Federal Aviation Administration

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Southwest (SW) Vol 4 of 4

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02 OCT 2025

Consult the Change Notice (CN) effective 04 SEP 2025 for revised Instrument Procedure Charts for this volume

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TERMINAL PROCEDURES TABLE OF CONTENTS

Inoperative Components or Visual Aids Table……A1

Explanation of Terms/Landing Minima Data……B1

General Information……C1

Abbreviations……D1

Legend—IAP Planview……E1

Legend—IAP Profile……F1

Legend—Standard Terminal Arrival Charts……G1

Legend—Departure Procedure Charts……G2

Legend—Airport Diagram/Sketch……HI

Legend—Approach Lighting Systems……I1

Supplemental Tables—Frequency Pairing……J1

Supplemental Tables—Rate of Climb Table……J2

Supplemental Tables—Rate of Descent Table……J3

Index of Terminal Charts and Minimums……K1

IFR Takeoff Minimums, Departure Procedures, and Diverse Vector Area (Radar Vectors)……L1

IFR Alternate Airport Minimums……M1

Radar Minimums……N1

Land and Hold-Short Operations (LAHSO)……O1

Hot Spots……P1

Standard Terminal Arrival Charts……Z1

Terminal Charts……Page 1

CORRECTIONS, COMMENTS AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS CONTACT:
FAA, Aeronautical Information Services
1305 East-West Highway
SSMC 4, Room 4531
Silver Spring, MD 20910-3281
Telephone: 1-800-638-8972
https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/

For inquiries regarding military charts, please contact **aerohelp@nga.mil**

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Frequently asked questions (FAQ) are answered on our website at: **https://www.faa.gov/go/ais**
See the FAQs prior to contact via toll free number or email.

Request for the creation or revisions to Airport Diagrams should be in accordance with FAA Order 7910.4

INOP COMPONENTS 25051

INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE
(For Civil Use Only)

Straight-in and Sidestep landing minimums published on instrument approach procedure charts are based on full operation of all components and visual aids (see exception below for ALSF 1 & 2) associated with the particular approach chart being used. Higher minimums are required with inoperative components or visual aids as indicated below. If more than one component is inoperative, each minimum is raised to the highest minimum required by any single component that is inoperative. ILS glideslope inoperative minimums are published on the instrument approach charts as localizer minimums. This table applies to approach categories A thru D and is to be used unless amended by notes on the approach chart. Such notes apply only to the particular approach category(ies) as stated. Category E inoperative notes will be specified when published on civil charts. The inoperative table does not apply to Circling minimums. See legend page for description of components indicated below.

Full Operation Exception: For ALSF 1 & 2 operated as SSALR, or when the sequenced flashing lights are inoperative, there is no effect on visibility for ILS lines of minima.

(1) ILS, PAR, LPV, GLS minima

Inoperative Component or Visual Aid	Increase Visibility
All ALS types (except ODALS)	¼ mile

(2) ILS, LPV, GLS with visibility minima of RVR 1800†/2000*/2200*

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	To RVR 4000† To RVR 4500*
TDZL or RCLS	To RVR 2400#
RVR	To ½ mile

#For ILS, LPV, GLS procedures with a 200 foot HAT, RVR 1800 authorized with use of FD or AP or HUD to DA. For ILS procedures with a 200 foot HAT with a restriction on autopilot usage, RVR 1800 authorized with use of FD or HUD to DA.

(3) All Approach Types and all lines of minima other than (1) & (2) above

Inoperative Component or Visual Aid	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	½ mile
MALSF, MALS, SSALF, SSALS, SALSF, SALS	¼ mile

(4) Sidestep minima (CAT C-D)

Inoperative Component or Visual Aid to Sidestep Runway	Increase Visibility
ALSF 1 & 2, MALSR, SSALR	½ mile

(5) All Approach Types, All lines of minima

Inoperative Component or Visual Aid	Increase Visibility
ODALS (CAT A-B)	¼ mile
ODALS (CAT C-D)	⅛ mile

INOP COMPONENTS 25051

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

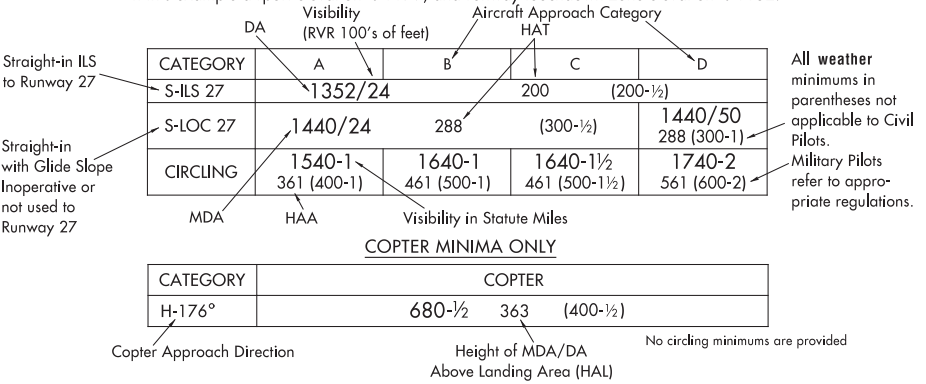
TERMS/LANDING MINIMA DATA 20142

IFR LANDING MINIMA

The United States Standard for Terminal Instrument Procedures (TERPS) is the approved criteria for formulating instrument approach procedures. Landing minima are established for six aircraft approach categories (ABCDE and COPTER).
In the absence of COPTER MINIMA, helicopters may use the CAT A minimums of other procedures.

LANDING MINIMA FORMAT

In this example airport elevation is 1179, and runway touchdown zone elevation is 1152.



COPTER MINIMA ONLY

NOTE: The W symbol indicates outages of the WAAS vertical guidance may occur daily at this location due to initial system limitations. WAAS NOTAMS for vertical outages are not provided for this approach. Use LNAV minima for flight planning at these locations, whether as a destination or alternate. For flight operations at these locations, when the WAAS avionics indicate that LNAV/VNAV or LPV service is available, then vertical guidance may be used to complete the approach using the displayed level of service. Should an outage occur during the procedure, reversion to LNAV minima may be required. As the WAAS coverage is expanded, the W will be removed.

RNAV minimums are dependent on navigation equipment capability, as stated in the applicable AFM, AFMS, or other FAA approved document. See AIM paragraph 5-4-5, AC 90-105 and AC 90-107 for detailed requirements for each line of minima.

COLD TEMPERATURE AIRPORTS

NOTE: A ❄-12°C symbol indicates a cold temperature altitude correction is required at this airport when reported temperature is at or below the published temperature. See the following Cold Temperature Error Table to make manual corrections. Advise ATC with altitude correction. Advising ATC with altitude corrections is not required in the final segment. See Aeronautical Information Manual (AIM), Chapter 7, for guidance and additional information. For a complete list, see the "Cold Temperature Airports" link under the Additional Resources heading at the bottom of the following page: http://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/dtpp/search/

COLD TEMPERATURE ERROR TABLE

HEIGHT ABOVE AIRPORT IN FEET

REPORTED TEMP °C	200	300	400	500	600	700	800	900	1000	1500	2000	3000	4000	5000
+10	10	10	10	10	20	20	20	20	20	30	40	60	80	90
0	20	20	30	30	40	40	50	50	60	90	120	170	230	280
-10	20	30	40	50	60	70	80	90	100	150	200	290	390	490
-20	30	50	60	70	90	100	120	130	140	210	280	420	570	710
-30	40	60	80	100	120	140	150	170	190	280	380	570	760	950
-40	50	80	100	120	150	170	190	220	240	360	480	720	970	1210
-50	60	90	120	150	180	210	240	270	300	450	590	890	1190	1500

AIRCRAFT APPROACH CATEGORIES

Aircraft approach category indicates a grouping of aircraft based on a speed of VREF, if specified, or if VREF not specified, 1.3 VSO at the maximum certificated landing weight. VREF, VSO, and the maximum certificated landing weight are those values as established for the aircraft by the certification authority of the country of registry. Helicopters are Category A aircraft. An aircraft shall fit in only one category. When necessary to operate the aircraft at an airspeed in excess of the maximum airspeed of its certified aircraft approach category, pilots should use the applicable higher category minima. For additional options and to ensure the aircraft remains within protected airspace, consult the AIM. See following category limits:

MANEUVERING TABLE

Approach Category	A	B	C	D	E
Speed (Knots)	0-90	91-120	121-140	141-165	Abv 165

TERMS/LANDING MINIMA DATA 20142

SW-4, 07 AUG 2025 to 02 OCT 2025

TERMS/LANDING MINIMA DATA 25163

CIRCLING APPROACH OBSTACLE PROTECTED AIRSPACE

The circling MDA provides vertical obstacle clearance during a circle-to-land maneuver. The circling MDA protected area extends from the threshold of each runway authorized for landing following a circle-to-land maneuver for a distance as shown in the table below. The resultant arcs are then connected tangentially to define the protected area.

CIRCLING APPROACH MANEUVERING AIRSPACE RADIUS

Circling MDA protected areas use the radius distance shown in the following table, expressed in nautical miles (NM), dependent on aircraft approach category, and the altitude of the circling MDA, which accounts for true airspeed increase with altitude.

Circling MDA in feet MSL	Approach Category and Circling Radius (NM)				
	CAT A	CAT B	CAT C	CAT D	CAT E
1000 or less	1.3	1.7	2.7	3.6	4.5
1001-3000	1.3	1.8	2.8	3.7	4.6
3001-5000	1.3	1.8	2.9	3.8	4.8
5001-7000	1.3	1.9	3.0	4.0	5.0
7001-9000	1.4	2.0	3.2	4.2	5.3
9001 and above	1.4	2.1	3.3	4.4	5.5

Users may ignore the presence of C symbols on charts which will be removed on a day-forward basis. All circling areas within this volume have been evaluated for the circling MDA protected area radius shown in the table above.

SW-4, 07 AUG 2025 to 02 OCT 2025

Comparable Values of RVR and Visibility

The following table shall be used for converting RVR to ground or flight visibility. For converting RVR values that fall between listed values, use the next higher RVR value; do not interpolate. For example, when converting 4800 RVR, use 5000 RVR with the resultant visibility of 1 mile.

RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)	RVR (feet)	Visibility (SM)
1600	¼	2400	½	3500	⅝	5500	1
1800	½	2600	½	4000	¾	6000	1¼
2000	½	3000	⅝	4500	⅞		
2200	½	3200	⅝	5000	1		

RADAR MINIMA

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT HAA	CEIL-VIS
PAR	10	2.5°/42/1000	ABCDE	**195**/16	100	(100-¼)				
	28	2.5°/48/1068	ABCDE	**187**/16	100	(100-¼)				
ASR	10		ABC	**560**/40	463	(500-¾)	DE	**560**/50	463	(500-1)
	28		AB	**600**/50	513	(600-1)	CDE	**600**/60	513	(600-1¼)
CIR	10		AB	**560**-1¼	463	(500-1¼)	CDE	**560**-1½	463	(500-1½)
	28		AB	**600**-1¼	503	(600-1¼)	CDE	**600**-1½	503	(600-1½)

Visibility (RVR 100's of feet)

Visibility in Statute Miles

All minimums in parentheses not applicable to Civil Pilots. Military Pilots refer to appropriate regulations.

Radar Minima:

1. Minima shown are the lowest permitted by established criteria. Pilots should consult applicable directives for their category of aircraft.
2. The circling MDA and weather minima to be used are those for the runway to which the final approach is flown- not the landing runway. In the above RADAR MINIMA example, a category C aircraft flying a radar approach to runway 10, circling to land on runway 28, must use an MDA of 560 feet with weather minima of 500-1½.

NOTE: Military RADAR MINIMA may be shown with communications symbology that indicates emergency frequency monitoring capability by the radar facility as follows: (E) VHF and UHF emergency frequencies monitored
(V) VHF emergency frequency (121.5) monitored
(U) UHF emergency frequency (243.0) monitored
Additionally, unmonitored frequencies which are available on request from the controlling agency may be annotated with an "x".

A Alternate Minimums not standard. Civil users refer to tabulation. USA/USN/USAF pilots refer to appropriate regulations.
A NA Alternate minimums are Not Authorized due to unmonitored facility or absence of weather reporting service.
T Airport is published in the Takeoff Minimums, (Obstacle) Departure Procedures, and Diverse Vector Area (Radar Vectors) tabulation.

TERMS/LANDING MINIMA DATA 25163

GENERAL INFORMATION

This publication is issued every 56 days and includes Standard Instrument Approach Procedures (SIAPS), Standard Instrument Departures (SIDs), Standard Terminal Arrivals (STARs), IFR Takeoff Minimums and (Obstacle) Departure Procedures (ODPs), IFR Alternate Minimums, and Radar Instrument Approach Minimums for use by civil and military aviation. The organization responsible for SIAPs, Radar Minimums, SIDs, STARs and graphic ODPs is identified in parentheses in the top margin of the procedure; e.g., (FAA), (FAA-O), (USA), (USAF), (USN). SIAPS with the (FAA) and (FAA-O) designation are regulated under 14 CFR, Part 97. SIAPs with the (FAA-O) designation have been developed by an authorized non-FAA service provider. See 14 CFR, Part 91.175 (a) and the AIM for further details. 14 CFR, Part 91.175 (g) and the Special Notices section of the Chart Supplement contain information on civil operations at military airports.

The FAA uses an internal numbering system on all charts in the TPP. This Approach and Landing (AL) number is located on the top center margin of the chart followed by the organization responsible for the procedure in parentheses, e.g., AL-18 (FAA), AL-11919 (FAA-O). Military procedures do not show AL number, but do show the appropriate authority for the procedure, e.g., (USAF).

CHART CURRENCY INFORMATION

Date of Latest Revision 09365

The Date of Latest Revision identifies the Julian date the chart was added or last revised for any reason. The first two digits indicate the year, the last three digits indicate the day of the year (001 to 365/6) in which the latest revision of any kind has been made to the chart.

The FAA Procedure Amendment Number represents the most current amendment of a given procedure. The Procedure Amendment Effective Date represents the AIRAC cycle date on which the procedure amendment was incorporated into the chart. Updates to the amendment number & effective date represent procedural/criteria revisions to the charted procedure, e.g., course, fix, altitude, minima, etc. On Departure Procedures and Standard Terminal Arrivals, procedural revisions to the current chart are indicated by an upnumber to the procedure title with the procedure amendment effective date following. On Radar Minima, Takeoff Minimums and (Obstacle) Departure Procedures and Diverse Vector Areas, the FAA Procedure Amendment Number, Procedure Effective Date, and the Julian Date of Last Revision will be shown on the same line, e.g., AMDT 2 10DEC15 (15344).

MISCELLANEOUS

★ Indicates a non-continuously operating facility, see Chart Supplement.

For Civil (FAA) instrument procedures, "RADAR REQUIRED" in the planview of the chart indicates that ATC radar must be available to assist the pilot when transitioning from the en route environment. "Radar required" in the pilot briefing portion of the chart indicates that ATC radar is required on portions of the procedure outside the final approach segment, including the missed approach. Some military procedures also have equipment requirements such as "Radar Required", but do not conform to the same charting application standards used by the FAA.

Distances are in nautical miles (except visibility in statute miles and Runway Visual Range in hundreds of feet). Runway dimensions are in feet. Elevations are in feet, Mean Sea Level (MSL). Ceilings are in feet above airport elevation. Radials/bearings/headings/courses are magnetic. Horizontal Datum: Unless otherwise noted on the chart, all coordinates are referenced to North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to World Geodetic System 1984 (WGS 84).

Terrain is scaled within the neat lines (planview boundaries) and does not accurately underlie not-to-scale distance depictions or symbols.

SW-4, 07 AUG 2025 to 02 OCT 2025

STANDARD TERMINAL ARRIVALS AND DEPARTURE PROCEDURES

The use of the associated codified STAR/DP and transition identifiers are requested of users when filing flight plans online. It must be noted that when filing a STAR/DP with a transition, the first three coded characters of the STAR and the last three coded characters of the DP are replaced by the transition code. Examples: ACTON SIX ARRIVAL, file (AQN.AQN6); ACTON SIX ARRIVAL, EDNAS TRANSITION, file (EDNAS.AQN6). FREEHOLD THREE DEPARTURE, file (FREH3.RBV), FREEHOLD THREE DEPARTURE, ELWOOD CITY TRANSITION, file (FREH3.EWC).

PROCEDURE PBN/EQUIPMENT REQUIREMENTS

Users will begin to see Performance-Based Navigation (PBN) Requirements and Equipment Requirements on Instrument Approach Procedures (IAPs), RNAV STARs and RNAV DPs prominently displayed in separate, standardized notes boxes. For procedures with PBN elements, the PBN box will contain the procedure's navigation specification(s); and, if required: specific sensors or infrastructure needed for the navigation solution; any additional or advanced functional requirements; the minimum Required Navigation Performance (RNP) value and any amplifying remarks. Items listed in this PBN box are REQUIRED for the procedure's PBN elements. The Equipment Requirements Box will list non-PBN requirements. On charts with both PBN elements and equipment requirements, the PBN requirements box will be listed first. The publication of these notes will continue incrementally until all charts have been amended to comply with the new standard.

IAP PBN/Equipment Requirements Notes Box

PBN Requirements Box →	From WINRZ, LIBGE: RNAV-1 GPS, RNAV-1GPS from MAP to YARKU.
Equipment Requirements Box →	DME required for LOC only.
Standard Procedure Notes Box →	(T) Circling to Rwy 25 NA at night. #For inop MALSR increase S-ILS 16R all cats visibility to 2½ SM.

RNAV STAR and DP PBN/Equipment Requirements Notes Box

PBN Requirements Box →	RNAV 1 - DME/DME/IRU or GPS
Equipment Requirements Box →	RADAR required

PILOT CONTROLLED AIRPORT LIGHTING SYSTEMS

Reference the Chart Supplement for detailed information on pilot controlled lighting (PCL) systems.

Available FAA standard approach lighting systems are charted as a negative symbol to indicate pilot contolled lighting, e.g., (A1), (V)

Available airport lighting systems that are charted as notes, e.g. REIL, MIRL, are shown with a negative "(L)" symbol beside the name to indicate pilot controlled lighting.

To activate lights, use frequency indicated in the communications section of the chart with a (L)

KEY MIKE	FUNCTION
7 times within 5 seconds	Highest intensity available
5 times within 5 seconds	Medium or lower intensity (Lower REIL or REIL-off)
3 times within 5 seconds	Lowest intensity available (Lower REIL or REIL-off)

SW-4, 07 AUG 2025 to 02 OCT 2025

ABBREVIATIONS 25107

AAF	Army Air Field
AAUP	Attention All Users Page
ADF	Automatic Direction Finder
ADIZ	Air Defense Identification Zone
AFAUX	Air Force Auxiliary
AFB	Air Force Base
AFRC	Armed Forces Reserve Center/Air Force Reserve Command
AGL	Above Ground Level
AFHP	Air Force Heliport
AFIS	Automatic Flight Information Service
AHP	Army Heliport
ALF	Auxiliary Landing Field
ALS	Approach Light System
ALSF	Approach Light System with Sequenced Flashing Lights
ANGB	Air National Guard Base
ANGS	Air National Guard Station
Ant	Antenna
AOB	At or Below
AP	Autopilot System
APCH	Approach
APP CON	Approach Control
AR	Authorization Required
ARB	Air Reserve Base
ARPT	Airport
ARR	Arrival
AS	Air Station
ASOS	Automated Surface Observing System
ASR	Airport Surveillance RADAR
ASSC	Airport Surface Surveillance Systems
ATC	Air Traffic Control
ATCT	Airport Traffic Control Tower
ATIS	Automatic Terminal Information Service
AUNICOM	Automated UNICOM
AWOS	Automated Weather Observing System
Baro-VNAV	Barometric Vertical Navigation
BC	Back Course
brg	Bearing
CAPT	Captain
CAT	Category
CCW	Counterclockwise
CDI	Course Deviation Indicator
CGAS	Coast Guard Air Station
Chan	Channel
CIR	Circling
CL	Centerline Lighting System
CLNC DEL	Clearance Delivery
CNF	Computer Navigation Fix
CPDLC	Controller Pilot Data Link Communications
CTAF	Common Traffic Advisory Frequency
CW	Clockwise
D-ATIS	Digital-Automatic Terminal Information Service
DA	Decision Altitude
DEP	Departure
DEP CON	Departure Control
DER	Departure End of Runway
DH	Decision Height
DME	Distance Measuring Equipment
DP	Departure Procedure
DTHR	Displaced Runway Threshold
DVA	Diverse Vector Area
ELEV	Elevation
EMAS	Engineered Material Arresting System
EXEC	Executive
FAF	Final Approach Fix
FD	Flight Director System
FL	Flight Level
FLD	Field
FM	Fan Marker
FMS	Flight Management System
GBAS	Ground Based Augmentation System
GCA	Ground Control Approach
GCO	Ground Communication Outlet
GLS	Ground Based Augmentation System Landing System
GP	Glidepath
GPS	Global Positioning System
GS	Glide Slope
HAA	Height Above Airport
HAL	Height Above Landing
HAT	Height Above Touchdown
HATh	Height Above Threshold
HCH	Heliport Crossing Height
hdg	Heading
HIRL	High Intensity Runway Lights
HUD	Head-up Display
IAF	Initial Approach Fix
IAP	Instrument Approach Procedure
ICAO	International Civil Aviation Organization
IF	Intermediate Fix
IFR	Instrument Flight Rules
ILS	Instrument Landing System
IM	Inner Marker
INC	Incorporated
Inop	Inoperative
INT	Intersection
INTCNTL	Intercontinental
INTL	International
JNGB	Joint National Guard Base
JRB	Joint Reserve Base
K	Knots
KIAS	Knots Indicated Airspeed
LAAS	Local Area Augmentation System

25107

SW-4, 07 AUG 2025 to 02 OCT 2025

ABBREVIATIONS 25107

LDA	Localizer Type Directional Aid
Ldg	Landing
LIRL	Low Intensity Runway Lights
LNAV	Lateral Navigation
LOA	Letter of Agreement/ Authorization
LOC	Localizer
LOM	Locator Outer Marker
LP	Localizer Performance
LPV	Localizer Performance with Vertical Guidance
LR	Lead Radial
LRRS	Long Range RADAR Station
MAA	Maximum Authorized Altitude
MALS	Medium Intensity Approach Lighting System
MALSF	Medium Approach Lighting System with Sequenced Flashers
MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights
MAP	Missed Approach Point
MCAF	Marine Corps Air Facility
MCALF	Marine Corps Auxiliary Landing Filed
MCAS	Marine Corps Air Station
MCB	Marine Corps Base
MCOLF	Marine Corps Outlying Field
MDA	Minimum Descent Altitude
MEA	Minimum Enroute Altitude
MEML	Memorial
METRO	Metropolitan
MIRL	Medium Intensity Runway Lights
MM	Middle Marker
MOCA	Minimum Obstruction Clearance Altitude
MRA	Minimum Reception Altitude
MSL	Mean Sea Level
MSPEC	Management Specification
MUNI	Municipal
N/A	Not Applicable
NA	Not Authorized
NAAS	Naval Auxiliary Air Station
NAF	Naval Air Facility
NALF	Naval Auxiliary Landing Field
NAS	Naval Air Station
NDB	Nondirectional Radio Beacon
NM	Nautical Mile
NOLF	Naval Outlying Field
NoPT	No Procedure Turn
NOTAM	Notice to Airmen
NS	Naval Station
NTL	National
ODALS	Omnidirectional Approach Lighting System
ODP	Obstacle Departure Procedure
OM	Outer Marker
OPSPEC	Operations Specification
PAR	Precision Approach Radar
PDC	Pre-Departure Clearance
PRM	Precision Runway Monitor
Pvt	Private
R	Radial
RA	Radio Altimeter setting height
RAIL	Runway Alignment Indicator Lights
RCLS	Runway Centerline Light System
REIL	Runway End Identifier Lights
RF	Radius to Fix
RGNL	Regional
RLLS	Runway Lead-in Light System
RNAV	Area Navigation
RNP	Required Navigation Performance
RPI	Runway Point of Interception)
RVR	Runway Visual Range
RWY	Runway
S	Straight-in
SALS	Simplified Short Approach Light System
SALSF	Short Approach Lighting System with Sequenced Flashing Lights
SDF	Simplified Directional Facility
SFB	Space Force Base
SID	Standard Instrument Departure
SM	Statute Mile
SR-SS	Sunrise-Sunset
SSALF	Short Approach Lighting System with Sequenced Flashing Lights
SSALR	Simplified Short Approach Light System with Runway Alignment Indicator Lights
SSALS	Simplified Short Approach Lighting System
ST	Saint
STE	Sainte
STAR	Standard Terminal Arrival
TAA	Terminal Arrival Area
TACAN	Tactical Air Navigation
TCH	Threshold Crossing Height
TDZ	Touchdown Zone
TDZE	Touchdown Zone Elevation
TDZ/CL	Touchdown Zone and Runway Centerline Lighting
TDZL	Touchdown Zone Lights
THR	Threshold
TODA	Takeoff Distance Available
TORA	Takeoff Run Available
tr	Track
TRML	Terminal
TWR	Tower
UNICOM	Universal Communications Station
USA	United States Army
USAF	United States Air Force

25107

SW-4, 07 AUG 2025 to 02 OCT 2025

ABBREVIATIONS 25107

USCG……	United States Coast Guard
USMC……	United States Marine Corps
USN……	United States Navy
USSF……..	United States Space Force
VASI……	Visual Approach Slope Indicator
VCOA……	Visual Climb Over Airport
VDA……	Vertical Descent Angle
VDP……	Visual Descent Point
VFR……...	Visual Flight Rules
VGSI……..	Visual Glide Slope Indicator
VNAV…….	Vertical Navigation
VOR……...	Very High Frequency Omni-Directional Range
VORTAC……...	Very High Frequency Omni-Directional Range/Tactical Air Navigation
WAAS……	Wide Area Augmentation System
WP/WPT……...	Waypoint

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

25107

LEGEND 23334

INSTRUMENT APPROACH PROCEDURES (CHARTS)

PLANVIEW SYMBOLS

ROUTES

Procedure Track

Feeder Route

Missed Approach

Visual Flight Path

165°
345°
Procedure Turn
(Type degree and point of turn optional)

Minimum Route Altitude → 3100 NoPT to LOM
045°
Mileage → (14.2)

HOLDING PATTERNS

Hold-in-lieu of Procedure Turn

HOLD 10000 / 8000
090° (IAS) 270°
4 NM

HOLD 10000 / 8000
090° 1 min 270°

Missed Approach
090° 270°

Arrival
HOLD 8000
090° 270°

Holding pattern with maximum restricted airspeed:
(175K) applies to all altitudes.
(210K) applies to altitudes above 6000′ to and including 14000′.
Arrival Holding Pattern altitude restrictions will be indicated when they deviate from the adjacent leg.

Timing or distance limits for Hold-in-lieu of Procedure Turn Holding Patterns will be shown.
DME fixes may be shown.

FIXES/ATC REPORTING REQUIREMENTS

Reporting Point

Waypoint

MAP WP (Flyby)

MAP WP (Flyover)

GLGHR INT — Intersection

MYLES
I-LVF 14.9 — (Distance From Facility)

DME

Flyover Point

x (CFTSP) — Computer Navigation Fix (CNF)-No ATC Function ("x" omitted when it is a MAP)

R-198 → Radial line and value

LR-198 → Lead Radial

LB-198 → Lead Bearing

ALTITUDES

5500 Mandatory Altitude
2500 Minimum Altitude
4300 Maximum Altitude
3000 Recommended Altitude
5000 Mandatory Block
3000 Altitude

INDICATED AIRSPEED

175K	120K	250K	180K
Mandatory Airspeed	Minimum Airspeed	Maximum Airspeed	Recommended Airspeed

RADIO AIDS TO NAVIGATION

110.1 Underline indicates No Voice transmitted on this frequency

VOR
VORTAC
TACAN
VOR/DME
DME
NDB
NDB/DME
LOM (Compass locator at Outer Marker)
Marker Beacon

Marker beacons that are not specifically part of the procedure.

Localizer Front Course (LOC/LDA)
Right side shading- Front course

Localizer Back Course
Left side shading- Back Course

SDF Course

LOC/LDA/SDF Transmitter
LOC/DME
(shown when installation is offset from its normal postion off the end of the runway.)

Primary NAVAID
LIMA
114.5 LIM
Chan 92

Secondary NAVAID
LOM
AKRON
362 AK

TACAN or DME NAVAID
SCOTT
Chan 59
SKE
(112.2)
VHF Paired Frequency

LEGEND 23334

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

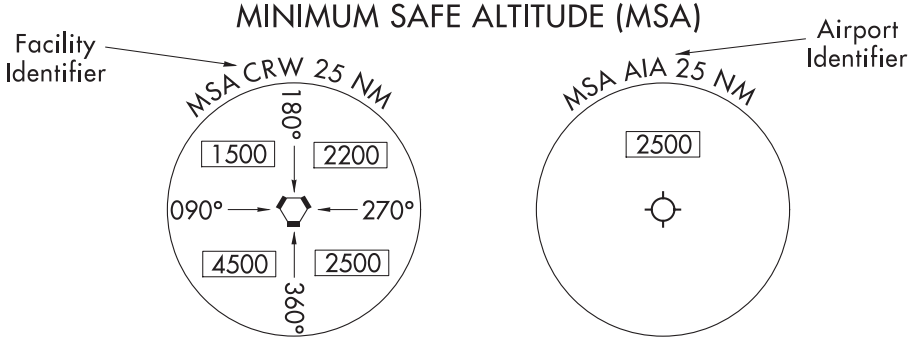
LEGEND 23110

INSTRUMENT APPROACH PROCEDURES (CHARTS)

SW-4, 07 AUG 2025 to 02 OCT 2025

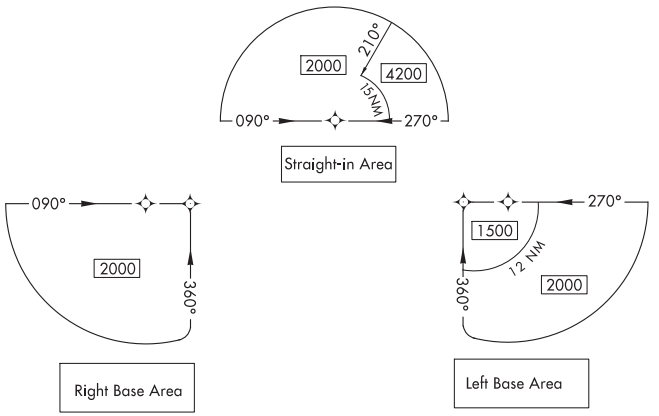
PLANVIEW SYMBOLS

MINIMUM SAFE ALTITUDE (MSA)



(arrows on distance circle identify sectors)

TERMINAL ARRIVAL AREA (TAA)



MISCELLANEOUS

VOR Changeover Point

RWY 15 S12° 00.52′ W77° 06.91′ End of Rwy Coordinates (DoD only)

Distance not to scale

International Boundary

Air Defense Identification Zone

SPECIAL USE AIRSPACE

R-352

R-Restricted W-Warning
P-Prohibited A-Alert
MOA-Military Operations Area

AIRPORTS

Primary and Secondary (named in planview)

Civil

Seaplane Base

Heliport

Joint (Civil-Military)

OBSTACLES

- Spot Elevation
- Obstacle
- Highest Obstacle
- Highest Spot Elevation
- Group of Obstacles
- ± Doubtful accuracy

LEGEND 23110

LEGEND 24361

INSTRUMENT APPROACH PROCEDURES (CHARTS)

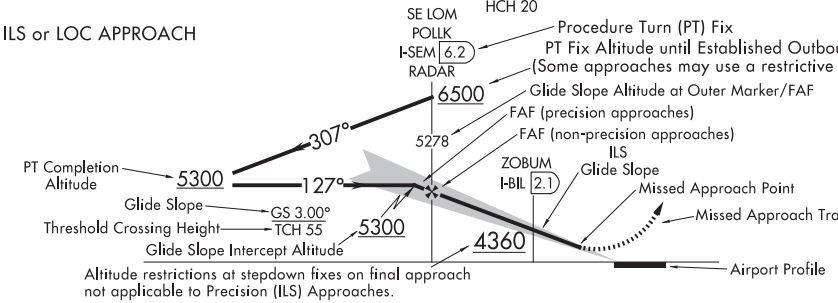
PROFILE VIEW

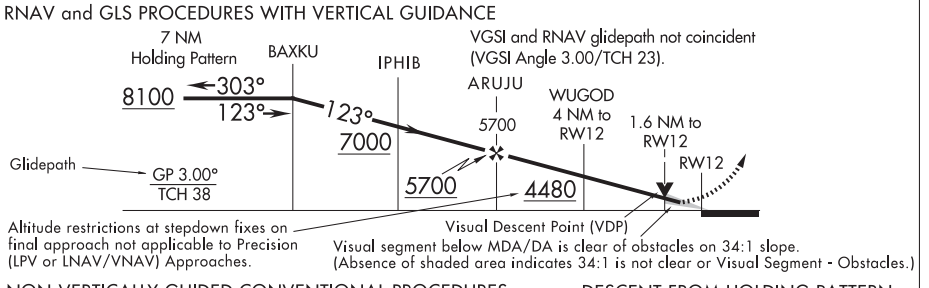
Three different methods are used to depict either electronic or vertical guidance: "GS", "GP", or "VDA".

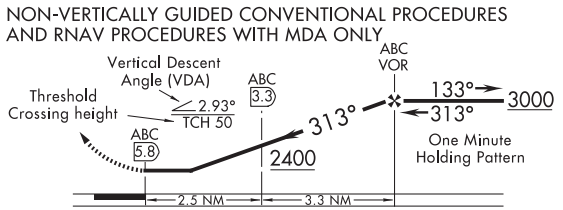
1. "GS" indicates that an Instrument Landing System (ILS) electronic glide slope (a ground antenna) provides vertical guidance. The profile section of ILS procedures depict a GS angle and TCH in the following format: GS 3.00°. TCH 55

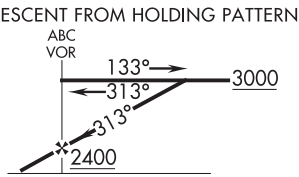
2. "GP" on GLS and RNAV procedures indicates that either electronic vertical guidance (via Wide Area Augmentation System - WAAS or Ground Based Augmentation System - GBAS) or barometric vertical guidance is provided. GLS and RNAV procedures with a published decision altitude (DA/H) depict a GP angle and TCH in the following format: GP 3.00°. TCH 50

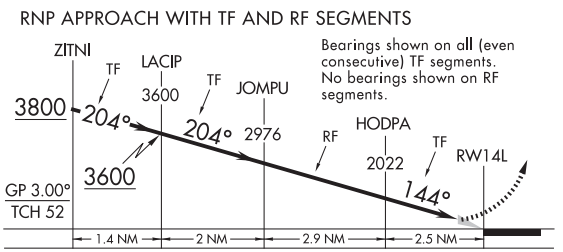
3. An advisory vertical descent angle (VDA) is provided on non-vertically guided conventional procedures and RNAV procedures with only a minimum descent altitude (MDA) to assist in preventing controlled flight into terrain. On Civil (FAA) procedures, this information is placed above or below the procedure track following the fix it is based on. Absence of a VDA or a note that the VDA is not authorized indicates that the prescribed obstacle clearance surface is not clear and the VDA must not be used below MDA. VDA is depicted in the following format: 3.00°. TCH 55
On Copter procedures this is depicted in the following format: 7.30°. HCH 20











ALTITUDES

5500	Mandatory Altitude	3000	Recommended Altitude
2500	Minimum Altitude	5000 / 3000	Mandatory Block Altitude
4300	Maximum Altitude		

PROFILE SYMBOLS

2400 — Glide Slope/Glidepath Intercept Altitude and final approach fix for vertically guided approach procedures.

▼ Visual Descent Point (VDP)

Visual Flight Path

Note: Facilities and waypoints are depicted as a solid vertical line while fixes and intersections are depicted as a dashed vertical line.

LEGEND 24361

SW-4, 07 AUG 2025 to 02 OCT 2025

LEGEND 23334 STANDARD TERMINAL ARRIVAL (STAR) CHARTS

RADIO AIDS TO NAVIGATION

Compulsory:

VOR · VORTAC · DME · NDB/DME · VOR/DME · TACAN · NDB

Non-Compulsory:

VOR · VORTAC · DME · NDB/DME · VOR/DME · TACAN · NDB

LOM (Compass locator at outer marker)

Marker Beacon

Localizer Front Course

BACK COURSE

Localizer Back Course (Shading on left)

(T) indicates frequency protection range

ORLANDO
112.25 (T) ORL
Chan 59(Y)

Underline indicates no voice transmitted on this frequency

(Y) TACAN must be placed in "Y" mode to receive distance information

TACAN or DME NAVAID Box

SCOTT
Chan 59
SKE
(112.2)

VHF Paired Frequency

FIXES/ATC REPORTING REQUIREMENTS

Unnamed DME fix

▲ Reporting Point (Compulsory)

△ Reporting Point (Non-Compulsory)

Obvious DME (DME mileage matches route mileage)

75 DME Mileage (when not obvious)

Waypoint (Compulsory)

Waypoint (Non-Compulsory)

Flyover Point

x
(CFTSP) Computer Navigation Fix (CNF) - No ATC Function

AIRPORTS

Civil · Military · Joint (Civil-Military)

Airports not served by the procedure shown in screened color

Civil · Military · Joint (Civil-Military)

ROUTES

MAA FL200 Maximum Authorized Altitude

4500 MEA-Minimum Enroute Altitude

*3500 MOCA-Minimum Obstruction Clearance Altitude

270° Arrival Route

(65) Mileage between Radio Aids, Reporting Points, and Route Breaks

Transition Route

R-275 Radial line and value

Lost Communications Track

V12 J80 Airway/Jet Route Identification

(IAS) Holding Pattern

Lost Comm Holding Pattern

Holding pattern with maximum restricted airspeed
(175K) applies to all altitudes
(210K) applies to altitudes above 6000' to and including 14000'

SPECIAL USE AIRSPACE

R-352

R-Restricted W-Warning
P-Prohibited A-Alert
MOA-Military Operations Area

ALTITUDES

5500 Mandatory Altitude (Cross at)

2300 Minimum Altitude (Cross at or above)

4800 Maximum Altitude (Cross at or below)

15000
12000
Block Altitude

Altitude change at other than Radio Aids to Navigation

INDICATED AIRSPEED

175K Mandatory Airspeed

120K Minimum Airspeed

250K Maximum Airspeed

MISCELLANEOUS

Changeover Point

Air Defense Identification Zone

N
Indicates True North is not aligned to the top of the page

Ldg KLAS and KHND
Ldg Rwys 16L/C/R
Terminus identifier

SW-4, 07 AUG 2025 to 02 OCT 2025

LEGEND 23334

LEGEND 23334 DEPARTURE PROCEDURE (DP) CHARTS

RADIO AIDS TO NAVIGATION

Compulsory:

VOR VORTAC DME NDB/DME

VOR/DME TACAN NDB

Non-Compulsory:

VOR VORTAC DME NDB/DME

VOR/DME TACAN NDB

LOC LOC/DME (shown when installation is offset from its normal position off the end of the runway.)

LOM (Compass locator at outer marker)

Marker Beacon

Localizer Front Course

BACK COURSE

Localizer Back Course (Shading on left)

(T) indicates frequency protection range

ORLANDO
112.25 (T) ORL
Chan 59(Y)

Underline indicates no voice transmitted on this frequency

(Y) TACAN must be placed in "Y" mode to receive distance information

TACAN or DME NAVAID Box

SCOTT
Chan 59
SKE
(112.2)

VHF Paired Frequency

FIXES/ATC REPORTING REQUIREMENTS

Unnamed DME fix

▲ Reporting Point (Compulsory)

△ Reporting Point (Non-Compulsory)

Obvious DME (DME mileage matches route mileage)

75 DME Mileage (when not obvious)

Waypoint (Compulsory)

Waypoint (Non-Compulsory)

Flyover Point

x (CFTSP) Computer Navigation Fix (CNF) - No ATC Function

MISCELLANEOUS

Changeover Point

Distance not to scale

International Boundary

Sector Boundary

Air Defense Identification Zone

Takeoff Minimums and (Obstacle) Departure Procedures entry published.

ROUTES

4500 MEA-Minimum Enroute Altitude

*3500 MOCA-Minimum Obstruction Clearance Altitude

270° Departure Route

(65) Mileage between Radio Aids, Reporting Points, and Route Breaks

Transition Route

R-275 Radial line and value

Lost Communications Track

Visual Flight Path

V12 J80 Airway/Jet Route Identification

(IAS) Holding Pattern

Lost Comm Holding Pattern

Holding pattern with maximum restricted airspeed (175K) applies to all altitudes (210K) applies to altitudes above 6000' to and including 14000'

SPECIAL USE AIRSPACE

R-352

R-Restricted W-Warning
P-Prohibited A-Alert
MOA-Military Operations Area

ALTITUDES

5500 Mandatory Altitude (Cross at)

2300 Minimum Altitude (Cross at or above)

4800 Maximum Altitude (Cross at or below)

15000 / 12000 Block Altitude

TOP ALTITUDE: 5000 Top altitude restriction

INDICATED AIRSPEED

175K Mandatory Airspeed

120K Minimum Airspeed

250K Maximum Airspeed

AIRPORTS

Heliport

Civil Military Joint (Civil-Military)

MINIMUM SAFE ALTITUDE (MSA)

Facility Identifier

MSA CRW 25 NM
180°
4500 4100
090° 270°
5300 4700
360°

Airport Identifier

MSA AIA 25 NM
2500

(arrows on distance circle identify sectors)

LEGEND 23334

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM/AIRPORT SKETCH

Runways

Hard Surface | Other Than Hard Surface | Taxiways, Parking Areas | Stopways, Overruns, Blast Pads | Metal Surface

Closed Runway | Closed Surface | Non-Movement | Under Construction | Water Runway

ARRESTING GEAR: Specific arresting gear systems; e.g., BAK12, MA-1A etc., shown on airport diagrams, not applicable to Civil Pilots. Military Pilots refer to appropriate DOD publications.

uni-directional | bi-directional | Jet Barrier

ARRESTING SYSTEM (EMAS)

REFERENCE FEATURES

Displaced Threshold
Hot Spot
Runway Holding Position Markings
Buildings
Self-Serve Fuel ##
Tanks
Obstructions
Airport Beacon #
Runway Radar Reflectors
Bridges
Control Tower # TWR

	Unlit	Lit
Wind Cone		
Landing Tee		
Tetrahedron		

When Control Tower and Rotating Beacon are co-located, Beacon symbol will be used and further identified as TWR.

See appropriate Chart Supplement for information.

Runway Weight Bearing Capacity or Pavement Classification Number (PCN)/Pavement Classification Rating (PCR) is shown as a codified expression. Refer to the appropriate Supplement/Directory for applicable codes e.g., RWY 14-32 PCR 560 R/B/W/T; S-75, D-185, 2D-325, 2D/2D2-1120

Helicopter Alighting Areas

Negative Symbols used to identify Copter Procedures

landing point

NOTE:
Landmark features depicted on Copter Approach insets and sketches are provided for visual reference only.

Runway TDZ elevation.....TDZE 123

Runway Slope..... ←0.3% Down.....0.8% UP→
(shown when rounded runway slope is ≥ 0.3%)

NOTE:
Runway Slope measured to midpoint on runways 8000 feet or longer.

U.S. Navy Optical Landing System (OLS) "OLS" location is shown because of its height of approximately 7 feet and proximity to edge of runway may create an obstruction for some types of aircraft.

Approach light symbols are shown in the Flight Information Handbook.

Airport diagram scales are variable.

True/magnetic North orientation may vary from diagram to diagram

Coordinate values are shown in 1 or ½ minute increments. They are further broken down into 6 second ticks, within each 1 minute increments.

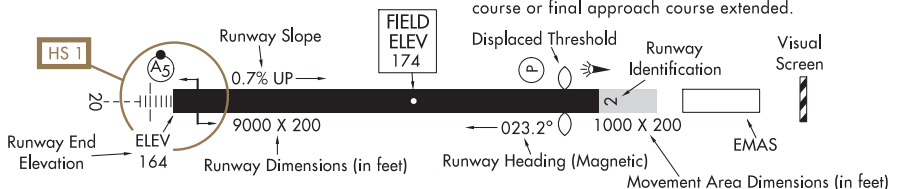
Positional accuracy within ± 600 feet unless otherwise noted on the chart.

Runway length depicted is the physical length of the runway (end-to-end, including displaced thresholds if any) but excluding areas designated as stopways.

A D symbol is shown to indicate runway declared distance information available, see appropriate Chart Supplement for distance information.

NOTE:
All new and revised airport diagrams are shown referenced to the World Geodetic System (WGS) (noted on appropriate diagram), and may not be compatible with local coordinates published in DoD FLIP. (Foreign Only)

The airport sketch box includes the final approach course or final approach course extended.



SCOPE

Airport diagrams are specifically designed to assist in the movement of ground traffic at locations with complex runway/taxiway configurations. Airport diagrams are not intended to be used for approach and landing or departure operations. For revisions to Airport Diagrams: Consult FAA Order 7910.4.

LEGEND 22195

INSTRUMENT APPROACH PROCEDURES (CHARTS)
APPROACH LIGHTING SYSTEM - UNITED STATES

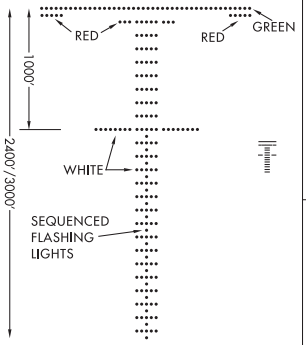
Approach lighting and visual glide slope systems are indicated on the airport sketch by an identifier, e.g., (A2), (V), etc.

A dot " ● " portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., (A1). Negative symbology, e.g., (A1), (V) indicates Pilot Controlled Lighting (PCL).

CATEGORY I APPROACH LIGHTING SYSTEM

(A1)

ALSF-1

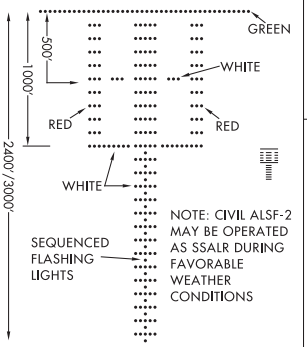


(High Intensity)
LENGTH 2400/3000 FEET

CATEGORY II APPROACH LIGHTING SYSTEM

(A)

ALSF-2

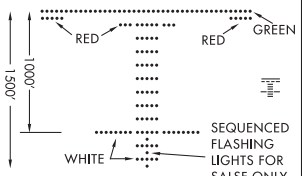


(High Intensity)
LENGTH 2400/3000 FEET

SHORT APPROACH LIGHTING SYSTEM

(A2) (A2)

SALS/SALSF



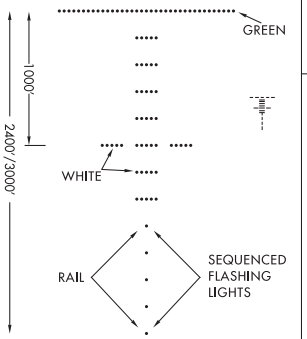
(High Intensity)
LENGTH 1500 FEET

SIMPLIFIED SHORT APPROACH LIGHTING SYSTEM

with Runway Alignment Indicator Lights

(A3)

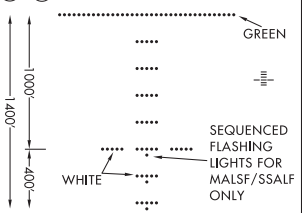
SSALR



(High Intensity)
LENGTH 2400/3000 FEET

MEDIUM INTENSITY (**MALS** and **MALSF**) OR SIMPLIFIED SHORT (**SSALS** and **SSALF**) APPROACH LIGHTING SYSTEMS

(A4) (A4)



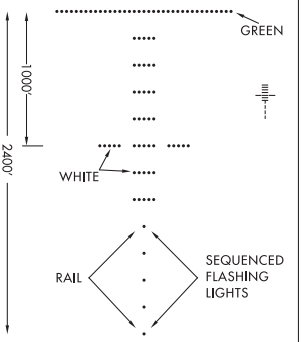
LENGTH 1400 FEET

MEDIUM INTENSITY APPROACH LIGHTING SYSTEM

with Runway Alignment Indicator Lights

(A5)

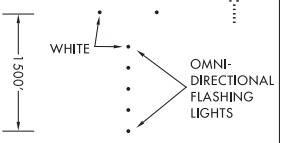
MALSR



LENGTH 2400 FEET

OMNIDIRECTIONAL APPROACH LIGHTING SYSTEM

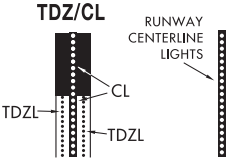
ODALS



LENGTH 1500 FEET

RUNWAY TOUCHDOWN ZONE AND CENTERLINE LIGHTING SYSTEMS

TDZ/CL



AVAILABILITY of TDZ/CL will be shown by NOTE in SKETCH e.g. "TDZ/CL Rwy 15"

LEGEND 22195

SW-4, 07 AUG 2025 to 02 OCT 2025

LEGEND 22195

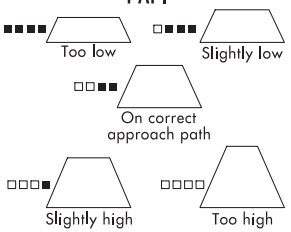
INSTRUMENT APPROACH PROCEDURES (CHARTS)
APPROACH LIGHTING SYSTEM - UNITED STATES

Approach lighting and visual glide slope systems are indicated on the airport sketch by an identifier, (A2), (V), etc.

A dot " ● " portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., (A1). Negative symbology, e.g., (A1), (V) indicates Pilot Controlled Lighting (PCL).

(P) PRECISION APPROACH PATH INDICATOR

PAPI



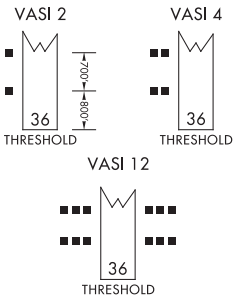
Legend: □ White ■ Red

(V) VISUAL APPROACH SLOPE INDICATOR

VASI

VISUAL APPROACH SLOPE INDICATOR WITH STANDARD THRESHOLD CLEARANCE PROVIDED.

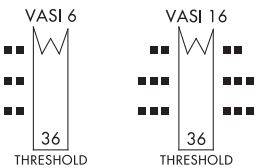
ALL LIGHTS WHITE — — TOO HIGH
FAR LIGHTS RED, NEAR LIGHTS WHITE — ON GLIDE SLOPE
ALL LIGHTS RED — — TOO LOW



(V3) VISUAL APPROACH SLOPE INDICATOR

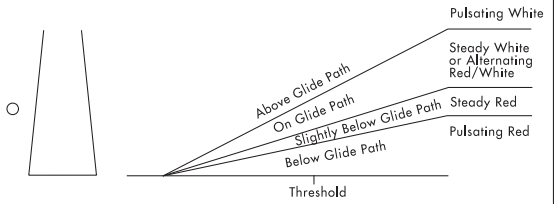
VASI

3-BAR, 6 OR 16 BOX, VISUAL APPROACH SLOPE INDICATOR THAT PROVIDES 2 GLIDE ANGLES AND 2 THRESHOLD CROSSING HEIGHTS.



(V2) PULSATING VISUAL APPROACH SLOPE INDICATOR

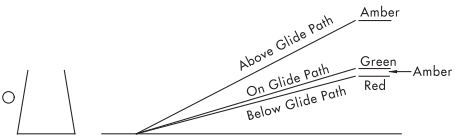
PVASI



CAUTION: When viewing the pulsating visual approach slope indicators in the pulsating white or pulsating red sectors, it is possible to mistake this lighting aid for another aircraft or a ground vehicle. Pilots should exercise caution when using this type of system.

(V4) TRI-COLOR VISUAL APPROACH SLOPE INDICATOR

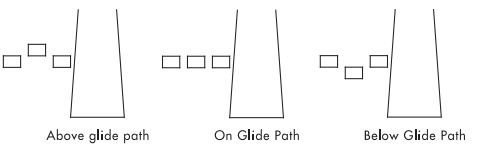
TRCV



CAUTION: When the aircraft descends from green to red, the pilot may see a dark amber color during the transition from green to red.

(V5) ALIGNMENT OF ELEMENTS SYSTEMS

APAP



Painted panels which may be lighted at night. To use the system the pilot positions the aircraft so the elements are in alignment.

LEGEND 22195

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SUPPLEMENTAL TABLES 25107

FREQUENCY PAIRING TABLE

TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY	TACAN CHANNEL	VHF FREQUENCY
17Y	108.05	40X	110.30	88Y	114.15
18X	108.10	40Y	110.35	89Y	114.25
18Y	108.15	41Y	110.45	90Y	114.35
19Y	108.25	42X	110.50	91Y	114.45
20X	108.30	42Y	110.55	92Y	114.55
20Y	108.35	43Y	110.65	93Y	114.65
21Y	108.45	44X	110.70	94Y	114.75
22X	108.50	44Y	110.75	95Y	114.85
22Y	108.55	45Y	110.85	96Y	114.95
23Y	108.65	46X	110.90	97Y	115.05
24X	108.70	46Y	110.95	98Y	115.15
24Y	108.75	47Y	111.05	99Y	115.25
25Y	108.85	48X	111.10	100Y	115.35
26X	108.90	48Y	111.15	101Y	115.45
26Y	108.95	49Y	111.25	102Y	115.55
27Y	109.05	50X	111.30	103Y	115.65
28X	109.10	50Y	111.35	104Y	115.75
28Y	109.15	51Y	111.45	105Y	115.85
29Y	109.25	52X	111.50	106Y	115.95
30X	109.30	52Y	111.55	107Y	116.05
30Y	109.35	53Y	111.65	108Y	116.15
31Y	109.45	54X	111.70	109Y	116.25
32X	109.50	54Y	111.75	110Y	116.35
32Y	109.55	55Y	111.85	111Y	116.45
33Y	109.65	56X	111.90	112Y	116.55
34X	109.70	56Y	111.95	113Y	116.65
34Y	109.75	80Y	113.35	114Y	116.75
35Y	109.85	81Y	113.45	115Y	116.85
36X	109.90	82Y	113.55	116Y	116.95
36Y	109.95	83Y	113.65	117Y	117.05
37Y	110.05	84Y	113.75	118Y	117.15
38X	110.10	85Y	113.85	119Y	117.25
38Y	110.15	86Y	113.95		
39Y	110.25	87Y	114.05		

See the Chart Supplement for a complete listing.

SUPPLEMENTAL TABLES 25107

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SUPPLEMENTAL TABLES 25107

INSTRUMENT TAKEOFF AND APPROACH PROCEDURE CHARTS
RATE OF CLIMB TABLE
(ft per min)

The rate of climb table is provided for use in planning and executing climbs with a known or approximate ground speed. Rates of climb in ft per min are monitored with a vertical speed indicator (VSI). The use of a climb rate should not be used if it will exceed the aircraft's operational limitations.

ft/NM	%	GROUND SPEED (knots)										
		60	90	120	150	180	210	240	270	300	330	360
152	2.50	152	228	304	380	456	532	608	684	760	836	912
200	3.29	200	300	400	500	600	700	800	900	1000	1100	1200
210	3.46	210	315	420	525	630	735	840	945	1050	1155	1260
220	3.62	220	330	440	550	660	770	880	990	1100	1210	1320
230	3.79	230	345	460	575	690	805	920	1035	1150	1265	1380
240	3.95	240	360	480	600	720	840	960	1080	1200	1320	1440
250	4.11	250	375	500	625	750	875	1000	1125	1250	1375	1500
260	4.28	260	390	520	650	780	910	1040	1170	1300	1430	1560
270	4.44	270	405	540	675	810	945	1080	1215	1350	1485	1620
280	4.61	280	420	560	700	840	980	1120	1260	1400	1540	1680
290	4.77	290	435	580	725	870	1015	1160	1305	1450	1595	1740
300	4.94	300	450	600	750	900	1050	1200	1350	1500	1650	1800
310	5.10	310	465	620	775	930	1085	1240	1395	1550	1705	1860
320	5.27	320	480	640	800	960	1120	1280	1440	1600	1760	1920
330	5.43	330	495	660	825	990	1155	1320	1485	1650	1815	1980
340	5.60	340	510	680	850	1020	1190	1360	1530	1700	1870	2040
350	5.76	350	525	700	875	1050	1225	1400	1575	1750	1925	2100
360	5.92	360	540	720	900	1080	1260	1440	1620	1800	1980	2160
370	6.09	370	555	740	925	1110	1295	1480	1665	1850	2035	2220
380	6.25	380	570	760	950	1140	1330	1520	1710	1900	2090	2280
390	6.42	390	585	780	975	1170	1365	1560	1755	1950	2145	2340
400	6.58	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400
450	7.41	450	675	900	1125	1350	1575	1800	2025	2250	2475	2700
500	8.23	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
550	9.05	550	825	1100	1375	1650	1925	2200	2475	2750	3025	3300

SUPPLEMENTAL TABLES 25107

SW-4, 07 AUG 2025 to 02 OCT 2025

SUPPLEMENTAL TABLES 25107

INSTRUMENT TAKEOFF AND APPROACH PROCEDURE CHARTS
RATE OF DESCENT TABLE

The rate of descent table is provided for use in planning and executingdescents with a known or approximate ground speed. The descent chart may also be used to calculate a constant rate of descent in the final segment on a non-precision approach. This rate of descent is advisory only. Rates of descent in ft per min are monitored with a vertical speed indicator (VSI). The use of a descent rate should not be used if it will exceed the aircraft's operational limitations.

ANGLE	ft/NM	GROUND SPEED (knots)										
		60	90	120	150	180	210	240	270	300	330	360
2.0	212	212	318	424	530	637	743	849	955	1061	1167	1273
2.5	265	265	398	531	663	796	929	1061	1194	1326	1459	1592
2.6	276	276	414	552	690	828	966	1104	1242	1380	1518	1655
2.7	287	287	430	573	716	860	1003	1146	1289	1433	1576	1719
2.8	297	297	446	594	743	892	1040	1189	1337	1486	1634	1783
2.9	308	308	462	616	770	923	1077	1231	1385	1539	1693	1847
3.0	318	318	478	637	796	955	1115	1274	1433	1592	1751	1911
3.1	329	329	494	658	823	987	1152	1316	1481	1645	1810	1974
3.2	340	340	510	679	849	1019	1189	1359	1529	1699	1868	2038
3.3	350	350	526	701	876	1051	1226	1401	1577	1752	1927	2102
3.4	361	361	541	722	902	1083	1263	1444	1624	1805	1985	2166
3.5	372	372	557	743	929	1115	1301	1487	1672	1858	2044	2230
3.6	382	382	573	765	956	1147	1338	1529	1720	1911	2103	2294
3.7	393	393	589	786	982	1179	1375	1572	1768	1965	2161	2358
3.8	404	404	605	807	1009	1211	1413	1614	1816	2018	2220	2421
3.9	414	414	621	828	1036	1243	1450	1657	1864	2071	2278	2485
4.0	425	425	637	850	1062	1275	1487	1700	1912	2124	2337	2549
4.5	478	478	717	956	1196	1435	1674	1913	2152	2391	2630	2869
5.0	532	532	797	1063	1329	1595	1861	2126	2392	2658	2924	3190
5.5	585	585	878	1170	1463	1755	2048	2340	2633	2925	3218	3510
6.0	639	639	958	1277	1597	1916	2235	2555	2874	3193	3512	3832
6.5	692	692	1038	1385	1731	2077	2423	2769	3115	3461	3808	4154
7.0	746	746	1119	1492	1865	2238	2611	2984	3357	3730	4103	4476
7.5	800	800	1200	1600	2000	2400	2800	3200	3600	4000	4400	4800
8.0	854	854	1281	1708	2135	2562	2989	3416	3843	4270	4697	5124
8.5	908	908	1362	1816	2270	2724	3178	3632	4086	4540	4994	5448
9.0	962	962	1444	1925	2406	2887	3368	3849	4331	4812	5293	5774
9.5	1017	1017	1525	2034	2542	3050	3559	4067	4576	5084	5592	6101
10.0	1071	1071	1607	2143	2678	3214	3750	4286	4821	5357	5893	6428

SUPPLEMENTAL TABLES 25107

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

AVI SUQUILLA
---SEE PARKER, AZ

BATTLE MOUNTAIN, NV
BATTLE MOUNTAIN(BAM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 04 1
RNAV (GPS) RWY 22 2
VOR RWY 04 3
AIRPORT DIAGRAM 4

BEAVER, UT
BEAVER MUNI(U52)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS)-A 5

BISBEE DOUGLAS INTL
---SEE DOUGLAS BISBEE, AZ

BLANDING, UT
BLANDING MUNI(BDG)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 35 6

BOLINDER FLD/TOOELE VALLEY
---SEE TOOELE, UT

BOULDER CITY, NV
BOULDER CITY MUNI(BVU)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 27 7
AIRPORT DIAGRAM 8

BRIGHAM CITY, UT
BRIGHAM CITY RGNL(BMC)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 35 9
DPS ..... OGDEN ONE (OBSTACLE) 10

BRYCE CANYON, UT
BRYCE CANYON(BCE)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 03 11
RNAV (GPS) RWY 21 12
DPS ..... BRYCE TWO (OBSTACLE) (RNAV) 13

BULLHEAD CITY, AZ
LAUGHLIN/BULLHEAD INTL(IFP)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 16 14
RNAV (GPS) RWY 34 15
VOR RWY 34 16
AIRPORT DIAGRAM 17

CANYONLANDS RGNL
---SEE MOAB, UT

CARBON COUNTY RGNL/BUCK DAVIS FLD
---SEE PRICE, UT

CARSON CITY, NV
CARSON CITY(CXP)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 27 18
RNAV (GPS)-A 19
RNAV (GPS)-B 20
AIRPORT DIAGRAM 21
DPS ..... JIMPA TWO (OBSTACLE) (RNAV) 22

CASA GRANDE, AZ
CASA GRANDE MUNI(CGZ)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 05 23
RNAV (GPS) RWY 05 24
RNAV (GPS) RWY 23 25
VOR RWY 05 26

CEDAR CITY, UT
CEDAR CITY RGNL(CDC)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 20 27
RNAV (GPS) RWY 02 28
RNAV (GPS) RWY 20 29
VOR RWY 20 30
AIRPORT DIAGRAM 31

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME	PROC	SECT PG
CHANDLER, AZ		
CHANDLER MUNI(CHD)		
TAKEOFF MINIMUMS		L
DIVERSE VECTOR AREA		L
HOT SPOT		P
STARS	ARLIN FOUR	Z2
	BLYTHE FIVE	Z6
	DSERT TWO (RNAV)	Z28
	HUUTY ONE (RNAV)	Z36
	SUNSS EIGHT	Z70
IAPS	RNAV (GPS) RWY 04R	32
	VOR RWY 04R	33
AIRPORT DIAGRAM		34
DPS	BNYRD SIX (RNAV)	35
	FTHLS SIX (RNAV)	36
	IZZZO EIGHT (RNAV)	37
	JUDTH SEVEN (RNAV)	38
	KATMN SIX (RNAV)	39
	LALUZ SIX (RNAV)	40
	MAYSA SEVEN (RNAV)	41
	SNOBL SIX (RNAV)	42
	YOTES SIX (RNAV)	43
STELLAR AIRPARK(P19)		
TAKEOFF MINIMUMS		L
STARS	ARLIN FOUR	Z2
	BLYTHE FIVE	Z6
	SUNSS EIGHT	Z70
IAPS	RNAV (GPS) RWY 35	44
DPS	JEWLZ ONE (RNAV)	45
CLIFTON/MORENCI, AZ		
GREENLEE COUNTY(CFT)		
TAKEOFF MINIMUMS		L
IAPS	RNAV (GPS)-A	46
DPS	SAN SIMON ONE (OBSTACLE) (RNAV)	47
COCHISE COUNTY		
---SEE WILLCOX, AZ		
COLORADO CITY, AZ		
COLORADO CITY MUNI(AZC)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 11	48
	RNAV (GPS) RWY 29	49
DPS	NORRA ONE (OBSTACLE) (RNAV)	50
COOLIDGE, AZ		
COOLIDGE MUNI(P08)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 23	51
	VOR RWY 05	52
COTTONWOOD, AZ		
COTTONWOOD(P52)		
TAKEOFF MINIMUMS		L
IAPS	RNAV (GPS) RWY 32	53
DPS	MINGY ONE (OBSTACLE) (RNAV)	54
DAVIS-MONTHAN AFB(KDMA)		
TUCSON, AZ		
TAKEOFF MINIMUMS		L
IAPS	ILS OR LOC Y RWY 13	55
	ILS OR LOC Y RWY 31	56
	RNAV (GPS) RWY 13	57
	RNAV (GPS) RWY 31	58
	TACAN Y RWY 13	59
	TACAN Y RWY 31	60
AIRPORT DIAGRAM		61
DPS	BBALL TWO	62
	MESCA TWO	63
DELTA, UT		
DELTA MUNI(DTA)		
TAKEOFF MINIMUMS		L
IAPS	RNAV (GPS) RWY 17	64
	RNAV (GPS) RWY 35	65
	VOR/DME RWY 17	66
	VOR RWY 35	67
DPS	DELTA ONE (OBSTACLE)	68
DERBY FLD		
---SEE LOVELOCK, NV		
DOUGLAS BISBEE, AZ		
BISBEE DOUGLAS INTL(DUG)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 17	69
	VOR/DME RWY 17	70
	VOR RWY 17	71
DUCHESNE, UT		
DUCHESNE MUNI(U69)		
TAKEOFF MINIMUMS		L
IAPS	VOR/DME-A	72
DUGWAY PROVING GROUND, UT		
---SEE MICHAEL AAF		
ELKO, NV		
ELKO RGNL(EKO)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 06	73
	RNAV (GPS) RWY 24	74
	LDA/DME RWY 24	75
AIRPORT DIAGRAM		76
ELY, NV		
ELY/YELLAND FLD(ELY)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 18	77
	VOR-C	78
AIRPORT DIAGRAM		79
DPS	ELY TWO (OBSTACLE)	80
ELY/YELLAND FLD		
---SEE ELY, NV		

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

ESCALANTE, UT
ESCALANTE MUNI(1L7)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 31 82
DPS ..... HASSL TWO (OBSTACLE) (RNAV) 83

EUREKA, NV
EUREKA(05U)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 84
DPS ..... MINES ONE (OBSTACLE) (RNAV) 85

FALCON FLD
---SEE MESA, AZ

FALLON, NV
FALLON MUNI(FLX)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-C 86
VOR-B 87
AIRPORT DIAGRAM 88

FALLON NAS (VAN VOORHIS FLD)(KNFL)
FALLON, NV
TAKEOFF MINIMUMS L
RADAR MINIMUMS ..... N
IAPS ..... RNAV (GPS) RWY 13R 89
RNAV (GPS) RWY 31L 90
TACAN Y RWY 13R 91
TACAN Y RWY 31L/R 92
AIRPORT DIAGRAM 93
DPS ..... TYWAN ONE 94
YERIN EIGHT 96

FILLMORE, UT
FILLMORE MUNI(FOM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 04 97
RNAV (GPS) RWY 22 98

FLAGSTAFF, AZ
FLAGSTAFF PULLIAM(FLG)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 21 99
RNAV (GPS) RWY 03 100
RNAV (GPS) RWY 21 101
VOR RWY 21 102
AIRPORT DIAGRAM 103
DPS ..... FLAGSTAFF ONE 104

FORT HUACHUCA SIERRA VISTA, AZ
SIERRA VISTA MUNI-LIBBY AAF(FHU)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 26 105
RNAV (GPS) RWY 08 106
RNAV (GPS) RWY 26 107
VOR RWY 26 108
TACAN RWY 08 109
TACAN RWY 26 110
AIRPORT DIAGRAM 111

GLENDALE, AZ
GLENDALE RGNL(GEU)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
STARS ..... DSERT TWO (RNAV) Z28
SUNSS EIGHT Z70
IAPS ..... RNAV (GPS) RWY 01 112
RNAV (GPS) RWY 19 113
AIRPORT DIAGRAM 114
DPS ..... DRAKE TWO (OBSTACLE) (RNAV) 115
BNYRD SIX (RNAV) 116
FTHLS SIX (RNAV) 117
GLENDALE ONE 118
IZZZO EIGHT (RNAV) 119
JUDTH SEVEN (RNAV) 120
KATMN SIX (RNAV) 121
LALUZ SIX (RNAV) 122
MAYSA SEVEN (RNAV) 123
SNOBL SIX (RNAV) 124
YOTES SIX (RNAV) 125

GLENDALE, AZ
---SEE LUKE AFB

GLOBE, AZ
SAN CARLOS APACHE(P13)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 27 126
DPS ..... IZTIR TWO (OBSTACLE) (RNAV) 127

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

GOODYEAR, AZ
PHOENIX GOODYEAR(GYR)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
STARS ..... DSERT TWO (RNAV) Z28
SUNSS EIGHT Z70
IAPS ..... RNAV (GPS) RWY 03 128
AIRPORT DIAGRAM 129
DPS ..... POTER THREE (OBSTACLE) (RNAV) 130
BNYRD SIX (RNAV) 131
FTHLS SIX (RNAV) 132
GOODYEAR TWO 133
IZZZO EIGHT (RNAV) 134
JUDTH SEVEN (RNAV) 135
KATMN SIX (RNAV) 136
LALUZ SIX (RNAV) 137
MAYSA SEVEN (RNAV) 138
SNOBL SIX (RNAV) 139
YOTES SIX (RNAV) 140

GRAND CANYON, AZ
GRAND CANYON NTL PARK(GCN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 03 141
RNAV (GPS) RWY 03 142
VOR RWY 03 143
AIRPORT DIAGRAM 144
DPS ..... GRAND FOUR (OBSTACLE) 145
PARKS FOUR 146
VALLE(40G)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 01 147
RNAV (GPS) RWY 19 148

GREEN RIVER, UT
GREEN RIVER MUNI(U34)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 13 149
RNAV (GPS) RWY 31 150
DPS ..... ADIBE ONE (OBSTACLE) (RNAV) 151

GREENLEE COUNTY
---SEE CLIFTON/MORENCI, AZ

H A CLARK MEML FLD
---SEE WILLIAMS, AZ

HARRY REID INTL
---SEE LAS VEGAS, NV

HAWTHORNE, NV
HAWTHORNE INDUSTRIAL(HTH)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 28 152
AIRPORT DIAGRAM 153

HEBER, UT
HEBER VALLEY(HCR)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS)-A 154
DPS ..... COOLI SIX (RNAV) 155

HENDERSON EXEC
---SEE LAS VEGAS, NV

HILL AFB(KHIF)
OGDEN, UT
TAKEOFF MINIMUMS L
IAPS ..... ILS OR LOC X RWY 14 156
TACAN X RWY 14 157
AIRPORT DIAGRAM 158
DPS ..... DEVLN 1 159
FREMONT 1 (VECTOR) 160
LGTNG 1 161
WILLARD 1 (VECTOR) 162

HUNTINGTON, UT
HUNTINGTON MUNI(69V)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS)-C 163
VOR-B 164

KANAB, UT
KANAB MUNI(KNB)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 01 165
DPS ..... KACIR TWO (RNAV) 166

KINGMAN, AZ
KINGMAN(IGM)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 03 167
RNAV (GPS) Y RWY 21 168
RNAV (GPS) Z RWY 21 169
VOR/DME RWY 21 170
AIRPORT DIAGRAM 171

LAGUNA AAF (YUMA PROVING GROUND) (KLGF)
YUMA, AZ
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 06 172
RNAV (GPS) RWY 18 173
VOR RWY 06 174
AIRPORT DIAGRAM 175

LAKE HAVASU CITY, AZ
LAKE HAVASU CITY(HII)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 14 176
RNAV (GPS) RWY 32 177
VOR-A 178

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME	PROC	SECT PG
LAS VEGAS, NV		
HARRY REID INTL(LAS)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
HOT SPOT		P
STARS	BLAID TWO	Z5
	CHOWW FOUR (RNAV)	Z18
	COKTL FOUR (RNAV)	Z21
	CRESO FIVE	Z26
	GAMES TWO (RNAV)	Z35
	ISHEE TWO	Z40
	JAYSN THREE (RNAV)	Z43
	LARKK ONE	Z48
	PUMLE ONE	Z57
	RKSTR FOUR (RNAV)	Z59
	RNDRZ FOUR (RNAV)	Z62
IAPS	ILS OR LOC RWY 01L	179
	ILS Y OR LOC Y RWY 26L	180
	ILS Y OR LOC Y RWY 26R	181
	ILS Z OR LOC Z RWY 26L	182
	ILS Z OR LOC Z RWY 26R	183
	RNAV (RNP) RWY 08R	184
	RNAV (RNP) RWY 26L	185
	RNAV (RNP) RWY 26R	186
	RNAV (RNP) Z RWY 19L	187
	RNAV (RNP) Z RWY 19R	188
	RNAV (GPS) RWY 01R	189
	RNAV (GPS) Y RWY 19L	190
	RNAV (GPS) Y RWY 19R	191
	VOR/DME-A	192
	VOR RWY 26L/R	193
AIRPORT DIAGRAM		194
DPS	FRNCK ONE (RNAV)	195
	GIDGT THREE (RNAV)	196
	HOOVER EIGHT	199
	JOHKR FIVE (RNAV)	201
	LOHLA THREE (RNAV)	204
	MCCARRAN EIGHT	206
	NIITZ FOUR (RNAV)	208
	RADYR TWO (RNAV)	211
	RASLR THREE (RNAV)	214
	RATPK THREE (RNAV)	216
HENDERSON EXEC(HND)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
HOT SPOT		P
STARS	BOEGY TWO (RNAV)	Z7
	GAMES TWO (RNAV)	Z35
	NTNDO ONE (RNAV)	Z50
	PUMLE ONE	Z57
IAPS	RNAV (GPS)-B	218
	VOR-C	219
AIRPORT DIAGRAM		220
DPS	OYODA TWO (RNAV)	221
	SCAMR FOUR (RNAV)	223

NAME	PROC	SECT PG
LAS VEGAS, NV		
NORTH LAS VEGAS(VGT)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
HOT SPOT		P
STARS	FLCHR ONE (RNAV)	Z34
	NTNDO ONE (RNAV)	Z50
	WYLND ONE (RNAV)	Z77
IAPS	ILS OR LOC RWY 12L	225
	RNAV (GPS) RWY 12R	226
AIRPORT DIAGRAM		227
DPS	BOULDER CITY ONE (OBSTACLE)	228
	NORTHTOWN FIVE	229
LAS VEGAS, NV		
---SEE NELLIS AFB		
LAUGHLIN/BULLHEAD INTL		
---SEE BULLHEAD CITY, AZ		
LOGAN, UT		
LOGAN-CACHE(LGU)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	ILS OR LOC/DME RWY 17	230
	RNAV (GPS) RWY 17	231
	RNAV (GPS) RWY 35	232
AIRPORT DIAGRAM		233
DPS	ORNEY ONE (OBSTACLE)	234
LOVELOCK, NV		
DERBY FLD(LOL)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 02	235
	RNAV (GPS) RWY 20	236
	VOR-A	237
AIRPORT DIAGRAM		238
LUKE AFB(KLUF)		
GLENDALE, AZ		
TAKEOFF MINIMUMS		L
STARS	LENNI FOUR	Z49
MANTI, UT		
MANTI-EPHRAIM(41U)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 03	239
DPS	WUXOT ONE (OBSTACLE) (RNAV)	240
	YMONT ONE (OBSTACLE) (RNAV)	241
MANTI-EPHRAIM		
---SEE MANTI, UT		
MARANA, AZ		
MARANA RGNL(AVQ)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 03	242
	RNAV (GPS) RWY 12	243
	RNAV (GPS) RWY 21	244
	RNAV (GPS)-E	245

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

MESA, AZ
FALCON FLD(FFZ)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
STARS ..... ARLIN FOUR Z2
BLYTHE FIVE Z6
DSERT TWO (RNAV) Z28
HUUTY ONE (RNAV) Z36
SUNSS EIGHT Z70
IAPS ..... RNAV (GPS) RWY 04L 246
RNAV (GPS) RWY 04R 247
RNAV (GPS)-B 248
AIRPORT DIAGRAM 249
DPS ..... MESA ONE (OBSTACLE) 250
SACAT THREE (RNAV) 251

MESA GATEWAY
---SEE PHOENIX, AZ

MESQUITE, NV
MESQUITE(67L)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 252

MICHAEL AAF(KDPG)
DUGWAY PROVING GROUND, UT
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 12 253
TACAN RWY 12 254
AIRPORT DIAGRAM 255

MILFORD, UT
MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 16 256
RNAV (GPS) RWY 34 257
VOR/DME-A 258

MINDEN, NV
MINDEN-TAHOE(MEV)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... RNAV (GPS) RWY 16 259
RNAV (GPS) RWY 34 260
AIRPORT DIAGRAM 261
DPS ..... MINDEN TWO (OBSTACLE) (RNAV) 262

MOAB, UT
CANYONLANDS RGNL(CNY)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 03 263
VOR-A 264

MONTICELLO, UT
MONTICELLO(U64)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 16 265
RNAV (GPS) RWY 34 266

NELLIS AFB(KLSV)
LAS VEGAS, NV
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
IAPS ..... ILS OR LOC X RWY 21L 267
LOC Y RWY 21L 268
TACAN X RWY 21L 269
SIN CITY VISUAL RWY 03L/R 270
AIRPORT DIAGRAM 271
DPS ..... DREAM SEVEN 272
FYTTR SEVEN 273
MORMON MESA EIGHT 274

NEPHI, UT
NEPHI MUNI(U14)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 17 275
RNAV (GPS) RWY 35 276
DPS ..... NEPHI TWO (OBSTACLE) (RNAV) 277

NOGALES, AZ
NOGALES INTL(OLS)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS)-A 278
VOR-B 279
DPS ..... NOGALES THREE (OBSTACLE) 280

NORTH LAS VEGAS
---SEE LAS VEGAS, NV

OGDEN, UT
OGDEN-HINCKLEY(OGD)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
LAHSO ..... O
HOT SPOT ..... P
STARS ..... WLKRR ONE (RNAV) Z76
IAPS ..... ILS OR LOC RWY 03 282
RNAV (GPS) RWY 03 283
VOR-A 284
AIRPORT DIAGRAM 285
DPS ..... EMONT THREE (OBSTACLE) 286

OGDEN, UT
---SEE HILL AFB

OWYHEE, NV
OWYHEE(10U)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 05 287
DPS ..... OPTEC ONE (RNAV) 288

PAGE, AZ
PAGE MUNI(PGA)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 15 289
RNAV (GPS) RWY 33 290
VOR-B 291

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

PANGUITCH, UT
PANGUITCH MUNI(U55)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 292
RNAV (GPS) RWY 36 293

PARKER, AZ
AVI SUQUILLA(P20)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 294
VOR/DME-A 295

PAYSON, AZ
PAYSON(PAN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 24 296
RNAV (GPS)-A 297

PHOENIX, AZ
MESA GATEWAY(IWA)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
STARS ..... ARLIN FOUR Z2
BLYTHE FIVE Z6
DSERT TWO (RNAV) Z28
HUUTY ONE (RNAV) Z36
SUNSS EIGHT Z70
IAPS ..... ILS OR LOC RWY 30C 298
RNAV (RNP) Z RWY 30C 299
RNAV (GPS) RWY 12C 300
RNAV (GPS) RWY 12R 301
RNAV (GPS) RWY 30L 302
RNAV (GPS) RWY 30R 303
RNAV (GPS) Y RWY 30C 304
VOR OR TACAN RWY 30C 305
AIRPORT DIAGRAM 306
DPS ..... PHOENIX ONE (OBSTACLE) 307
BNYRD SIX (RNAV) 308
FTHLS SIX (RNAV) 309
IZZZO EIGHT (RNAV) 310
JUDTH SEVEN (RNAV) 311
KATMN SIX (RNAV) 312
LALUZ SIX (RNAV) 313
MAYSA SEVEN (RNAV) 314
SNOBL SIX (RNAV) 315
YOTES SIX (RNAV) 316
PHOENIX DEER VALLEY(DVT)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
STARS ..... ARLIN FOUR Z2
BLYTHE FIVE Z6
DSERT TWO (RNAV) Z28
SUNSS EIGHT Z70
IAPS ..... RNAV (GPS) RWY 07R 317
RNAV (GPS) RWY 25L 318
RNAV (GPS)-B 319
AIRPORT DIAGRAM 320
DPS ..... DEER VALLEY THREE (OBSTACLE) 321
BNYRD SIX (RNAV) 323
FTHLS SIX (RNAV) 324
IZZZO EIGHT (RNAV) 325
JUDTH SEVEN (RNAV) 326
KATMN SIX (RNAV) 327
LALUZ SIX (RNAV) 328
MAYSA SEVEN (RNAV) 329
SNOBL SIX (RNAV) 330
YOTES SIX (RNAV) 331

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME	PROC	SECT PG
PHOENIX, AZ		
PHOENIX SKY HARBOR INTL(PHX)		
TAKEOFF MINIMUMS		L
DIVERSE VECTOR AREA		L
ALTERNATE MINIMUMS		M
HOT SPOT		P
STARS	ARLIN FOUR	Z2
	BLYTHE FIVE	Z6
	BRUSR ONE (RNAV)	Z11
	BUNTR THREE	Z14
	COYOT FIVE	Z24
	DSERT TWO (RNAV)	Z28
	EAGUL SIX (RNAV)	Z30
	HYDRR ONE (RNAV)	Z37
	JESSE THREE	Z46
	PINNG ONE (RNAV)	Z52
	SUNSS EIGHT	Z70
IAPS	ILS OR LOC RWY 07R	332
	ILS OR LOC RWY 08	333
	ILS OR LOC RWY 25L	334
	ILS OR LOC RWY 26	335
	ILS OR LOC/DME RWY 07L	336
	RNAV (GPS) Y RWY 07L	337
	RNAV (GPS) Y RWY 07R	338
	RNAV (GPS) Y RWY 08	339
	RNAV (GPS) Y RWY 25L	340
	RNAV (GPS) Y RWY 25R	341
	RNAV (GPS) Y RWY 26	342
AIRPORT DIAGRAM		343
DPS	BALDY THREE	344
	BROAK ONE (RNAV)	346
	BUCKEYE FOUR	347
	CHILY FOUR	349
	ECLPS ONE (RNAV)	351
	FORPE ONE (RNAV)	352
	FYRBD ONE (RNAV)	354
	KEENS THREE (RNAV)	355
	MOBIE FOUR	356
	MRBIL ONE (RNAV)	357
	QUAKY ONE (RNAV)	359
	ST. JOHNS NINE	361
	STANFIELD FOUR	363
	STRRM ONE (RNAV)	364
	ZEPER TWO (RNAV)	366
PHOENIX GOODYEAR		
---SEE GOODYEAR, AZ		
PRESCOTT, AZ		
PRESCOTT RGNL/ERNEST A LOVE FLD(PRC)		
TAKEOFF MINIMUMS		L
DIVERSE VECTOR AREA		L
ALTERNATE MINIMUMS		M
LAHSO		O
HOT SPOT		P
IAPS	ILS OR LOC/DME RWY 21L	368
	RNAV (RNP) Z RWY 03R	369
	RNAV (GPS) RWY 12	370
	RNAV (GPS) RWY 21L	371
	RNAV (GPS) Y RWY 03R	372
	VOR RWY 12	373
AIRPORT DIAGRAM		374
DPS	PRESCOTT THREE (OBSTACLE)	375
	WNSKI TWO	377
PRICE, UT		
CARBON COUNTY RGNL/BUCK DAVIS FLD(PUC)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	ILS OR LOC RWY 01	379
	RNAV (GPS) RWY 01	380
PROVO, UT		
PROVO MUNI(PVU)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
STARS	TAYTR TWO (RNAV)	Z72
IAPS	ILS OR LOC RWY 13	381
	RNAV (GPS) RWY 13	382
AIRPORT DIAGRAM		383
DPS	PROVO FOUR (OBSTACLE)	384
	DITTI ONE (RNAV)	385

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME	PROC	SECT PG
RENO, NV		
RENO/STEAD(RTS)		
TAKEOFF MINIMUMS		L
IAPS	ILS OR LOC RWY 32	386
	RNAV (GPS) RWY 32	387
AIRPORT DIAGRAM		388
DPS	STEAD ONE (OBSTACLE)	389
RENO/TAHOE INTL(RNO)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
STARS	ANAHO TWO	Z1
	EELZA FOUR (RNAV)	Z33
	KLUBS ONE (RNAV)	Z47
	ORRCA ONE (RNAV)	Z51
	RYANN TWO	Z65
	SCOLA ONE (RNAV)	Z66
	TARVR ONE (RNAV)	Z71
	WADOL FOUR (RNAV)	Z74
	WINRZ ONE (RNAV)	Z75
IAPS	ILS OR LOC RWY 35L	390
	ILS X OR LOC X RWY 17R	391
	ILS Z OR LOC Z RWY 17R	392
	ILS Y RWY 17R	393
	RNAV (RNP) W RWY 35L	394
	RNAV (RNP) W RWY 35R	395
	RNAV (RNP) Y RWY 17L	396
	RNAV (RNP) Y RWY 17R	397
	RNAV (RNP) Z RWY 17L	398
	RNAV (RNP) Z RWY 17R	399
	RNAV (RNP) Z RWY 35L	400
	RNAV (RNP) Z RWY 35R	401
	RNAV (GPS) X RWY 17L	402
	RNAV (GPS) X RWY 17R	403
	RNAV (GPS) X RWY 35L	404
	RNAV (GPS) X RWY 35R	405
	RNAV (GPS) Y RWY 35L	406
	RNAV (GPS) Y RWY 35R	407
	LOC Y RWY 17R	408
	VOR-D	409
	TACAN-F	410
AIRPORT DIAGRAM		411
DPS	SPARKS ONE (OBSTACLE)	412
	ALPYN ONE (RNAV)	415
	MUSTANG ONE	416
	PVINE FIVE (RNAV)	417
	RENO ONE	418
	WAGGE EIGHT	419
	ZEFFR NINE (RNAV)	420
RICHFIELD, UT		
RICHFIELD MUNI(RIF)		
TAKEOFF MINIMUMS		L
IAPS	RNAV (GPS) RWY 19	421
DPS	HAMET THREE (OBSTACLE) (RNAV)	422
	RICHFIELD TWO (OBSTACLE) (RNAV)	423
ROOSEVELT, UT		
ROOSEVELT MUNI(74V)		
TAKEOFF MINIMUMS		L
IAPS	RNAV (GPS) RWY 25	424
	VOR-A	425
RYAN FLD		
---SEE TUCSON, AZ		
SAFFORD, AZ		
SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 12	426
	RNAV (GPS) RWY 30	427
AIRPORT DIAGRAM		428
DPS	SAFFORD ONE (OBSTACLE) (RNAV)	429
ST GEORGE, UT		
ST GEORGE RGNL(SGU)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 01	430
	RNAV (GPS) RWY 19	431
	LDA RWY 19	432
DPS	JITKA TWO (OBSTACLE)	433
	HIVKA TWO (RNAV)	434
	PHYLI TWO (RNAV)	435
ST JOHNS, AZ		
ST JOHNS INDUSTRIAL AIR PARK(SJN)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 14	436
	RNAV (GPS) RWY 32	437
	VOR-A	438

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME	PROC	SECT PG
SALT LAKE CITY, UT		
SALT LAKE CITY INTL(SLC)		
TAKEOFF MINIMUMS		L
DIVERSE VECTOR AREA		L
HOT SPOT		P
STARS	BEARR FIVE	Z3
	BONNEVILLE TWO	Z8
	BRIGHAM CITY FIVE	Z9
	CARTR ONE (RNAV)	Z16
	JAMMN FIVE	Z41
	JAZZZ ONE (RNAV)	Z45
	PITTT ONE (RNAV)	Z55
	QWENN SIX (RNAV)	Z58
	SKEES SIX (RNAV)	Z67
	SPANE EIGHT	Z69
	YUTES ONE (RNAV)	Z78
IAPS	ILS OR LOC RWY 16L	439
	ILS OR LOC RWY 16R	440
	ILS OR LOC RWY 17	441
	ILS OR LOC RWY 34L	442
	ILS OR LOC RWY 34R	443
	ILS RWY 16R (SA CAT I)	444
	ILS RWY 34L (SA CAT I)	445
	ILS RWY 34R (SA CAT I)	446
	ILS RWY 17 (SA CAT I - II)	447
	ILS RWY 16L (CAT II - III)	448
	ILS RWY 16R (CAT II - III)	449
	ILS RWY 34L (CAT II - III)	450
	ILS RWY 34R (CAT II - III)	451
	RNAV (RNP) Z RWY 16L	452
	RNAV (RNP) Z RWY 16R	453
	RNAV (RNP) Z RWY 17	454
	RNAV (RNP) Z RWY 34L	455
	RNAV (RNP) Z RWY 34R	456
	RNAV (RNP) Z RWY 35	457
	RNAV (GPS) Y RWY 16L	458
	RNAV (GPS) Y RWY 16R	459
	RNAV (GPS) Y RWY 17	460
	RNAV (GPS) Y RWY 34L	461
	RNAV (GPS) Y RWY 34R	462
	RNAV (GPS) Y RWY 35	463
	LDA RWY 35	464
AIRPORT DIAGRAM		465
DPS	ARCHZ ONE (RNAV)	466
	CGULL ONE (RNAV)	467
	DEZRT TWO (RNAV)	468
	FAIRFIELD NINE	469
	RUGGD THREE (RNAV)	471
	SALT LAKE FOUR	473
	SEVYR THREE	475
	ZIONZ ONE (RNAV)	477
SOUTH VALLEY RGNL(SVR)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 34	478
DPS	SOUTH VALLEY TWO (RNAV)	479
SAN CARLOS APACHE		
---SEE GLOBE, AZ		
SCOTTSDALE, AZ		
SCOTTSDALE(SDL)		
TAKEOFF MINIMUMS		L
DIVERSE VECTOR AREA		L
ALTERNATE MINIMUMS		M
STARS	ARLIN FOUR	Z2
	BLYTHE FIVE	Z6
	DSERT TWO (RNAV)	Z28
	SUNSS EIGHT	Z70
IAPS	RNAV (RNP) RWY 21	480
	RNAV (RNP) Y RWY 03	481
	RNAV (RNP) Z RWY 03	482
	RNAV (GPS)-D	483
	RNAV (GPS)-E	484
	VOR/DME-A	485
AIRPORT DIAGRAM		486
DPS	MARICOPA ONE (OBSTACLE)	487
	BNYRD SIX (RNAV)	488
	FTHLS SIX (RNAV)	489
	IZZZO EIGHT (RNAV)	490
	JONHH TWO	491
	JUDTH SEVEN (RNAV)	493
	KATMN SIX (RNAV)	494
	LALUZ SIX (RNAV)	495
	MAYSA SEVEN (RNAV)	496
	SCOTTSDALE SEVEN	497
	SNOBL SIX (RNAV)	499
	YOTES SIX (RNAV)	500
SEDONA, AZ		
SEDONA(SEZ)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 03	501
DPS	BYTER ONE (OBSTACLE) (RNAV)	502
SHOW LOW, AZ		
SHOW LOW RGNL(SOW)		
TAKEOFF MINIMUMS		L
ALTERNATE MINIMUMS		M
IAPS	RNAV (GPS) RWY 25	503
SIERRA VISTA MUNI-LIBBY AAF		
---SEE FORT HUACHUCA SIERRA VISTA, AZ		
SILVER SPRINGS, NV		
SILVER SPRINGS(SPZ)		
TAKEOFF MINIMUMS		L
IAPS	RNAV (GPS) RWY 24	504
SOUTH VALLEY RGNL		
---SEE SALT LAKE CITY, UT		
SPANISH FORK, UT		
SPANISH FORK MUNI/WOODHOUSE FLD(SPK)		
TAKEOFF MINIMUMS		L
STARS	TAYTR TWO (RNAV)	Z72
IAPS	RNAV (GPS) Y RWY 12	505
	RNAV (GPS) Z RWY 12	506
	RNAV (GPS)-A	507
DPS	SPANISH FORK ONE (OBSTACLE)	508

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

SPRINGERVILLE, AZ
SPRINGERVILLE MUNI(JTC)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 21 510

STELLAR AIRPARK
---SEE CHANDLER, AZ

TAYLOR, AZ
TAYLOR(TYL)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 21 511
DPS ..... CAMBA FOUR (RNAV) 512

TONOPAH, NV
TONOPAH(TPH)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 15 513
VOR-A 514
AIRPORT DIAGRAM 515

TONOPAH TEST RANGE(KTNX)
TONOPAH, NV
TAKEOFF MINIMUMS L
IAPS ..... ILS OR LOC/DME RWY 14 516
ILS OR LOC/DME RWY 32 517
RNAV (GPS) RWY 14 518
RNAV (GPS) RWY 32 519
VOR/DME Z RWY 14 520
VOR/DME Z RWY 32 521
VOR/DME OR TACAN RWY 14 522
VOR/DME OR TACAN RWY 32 523
AIRPORT DIAGRAM 524
DPS ..... ESSAA ONE (RNAV) 525
JAYSN ONE (RNAV) 526
LEAHI ONE (RNAV) 527
RANGE TWO (RNAV) 528
SILVER ONE 529
STOFF TWO 530
TONOPAH THREE (RNAV) 531
TUMBE ONE (RNAV) 532

TOOELE, UT
BOLINDER FLD/TOOELE VALLEY(TVY)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... ILS OR LOC RWY 17 533
RNAV (GPS) RWY 17 534
DPS ..... STACO TWO (RNAV) 535

TUCSON, AZ
RYAN FLD(RYN)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
IAPS ..... ILS OR LOC RWY 06R 536
RNAV (GPS) RWY 06R 537
NDB RWY 06R 538
AIRPORT DIAGRAM 539
DPS ..... ALMON ONE (OBSTACLE) (RNAV) 540
TUCSON INTL(TUS)
TAKEOFF MINIMUMS L
DIVERSE VECTOR AREA L
ALTERNATE MINIMUMS ..... M
HOT SPOT ..... P
STARS ..... DINGO SIX Z27
ZONNA TWO (RNAV) Z79
IAPS ..... ILS OR LOC RWY 12 541
RNAV (RNP) Y RWY 12 542
RNAV (RNP) Y RWY 30 543
RNAV (GPS) RWY 04 544
RNAV (GPS) RWY 22 545
RNAV (GPS) Z RWY 12 546
RNAV (GPS) Z RWY 30 547
VOR OR TACAN RWY 12 548
VOR OR TACAN RWY 30 549
AIRPORT DIAGRAM 550
DPS ..... BURRO FIVE (RNAV) 551
TUCSON NINE 552
WLDKT FOUR (RNAV) 554

TUCSON, AZ
---SEE DAVIS-MONTHAN AFB

VALLE
---SEE GRAND CANYON, AZ

VERNAL, UT
VERNAL RGNL(VEL)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) Y RWY 35 555
RNAV (GPS) Z RWY 35 556
VOR RWY 35 557

WENDOVER, UT
WENDOVER(ENV)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 08 558
RNAV (GPS) RWY 26 559
RNAV (GPS)-A 560
RNAV (GPS)-C 561
VOR/DME-B 562
VOR/DME OR TACAN RWY 26 563
AIRPORT DIAGRAM 564
DPS ..... WENDOVER ONE (RNAV) 565

SW-4, 07 AUG 2025 to 02 OCT 2025

INDEX OF TERMINAL CHARTS AND MINIMUMS

NAME PROC SECT PG

WILLCOX, AZ
COCHISE COUNTY(P33)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 03 566
RNAV (GPS) RWY 21 567
DPS ..... COCHISE ONE (OBSTACLE) 568

WILLIAMS, AZ
H A CLARK MEML FLD(CMR)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 18 569

WINDOW ROCK, AZ
WINDOW ROCK(RQE)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 03 570
RNAV (GPS)-B 571
VOR-A 572

WINNEMUCCA, NV
WINNEMUCCA MUNI(WMC)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... RNAV (GPS) RWY 14 573
RNAV (GPS) RWY 32 574
AIRPORT DIAGRAM 575
DPS ..... FESKO ONE (OBSTACLE) (RNAV) 576

WINSLOW, AZ
WINSLOW-LINDBERGH RGNL(INW)
TAKEOFF MINIMUMS L
ALTERNATE MINIMUMS ..... M
IAPS ..... VOR OR GPS RWY 11 578

WINSLOW-LINDBERGH RGNL
---SEE WINSLOW, AZ

YERINGTON, NV
YERINGTON MUNI(O43)
TAKEOFF MINIMUMS L
IAPS ..... RNAV (GPS) RWY 02 579
DPS ..... YERINGTON ONE (OBSTACLE) (RNAV) 580

YUMA, AZ
---SEE LAGUNA AAF (YUMA PROVING GROUND)

YUMA MCAS/YUMA INTL(KNYL)
YUMA, AZ
TAKEOFF MINIMUMS L
RADAR MINIMUMS ..... N
IAPS ..... ILS OR LOC/DME RWY 21R 581
RNAV (GPS) RWY 03L 582
RNAV (GPS) RWY 17 583
RNAV (GPS) RWY 21R 584
VOR/DME OR TACAN RWY 17 585
VOR RWY 17 586
TACAN Y RWY 03L 587
TACAN Y RWY 21R 588
AIRPORT DIAGRAM 589
DPS ..... ARGUS FIVE 590
CARGO ONE 591
HEEDS THREE 593
MOHAK FIVE 594
PICACHO FIVE 595

SW-4, 07 AUG 2025 to 02 OCT 2025

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. An entry may also be listed that contains only Takeoff Obstacle Notes. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or RADAR vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow RADAR vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

SW-4, 07 AUG 2025 to 02 OCT 2025

BATTLE MOUNTAIN, NV

BATTLE MOUNTAIN (BAM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 26MAR20 (20086) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, std. w/min. climb of 335' per NM to 6300 or 4800-3 for VCOA.

Rwy 13, std. w/min. climb of 350' per NM to 6500 or 4800-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 4, climb on heading 036° and BAM VORTAC R-036 outbound to 8200 before proceeding on course.

Rwy 13, climbing right turn heading 240° and BAM VORTAC R-210 outbound to 10000 before proceeding on course.

Rwy 22, climb direct BAM VORTAC and proceed on BAM R-210 outbound to 10100 before proceeding on course.

Rwy 31, climb on heading 306° and BAM VORTAC R-329 outbound to 9100 before proceeding on course.

VCOA:

Rwys 4, 13, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Battle Mountain airport at or above 9200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, trees beginning 129' from DER, 18' right of centerline, up to 45' AGL/4570' MSL.
Trees beginning 153' from DER, 55' left of centerline, up to 45' AGL/4570' MSL.
Rwy 13, vehicle on road 15' from DER, 171' right of centerline, 4558' MSL.
Sign 19' from DER, 250' left of centerline, 4' AGL/4537' MSL.
Tree, vehicle on road beginning 42' from DER, 23' right of centerline, up to 55' AGL/4566' MSL.
Trees beginning 116' from DER, 151' left of centerline, up to 45' AGL/4566' MSL.
Trees beginning 120' from DER, 47' right of centerline, up to 45' AGL/4570' MSL.
Trees beginning 497' from DER, 127' left of centerline, up to 45' AGL/4570' MSL.
Trees beginning 731' from DER, 71' right of centerline, up to 45' AGL/4573' MSL.
Trees beginning 956' from DER, 79' left of centerline, up to 45' AGL/4573' MSL.
Tree 1493' from DER, 667' right of centerline, 45' AGL/4576' MSL.
Rwy 22, tree, NAVAID, wind indicator beginning 101' from DER, 13' right of centerline, up to 45' AGL/4570' MSL.
Trees beginning 125' from DER, 133' left of centerline, up to 45' AGL/4570' MSL.
Trees beginning 499' from DER, 60' left of centerline, up to 45' AGL/4573' MSL.
Trees beginning 1270' from DER, 215' left of centerline, up to 45' AGL/4576' MSL.
Rwy 31, vegetation 33' from DER, 487' left of centerline, 4540' MSL.
Trees beginning 50' from DER, 80' right of centerline, up to 45' AGL/4573' MSL.
Trees beginning 124' from DER, 46' left of centerline, up to 45' AGL/4573' MSL.

BEAVER, UT

BEAVER MUNI (U52)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:

Rwys 7, 25, NA - Obstacles

Rwys 13, 31 , 2600-2¾ for VCOA.

VCOA:

Rwys 13, 31, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Beaver Muni at or above 8300, then climb to 10100 on MLF VORTAC R-102 to MLF VORTAC. Do not exceed 210K until established on MLF VORTAC R-102.

TAKEOFF OBSTACLE NOTES:

Rwy 13, vegetation 429' from DER, 46' right of centerline, 5877' MSL.
Tree 642' from DER, 49' right of centerline, 5886' MSL.
Terrain 1344' from DER, 802' right of centerline, 5899' MSL.
Terrain 1725' from DER, 938' left of centerline, 5909' MSL.
Terrain 1729' from DER, 762' right of centerline, 5913' MSL.
Terrain beginning 1854' from DER, 7' left of centerline, up to 5913' MSL.
Terrain 1857' from DER, 559' right of centerline, 5916' MSL.
Terrain beginning 1981' from DER, 209' left of centerline, up to 5922' MSL.
Terrain beginning 1984' from DER, 357' right of centerline, up to 5919' MSL.
Terrain beginning 2109' from DER, 412' left of centerline, up to 5929' MSL.
Terrain beginning 2112' from DER, 154' right of centerline, up to 5926' MSL.
Terrain 2240' from DER, 47' left of centerline, 5932' MSL.
Terrain 2366' from DER, 817' left of centerline, 5936' MSL.
Terrain 2367' from DER, 250' left of centerline, 5939' MSL.
Terrain beginning 2369' from DER, 316' right of centerline, up to 5932' MSL.
Terrain beginning 2494' from DER, 452' left of centerline, up to 5942' MSL.
Terrain beginning 2496' from DER, 114' right of centerline, up to 5939' MSL.
Terrain beginning 2623' from DER, 88' left of centerline, up to 5949' MSL.
Terrain beginning 2750' from DER, 291' left of centerline, up to 5955' MSL.
Terrain beginning 2753' from DER, 275' right of centerline, up to 5942' MSL.
Terrain beginning 2879' from DER, 493' left of centerline, up to 5962' MSL.
Terrain beginning 2881' from DER, 73' right of centerline, up to 5949' MSL.
Terrain beginning 3007' from DER, 129' left of centerline, up to 5965' MSL.
Terrain beginning 3135' from DER, 169' left of centerline, up to 5968' MSL.
Terrain beginning 3137' from DER, 235' right of centerline, up to 5952' MSL.
Terrain beginning 3265' from DER, 32' right of centerline, up to 5955' MSL.
Terrain 3268' from DER, 1166' right of centerline, 5959' MSL.
Terrain beginning 3394' from DER, 396' right of centerline, up to 5962' MSL.
Terrain beginning 3522' from DER, 194' right of centerline, up to 5965' MSL.
Terrain beginning 3650' from DER, 8' left of centerline, up to 5972' MSL.
Terrain beginning 3651' from DER, 558' right of centerline, up to 5968' MSL.
Terrain beginning 3779' from DER, 356' right of centerline, up to 5975' MSL.
Terrain beginning 3905' from DER, 413' left of centerline, up to 5975' MSL.
Terrain beginning 3906' from DER, 153' right of centerline, up to 5978' MSL.
Terrain 4033' from DER, 615' left of centerline, 5978' MSL.
Terrain beginning 4034' from DER, 48' left of centerline, up to 5981' MSL.
Terrain beginning 4035' from DER, 518' right of centerline, up to 5981' MSL.
Terrain beginning 4162' from DER, 251' left of centerline, up to 5985' MSL.
Terrain 4163' from DER, 315' right of centerline, 5985' MSL.
Terrain 4164' from DER, 882' right of centerline, 5988' MSL.
Terrain 4166' from DER, 1449' right of centerline, 6001' MSL.
Tree, terrain beginning 4272' from DER, 113' right of centerline, up to 6024' MSL.
Terrain 4417' from DER, 656' left of centerline, 5988' MSL.
Terrain beginning 4418' from DER, 89' left of centerline, up to 5991' MSL.
Terrain 4422' from DER, 1611' right of centerline, 6037' MSL.
Terrain beginning 4454' from DER, 274' right of centerline, up to 6039' MSL.
Terrain, tree beginning 4550' from DER, 72' right of centerline, up to 6050' MSL.
Tree, terrain beginning 4554' from DER, 130' left of centerline, up to 6016' MSL.
Terrain beginning 4678' from DER, 436' right of centerline, up to 6057' MSL.
Terrain 4806' from DER, 1003' right of centerline, 6060' MSL.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

BEAVER, UT (CON'T)

BEAVER MUNI (U52) (CON'T)

Rwy 13 (CON'T), terrain beginning 4807' from DER, 234' right of centerline, up to 6083' MSL.
Tree, terrain beginning 4892' from DER, 332' left of centerline, up to 6024' MSL.
Terrain, tree beginning 4935' from DER, 31' right of centerline, up to 6093' MSL.
Tree, terrain beginning 5122' from DER, 170' left of centerline, up to 6026' MSL.
Terrain, tree beginning 5191' from DER, 152' right of centerline, up to 6100' MSL.
Terrain, tree beginning 5444' from DER, 9' left of centerline, up to 6037' MSL.
Terrain beginning 5828' from DER, 49' left of centerline, up to 6050' MSL.
Terrain beginning 5961' from DER, 111' right of centerline, up to 6109' MSL.
Terrain beginning 1 NM from DER, 273' right of centerline, up to 6115' MSL.
Terrain beginning 1 NM from DER, 71' right of centerline, up to 6116' MSL.
Tree, terrain beginning 1 NM from DER, 435' right of centerline, up to 6117' MSL.
Terrain beginning 1 NM from DER, 232' right of centerline, up to 6126' MSL.
Tree, terrain beginning 1.1 NM from DER, 30' right of centerline, up to 6142' MSL.
Terrain, tree beginning 1.1 NM from DER, 192' right of centerline, up to 6146' MSL.
Terrain beginning 1.1 NM from DER, 10' left of centerline, up to 6070' MSL.
Terrain beginning 1.1 NM from DER, 151' right of centerline, up to 6159' MSL.
Terrain, tree beginning 1.2 NM from DER, 110' right of centerline, up to 6182' MSL.
Terrain beginning 1.2 NM from DER, 51' left of centerline, up to 6090' MSL.
Terrain, tree beginning 1.2 NM from DER, 272' right of centerline, up to 6201' MSL.
Terrain beginning 1.3 NM from DER, 91' left of centerline, up to 6109' MSL.
Terrain, tree beginning 1.3 NM from DER, 69' right of centerline, up to 6214' MSL.
Terrain beginning 1.3 NM from DER, 132' left of centerline, up to 6119' MSL.
Terrain, tree beginning 1.3 NM from DER, 29' right of centerline, up to 6237' MSL.
Terrain beginning 1.4 NM from DER, 190' right of centerline, up to 6257' MSL.
Terrain beginning 1.4 NM from DER, 11' left of centerline, up to 6126' MSL.
Terrain beginning 1.4 NM from DER, 150' right of centerline, up to 6264' MSL.
Terrain beginning 1.5 NM from DER, 109' right of centerline, up to 6267' MSL.
Terrain beginning 1.5 NM from DER, 52' left of centerline, up to 6139' MSL.
Terrain beginning 1.5 NM from DER, 271' right of centerline, up to 6277' MSL.
Terrain beginning 1.6 NM from DER, 93' left of centerline, up to 6159' MSL.
Terrain beginning 1.6 NM from DER, 295' left of centerline, up to 6195' MSL.
Terrain beginning 1.6 NM from DER, 27' right of centerline, up to 6280' MSL.
Terrain beginning 1.6 NM from DER, 134' left of centerline, up to 6211' MSL.
Terrain beginning 1.6 NM from DER, 2037' left of centerline, up to 6254' MSL.
Terrain beginning 1.7 NM from DER, 174' left of centerline, up to 6270' MSL.
Terrain beginning 1.7 NM from DER, 13' left of centerline, up to 6296' MSL.
Terrain beginning 1.7 NM from DER, 148' right of centerline, up to 6296' MSL.
Terrain beginning 1.8 NM from DER, 215' left of centerline, up to 6313' MSL.
Terrain beginning 1.8 NM from DER, 1552' left of centerline, up to 6336' MSL.
Terrain beginning 1.8 NM from DER, 1754' left of centerline, up to 6359' MSL.
Terrain beginning 1.8 NM from DER, 310' right of centerline, up to 6333' MSL.
Terrain beginning 1.8 NM from DER, 1390' left of centerline, up to 6375' MSL.
Terrain beginning 1.8 NM from DER, 1593' left of centerline, up to 6395' MSL.
Terrain beginning 1.8 NM from DER, 835' right of centerline, up to 6359' MSL.
Terrain beginning 1.9 NM from DER, 1795' left of centerline, up to 6408' MSL.
Terrain beginning 1.9 NM from DER, 1269' left of centerline, up to 6421' MSL.
Terrain beginning 2 NM from DER, 1310' left of centerline, up to 6441' MSL.
Terrain beginning 2 NM from DER, 664' left of centerline, up to 6447' MSL.

BLANDING, UT

BLANDING MUNI (BDG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 29DEC22 (22363) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-1⅛ w/min. climb of 290' per NM to 6800, or 4700-5 for VCOA.

DEPARTURE PROCEDURE:

Rwy 17, climbing left turn heading 090° to intercept DVC R-223 to DVC VORTAC, continue climb to MEA of intended route.

Rwy 35, climbing right turn heading 035° to intercept DVC R-237 to DVC VORTAC, continue climb to MEA of intended route.

VCOA:

Rwy 35, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Blanding Muni airport at or above 10400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, vegetation 131' from DER, 100' left of centerline, 5778' MSL.
Pole 611' from DER, 266' left of centerline, 25' AGL/5791' MSL.
Pole 620' from DER, 561' right of centerline, 27' AGL/5791' MSL.
Pole beginning 721' from DER, 467' right of centerline, up to 35' AGL/5798' MSL.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

BLANDING, UT (CON'T)

BLANDING MUNI (BDG) (CON'T)

Rwy 35, vegetation, fence beginning 148' from DER, 247' right of centerline, up to 5880' MSL.
Vehicle on road 173' from DER, 197' left of centerline, 5879' MSL.
Tree, terrain beginning 276' from DER, 262' right of centerline, up to 5883' MSL.
Tree, terrain, vehicle on road beginning 432' from DER, 16' right of centerline, up to 5887' MSL.
Vehicle on road 467' from DER, 187' left of centerline, 5880' MSL.
Vehicle on road 516' from DER, 37' left of centerline, 5882' MSL.
Terrain, vehicle on road beginning 670' from DER, 194' right of centerline, up to 5889' MSL.
Vehicle on road, terrain beginning 822' from DER, 363' right of centerline, up to 5893' MSL.
Tree 1382' from DER, 822' right of centerline, 5909' MSL.
Tree 2261' from DER, 1018' right of centerline, 5928' MSL.
Trees beginning 2447' from DER, 1114' right of centerline, up to 5942' MSL.
Pole 3149' from DER, 1300' right of centerline, 30' AGL/5956' MSL.
Pole, building beginning 3242' from DER, 836' right of centerline, up to 46' AGL/5971' MSL.
Tree 3651' from DER, 790' left of centerline, 5971' MSL.
Pole, tree beginning 3889' from DER, 609' left of centerline, up to 33' AGL/5980' MSL.
Pole beginning 3988' from DER, 65' right of centerline, up to 32' AGL/5975' MSL.
Windmill, pole beginning 4135' from DER, 10' left of centerline, up to 5986' MSL.
Pole, tree beginning 4174' from DER, 299' left of centerline, up to 36' AGL/5990' MSL.
Pole 4199' from DER, 1272' right of centerline, 33' AGL/5979' MSL.
Pole 4426' from DER, 1361' right of centerline, 34' AGL/5982' MSL.
Pole 4467' from DER, 619' left of centerline, 29' AGL/5992' MSL.
Pole 4492' from DER, 1264' right of centerline, 34' AGL/5984' MSL.
Tree 4558' from DER, 739' left of centerline, 5998' MSL.
Stadium, pole beginning 4594' from DER, 323' left of centerline, up to 6016' MSL.
Pole beginning 4723' from DER, 1256' right of centerline, up to 32' AGL/5988' MSL.
Pole 5080' from DER, 1356' right of centerline, 32' AGL/5996' MSL.
Pole, tree beginning 5484' from DER, 370' left of centerline, up to 33' AGL/6019' MSL.
Pole beginning 5494' from DER, 83' left of centerline, up to 37' AGL/6022' MSL.
Tree 5561' from DER, 349' right of centerline, 6015' MSL.
Tree, building beginning 5757' from DER, 189' left of centerline, up to 6026' MSL.
Tree 1.1 NM from DER, 310' left of centerline, 6042' MSL.
Building 1.1 NM from DER, 1517' right of centerline, 61' AGL/6054' MSL.
Tower, pole beginning 1.2 NM from DER, 389' left of centerline, up to 65' AGL/6090' MSL.
Tower 1.3 NM from DER, 104' right of centerline, 40' AGL/6070' MSL.
Tower 1.3 NM from DER, 665' right of centerline, 66' AGL/6092' MSL.
Trees beginning 1.5 NM from DER, 0' right of centerline, up to 6122' MSL.
Tree 1.5 NM from DER, 159' left of centerline, 6114' MSL.
Tree 1.6 NM from DER, 406' left of centerline, 6116' MSL.
Trees beginning 1.6 NM from DER, 118' left of centerline, up to 6130' MSL.
Trees beginning 1.6 NM from DER, 45' right of centerline, up to 6142' MSL.
Trees beginning 1.6 NM from DER, 28' right of centerline, up to 6145' MSL.
Tree 1.9 NM from DER, 43' right of centerline, 6175' MSL.
Tree 2 NM from DER, 712' left of centerline, 6182' MSL.
Tree 2 NM from DER, 912' right of centerline, 6189' MSL.

BOULDER CITY, NV

BOULDER CITY MUNI (BVU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05DEC19 (19339) (FAA)

TAKEOFF MINIMUMS:
Rwy 33, NA – Obstacles.
Rwy 9, std. w/min. climb of 280' per NM to 3700 or 2000-3 for VCOA.
Rwy 15, std. w/min. climb of 285' per NM to 3900 or 2000-3 for VCOA.
Rwy 27, std. w/min. climb of 450' per NM to 3000 or 2000-3 for VCOA.
DEPARTURE PROCEDURE:
Rwy 9, climbing right turn on heading 180° thence...
Rwy 15, climbing left turn on heading 140° thence...
Rwy 27, climbing left turn on heading 140°. Do not exceed 200 KIAS until turn completion, thence...
... intercept BLD VORTAC R-150, continue climb to 7600 on BLD VORTAC R-150 to LYNSY INT/BLD 21 DME.
VCOA:
Rwys 9, 15, 27, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross BLD VORTAC southeast bound at or above 4100 then on BLD VORTAC R-150 to LYNSY INT/BLD 21 DME.
TAKEOFF OBSTACLE NOTES:
Rwy 9, sign 124' from DER, 351' left of centerline, 4' AGL/2151' MSL.
Terrain, vegetation beginning 164' from DER, 198' left of centerline, up to 2155' MSL.
Vegetation, terrain beginning 401' from DER, 396' left of centerline, up to 3' AGL/2160' MSL.
Buildings, tanks beginning 776' from DER, 561' left of centerline, up to 25' AGL/2188' MSL.
Building 1116' from DER, 791' left of centerline, 25' AGL/2190' MSL.
Tree 1235' from DER, 593' left of centerline, 33' AGL/2198' MSL.
Trees beginning 1319' from DER, 348' left of centerline, up to 32' AGL/2200' MSL.
Trees, buildings, pole beginning 1523' from DER, 360' left of centerline, up to 38' AGL/2211' MSL.
Trees beginning 1791' from DER, 751' left of centerline, up to 46' AGL/2220' MSL.
CON'T

BOULDER CITY, NV (CON'T)

BOULDER CITY MUNI (BVU) (CON'T)

Rwy 9 (CON'T), trees beginning 1956' from DER, 294' left of centerline, up to 48' AGL/2221' MSL.
Catenaries beginning 2205' from DER, 1083' left of centerline, up to 79' AGL/2259' MSL.
Catenaries, transmission lines beginning 3391' from DER, 208' left of centerline, up to 76' AGL/2267' MSL.
Transmission line, catenary beginning 3730' from DER, 3' right of centerline, up to 98' AGL/2254' MSL.
Tower 3984' from DER, 227' right of centerline, 118' AGL/2275' MSL.
Transmission line 3989' from DER, 228' right of centerline, 119' AGL/2276' MSL.
Tower 5076' from DER, 1016' left of centerline, 112' AGL/2301' MSL.
Tower 5545' from DER, 1916' left of centerline, 110' AGL/2330' MSL.
Rwy 15, terrain 3' from DER, 395' left of centerline, 2103' MSL.
Terrain, vertical point beginning 3' from DER, 112' left of centerline, up to 2105' MSL.
Rwy 27, terrain 5' from DER, 395' right of centerline, 2119' MSL.
Terrain, sign, buildings beginning 15' from DER, 187' right of centerline, up to 2121' MSL.
Fence, tree beginning 206' from DER, 170' right of centerline, up to 2' AGL/2123' MSL.

BRIGHAM CITY, UT

BRIGHAM CITY RGNL (BMC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 15JUN23 (23166) (FAA)

DEPARTURE PROCEDURE:
Use OGDEN DEPARTURE.

TAKEOFF OBSTACLE NOTES:
Rwy 17, pole, vehicle on road beginning 265' from DER, 559' right of centerline, up to 33' AGL/4259' MSL.
Pole 1063' from DER, 720' right of centerline, 36' AGL/4260' MSL.
Poles beginning 1494' from DER, 588' right of centerline, up to 50' AGL/4274' MSL.
Pole 2216' from DER, 1084' right of centerline, 82' AGL/4305' MSL.
Rwy 35, pole 9' from DER, 29' right of centerline, 6' AGL/4231' MSL.

BRYCE CANYON, UT

BRYCE CANYON (BCE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10MAR11 (11069) (FAA)

DEPARTURE PROCEDURE:
Use BRYCE DEPARTURE.

BULLHEAD CITY, AZ

LAUGHLIN/BULLHEAD INTL (IFP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 02MAR17 (17061) (FAA)

TAKEOFF MINIMUMS:
Rwy 16, standard w/min. climb of 285' per NM to 1700, or 1700-3 for VCOA.
Rwy 34, standard w/min. climb of 500' per NM to 5500, or 1700-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 16, climb on heading 164° and EED VORTAC R-331 to EED VORTAC.
Rwy 34, climb on heading 344° to 2200, then climbing right turn direct EED VORTAC. All aircraft climb in EED VORTAC holding pattern (E, right turns, 257° inbound) to cross EED VORTAC at or above MEA for direction of flight before proceeding on course.

VCOA:
Rwy 16, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Laughlin/Bullhead Intl airport at or above 2300, then continue climbing on heading 155 and EED VORTAC R-335 to EED VORTAC.
Rwy 34, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Laughlin/Bullhead Intl airport at or above 2300, then continue climbing on heading 155 and EED VORTAC R-335 to EED VORTAC.

TAKEOFF OBSTACLE NOTES:
Rwy 16, grd 188' from DER, 83' left of centerline, 715' MSL.
Bush 349' from DER, 516' right of centerline, 722' MSL.
Grd 390' from DER, 528' left of centerline, 719' MSL.
Grd beginning 484' from DER, 481' left of centerline, up to 723' MSL.
Bush 532' from DER, 642' right of centerline, 727' MSL.
Grd beginning 568' from DER, 490' left of centerline, up to 727' MSL.
Bush 700' from DER, 663' right of centerline, 728' MSL.
Grd 798' from DER, 466' left of centerline, 729' MSL.
Bush, grd beginning 801' from DER, 541' left of centerline, up to 734' MSL.
Tree, bush, grd beginning 910' from DER, 557' left of centerline, up to 745' MSL.
Bush, grd beginning 1103' from DER, from 204' right to 1008' left of centerline, up to 777' MSL.
Grd, bush beginning 2134' from DER, 731' left of centerline, up to 778' MSL.
Grd, bush beginning 2214' from DER, 870' left of centerline, up to 786' MSL.
Grd beginning 2288' from DER, 801' left of centerline, up to 792' MSL.
Grd, tree beginning 2328' from DER, 724' left of centerline, up to 797' MSL.
Grd beginning 2811' from DER, 1128' left of centerline, up to 798' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

BULLHEAD CITY, AZ (CON'T)

LAUGHLIN/BULLHEAD INTL (IFP) (CON'T)

Rwy 16 (CON'T), grd beginning 2915' from DER, 1166' left of centerline, up to 800' MSL.
Grd beginning 3022' from DER, 1185' left of centerline, up to 804' MSL.
Grd beginning 3123' from DER, 1221' left of centerline, up to 809' MSL.
Grd beginning 3219' from DER, 1257' left of centerline, up to 814' MSL.
Grd beginning 3325' from DER, 1284' left of centerline, up to 818' MSL.
Grd beginning 3428' from DER, 1210' left of centerline, up to 821' MSL.
Grd beginning 3528' from DER, 1241' left of centerline, up to 824' MSL.
Grd, bush, tank beginning 3632' from DER, 1157' left of centerline, up to 825' MSL.
Tank 4810' from DER, 1528' left of centerline, 848' MSL.
Grd 5412' from DER, 1872' left of centerline, 852' MSL.
Grd, bushes beginning 5511' from DER, 926' left of centerline, up to 865' MSL.
Bushes beginning 5742' from DER, 1483' left of centerline, up to 883' MSL.
Grd, bushes beginning 5774' from DER, 793' left of centerline, up to 891' MSL.
Bush 5852' from DER, 1933' left of centerline, 904' MSL.
Grd, pole, bushes beginning 5856' from DER, 24' left of centerline, up to 920' MSL.
Trees, bushes, grd, tank beginning 1.2 NM from DER, left and right of centerline, up to 962' MSL.
Trees, bushes, grd beginning 1.3 NM from DER, 1' left of centerline, up to 985' MSL.
Bush 1.4 NM from DER, 1941' left of centerline, 993' MSL.
Bushes, grd, tank, pole beginning 1.5 NM from DER, 1919' left of centerline, up to 1036' MSL.
Bushes, vehicles on road, trees, pole beginning 1.9 NM from DER, 2218' left of centerline, up to 1086' MSL.
Tanks, bushes, pole beginning 2.2 NM from DER, 3103' left of centerline, up to 1121' MSL.
Rwy 34, airfield light 40' from DER, 148' right of centerline, 627' MSL.
T-l twr, tree beginning 1818' from DER, 620' right of centerline, up to 65' AGL/687' MSL.
Pole, tree beginning 2214' from DER, 629' right of centerline, up to 709' MSL.
Pole, tree beginning 2638' from DER, 646' right of centerline, up to 719' MSL.
Pole, bushes, grd beginning 3054' from DER, 663' right of centerline, up to 741' MSL.
Pole, bush, bldg, grd, vehicles on road beginning 3661' from DER, 691' right of centerline, up to 773' MSL.
Poles, bushes, grd, vehicles on road, trees, bldgs, flagpole beginning 4024' from DER, 705' right of centerline, up to 796' MSL.
Comm twr 5197' from DER, 1015' right of centerline, 816' MSL.
Comm twr 5278' from DER, 1149' right of centerline, 821' MSL.
T-l twr 1.6 NM from DER, 719' left of centerline, 894' MSL.
Grd beginning 1.8 NM from DER, 3419' right of centerline, up to 963' MSL.
Grd 2.1 NM from DER, 3212' right of centerline, 1018' MSL.
Grd, tree beginning 2.2 NM from DER, 1351' right of centerline, up to 1079' MSL.
Grd 2.6 NM from DER 3025' right of centerline, 2010' MSL.

CARSON CITY, NV

CARSON CITY (CXP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20NOV08 (21112) (FAA)

TAKEOFF MINIMUMS:
Rwy 27, NA - Obstacles.
DEPARTURE PROCEDURE:
Rwy 9, use JIMPA DEPARTURE.

CASA GRANDE, AZ

CASA GRANDE MUNI (CGZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1B 06FEB14 (14037) (FAA)

TAKEOFF MINIMUMS:
Rwy 5, 300-1 or std. w/ min. climb of 354' per NM to 1700.
DEPARTURE PROCEDURE:
Rwy 5, climbing right turn direct TFD VORTAC, thence...
Rwy 23, climb direct TFD VORTAC, thence...
...continue climb in holding pattern (SW, right turns, 048° inbound) to MEA for direction of flight.
TAKEOFF OBSTACLE NOTES:
Rwy 5, pole 4034' from DER, 805' left of centerline, 109' AGL/1593' MSL.

CEDAR CITY, UT

CEDAR CITY RGNL (CDC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:
Rwy 8, 4200-3 for VCOA.
Rwy 20, std. w/min. climb of 290' per NM to 7300 or 4200-3 for VCOA.
Rwy 26, std. w/min. climb of 255' per NM to 7000 or 4200-3 for VCOA.
DEPARTURE PROCEDURE:
Rwys 2, 8, climbing left turn direct EHK VOR/DME, thence...

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

CEDAR CITY, UT (CON'T)

CEDAR CITY RGNL (CDC) (CON'T)

Rwys 20, 26, climbing right turn direct EHK VOR/DME, thence...
...continue climb on EHK VOR/DME R-278 until reaching the MEA/MCA for direction of flight.

VCOA:

Rwys 8, 20, 26, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Cedar City Rgnl airport at or above 9700, then proceed on EHK VOR/DME R-180 direct EHK VOR/DME, then on EHK VOR/DME R -278 until reaching the MEA/MCA for direction of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 2, sign abeam DER, 313' right of centerline, 3' AGL/5604' MSL.
Terrain and bush beginning 145' from DER, 420' right of centerline, up to 5608' MSL.
Rwy 8, terrain 3' from DER, 112' right of centerline, 5622' MSL.
Terrain 18' from DER, 221' right of centerline, 5623' MSL.
Terrain beginning 30' from DER, 178' right of centerline, up to 5624' MSL.
Terrain 122' from DER, 473' right of centerline, 5626' MSL.
Bush 125' from DER, 234' left of centerline, 5628' MSL.
Terrain 193' from DER, 491' right of centerline, 5627' MSL.
Fence and vehicles on road beginning 638' from DER, 33' right of centerline, up to 10' AGL/5639' MSL.
Vehicles on road 686' from DER, 136' right of centerline, 5640' MSL.
Vehicles on road 701' from DER, 242' right of centerline, 5641' MSL.
Transmission tower 2865' from DER, 369' right of centerline, 51' AGL/5707' MSL.
Transmission tower 2902' from DER, 260' right of centerline, 53' AGL/5710' MSL.
Pole and transmission towers beginning 2918' from DER, 70' right of centerline, up to 62' AGL/5719' MSL.
Transmission towers beginning 3004' from DER, 39' left of centerline, up to 49' AGL/5705' MSL.
Pole 3175' from DER, 564' left of centerline, 56' AGL/5710' MSL.
Rwy 20, runway light 10' from DER, 54' right of centerline, 2' AGL/5579' MSL.
Terrain 12' from DER, 98' left of centerline, 5579' MSL.
Runway light and sign beginning 31' from DER, 275' left of centerline, up to 3' AGL/5583' MSL.
Pole 941' from DER, 446' right of centerline, 34' AGL/5604' MSL.
Pole 1066' from DER, 363' right of centerline, 38' AGL/5608' MSL.
Elevator and tank beginning 2081' from DER, 1051' left of centerline, up to 105' AGL/5690' MSL.
Tree 3789' from DER, 1512' left of centerline, 5692' MSL.
Tree 4004' from DER, 1526' left of centerline, 5693' MSL.
Tree 4265' from DER, 1530' left of centerline, 5718' MSL.
Trees beginning 4278' from DER, 1546' left of centerline, up to 5721' MSL.
Trees beginning 4526' from DER, 1533' left of centerline, up to 5733' MSL.
Trees beginning 4858' from DER, 1520' left of centerline, up to 5737' MSL.
Tree 5456' from DER, 1835' left of centerline, 5748' MSL.
Building and tree beginning 5497' from DER, 1518' left of centerline, up to 21' AGL/5759' MSL.
Pole and tree beginning 5737' from DER, 1543' left of centerline, up to 20' AGL/5769' MSL.
Pole and tree beginning 5964' from DER, 1545' left of centerline, up to 20' AGL/5779' MSL.
Trees beginning 1 NM from DER, 1665' left of centerline, up to 5783' MSL.
Tree 1.2 NM from DER, 2080' left of centerline, 5800' MSL.
Trees beginning 1.2 NM from DER, 2049' left of centerline, up to 5814' MSL.
Trees beginning 1.3 NM from DER, 2107' left of centerline, up to 5836' MSL.
Trees beginning 1.3 NM from DER, 2244' left of centerline, up to 5840' MSL.
Trees beginning 1.3 NM from DER, 2048' left of centerline, up to 5849' MSL.
Trees beginning 1.3 NM from DER, 2283' left of centerline, up to 5852' MSL.
Trees beginning 1.4 NM from DER, 2301' left of centerline, up to 5871' MSL.
Tree 1.4 NM from DER, 2599' left of centerline, 5874' MSL.
Trees beginning 1.4 NM from DER, 2436' left of centerline, up to 5895' MSL.
Pole and tree beginning 1.6 NM from DER, 2822' left of centerline, up to 50' AGL/5944' MSL.
Pole 2.3 NM from DER, 3922' left of centerline, 34' AGL/5952' MSL.
Rwy 26, sign 71' from DER, 167' right of centerline, 6' AGL/5584' MSL.
Pole 1375' from DER, 319' left of centerline, 44' AGL/5614' MSL.

CHANDLER, AZ

CHANDLER MUNI (CHD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 18SEP14 (14261) (FAA)

DEPARTURE PROCEDURE:

Rwys 4L/R, climbing left turn heading 220° to intercept TFD VORTAC R-350 southbound to TFD VORTAC.
Rwys 22L/R, climbing left turn heading 190° to intercept TFD VORTAC R-350 southbound to TFD VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 4L, antenna on building 69' from DER, 515' left of centerline, 25' AGL/1281' MSL.
Tower 981' from DER, 615' left of centerline, 80' AGL/1319' MSL.
Trees and poles beginning 1100' from DER, 458' left of centerline, up to 30' AGL/1272' MSL.
Rwy 4R, poles beginning 1298' from DER, 56' left of centerline, up to 36' AGL/1283' MSL.
Rwy 22L, tree 336' from DER, 511' right of centerline, 15' AGL/1250' MSL.
Tree 988' from DER, 756' left of centerline, 30' AGL/1266' MSL.
Rwy 22R, building 30' from DER, 441' right of centerline, 24' AGL/1254' MSL.
Vehicles beginning 199' from DER, 271' right of centerline, up to 15' AGL/1246' MSL.
Poles and trees beginning 471' from DER, 45' left of centerline, up to 36' AGL/1290' MSL.
Trees and poles beginning 1088' from DER, 50' right of centerline, up to 36' AGL/1274' MSL.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CHANDLER, AZ (CON'T)

CHANDLER MUNI (CHD) (CON'T)

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 20AUG15 (15232) (FAA)

Rwys 4L/R, 22L/R, heading as assigned by ATC.

STELLAR AIRPARK (P19)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 06DEC18 (18340) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climbing left turn heading 150° thence...

Rwy 35, climbing right turn heading 190° thence...

... Intercept TFD VORTAC R-350 southbound to TFD VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 17, pole 648' from DER, 482' left of centerline, 52' AGL/1212' MSL.

Pole 656' from DER, 190' left of centerline, 52' AGL/1213' MSL.

Poles beginning 661' from DER, 39' right of centerline, up to 34' AGL/1196' MSL.

Poles beginning 671' from DER, 420' right of centerline, up to 52' AGL/1216' MSL.

Transmission line, sign beginning 869' from DER, 288' right of centerline, up to 50' AGL/1224' MSL.

Sign 906' from DER, 260' left of centerline, 42' AGL/1214' MSL.

Rwy 35, pole 72' from DER, 357' left of centerline, 30' AGL/1208' MSL.

Building 777' from DER, 300' right of centerline, 30' AGL/1218' MSL.

Building 1282' from DER, 767' right of centerline, 45' AGL/1233' MSL.

CLIFTON/MORENCI, AZ

GREENLEE COUNTY (CFT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

DEPARTURE PROCEDURE:

Use SAN SIMON DEPARTURE.

COLORADO CITY, AZ

COLORADO CITY MUNI (AZC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 25JAN24 (24025) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, NA-Obstacles.

DEPARTURE PROCEDURE:

Rwys 11, 20, 29, use NORRA (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 11, vegetation, trees beginning 16' from DER, 213' left of centerline, up to 4861' MSL.

Rwy 20, tree 27' from DER, 275' left of centerline, 4843' MSL.

Vegetation 45' from DER, 26' right of centerline, 4843' MSL.

Vehicles on road beginning 67' from DER, 389' left of centerline, up to 4853' MSL.

Tree 1.8 NM from DER, 2971' right of centerline, 5118' MSL.

Rwy 29, sign, tree beginning 15' from DER, 123' right of centerline, up to 5' AGL/4850' MSL.

Vegetation 60' from DER, 46' left of centerline, 4849' MSL.

COOLIDGE, AZ

COOLIDGE MUNI (P08)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10OCT96 (96284) (FAA)

DEPARTURE PROCEDURE:

Rwys 5, 35, climbing left turn heading 280° to intercept TFD R-063, then via R-063 to TFD VORTAC before proceeding on course.

Rwy 17, climbing right turn heading 240° to intercept TFD R-090, then via R-090 to TFD VORTAC before proceeding on course.

Rwy 23, climb runway heading to intercept TFD R-090, then via R-090 to TFD VORTAC before proceeding on course.

COTTONWOOD, AZ

COTTONWOOD (P52)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 26MAY16 (16147) (FAA)

DEPARTURE PROCEDURE:

Use MINGY DEPARTURE.

DAVIS-MONTHAN AFB (KDMA)
TUCSON, AZ
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 05SEP24 (24249) (USAF)
DEPARTURE PROCEDURE:
Rwy 13, climb to 5700 and track 125°, intercept DMA R-122 to WUDAR (DMA R-122/16 DME) expect RADAR vectors.
Rwy 31, climb to 5500 and track 308°, intercept DMA R-313 to OTUKE (DMA R-313/16.4 DME) expect RADAR vectors.
TAKEOFF OBSTACLE NOTES:
Rwy 13, terrain 0' from DER, 500' left of centerline, 2707' MSL.
Rwy 31, terrain 0' from DER, 500' right of centerline, 2592' MSL.
Terrain 0' from DER, 484' right of centerline, 2592' MSL.

DELTA, UT
DELTA MUNI (DTA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 02DEC21 (21336) (FAA)
DEPARTURE PROCEDURE:
Use DELTA DEPARTURE.
TAKEOFF OBSTACLE NOTES:
Rwy 17, lighting beginning 41' from DER, 76' right of centerline, 3' AGL/4754' MSL.
Tree 609' from DER, 596' right of centerline, 4780' MSL.
Rwy 35, vegetation, lighting beginning 9' from DER, 77' right of centerline, up to 4763' MSL.
Vegetation 47' from DER, 349' left of centerline, 4763' MSL.
Fence 76' from DER, 390' right of centerline, 10' AGL/4769' MSL.
Vehicles on road 177' from DER, 477' right of centerline, 4770' MSL.
Vehicles on road 227' from DER, 458' right of centerline, 4771' MSL.

DOUGLAS BISBEE, AZ
BISBEE- DOUGLAS INTL (DUG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09FEB12 (12040) (FAA)
DEPARTURE PROCEDURE:
Rwys 8, 17, climbing right turn on heading 330° to intercept DUG VORTAC R-286 to 9500.
Rwy 26, climbing right turn to intercept DUG VORTAC R-286 to 9500.
Rwy 35, climbing left turn to intercept DUG VORTAC R-286 to 9600.
TAKEOFF OBSTACLE NOTES:
Rwy 8, trees and terrain beginning 145' from DER, 51' left of centerline, up to 8' AGL/4220' MSL.
Trees and terrain beginning 22' from DER, 247' right of centerline, up to 13' AGL/4197' MSL.
Rwy 17, trees and terrain beginning 91' from DER, 76' left of centerline, up to 5' AGL/4118' MSL.
Trees and terrain beginning 12' from DER, 146' right of centerline, up to 5' AGL/4115' MSL.
Rwy 26, tree and terrain beginning 16' from DER, 233' left of centerline, up to 5' AGL/4167' MSL.
Trees and terrain beginning 17' from DER, 32' right of centerline, up to 7' AGL/4167' MSL.
Rwy 35, trees and terrain beginning 118' from DER, 15' left of centerline, up to 6' AGL/4190' MSL.
Tree and terrain beginning 75' from DER, 100' right of centerline, up to 11' AGL/4200' MSL.

DUCHESNE, UT
DUCHESNE MUNI (U69)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10OCT19 (19283) (FAA)
TAKEOFF MINIMUMS:
Rwys 8, 26, NA - Environmental.
Rwy 35, std. w/min. climb of 235' per NM to 6900 or 1100-3 for VCOA.
DEPARTURE PROCEDURE:
Rwy 17, climbing left turn direct MTU VOR/DME, thence...
Rwy 35, climbing right turn direct MTU VOR/DME, thence...
...continue climb in MTU VOR/DME holding pattern (hold northeast, right turns, 213° inbound) to cross MTU VOR/DME at or above MEA for route of flight.
VCOA:
Rwy 35, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Duchesne Muni Airport at or above 6800 then on MTU VOR/DME R-269 to MTU VOR/DME. Continue climb in MTU VOR/DME holding pattern (hold Northeast, right turns, 213° inbound) to cross MTU VOR/DME at or above MEA for route of flight.
TAKEOFF OBSTACLE NOTES:
Rwy 35, vehicles on road beginning 315' from DER, 95' right of centerline, up to 15' AGL/5844' MSL.
Vehicles on road beginning 327' from DER, 29' left of centerline, up to 15' AGL/5854' MSL.
Equipment 415' from DER, 515' left of centerline, 17' AGL/5856' MSL.
Building 876' from DER, 617' left of centerline, 30' AGL/5869' MSL.
Pole 1048' from DER, 682' left of centerline, 40' AGL/5889' MSL.

ELKO, NV

ELKO RGNL (EKO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwys 12, 30, NA-ATC.

Rwy 6, std. w/min. climb of 500' per NM to 7200, or 2000-3 for climb in visual conditions.

Rwy 24, std. w/min. climb of 390' per NM to 8400, or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 6, climb heading 057° to 6500, then climbing right turn direct BQU VOR/DME, thence. . .

Rwy 24, climb heading 237° to 6100, then climbing left turn direct BQU VOR/DME, thence. . . .

. . . .Continue climb in BQU VOR/DME holding pattern (hold south, left turns, 340° inbound) to cross BQU VOR/DME at or above MEA/MCA for route of flight.

VCOA:

Rwy 6, 24, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Elko Rgnl airport at or above 7000, then proceed to BQU VOR/DME and continue climb in BQU VOR/DME holding pattern (hold south, left turns, 340° inbound) to cross BQU VOR/DME at or above MEA/MCA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 6, OL on ltd wsk 253' from DER, 155' right of centerline, 5095' MSL.

Lt poles, beginning 277' from DER, 332' right of centerline, up to 5097' MSL.

Trees, buildings, and ants on ol buildings, beginning 676' from DER, 209' right of centerline, up to 5111' MSL.

Pole 765' from DER, 422' left of centerline, 5110' MSL.

Ols on poles, beginning 903' from DER, 435' left of centerline, up to 5130' MSL.

Trees, poles, and ols on poles, beginning 961' from DER, 130' left of centerline, up to 5207' MSL.

Ant 3007' from DER, 84' right of centerline, 5165' MSL.

Tree 3676' from DER, 251' right of centerline, 5191' MSL.

Rwy 24, vehicles on road, beginning 672' from DER, 315' right of centerline, up to 5075' MSL.

Poles, trees beginning 1179' from DER, 171' right of centerline, up to 36' AGL/5100' MSL.

Poles, beginning 1243' from DER, 663' left of centerline, up to 39' AGL/5085' MSL.

Signs, beginning 1566' from DER, 714' right of centerline, up to 5128' MSL.

Signs, elevators, silos beginning 2155' from DER, 437' right of centerline, up to 44' AGL/5132' MSL.

ELY, NV

ELY/YELLAND FLD (ELY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 30JUN11 (21168) (FAA)

DEPARTURE PROCEDURE:

Use ELY DEPARTURE.

ESCALANTE, UT

ESCALANTE MUNI (1L7)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25JAN24 (24025) (FAA)

TAKEOFF MINIMUMS:

Rwy 31, NA-Terrain.

DEPARTURE PROCEDURE:

Rwy 13, use HASSL DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 13, light poles 10' from DER, 19' left of centerline, 4' AGL/5721' MSL.

Tree 32' from DER, 353' left of centerline, 5730' MSL.

Trees beginning 67' from DER, 198' left of centerline, up to 15' AGL/5734' MSL.

Trees beginning 381' from DER, 473' left of centerline, up to 5735' MSL.

Trees beginning 703' from DER, 277' left of centerline, up to 5744' MSL.

Tree 798' from DER, 481' left of centerline, 5747' MSL.

Trees beginning 811' from DER, 336' left of centerline, up to 5752' MSL.

Trees beginning 881' from DER, 441' left of centerline, up to 5756' MSL.

Trees beginning 996' from DER, 361' left of centerline, up to 5765' MSL.

Tree, terrain beginning 1119' from DER, 509' left of centerline, up to 5772' MSL.

Tree, vehicles on road beginning 1228' from DER, 160' left of centerline, up to 5774' MSL.

Trees beginning 1332' from DER, 402' left of centerline, up to 5775' MSL.

Transmission lines, trees, vehicle on road beginning 1439' from DER, 208' left of centerline, up to 5786' MSL.

EUREKA, NV

EUREKA (05U)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 22AUG13 (13234) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, NA-Terrain.

DEPARTURE PROCEDURE:

Use MINES (RNAV) DEPARTURE.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

FALLON, NV

FALLON MUNI (FLX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwys 13, 31, NA - Environmental

DEPARTURE PROCEDURE:

Rwy 3, climbing left turn, thence...

Rwy 21, climbing right turn, thence...

... to 9300 direct HZN VORTAC, continue climb in HZN VORTAC holding pattern (hold west, left turn 075° inbound) cross HZN VORTAC at or above 9300 before proceeding on course, continue climb to MEA or assigned altitude.

TAKEOFF OBSTACLE NOTES:

Rwy 3, sign, trees beginning 9' from DER, 37' left of centerline, up to 5' AGL/3966' MSL.
Tree 121' from DER, 173' right of centerline, 3966' MSL.
Traverse way beginning 134' from DER, 357' right of centerline, up to 3972' MSL.
Trees beginning 146' from DER, 469' left of centerline, up to 6' AGL/3969' MSL.
Traverse way, tree beginning 315' from DER, 232' right of centerline, up to 3974' MSL.
Tree 1068' from DER, 199' left of centerline, 37' AGL/3995' MSL.
Trees beginning 1086' from DER, 208' left of centerline, up to 4002' MSL.
Tree 1093' from DER, 193' right of centerline, 38' AGL/3992' MSL.
Trees, pole beginning 1214' from DER, 306' left of centerline, up to 61' AGL/4018' MSL.
Trees beginning 2148' from DER, 819' left of centerline, up to 4023' MSL.
Tree 2319' from DER, 763' left of centerline, 58' AGL/4024' MSL.
Trees beginning 2960' from DER, 663' left of centerline, up to 97' AGL/4054' MSL.
Rwy 21, trees, terrain beginning 31' from DER, 150' left of centerline, up to 3969' MSL.
Traverse way 32' from DER, 497' right of centerline, 3981' MSL.
Pole 112' from DER, 397' right of centerline, 26' AGL/3991' MSL.
Tree 139' from DER, 401' left of centerline, 4' AGL/3970' MSL.
Poles, traverse way, vegetation, building beginning 149' from DER, 19' right of centerline, up to 36' AGL/4002' MSL.
Traverse way beginning 380' from DER, 308' left of centerline, up to 3984' MSL.
Traverse way beginning 525' from DER, 22' left of centerline, up to 3985' MSL.
Tree 1286' from DER, 785' right of centerline, 48' AGL/4016' MSL.
Tree 1407' from DER, 840' right of centerline, 57' AGL/4025' MSL.
Pole 1813' from DER, 798' left of centerline, 39' AGL/4013' MSL.
Tree 1896' from DER, 869' right of centerline, 76' AGL/4040' MSL.

FALLON NAS (VAN VOORHIS FLD) (KNFL)

FALLON, NV

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 21APR22 (22111) (USN)

TAKEOFF MINIMUMS:

Rwy 7, std. w/min. climb rate of 291' per NM to 9700.

Rwys 13L/R, std. w/min. climb rate of 235' per NM to 7200.

DEPARTURE PROCEDURE:

Rwys 13L/R, climb on hdg between 110° CW to 310° from DER.

Rwy 25, climb on hdg between 216° CW to 028° from DER.

Rwys 31L/R, climb on hdg between 220° CW to 025° from DER.

FILLMORE, UT

FILLMORE MUNI (FOM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 18NOV10 (10322) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, std. w/ min. climb of 250' per NM to 6200, or 1800-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 4, climbing left turn to 9600 on DTA R-141 to DTA VORTAC, climb in DTA VORTAC holding pattern (South, left turns, 004° inbound) to cross DTA VORTAC at or above MEA for route of flight or for climb in visual conditions cross Fillmore Muni airport Northwest bound at or above 6600, then climb to 9600 on DTA R-146 to DTA VORTAC. Continue climb in DTA VORTAC holding pattern (South, left turns, 004° inbound) to cross DTA VORTAC at or above MEA for route of flight.

Rwy 22, climbing right turn to 9600 on DTA R-152 to DTA VORTAC, climb in DTA VORTAC holding pattern (South, left turns, 004° inbound) to cross DTA VORTAC at or above MEA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 4, light 60' from DER, 393' left of centerline, 8' AGL/4987' MSL.
Windsock 129' from DER, 301' left of centerline, 21' AGL/5000' MSL.
Rising terrain 132' from DER, 385' right of centerline, 4989' MSL.
Fence beginning 138' from DER, 174' right of centerline, up to 15' AGL/4996' MSL.
Buildings beginning 259' from DER, 455' right of centerline, up to 13' AGL/5012' MSL.
Beacon 311' from DER, 505' left of centerline, 52' AGL/5031' MSL.
Trees beginning 333' from DER, 242' left of centerline, up to 37' AGL/5034' MSL.
Vehicle on road beginning 472' from DER, 608' left to 1093' right of centerline, up to 35' AGL/5073' MSL.
Pole 488' from DER, 620' left of centerline, 38' AGL/5037' MSL.
Windmeter, 623' from DER, 342' left of centerline, 9' AGL/5008' MSL.
Building 873' from DER, 196' left of centerline, 17' AGL/5016' MSL.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

FILLMORE, UT (CON'T)

FILLMORE MUNI (FOM) (CON'T)

Rwy 22, fence 97' from DER, 302' left of centerline, 15' AGL/4916' MSL.
Vehicle on road beginning 228' from DER, 398' left of centerline, up to 9' AGL/4928' MSL.

FLAGSTAFF, AZ

FLAGSTAFF PULLIAM (FLG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 06FEB14 (23222) (FAA)

DEPARTURE PROCEDURE:
Rwy 3, turn right, aircraft departing FLG VOR/DME R-160 CW R-175 climb on course. All others climb southbound on FLG VOR/DME R-172 to 9000, then climbing left turn direct FLG VOR/DME.
Rwy 21, turn left, aircraft departing FLG VOR/DME R-160 CW R-175 climb on course. All others climb southbound on FLG VOR/DME R-172 to 9000, then climbing left turn direct FLG VOR/DME.
TAKEOFF OBSTACLE NOTES:
Rwy 21, trees beginning 73' from DER, left and right of centerline, up to 85' AGL/7065' MSL.

FORT HUACHUCA SIERRA VISTA, AZ

SIERRA VISTA MUNI-LIBBY AAF (FHU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 13SEP18 (18256) (FAA)

TAKEOFF MINIMUMS:
Rwy 21, NA-terrain.
Rwy 26, std. w/min. climb of 335' per NM to 7300', or 2800-3 for VCOA
DEPARTURE PROCEDURE:
Rwys 3, 8, 12, climbing left turn, thence...
Rwys 26, 30, climbing right turn, thence...
...all aircraft, intercept FHU VOR/DME R-021 to TOMBS INT/FHU 12.76 DME, continue climb in TOMBS holding pattern (hold north, left turns, 201° inbound) to 9500 before proceeding on course.
VCOA:
Rwy 26, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Sierra Vista Muni-Libby AAF airport at or above 7400' MSL then intercept and proceed on FHU VOR/DME R-021 to TOMBS INT/FHU 12.76 DME. Continue climb in TOMBS holding pattern (hold north, left turns, 201° inbound) to 9500 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 3, trees 253' from DER, 130' left of centerline, 10' AGL/4595' MSL.
Tree 199' from DER, 271' right of centerline, 10' AGL/4595' MSL.
Rwy 8, reflector, 121' from DER, 174' right of centerline, 4' AGL/4603' MSL.
Rwy 12, terrain beginning 22' from DER, 93' right of centerline, up to 4639' MSL.
Rwy 26, general utility 100' from DER, 173' right of centerline, 20' AGL/4723' MSL.
General utility 101' from DER, 175' left of centerline, 26' AGL/4730' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 13NOV14 (14317) (FAA)

Rwys 3,12, heading as assigned by ATC.
Rwy 8, heading as assigned by ATC. Requires minimum climb of 300' per NM to 8600.
Rwy 26, heading as assigned by ATC. Requires minimum climb of 330' per NM to 8100.
Rwy 30, heading as assigned by ATC. Requires minimum climb of 330' per NM to 8700.

GLENDALE, AZ

GLENDALE RGNL (GEU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 24MAY18 (24249) (FAA)

DEPARTURE PROCEDURE:
Use DRAKE (RNAV) DEPARTURE.
TAKEOFF OBSTACLE NOTES:
Rwy 1, light on blast fence 4' from DER, 130' left of centerline, up to 10' AGL/1,088' MSL.
Trees beginning 124' from DER, left and right of centerline, up to 30' AGL/1,104' MSL.
Vehicles beginning 299' from DER, 80' right of centerline, up to 15' AGL/1,091' MSL.
Poles and trees beginning 400' from DER, 197' right of centerline, up to 75' AGL/1,144' MSL.
Rwy 19, trees beginning 281' from DER, 331' left of centerline, up to 33' AGL/1,060' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 15JUN23 (23166) (FAA)

Rwy 1, heading as assigned by ATC; requires min. climb of 285' per NM to 5700.
Rwy 19, heading as assigned by ATC.

GLOBE, AZ

SAN CARLOS APACHE (P13)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10APR08 (08101) (FAA)

DEPARTURE PROCEDURE:

Use IZTIR DEPARTURE.

GOODYEAR, AZ

PHOENIX GOODYEAR (GYR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 24MAY18 (18144) (FAA)

DEPARTURE PROCEDURE:

Use POTER (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 3, poles beginning 159' from DER, 267' right of centerline, up to 47' AGL/1,015' MSL.
Building 1512' from DER, 828' right of centerline, 48' AGL/1,014' MSL.
Tree 1,957' from DER, 551' right of centerline, up to 49' AGL/1,019' MSL.
Rwy 21, transmission tower 2610' from DER, 1,078' left of centerline, 125' AGL/1,047' MSL.
Transmission tower 3,190' from DER, 311' left of centerline, 112' AGL/1,031' MSL.
Pole 3,193' from DER, 308' left of centerline, 112' AGL/1,030' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 21JUL16 (16203) (FAA)

Rwy 3, 21, heading as assigned by ATC.

GRAND CANYON, AZ

GRAND CANYON NTL PARK (GCN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30AUG07 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 21, use GRAND DEPARTURE.

VALLE (40G)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 18SEP14 (14261) (FAA)

DEPARTURE PROCEDURE:

Rwy 1, Climb on a heading between 188° CW to 091° from DER.
Rwy 19, climb on a heading between 170° CW to 008° from DER.

GREEN RIVER, UT

GREEN RIVER MUNI (U34)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 11JUL24 (24193) (FAA)

DEPARTURE PROCEDURE:

Rwys 13, 31, use ADIBE (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 13, vegetation, terrain beginning 10' from DER, 6' right of centerline, up to 2' AGL/4225' MSL.
Vehicles on road beginning 46' from DER, 327' right of centerline, up to 4241' MSL.
Rwy 31, fence, light poles, vegetation, terrain beginning 1' from DER, 27' left of centerline, up to 6' AGL/4243' MSL.
Light poles 9' from DER, 26' right of centerline, 1' AGL/4235' MSL.
Vegetation beginning 34' from DER, 29' right of centerline, up to 3' AGL/4238' MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

HAWTHORNE, NV

HAWTHORNE INDUSTRIAL (HTH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14SEP17 (17257)

TAKEOFF MINIMUMS:

Rwy 15, 33, NA – ATC.

Rwy 10, 28, 4200 - 3 for VCOA.

VCOA:

Rwy 10, 28, obtain ATC approval for VCOA when requesting IFR clearance. climb in visual conditions to cross Hawthorne Industrial airport at or above 8300 then climb to 11500 on MVA R-251 to MVA VORTAC before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 10, ground beginning at DER, 53' right of centerline, up to 4232' MSL.
Ground 139' from DER, 39' right of centerline, 4234' MSL.
Ground 145' from DER, 387' right of centerline, 4236' MSL.
Bush 193' from DER, 480' right of centerline, 2' AGL/4238' MSL.
Bush 363' from DER, 576' right of centerline, 3' AGL/4242' MSL.
Bush 557' from DER, 555' right of centerline, 1' AGL/4245' MSL.
Rwy 28, ground 1' from DER, 388' left of centerline, 4183' MSL.
Bush 10' from DER, 488' left of centerline, 2' AGL/4185' MSL.

HEBER, UT

HEBER VALLEY (HCR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 15AUG19 (19227) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, 5800-5 for VCOA. VCOA NA at night.

VCOA:

Rwys 4, 22, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Heber Valley airport at or above 11300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, fence abeam DER, 301' left of centerline, 16' AGL/5647' MSL.
Pole 24' from DER, 404' left of centerline, up to 33' AGL/5659' MSL.
Bush 23' from DER, 61' left of centerline, up to 5639' MSL.
Terrain 109' from DER, 428' right of centerline, 5642' MSL.
Multiple poles, tree, beginning 200' from DER, 269' left of centerline, up to 36' AGL/5666' MSL.
Tree, fence beginning 252' from DER, 249' right of centerline, up to 5659' MSL.
Pole 319' from DER, 404' left of centerline, up to 5670' MSL.
Tree, pole beginning 662' from DER, 404' left of centerline, up to 5681' MSL.
Tree, sign, pole beginning 710' from DER, 281' left of centerline, up to 5682' MSL.
Building beginning 1066' from DER, 42' right of centerline, up to 5674' MSL.
Tree, pole beginning 1120' from DER, 181' right of centerline, up to 5689' MSL.
Tree, pole beginning 1281' from DER, 278' right of centerline, up to 5690' MSL.
Trees beginning 1773' from DER, 238' left of centerline, up to 5689' MSL.
Tree, pole beginning 1901' from DER, 399' right of centerline, up to 5708' MSL.
Tree 1909' from DER, 498' left of centerline, 5692' MSL.
Rwy 22, pole abeam DER, 292' right of centerline, 16' AGL/5592' MSL.
Fence, vegetation, terrain 13' from DER, 225' left of centerline, up to 9' AGL/5597' MSL.
Trees beginning 608' from DER, 384' right of centerline, up to 5611' MSL.
Pole 829' from DER, 474' left of centerline, 22' AGL/5605' MSL.
Pole 988' from DER, 634' left of centerline, up to 33' AGL/5617' MSL.
Tree 1672' from DER, 777' left of centerline, 5628' MSL.
Terrain beginning 1.1 NM from DER, 1752' left of centerline, up to 5964' MSL.
Tree 1.3 NM from DER, 2420' left of centerline, 5821' MSL.
Terrain, trees beginning 1.4 NM from DER, 1124' left of centerline, up to 6128' MSL.
Terrain, trees beginning 1.5 NM from DER, 372' left of centerline, up to 6411' MSL.

HILL AFB (KHIF)

OGDEN, UT

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Diverse departures NA, use RADAR vectors or published Departure Procedures (DP) for obstacle avoidance.

HUNTINGTON, UT

HUNTINGTON MUNI (69V)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 19JUL18 (18200) (FAA)

TAKEOFF MINIMUMS:

Rwys 12, 18, 26, 30, 36, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 8, climbing left turn direct PUC VOR/DME...
...continue climb in PUC VOR/DME holding pattern (hold south, RT, 009° inbound) to MEA for direction of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 8, tree 2663' from DER, 922' left of centerline, 40' AGL/5979' MSL.

KANAB, UT

KANAB MUNI (KNB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11FEB10 (10042) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. with min. climb of 742' per NM to 6600, or 1100-3 with min. climb of 535' per NM to 6900, or 2400-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 19, climb heading 171° to 6800 before turning.

Rwy 1, climb heading 006° to 6100 before turning, or for climb in visual conditions, cross Kanab Muni airport at or above 7100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, vent on building 554' from DER, 370' left of centerline, 16' AGL/4884' MSL.
Trees beginning 1138' from DER, 302' left of centerline, up to 100' AGL/5939' MSL.
Rising terrain and trees beginning 1.68 NM from DER, 247' right of centerline, up to 100' AGL/5239' MSL.
Rising terrain and trees beginning 1.76 NM from DER, 766' left of centerline, up to 100' AGL/5599' MSL.
Rising terrain beginning 3.5 NM from DER, left and right of centerline, up to 6359' MSL.
Rwy 19, trees beginning 271' from DER, 506' right of centerline, up to 100' AGL/4899' MSL.

KINGMAN, AZ

KINGMAN (IGM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 16JUL20 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwys 3, 35, 2000-2 or std. w/min. climb of 275' per NM to 5500.
Rwys 17, 21, NA.

DEPARTURE PROCEDURE:

Climb northbound on IGM R-010 until reaching 6000; reverse course to the left and continue climb to 9000 direct to IGM. If unable to cross IGM at 9000 continue climb in IGM holding pattern (SW, left turns, 027° inbound).

TAKEOFF OBSTACLE NOTES:

Rwy 3, terrain and vegetation beginning 171' from DER, 264' right of centerline, up to 3402' MSL.
Rwy 35, terrain beginning 32' from DER, 172' right of centerline, up to 3363' MSL.
Fence 306' from DER, 392' right of centerline, 6' AGL/3368' MSL.
Traverse way 441' from DER, 274' right of centerline, up to 15' AGL/3372' MSL.

LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

YUMA, AZ

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (25135) (USA)

TAKEOFF MINIMUMS:

Rwy 6, std w/min climb of 284' per NM to 2700.
Rwy 18, std w/min climb of 248' per NM to 1200.
Rwy 36, 300-2 or std w/min climb of 222' per NM to 1200.

DEPARTURE PROCEDURE:

Rwys 6, 18, 36, climbing right turn to 3600, intercept BZA VORTAC R-055 to BZA. Do not exceed 240K until intercepting BZA R-055.
Rwy 24, climb to 3600 direct to BZA VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 6, terrain 0' from DER, 500' left of centerline 426' MSL.
Berm 206' from DER, 171' left of centerline 441' MSL.
Berm 273' from DER, 137' right of centerline 435' MSL.
Berm 812' from DER, 260' left of centerline 459' MSL.
Berm 871' from DER, 130' left of centerline, 447' MSL.
Rwy 24, road 196' from DER, 152' left of centerline, 379' MSL.
Rwy 36, terrain, vegetation, 1 NM from DER, 720' right of centerline, 60' AGL/579' MSL.
Antenna 1.5 NM from DER, 55' right of centerline, 90' AGL/638' MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

LAKE HAVASU CITY, AZ

LAKE HAVASU CITY (HII)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 31MAY12 (12152) (FAA)

TAKEOFF MINIMUMS:

Rwy 14, std. w/min. climb of 465' per NM to 4800, or 1500-3 for climb in visual conditions.

Rwy 32, 600-1¾ w/min. climb of 492' per NM to 1100, or 1500-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 14, climbing right turn heading 300° to intercept EED VORTAC R-155 to EED VORTAC, continue climb in EED VORTAC holding pattern (East, right turns, 257° inbound) to cross EED VORTAC at or above 6100 before proceeding on course or ...

Rwy 32, climbing left turn heading 290° to intercept EED VORTAC R-155 to EED VORTAC, continue climb in EED VORTAC holding pattern (East, right turns, 257° inbound) to cross EED VORTAC at or above 6100 before proceeding on course or. ..

Rwys 14, 32, ... For climb in visual conditions: cross Lake Havasu City airport northwest bound at or above 2300, then Intercept EED VORTAC R-138 to EED VORTAC, continue climb in EED VORTAC holding pattern (East, right turns, 257° inbound) to cross EED VORTAC at or above 6100 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 14, pole 3327' from DER, 46' right of centerline, 107' AGL/868' MSL.
Poles 3468' from DER, 195' left of centerline, up to 107' AGL/890' MSL.
Trees/bushes 976' from DER, 380' left of centerline, up to 46' AGL/829' MSL.
Terrain 143' from DER, 346' left of centerline, up to 804' MSL.
Rwy 32, trees 1544' from DER, 416' right of centerline, up to 44' AGL/793' MSL.

LAS VEGAS, NV

HARRY REID INTL (LAS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 17AUG17 (23138) (FAA)

TAKEOFF MINIMUMS:

Rwy 1L, 300-1 or std. w/min. climb of 269' per NM to 2300.
Rwy 19L, std. w/min. climb of 256' per NM to 3400.
Rwy 19R, std. w/min. climb of 242' per NM to 3400.
Rwy 26L, 300-2¼ or std. w/min. climb of 214' per NM to 2400.
Rwy 26R, 400-2½ or std. w/min. climb of 270' per NM to 2400.

DEPARTURE PROCEDURE:

Rwys 1L/R, climbing right turn direct BLD VORTAC before proceeding on course.
Rwys 8L/R, climb heading 079° to 3700, then climbing right turn direct BLD VORTAC before proceeding on course.
Rwys 19L/R, climb heading 194° to 2800, then climbing left turn heading 120° and BLD R-257 to BLD VORTAC before proceeding on course.
Rwys 26L/R, climb heading 259° to 2800, then climbing right turn direct BLD VORTAC before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1L, REIL 23' from DER, 153' left of centerline, 3' AGL/2090' MSL.
Sign 1037' from DER, 695' left of centerline, 41' AGL/2125' MSL.
Building 1556' from DER, 552' left of centerline, 2129' MSL.
Building 1779' from DER, 649' left of centerline, 2147' MSL.
Buildings beginning 1907' from DER, 186' left of centerline, up to 2150' MSL.
Buildings beginning 1977' from DER, 214' left of centerline, up to 2150' MSL.
Buildings beginning 2095' from DER, 275' left of centerline, up to 83' AGL/2153' MSL.
Buildings beginning 3953' from DER, 1397' left of centerline, up to 162' AGL/2226' MSL.
Building 4126' from DER, 1090' left of centerline, 2229' MSL.
Building 4542' from DER, 1400' left of centerline, 183' AGL/2240' MSL.
Building 4604' from DER, 1367' left of centerline, 186' AGL/2243' MSL.
Rwy 1R, building 609' from DER, 538' right of centerline, 28' AGL/2095' MSL.
Sign 1336' from DER, 447' right of centerline, 60' AGL/2122' MSL.
Rwy 8L, pole 744' from DER, 442' right of centerline, 30' AGL/2057' MSL.
Tree 758' from DER, 168' right of centerline, 2068' MSL.
Tree 767' from DER, 589' left of centerline, 2060' MSL.
Tree 850' from DER, 184' left of centerline, 2067' MSL.
Trees beginning 886' from DER, 371' right of centerline, up to 2074' MSL.
Rwy 8R, tower 1457' from DER, 848' right of centerline, 64' AGL/2097' MSL.
Rwy 19L, railroad, pole beginning 952' from DER, 322' left of centerline, up to 2215' MSL.
Railroad 1043' from DER, 178' left of centerline, 2218' MSL.
Railroad, pole beginning 1122' from DER, 19' left of centerline, up to 2219' MSL.
Railroad 1166' from DER, 75' right of centerline, 2220' MSL.
Railroad 1219' from DER, 235' right of centerline, 2222' MSL.
Railroad 1230' from DER, 281' right of centerline, 2223' MSL.
Pole 1234' from DER, 178' left of centerline, 2221' MSL.
Railroad 1241' from DER, 351' right of centerline, 2224' MSL.
Railroad 1246' from DER, 489' right of centerline, 2225' MSL.
Railroad, pole beginning 1247' from DER, 11' right of centerline, up to 2226' MSL.
Poles, tree, vehicles on road, sign, parking lot beginning 1392' from DER, 115' right of centerline, up to 36' AGL/2238' MSL.
Tree, pole beginning 1410' from DER, 9' left of centerline, up to 2232' MSL.
Tree 1819' from DER, 124' left of centerline, 2236' MSL.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NV (CON'T)

HARRY REID INTL (LAS) (CON'T)

Rwy 19L (CON'T), pole, tree, vehicles on road beginning 1824' from DER, 9' right of centerline, up to 34' AGL/2242' MSL.
Pole 1933' from DER, 623' right of centerline, 34' AGL/2243' MSL.
Pole, tree beginning 1936' from DER, 55' right of centerline, up to 36' AGL/2245' MSL.
Pole, tree, parking lot beginning 2036' from DER, 386' right of centerline, up to 35' AGL/2246' MSL.
Pole, parking lot, tree, vehicles on road beginning 2133' from DER, 183' right of centerline, up to 36' AGL/2247' MSL.
Sign, tree, parking lot, vehicles on road, pole, building beginning 2179' from DER, 27' right of centerline, up to 2256' MSL.
Pole 2229' from DER, 578' left of centerline, 2238' MSL.
Poles beginning 2332' from DER, 583' left of centerline, up to 2240' MSL.
Sign, tree, pole, parking lot, building beginning 2381' from DER, 53' right of centerline, up to 41' AGL/2257' MSL.
Building, tree, pole beginning 2466' from DER, 591' right of centerline, up to 38' AGL/2258' MSL.
Building, tree, poles, utility box beginning 2505' from DER, 157' right of centerline, up to 38' AGL/2259' MSL.
Pole, building beginning 2738' from DER, 20' left of centerline, up to 2251' MSL.
Building, tree beginning 2739' from DER, 1134' right of centerline, up to 57' AGL/2279' MSL.
Building, tree beginning 2766' from DER, 869' right of centerline, up to 57' AGL/2280' MSL.
Building, tree beginning 2822' from DER, 1006' right of centerline, up to 58' AGL/2281' MSL.
Buildings, tree, poles beginning 2861' from DER, 665' right of centerline, up to 59' AGL/2282' MSL.
Buildings, pole beginning 3418' from DER, 884' right of centerline, up to 61' AGL/2284' MSL.
Building, pole beginning 3515' from DER, 424' right of centerline, up to 59' AGL/2287' MSL.
Sign 5292' from DER, 1688' right of centerline, 55' AGL/2309' MSL.
Building, pole beginning 5596' from DER, 1758' left of centerline, up to 110' AGL/2334' MSL.
Communication tower 5717' from DER, 781' right of centerline, 80' AGL/2327' MSL.
Building 2 NM from DER, 2897' left of centerline, 236' AGL/2491' MSL.
Buildings beginning 2 NM from DER, 2936' left of centerline, up to 241' AGL/2494' MSL.
Rwy 19R, ground 60' from DER, 475' right of centerline, 2186' MSL.
Ground 151' from DER, 529' right of centerline, 2190' MSL.
Building 194' from DER, 444' right of centerline, 9' AGL/2199' MSL.
NAVAID 262' from DER, 408' right of centerline, 14' AGL/2206' MSL.
Vehicles on road, ground, control box beginning 348' from DER, 42' right of centerline, up to 2208' MSL.
Pole, vehicles on road beginning 503' from DER, 434' right of centerline, up to 2218' MSL.
Pole, sign, vehicles on road, flag pole, fence beginning 592' from DER, 277' right of centerline, up to 37' AGL/2234' MSL.
Signs, parking lot, vehicles on road, building, pole, tree beginning 844' from DER, 266' right of centerline, up to 41' AGL/2240' MSL.
Tower, fence, vehicles on road, sign beginning 961' from DER, 175' right of centerline, up to 41' AGL/2243' MSL.
T-L tower, vehicles on road, railroad, pole, railroad crossing signal control box, parking lot beginning 1132' from DER, 8' right of centerline, up to 47' AGL/2249' MSL.
Railroad 1219' from DER, 701' left of centerline, 2222' MSL.
Railroad 1230' from DER, 656' left of centerline, 2223' MSL.
Railroad 1240' from DER, 585' left of centerline, 2224' MSL.
Railroad 1246' from DER, 448' left of centerline, 2225' MSL.
Railroad, pole beginning 1247' from DER, 76' left of centerline, up to 2226' MSL.
Poles, tree, vehicles on road, sign beginning 1392' from DER, 15' left of centerline, up to 36' AGL/2238' MSL.
Poles, tree, parking lot, building beginning 1726' from DER, 11' right of centerline, up to 2254' MSL.
Pole, tree beginning 1823' from DER, 78' left of centerline, up to 34' AGL/2242' MSL.
Pole 1933' from DER, 313' left of centerline, 34' AGL/2243' MSL.
Pole, tree beginning 1935' from DER, 12' left of centerline, up to 36' AGL/2245' MSL.
Pole, tree beginning 2036' from DER, 5' left of centerline, up to 35' AGL/2246' MSL.
Poles, building, tree beginning 2043' from DER, 221' right of centerline, up to 2255' MSL.
Pole, tree beginning 2133' from DER, 19' left of centerline, up to 36' AGL/2247' MSL.
Tree, poles, sign, building beginning 2146' from DER, 14' right of centerline, up to 2259' MSL.
Pole, building, tree beginning 2234' from DER, 12' left of centerline, up to 35' AGL/2249' MSL.
Pole, tree beginning 2335' from DER, 88' left of centerline, up to 36' AGL/2250' MSL.
Sign, tree, poles, building beginning 2381' from DER, 37' left of centerline, up to 41' AGL/2257' MSL.
Pole, buildings, tree beginning 2496' from DER, 5' right of centerline, up to 2274' MSL.
Building beginning 2739' from DER, 196' right of centerline, up to 57' AGL/2279' MSL.
Building, tree beginning 2766' from DER, 73' right of centerline, up to 57' AGL/2280' MSL.
Building beginning 2767' from DER, 44' left of centerline, up to 36' AGL/2258' MSL.
Building, tree beginning 2822' from DER, 68' right of centerline, up to 58' AGL/2281' MSL.
Building, tree beginning 2861' from DER, 126' right of centerline, up to 59' AGL/2282' MSL.
Buildings, tree beginning 2893' from DER, 6' right of centerline, up to 2288' MSL.
Building beginning 2895' from DER, 2' left of centerline, up to 39' AGL/2262' MSL.
Buildings, tree building beginning 3032' from DER, 301' right of centerline, up to 61' AGL/2290' MSL.
Buildings, tree, pole beginning 3076' from DER, 58' right of centerline, up to 61' AGL/2291' MSL.
Buildings, sign, poles beginning 3459' from DER, 287' right of centerline, up to 74' AGL/2302' MSL.
Building 3495' from DER, 53' left of centerline, 52' AGL/2278' MSL.
Communication tower 5717' from DER, 156' left of centerline, 80' AGL/2327' MSL.
Rwy 26L, building 1002' from DER, 250' left of centerline, 6' AGL/2183' MSL.
Railroad, pole beginning 1857' from DER, 793' left of centerline, up to 2215' MSL.
Railroad 2068' from DER, 796' left of centerline, 2218' MSL.
Pole, railroad beginning 2148' from DER, 800' left of centerline, up to 2221' MSL.
Tree, railroad beginning 2376' from DER, 780' left of centerline, up to 2232' MSL.
Tree, railroad beginning 2528' from DER, 751' left of centerline, up to 2233' MSL.
Pole 2861' from DER, 811' left of centerline, 36' AGL/2238' MSL.
Pole 3167' from DER, 1144' left of centerline, 34' AGL/2242' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NV (CON'T)

HARRY REID INTL (LAS) (CON'T)

Rwy 26L (CON'T), pole 3171' from DER, 1091' left of centerline, 34' AGL/2243' MSL.
Pole 3313' from DER, 1200' left of centerline, 35' AGL/2246' MSL.
Sign, T-L tower beginning 3672' from DER, 145' left of centerline, up to 2256' MSL.
Pole, building beginning 4223' from DER, 1389' left of centerline, up to 2274' MSL.
Building 4554' from DER, 1593' left of centerline, 2277' MSL.
Building 4687' from DER, 1685' left of centerline, 53' AGL/2279' MSL.
Building 4719' from DER, 1754' left of centerline, 61' AGL/2290' MSL.
Building 4954' from DER, 1694' left of centerline, 61' AGL/2291' MSL.
Transmission tower 5469' from DER, 1056' left of centerline, 2297' MSL.
Pole 5879' from DER, 1519' left of centerline, 2309' MSL.
Pole 6019' from DER, 2022' right of centerline, 101' AGL/2309' MSL.
Pole 1 NM from DER, 1720' left of centerline, 46' AGL/2311' MSL.
Pole 1 NM from DER, 1922' left of centerline, 45' AGL/2311' MSL.
Tower 1.1 NM from DER, 1843' left of centerline, 80' AGL/2332' MSL.
Pole 1.8 NM from DER, 1817' left of centerline, 131' AGL/2435' MSL.
Rwy 26R, NAVAIDs, building beginning 533' from DER, 367' left of centerline, up to 14' AGL/2206' MSL.
NAVAIDs beginning 533' from DER, on centerline, up to 5' AGL/2195' MSL.
Vehicles on road beginning 666' from DER, crossing left and right of centerline, up to 2208' MSL.
Pole 785' from DER, 592' left of centerline, 2218' MSL.
Pole, tree beginning 786' from DER, 8' left of centerline, up to 2220' MSL.
Trees beginning 821' from DER, 49' right of centerline, up to 25' AGL/2214' MSL.
Pole, sign, tree, building beginning 873' from DER, 347' left of centerline, up to 37' AGL/2234' MSL.
Trees beginning 952' from DER, 48' right of centerline, up to 2233' MSL.
Pole, tree, railroad beginning 1093' from DER, 531' left of centerline, up to 38' AGL/2237' MSL.
Trees beginning 1559' from DER, 555' right of centerline, up to 2259' MSL.
Tree, building, railroad beginning 1812' from DER, 191' left of centerline, up to 2246' MSL.
Building 2501' from DER, 881' left of centerline, 2254' MSL.
Poles beginning 3002' from DER, 543' left of centerline, up to 44' AGL/2271' MSL.
Poles beginning 3005' from DER, 743' left of centerline, up to 48' AGL/2277' MSL.
Pole 3116' from DER, 1022' right of centerline, 101' AGL/2309' MSL.
Sign 3339' from DER, 278' left of centerline, up to 2286' MSL.
Communication tower 4521' from DER, 704' right of centerline, 2332' MSL.
Sign 1.3 NM from DER, 2649' left of centerline, 80' AGL/2384' MSL.
Pole 1.5 NM from DER, 2801' left of centerline, 100' AGL/2444' MSL.
Pole 1.6 NM from DER, 2832' left of centerline, up to 100' AGL/2455' MSL.
Pole, communication tower beginning 1.7 NM from DER, 2068' left of centerline, up to 100' AGL/2463' MSL.
Pole 1.7 NM from DER, 2845' left of centerline, 135' AGL/2469' MSL.
Transmission tower 2.1 NM from DER, 3453' left of centerline, 134' AGL/2490' MSL.

LAS VEGAS, NV

HENDERSON EXEC (HND)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22JUN17 (21112) (FAA)

TAKEOFF MINIMUMS:
Rwys 17L/R, std. w/min. climb of 491' per NM to 6000 or 2800-2¾ for VCOA.
Rwys 35L/R, std. w/min. climb of 312' per NM to 4700 or 2800-2¾ for VCOA.

DEPARTURE PROCEDURE:
Rwys 17L/R, climbing right turn on LAS R-157 to LAS VORTAC before proceeding on course.
Rwys 35 L/R, climbing right turn on BLD R-257 to BLD VORTAC before proceeding on course.

VCOA:
All Rwys, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Henderson Exec airport eastbound at or above 5100, then proceed on BLD R-249 TO BLD VORTAC before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 17L, terrain beginning 2427' from DER, 18' left of centerline, 2552' MSL.
Poles beginning 4256' from DER, 678' right of centerline, up to 2598' MSL.
Rwy 17R, bush 134' from DER, 314' right of centerline, 2498' MSL.
Fence 629' from DER, 75' right of centerline, 2510' MSL.
Terrain 928' from DER, 717' left of centerline, 2552' MSL.
Tank 1096' from DER, 311' right of centerline, 2533' MSL.
Vehicles on road beginning 1149' from DER, crossing centerline, up to 1159' MSL.
Poles beginning 2756' from DER, from 400' left to 698' right of centerline, up to 2764' MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

LAS VEGAS, NV (CON'T)

NORTH LAS VEGAS (VGT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 08NOV18 (18312) (FAA)

DEPARTURE PROCEDURE: Use BOULDER CITY DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 7, tower 1.1 NM from DER, 1044' right of centerline, 252' AGL/2348' MSL.
Rwy 12R, multiple towers 1.0 NM from DER, 850' right of centerline, up to 267' AGL/2368' MSL.
Tower 1.2 NM from DER, 1355' right of centerline, 270' AGL/2367' MSL.
Power lines 1122' from DER, 764' right of centerline, traversing to the southeast out to 2345' from DER, 510' right of centerline, 106' AGL/2344' MSL.
Rwy 12L, light pole 254' from DER, 462' right of centerline, 36' AGL/2159' MSL.
Trucks on road 255' from DER, 502' right of centerline, 15' AGL/2155' MSL.
Power line 1289' from DER, 663' right of centerline traversing to the Northeast out to 1576' from DER, 716' left of centerline, up to 129' AGL/2226' MSL.
Multiple towers 5045' from DER,1551' right of centerline, 267' AGL/2368' MSL.
Rwy 25, light pole, 1447' from DER, 21' right of centerline, 35' AGL/2255' MSL.
Rwy 30L, signs, building, light pole beginning 1692' from DER, 236' left of centerline, up to 49' AGL/2271' MSL.
Multiple trees beginning 1785' from DER, 78' right of centerline, up to 57' AGL/2296' MSL.
Tree, multiple towers/antennas beginning 2745' from DER, 511' left of centerline, up to 84' AGL/2397' MSL.
Rwy 30R, antenna tower 4639' from DER, 1736' left of centerline, 84' AGL/2327' MSL.
Anemometer 552' from DER, 570' left of centerline, 34' AGL/2216' MSL.
Vent on building 1632' from DER, 566' right of centerline, 58' AGL/2240' MSL.
Antenna on hanger 2012' from DER, 195' right of centerline, 61' AGL/2247' MSL.

LOGAN, UT

LOGAN-CACHE (LGU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 17DEC09 (09351) (FAA)

TAKEOFF MINIMUMS:

Rwys 10, 28, NA-obstacles.

DEPARTURE PROCEDURE:

Rwys 17, 35, use ORNEY DEPARTURE.

LOVELOCK, NV

DERBY FLD (LOL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 03JAN19 (21280) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, std. w/min. climb of 415' per NM to 8200 or 3200-3 for climb in visual conditions.
Rwys 8, 20, std. w/min. climb of 340' per NM to 8200 or 3200-3 for climb in visual conditions.
Rwy 26, std. w/min. climb of 400' per NM to 8200 or 3200-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 2, climb to 6500 then climbing left turn direct LLC VORTAC, thence...
Rwys 8, 20, 26, climb to 5700 then climbing left turn direct LLC VORTAC, thence...
...Climb in LLC VORTAC holding pattern (north, left turn, 169° inbound) to depart LLC VORTAC at or above 8800, continue climb on course to MEA or assigned altitude.

VCOA:

Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Derby Fld airport at or above 7000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, vegetation 13' from DER, 141' right of centerline, 3908' MSL.
Sign 17' from DER, 199' left of centerline, 2' AGL/3909' MSL.
Vegetation 54' from DER, 155' right of centerline, 3909' MSL.
Tree 80' from DER, 347' right of centerline, 3912' MSL.
Rwy 8, vegetation beginning 56' from DER, 172' left of centerline, up to 3910' MSL.
Vegetation 147' from DER, 376' left of centerline, 3911' MSL.
Rwy 20, vegetation beginning 47' from DER, 112' left of centerline, up to 3910' MSL.
Rwy 26, terrain 15' from DER, 170' right of centerline, 3905' MSL.
Vegetation 67' from DER, 239' left of centerline, 3906' MSL.
Tree 258' from DER, 531' left of centerline, 3917' MSL

SW-4, 07 AUG 2025 to 02 OCT 2025

LUKE AFB (KLUF)
GLENDALE, AZ
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 30NOV23 (23334) (USAF)
TAKEOFF MINIMUMS:
Rwys 3L/R, std w/min climb of 228'/NM to 9400.
DEPARTURE PROCEDURE:
Rwys 3L/R, climb hdg 033° to LUF 4 DME, then climbing left turn on a hdg between 323° CW to 003° from DER. Expect RADAR vectors on course from Luke RAPCON.
Rwys 21L/R, climb hdg 213° to LUF 8 DME, then climb on a hdg between 183° CW to 225° from DER. Expect RADAR vectors on course from Luke RAPCON.
TAKEOFF OBSTACLE NOTES:
Rwy 3L, taxiing aircraft, 1421' from DER, 609' left of centerline, 19' AGL/1123' MSL.
Taxiing aircraft, 1235' from DER, 782' left of centerline, 19' AGL/1123' MSL.
Rwy 21L, taxiing aircraft, 1422' from DER, 775' left of centerline, 38' AGL/1117' MSL.

MANTI, UT
MANTI-EPHRAIM (41U)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 22JUN17 (17173) (FAA)
DEPARTURE PROCEDURE:
Rwy 3, Use YMONT DEPARTURE.
Rwy 21, Use WUXOT DEPARTURE.

MARANA, AZ
MARANA RGNL(AVQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 22AUG13 (13234) (FAA)
TAKEOFF MINIMUMS:
Rwys 3, 12, N/A-Obstacles
DEPARTURE PROCEDURE:
Rwy 21, climb to 6500 via heading 360° and TUS R-308 to TOTEC INT/TUS 57 DME, then as filed.
Rwy 30, climb to 6500 via heading 303° intercept TUS R-308 above 3500, to TOTEC INT/TUS 57 DME, then as filed.
TAKEOFF OBSTACLE NOTES:
Rwy 21, road 53' from DER, 413' left of centerline, 15' AGL/2035' MSL.
Tree 800' from DER, 695' left of centerline, 32' AGL/2043' MSL.
Multiple trees and poles beginning 518' from DER, 190' right of centerline, up to 38' AGL/2049' MSL.
Rwy 30, multiple trees beginning 148' from DER, 275' right of centerline, up to 19' AGL/2020' MSL.

MESA, AZ
FALCON FLD (FFZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 29JUL10 (21112) (FAA)
DEPARTURE PROCEDURE:
Use MESA DEPARTURE.

DIVERSE VECTOR AREA (RADAR VECTORS)
AMDT 1 07JAN16 (16007) (FAA)
Rwy 4L, heading as assigned by ATC; requires minimum climb of 480' per NM to 3800.
Rwy 4R, heading as assigned by ATC; requires minimum climb of 500' per NM to 3700.
Rwys 22L/R, heading as assigned by ATC.

MESQUITE, NV
MESQUITE (67L)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13SEP18 (18256) (FAA)
TAKEOFF MINIMUMS:
Rwy 2, 300-2¼ or std. w/min. climb of 455' per NM to 2300.
DEPARTURE PROCEDURE:
Rwy 2, climb heading 018° to 2400 then climbing left turn direct MMM VORTAC, continue climb-in hold (hold S, left turn, 015° inbound) to 11000 before proceeding on course.
Rwy 20, climbing right turn direct MMM VORTAC, continue climb-in hold (hold S, left turn 015° inbound) to 11000 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 2, terrain beginning 41' from DER, 227' left of centerline, up to 1992' MSL.
Terrain beginning 83' from DER, 456' right of centerline, up to 2000' MSL.
Fence, terrain beginning 190' from DER, 211' right of centerline, up to 3' AGL/2005' MSL.
Terrain beginning 197' from DER, 213' left of centerline, up to 2006' MSL.
Terrain beginning 295' from DER, 222' right of centerline, up to 2006' MSL.
Terrain beginning 365' from DER, 225' left of centerline, up to 2019' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

MESQUITE, NV (CON'T)

MESQUITE (67L) (CON'T)

Rwy 2 (CON'T), fence beginning 491' from DER, 238' right of centerline, up to 3' AGL/2014' MSL.
Terrain 783' from DER, 496' left of centerline, 2026' MSL.
Terrain beginning 846' from DER, 254' left of centerline, up to 2031' MSL.
Terrain, fence beginning 971' from DER, 272' left of centerline, up to 2036' MSL.
Terrain, fence beginning 1176' from DER, 269' left of centerline, up to 2038' MSL.
Terrain beginning 1289' from DER, 411' left of centerline, up to 2043' MSL.
Terrain beginning 1426' from DER, 647' left of centerline, up to 2048' MSL.
Terrain beginning 2059' from DER, 909' left of centerline, up to 2059' MSL.
Terrain 2960' from DER, 1201' left of centerline, 2065' MSL.
Terrain beginning 3160' from DER, 139' right of centerline, up to 2098' MSL.
Terrain beginning 3268' from DER, 73' right of centerline, up to 2119' MSL.
Terrain beginning 3317' from DER, 334' left of centerline, up to 2084' MSL.
Terrain beginning 3424' from DER, 674' right of centerline, up to 2139' MSL.
Terrain 3429' from DER, 459' right of centerline, 2149' MSL.
Terrain beginning 3434' from DER, 109' left of centerline, up to 2102' MSL.
Terrain 3460' from DER, 387' right of centerline, 2152' MSL.
Terrain, vegetation beginning 3484' from DER, 10' right of centerline, up to 2156' MSL.
Terrain 3794' from DER, 751' left of centerline, 2110' MSL.
Terrain beginning 3794' from DER, 163' left of centerline, up to 2118' MSL.
Terrain beginning 3903' from DER, 952' left of centerline, up to 2122' MSL.
Terrain, vegetation beginning 3911' from DER, 119' left of centerline, up to 2199' MSL.
Terrain, vegetation beginning 4387' from DER, 10' left of centerline, up to 2204' MSL.
Terrain 1.5 NM from DER, 2409' left of centerline, 2216' MSL.
Vegetation 1.5 NM from DER, 2758' left of centerline, 2231' MSL.
Terrain beginning 1.5 NM from DER, 2618' left of centerline, up to 2257' MSL.
Terrain beginning 1.5 NM from DER, 2769' left of centerline, up to 2259' MSL.
Terrain 1.7 NM from DER, 3138' left of centerline, 2244' MSL.
Rwy 20, lighting 1' from DER, 46' left of centerline, 2' AGL/1876' MSL.
Lighting 3' from DER, 89' right of centerline, 2' AGL/1876' MSL.
Traverse way 4' from DER, 355' right of centerline, 1878' MSL.
Transmission line 453' from DER, 308' left of centerline, 70' AGL/1888' MSL.

MICHAEL AAF (KDPG),

DUGWAY PROVING GROUND, UT

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 23AUG12 (12236)

DEPARTURE PROCEDURES:

Rwy 12, Climb heading 122° to 5700, then climbing right turn on a heading between 202° CW to 302° to 10,000 before proceeding on course.
Rwy 30, Climbing left turn on a heading between 267° CW to 300° to 10,000 before proceeding on course.

MILFORD, UT

MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05APR12 (21112) (FAA)

TAKEOFF MINIMUMS:

Rwy 34, std. w/min. climb of 487' per NM to 6500 or 1500-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 16, climb direct MLF VORTAC, thence...
...aircraft departing on V235 or V21 southbound proceed on course.
...all other aircraft climb to 11000 on MLF VORTAC R-168, then right turn direct MLF VORTAC. Continue climb-in-hold, right turns, 348° inbound to cross MLF VORTAC at or above MEA/MCA for route of flight.
Rwy 34, climbing left turn to intercept MLF VORTAC R-310 to MLF VORTAC, thence...
...aircraft departing on V235 or V21 southbound; proceed on course .
...all other aircraft, climb-in-hold, MLF VORTAC, right turns, 348° inbound to cross MLF VORTAC at or above MEA/MCA for route of flight.
...or climb in visual conditions to cross Milford Muni/Ben and Judy Briscoe Fld airport southbound at or above 6400, then climb on MLF VORTAC R-345 to MLF VORTAC. Aircraft departing on V235 and V21 southbound; proceed on course. All other aircraft climb to 11000 on MLF VORTAC R-168, then, right turn direct MLF VORTAC. Continue climb in- hold, right turns, 348° inbound to cross MLF VORTAC at or above MEA/MCA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees beginning 440' from DER, 332' right of centerline, up to 100' AGL/5159' MSL.
Trees beginning 4912' from DER, 1451' right of centerline, up to 100' AGL/5179' MSL.
Rwy 34, vehicles on roadway 231' from DER, across centerline, up to 15' AGL/5054' MSL.
Trees beginning 3177' from DER, 508' left of centerline, up to 100' AGL/5119' MSL.

MINDEN, NV

MINDEN-TAHOE (MEV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15DEC11 (11349) (FAA)

TAKEOFF MINIMUMS:

Rwys 12, 16, 30, NA - Obstacles.

DEPARTURE PROCEDURE:

Rwy 34, use MINDEN (RNAV) DEPARTURE.

MOAB, UT

CANYONLANDS RGNL (CNY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 03JAN19 (21056) (FAA)

TAKEOFF MINIMUMS:

Rwys 15, 33, NA - Runway Surface.

Rwy 3, std. w/ min. climb of 405' per NM to 6100 or 5000-3 for VCOA.

Rwy 21, std. w/ min. climb of 456' per NM to 6100 or 5000-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 3, climbing left turn to 6700 on OAB R-298, thence...

Rwy 21, climbing right turn to 6700 on OAB R-298, thence...

...Climbing right turn to 10000 direct OAB VOR/DME. Continue climb in holding to 10000 at OAB VOR/DME (northwest, left turn, 118° inbound) before proceeding on course.

VCOA:

Rwys 3, 21, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Canyonlands Field at or above 9400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, terrain 46' from DER, 484' right of centerline, 4559' MSL.
Tree 63' from DER, 481' left of centerline, 4564' MSL.
Tree 86' from DER, 509' left of centerline, 4565' MSL.
Electrical system 135' from DER, 529' right of centerline, 34' AGL/4595' MSL.
Transmission line 1108' from DER, 589' right of centerline, 51' AGL/4596' MSL.
Transmission line 1786' from DER, 606' left of centerline, 50' AGL/4603' MSL.
Terrain 1.5 NM from DER, 1600' right of centerline, 4827' MSL.
Terrain 2.5 NM from DER, 1185' left of centerline, 4990' MSL.
Rwy 21, bush beginning 60' from DER, 79' left of centerline, up to 10' AGL/4581' MSL.
Bush beginning 132' from DER, 65' right of centerline, up to 10' AGL/4597' MSL.
Pole 1658' from DER, 128' left of centerline, 85' AGL/4625' MSL.
Pole 1710' from DER, 319' right of centerline, 4602' MSL.
Pole 1827' from DER, 831' right of centerline, 4623' MSL.
Bush 1.5 NM from DER, 2256' left of centerline, 10' AGL/4797' MSL.
Bush beginning 1.9 NM from DER, 3289' right of centerline, up to 4868' MSL.
Terrain 1.9 NM from DER, 2742' right of centerline, 4899' MSL.
Traverse way beginning 2 NM from DER, 39' left of centerline, up to 10' AGL/4984' MSL.
Traverse way beginning 2.1 NM from DER, 297' left of centerline, up to 10' AGL/4994' MSL.
Trees beginning 2.1 NM from DER, 91' left of centerline, up to 10' AGL/5014' MSL.

MONTICELLO, UT

MONTICELLO (U64)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, std. w/min. climb of 240' per NM to 14700 or 4800-5 for VCOA.

Rwy 34, std. w/min. climb of 260' per NM to 14700 or 4800-5 for VCOA.

DEPARTURE PROCEDURE:

Rwy 16, climb on a heading between 002° CW to 166°.

Rwy 34, climb on a heading between 301° CW to 142°.

VCOA:

All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Monticello airport at or above 11600 before proceeding on course.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

NELLIS AFB (KLSV)

LAS VEGAS, NV

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 12JUN25 (25163) (USAF)

TAKEOFF MINIMUMS:

Rwy 3L, 2700-3 SR-SS or std w/min climb of 304'/NM to 4000.

Rwy 3R, 2900-3 SR-SS or std w/min climb of 263'/NM to 5000.

Rwys 21L/R, 10100-3 SR-SS or std w/min climb of 380'/NM (MIL)/415'/NM (CIV) to 13,300.

DEPARTURE PROCEDURE:

Rwys 3L/R, climb hdg 040°, expect RADAR vectors passing 5400' MSL from RAPCON.

Rwys 21L/R, climb on hdg between 210° CW to 285° from DER.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 3 10AUG23 (23222) (USAF)

Rwys 3L/R, NA-Terrain.

Rwys 21L/R, hdg as assigned by ATC; requires min climb of 296'/NM (MIL)/314'/NM (CIV) until 12,000.

NEPHI, UT

NEPHI MUNI (U14)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20OCT11 (11293) (FAA)

DEPARTURE PROCEDURE:

Use NEPHI DEPARTURE.

NOGALES, AZ

NOGALES INTL (OLS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 21MAR24 (24081) (FAA)

DEPARTURE PROCEDURE:

Use NOGALES DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 4, tree 58' from DER, 455' left of centerline, 3963' MSL.
Tree 80' from DER, 174' right of centerline, 6'AGL/3958' MSL.
Trees beginning 97' from DER, 446' left of centerline, up to 15' AGL/3964' MSL.
Tree 252' from DER, 43' right of centerline, 5' AGL/3962' MSL.
Tree 261' from DER, 463' left of centerline, 3971' MSL.
Trees beginning 308' from DER, 37' right of centerline, up to 6' AGL/3964' MSL.
Trees, fence beginning 334' from DER, 136' left of centerline, up to 3987' MSL.
Trees beginning 368' from DER, 64' right of centerline, up to 3991' MSL.
Tree, terrain beginning 603' from DER, 546' right of centerline, up to 3993' MSL.
Trees, fence, terrain beginning 659' from DER, 13 ' left of centerline, up to 3995' MSL.
Trees, terrain, fence beginning 833' from DER, 50' right of centerline, up to 4010' MSL.
Tree, terrain beginning 1179' from DER, 118' left of centerline, up to 5' AGL/3996' MSL.
Trees, terrain beginning 1199' from DER, 97' right of centerline, up to 4036' MSL.
Trees, terrain beginning 1241' from DER, 66' left of centerline, up to 4018' MSL.
Tree, terrain beginning 1412' from DER, 90' right of centerline, up to 4043' MSL.
Vehicles on road, terrain beginning 1624' from DER, 642' left of centerline, up to 4028' MSL.
Terrain beginning 1637' from DER, 2' right of centerline, up to 4052' MSL.
Trees, vehicles on road, terrain beginning 1688' from DER, 45' left of centerline, up to 4035' MSL.
Terrain beginning 1825' from DER, 38' right of centerline, up to 4067' MSL.
Pole, vehicles on road, trees beginning 1853' from DER, 475' left of centerline, up to 21' AGL/4043' MSL.
Terrain 2033' from DER, 186' left of centerline, 4047' MSL.
Trees, vehicles on road, terrain beginning 2041' from DER, 74' left of centerline, up to 7' AGL/4052' MSL.
Terrain 2221' from DER, 269' left of centerline, 4055' MSL.
Trees, vehicles on road, terrain beginning 2253' from DER, 170' left of centerline, up to 18' AGL/4080' MSL.
Terrain beginning 2354' from DER, 20' right of centerline, up to 4068' MSL.
Trees, vegetation, vehicles on road, pole, terrain beginning 2491' from DER, 55' left of centerline, up to 14' AGL/4093' MSL.
Terrain beginning 2539' from DER, 125' right of centerline, up to 4087' MSL.
Vehicles on road 2657' from DER, 32' left of centerline, 15' AGL/4095' MSL.
Vehicles on road, trees, terrain beginning 2672' from DER, 6' left of centerline, up to 15' AGL/4096' MSL.
Vehicles on road, terrain beginning 2688' from DER, 2' right of centerline, up to 15' AGL/4096' MSL.
Terrain, vehicles on road beginning 2768' from DER, 98' right of centerline, up to 4112' MSL.
Vehicles on road 2987' from DER, 530' right of centerline, 4117' MSL.
Vehicles on road 2995' from DER, 635' right of centerline, 4121' MSL.
Vehicles on road, terrain beginning 3009' from DER, 489' right of centerline, up to 4123' MSL.
Vehicles on road, terrain beginning 3351 ' from DER, 12' right of centerline, up to 4130' MSL.
Vehicles on road, terrain beginning 3449' from DER, 633' right of centerline, up to 4143' MSL.
Vehicles on road 3499' from DER, 1364' right of centerline, 4149' MSL.
Vehicles on road, terrain, vegetation beginning 3570' from DER, 101' right of centerline, up to 4155' MSL.
Terrain beginning 3581 ' from DER, 42' left of centerline, up to 4112' MSL.
Terrain beginning 4127' from DER, 627' right of centerline, up to 4156' MSL.
Tree, terrain beginning 4143' from DER, 768' right of centerline, up to 4180' MSL.
CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SW-4, 07 AUG 2025 to 02 OCT 2025

NOGALES, AZ (CON'T)

NOGALES INTL (OLS) (CON'T)

Rwy 4 (CON'T), trees, terrain beginning 4262' from DER, 426' right of centerline, up to 4184' MSL.
Tree, terrain beginning 4495' from DER, 709' right of centerline, up to 4210' MSL.
Terrain beginning 4627' from DER, 1171' right of centerline, up to 4217' MSL.
Trees, terrain beginning 4737' from DER, 216' right of centerline, up to 4223' MSL.
Tree, terrain beginning 5806' from DER, 343' right of centerline, up to 4241' MSL.
Trees, terrain beginning 5953' from DER, 409' right of centerline, up to 4254' MSL.
Trees, terrain beginning 1 NM from DER, 58' right of centerline, up to 4256' MSL.
Tree, terrain beginning 1 NM from DER, 1260' left of centerline, up to 4136' MSL.
Trees, terrain beginning 1.1 NM from DER, 433 ' left of centerline, up to 4151' MSL.
Trees, pole, terrain beginning 1.2 NM from DER, 75' left of centerline, up to 16' AGL/4221' MSL.
Trees, vegetation, terrain beginning 1.3 NM from DER, 84' left of centerline, up to 4254' MSL.
Trees, terrain beginning 1.4 NM from DER, 25' left of centerline, up to 11' AGL/4283' MSL.
Tree, terrain beginning 1.4 NM from DER, 140' right of centerline, up to 4326' MSL.
Tree, terrain beginning 1.5 NM from DER, 79' right of centerline, up to 11' AGL/4327' MSL.
Tree, terrain beginning 1.7 NM from DER, 639' right of centerline, up to 4345' MSL.
Tree, terrain beginning 1.8 NM from DER, 172' right of centerline, up to 4367' MSL.
Tree, terrain beginning 1.9 NM from DER, 628' right of centerline, up to 4384' MSL.
Terrain, vehicles on road, trees beginning 2 NM from DER, 935' right of centerline, up to 4406' MSL.
Terrain 2.1 NM from DER, 616' left of centerline, 4299' MSL.
Terrain, vehicles on road, trees beginning 2.2 NM from DER, 1859' right of centerline, 234' left of centerline, up to 4451' MSL.
Terrain, trees, vehicles on road beginning 2.3 NM from DER, 835' right of centerline, up to 14' AGL/4535' MSL.
Rwy 22, tree 3' from DER, 445' left of centerline, 3847' MSL.
Tree 19' from DER, 141' left of centerline, 10' AGL/3848' MSL.
Tree 29' from DER, 339' left of centerline, 3849' MSL.
Tree, vegetation beginning 45' from DER, 201 ' left of centerline, up to 17' AGL/3851' MSL.
Tree 48' from DER, 504' right of centerline, 3845' MSL.
Tree, vegetation beginning 112' from DER, 49' right of centerline, up to 24' AGL/3854' MSL.
Vehicles on roads, tree, beginning 2 NM from DER, 3648' left of centerline, up to 15' AGL/4208' MSL.
Tree 2.3 NM from DER, 3969' left of centerline, 11' AGL/4219' MSL.

OGDEN, UT

OGDEN-HINCKLEY (OGD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 28FEB19 (23054) (FAA)

DEPARTURE PROCEDURE:
Use EMONT DEPARTURE.
TAKEOFF OBSTACLE NOTES:
Rwy 3, NAVAID, vehicle on road beginning 195' from DER, 267' right of centerline, up to 17' AGL/4426' MSL.
Pole 241' from DER, 535' left of centerline, 39' AGL/4447' MSL.
Pole 348' from DER, 582' right of centerline, 41' AGL/4451' MSL.
Trees, building beginning 375' from DER, 62' left of centerline, up to 4451' MSL.
Tree, pole beginning 430' from DER, 502' right of centerline, up to 4455' MSL.
Rwy 21, tree 702' from DER, 649' left of centerline, 4492' MSL.
Tree 1133' from DER, 701' left of centerline, 4513' MSL.
Trees, building, pole beginning 2074' from DER, 792' left of centerline, up to 4570' MSL.
Tree 3429' from DER, 421' right of centerline, 4561' MSL.
Rwy 35, tree 209' from DER, 185' left of centerline, 4446' MSL.
Tree 243' from DER, 233' left of centerline, 4447' MSL.
Trees beginning 292' from DER, 87' right of centerline, up to 4454' MSL.
Tree 686' from DER, 397' right of centerline, 4479' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 26DEC24 (24361) (FAA)

Rwys 3, 21, 35, heading as assigned by ATC.

OWYHEE, NV

OWYHEE (10U)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17JUN21 (23054) (FAA)

TAKEOFF MINIMUMS:
Rwy 5, std. w/min. climb of 495' per NM to 9000, or 3200-3 for VCOA.
Rwy 23, std. w/min. climb of 395' per NM to 10100, or 3200-3 for VCOA.
VCOA:
All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Owyhee airport at or above 8400 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 5, fence 11' from DER, 440' right of centerline, 4' AGL/5367' MSL.
Fence beginning 94' from DER, 319' left of centerline, up to 7' AGL/5372' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

OWYHEE, NV (CON'T)

OWYHEE (10U) (CON'T)

Rwy 23, fence 17' from DER, 319' right of centerline, 7' AGL/5380' MSL.
Fence beginning 91' from DER, 399' left of centerline, up to 6' AGL/5382' MSL.
Fence 119' from DER, 319' right of centerline, 5381' MSL.

PAGE, AZ

PAGE MUNI (PGA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 21JUL16 (16203) (FAA)

TAKEOFF MINIMUMS:
Rwys 7, 25, NA – obstacles.
Rwy 15, std. w/ min. climb of 285' per NM to 6500, or 3100-3 for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 33, Climb heading 336° to 6000, then climbing left turn direct PGA VOR/DME, thence…
Rwy 15, Climb heading 156° to 6200, then climbing right turn direct PGA VOR/DME, thence…
…cross PGA VOR/DME at or above 7700. Continue climb in PGA VOR/DME holding pattern (hold nw, right turns 147° Inbound) to cross PGA VOR/DME at or above MEA/MCA for direction of flight.

VCOA:
Rwy 15, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Page Muni airport at or above 7300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 15, rising terrain 192' from DER, 272' right of centerline, 4323' MSL.

PANGUITCH, UT

PANGUITCH MUNI (U55)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02JUN11 (11153) (FAA)

TAKEOFF MINIMUMS:
Rwy 18, std. w/min. climb of 350' per NM to 9200 or 2200-3 for climb in visual conditions.
Rwy 36, std. w/min. climb of 450' per NM to 9500 or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE:
Rwy 18, climb heading 185° to 9200 then left turn to intercept BCE VORTAC R-274, continue climb to 12000 to BCE VORTAC, or for climb in visual conditions: cross Panguitch Muni Airport southeast bound at or above 8800' MSL then via BCE R-320 to BCE VORTAC thence …
Rwy 36, climb heading 005° to 9500 then left turn to intercept BCE VORTAC R-323 (V257), continue climb to 12000 to BCE VORTAC, or for climb in visual conditions: cross Panguitch Muni Airport southeast bound at or above 8800' MSL then via BCE R-320 to BCE VORTAC thence…
…continue climb in BCE VORTAC holding pattern (hold southwest, right turn, 045° inbound) to cross BCE VORTAC at or above MEA for route of flight.

TAKEOFF OBSTACLE NOTES:
Rwy 36, terrain 64' from DER, 426' right of centerline, 6775' MSL.
Terrain 426' from DER, 565' right of centerline, 6779' MSL.
Rwy 18, terrain beginning 114' from DER, 306' left of centerline, 6758' MSL.
Terrain 26' from DER, 229' left of centerline 6756' MSL.
Terrain 388' from DER, 91' left of centerline 6766' MSL.
Terrain 316' from DER, 321' left of centerline 6766' MSL.

PARKER, AZ

AVI SUQUILLA (P20)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:
Rwy 2, std w/min climb of 275'/NM to 2700, or 1800-3 for VCOA.
Rwy 20, std w/min climb of 243'/NM to 2700, or 1800-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 2, climb on heading 016° to 1400 then climbing right turn direct PKE VORTAC.
Rwy 20, climb heading 196° to 1500 then climbing left turn direct PKE VORTAC.

VCOA:
All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Avi Suquilla airport southwest bound at or above 2100 before proceeding direct PKE VORTAC.

TAKEOFF OBSTACLE NOTES:
Rwy 2, trees beginning 94' from DER, 214' right of centerline, up to 20' AGL/463' MSL.
Tree 477' from DER, 307' right of centerline, 20' AGL/480' MSL.
Rwy 20, trees beginning 1' from DER, 178' right of centerline, up to 20' AGL/463' MSL.
Tree 50' from DER, 274' left of centerline, 20' AGL/460' MSL.
Tree 161' from DER, 47' left of centerline, 20' AGL/463' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

PAYSON, AZ

PAYSON (PAN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 15NOV12 (12320) (FAA)

TAKEOFF MINIMUMS:

Rwy 6, std. w/ min. climb of 360' per NM to 9300, or 2500-3 for climb in visual conditions.

Rwy 24, std. w/ min. climb of 375' per NM to 9300, or 2500-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwys 6, 24, for climb in visual conditions: Cross Payson Airport at or above 7500 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 6, tree 197' from DER, 118' right of centerline, up to 12' AGL/5170' MSL.
Bush 83' from DER, 99' right of centerline, up to 3' AGL/5161' MSL.
Rwy 24, bush 15' from DER, 133' right of centerline, 6' AGL/5148' MSL.
Tree 320' from DER, 183' right of centerline, 12' AGL/5154' MSL.
Fence 85' from DER, 84' left of centerline, 4' AGL/5141' MSL.
Tree 164' from DER, 126' left of centerline, 9' AGL/5147' MSL.

PHOENIX, AZ

MESA GATEWAY (IWA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 24MAY18 (25051) (FAA)

DEPARTURE PROCEDURE:

Use PHOENIX DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwys 30L/C/R, trees beginning 351' from DER, 351' left of centerline, up to 20' AGL/1,359' MSL.
Trees beginning 689' from DER, 398' right of centerline, up to 20' AGL/1,359' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 20AUG15 (15232) (FAA)

Rwys 12L, 12C, 12R, as assigned by ATC; requires minimum climb of 250' per NM to 3100.
Rwys 30L, 30C, 30R, heading as assigned by ATC.

PHOENIX DEER VALLEY (DVT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 23FEB23 (23054) (FAA)

DEPARTURE PROCEDURE:

Use DEER VALLEY DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 7L, general utility, vertical point beginning 30' from DER, 120' right of centerline, up to 3' AGL/1479' MSL.
Vertical point 33' from DER, 125' left of centerline, 2' AGL/1479' MSL.
Sign 89' from DER, 160' left of centerline, 3' AGL/1480' MSL.
Pole, NAVAID beginning 340' from DER, 315' right of centerline, up to 13' AGL/1488' MSL.
Tree 665' from DER, 537' left of centerline, 1498' MSL.
Trees beginning 746' from DER, 499' left of centerline, up to 1499' MSL.
Tree 913' from DER, 338' left of centerline, 1502' MSL.
Tree 3574' from DER, 381' left of centerline, 13' AGL/1569' MSL.
Terrain 3610' from DER, 165' left of centerline, 1579' MSL.
Terrain, tree beginning 3611' from DER, 253' left of centerline, up to 1587' MSL.
Vegetation 3686' from DER, 38' right of centerline, 3' AGL/1570' MSL.
Trees beginning 3693' from DER, 380' left of centerline, up to 10' AGL/1602' MSL.
Terrain, tree, vegetation beginning 3713' from DER, 9' left of centerline, up to 1624' MSL.
Trees beginning 3824' from DER, 0' right of centerline, up to 1596' MSL.
Tree, terrain beginning 1 NM from DER, 1748' left of centerline, up to 1670' MSL.
Tree, vegetation beginning 1 NM from DER, 1461' left of centerline, up to 1683' MSL.
Tree, vegetation beginning 1 NM from DER, 1319' left of centerline, up to 1708' MSL.
Vegetation, tree beginning 1.4 NM from DER, 2084' left of centerline, up to 1732' MSL.
Trees beginning 1.4 NM from DER, 2485' left of centerline, up to 1765' MSL.
Trees beginning 1.5 NM from DER, 2240' left of centerline, up to 1772' MSL.
Tree, vegetation beginning 1.5 NM from DER, 1971' left of centerline, up to 1810' MSL.
Terrain 1.5 NM from DER, 2961' left of centerline, 1821' MSL.
Tree 1.5 NM from DER, 2620' left of centerline, 1831' MSL.
Trees beginning 1.5 NM from DER, 1869' left of centerline, up to 1845' MSL.
Tree, vegetation beginning 1.5 NM from DER, 1835' left of centerline, up to 1882' MSL.
Vegetation 1.5 NM from DER, 2796' left of centerline, 1900' MSL.
Trees beginning 1.5 NM from DER, 2043' left of centerline, up to 1926' MSL.
Tree, terrain beginning 1.5 NM from DER, 1816' left of centerline, up to 24' AGL/1930' MSL.
Tree, terrain, fence beginning 1.5 NM from DER, 2059' left of centerline, up to 19' AGL/1943' MSL.
Antenna 1.5 nm from DER, 2150' left of centerline, 18' AGL/1955' MSL.
Pole, vegetation, tree, terrain beginning 1.5 NM from DER, 1810' left of centerline, up to 27' AGL/1956' MSL.
Rwy 7R, lighting 42' from DER, 484' left of centerline, 1' AGL/1482' MSL.
Vegetation 146' from DER, 515' left of centerline, 1483' MSL.
Tree 393' from DER, 602' left of centerline, 1488' MSL.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, AZ (CON'T)

PHOENIX DEER VALLEY (DVT) (CON'T)

Rwy 7R (CON'T), tree, pole beginning 513' from DER, 499' right of centerline, up to 1498' MSL.
Tree 557' from DER, 266' left of centerline, 1494' MSL.
Pole 848' from DER, 503' right of centerline, 24' AGL/1507' MSL.
Building 930' from DER, 712' right of centerline, 1510' MSL.
Terrain 990' from DER, 359' right of centerline, 1514' MSL.
Vertical structure 1027' from DER, 602' left of centerline, 1518' MSL.
Pole 1028' from DER, 601' left of centerline, 39' AGL/1526' MSL.
Pole, vegetation, tree beginning 1031' from DER, 384' right of centerline, up to 28' AGL/1536' MSL.
Pole 1137' from DER, 548' left of centerline, 43' AGL/1530' MSL.
Pole, tree beginning 1149' from DER, 707' left of centerline, up to 48' AGL/1536' MSL.
Trees beginning 1845' from DER, 878' right of centerline, up to 1558' MSL.
Trees beginning 1935' from DER, 762' left of centerline, up to 14' AGL/1542' MSL.
Trees beginning 1950' from DER, 924' right of centerline, up to 1578' MSL.
Tree, vegetation beginning 1953' from DER, 660' left of centerline, up to 12' AGL/1554' MSL.
Terrain 2041' from DER, 865' left of centerline, 1579' MSL.
Terrain, vegetation, tree beginning 2043' from DER, 422' left of centerline, up to 1587' MSL.
Pole, terrain beginning 2136' from DER, 796' left of centerline, up to 30' AGL/1645' MSL.
Antenna 2165' from DER, 821' left of centerline, 21' AGL/1657' MSL.
Pole, tree, terrain, vegetation beginning 2166' from DER, 504' left of centerline, up to 38' AGL/1660' MSL.
Tree 1.1 NM from DER, 2239' right of centerline, 1662' MSL.
Tree, pole, transmission line, traverse way beginning 1.1 NM from DER, 2058' right of centerline, up to 1706' MSL.
Tree 1.2 NM from DER, 2336' right of centerline, 1720' MSL.
Tree, terrain beginning 1.2 NM from DER, 2417' right of centerline, up to 1725' MSL.
Tree 1.2 NM from DER, 2497' left of centerline, 1669' MSL.
Tree 1.2 NM from DER, 2389' left of centerline, 1675' MSL.
Vegetation beginning 1.2 NM from DER, 2441' left of centerline, up to 1733' MSL.
Tree, vegetation beginning 1.3 nm from DER, 2409' left of centerline, up to 1764' MSL.
Tree, terrain beginning 1.3 NM from DER, 2435' left of centerline, up to 1827' MSL.
Vegetation 1.3 NM from DER, 2757' left of centerline, 1706' MSL.
Rwy 25L, tree, fence beginning 19' from DER, 498' right of centerline, up to 1455' MSL.
Tree 37' from DER, 505' left of centerline, 1461' MSL.
Tree, building beginning 195' from DER, 505' left of centerline, up to 31' AGL/1465' MSL.
Tree, building beginning 304' from DER, 506' right of centerline, up to 1469' MSL.
Tree 421' from DER, 498' right of centerline, 1470' MSL.
Tree, building, antenna, pole beginning 542' from DER, 502' right of centerline, up to 39' AGL/1475' MSL.
Tree, building, pole beginning 630' from DER, 505' left of centerline, up to 1467' MSL.
Pole 1070' from DER, 375' left of centerline, 1468' MSL.
Poles beginning 1077' from DER, 374' left of centerline, up to 39' AGL/1470' MSL.
Pole 1126' from DER, 498' right of centerline, 44' AGL/1478' MSL.
Poles beginning 1183' from DER, 495' left of centerline, up to 41' AGL/1471' MSL.
Signs beginning 1234' from DER, 356' left of centerline, up to 48' AGL/1478' MSL.
Rwy 25R, lighting 30' from DER, 114' left of centerline, 3' AGL/1456' MSL.
Lighting, general utility beginning 30' from DER, 112' right of centerline, up to 2' AGL/1456' MSL.
General utility 31' from DER, 112' left of centerline, 4' AGL/1457' MSL.
Tree 1139' from DER, 798' right of centerline, 1490' MSL.
Terrain 1.3 NM from DER, 2396' right of centerline, 1686' MSL.
Vegetation, tree beginning 1.3 NM from DER, 2270' right of centerline, up to 1697' MSL.
Pole, traverse way beginning 1.3 NM from DER, 1847' right of centerline, up to 30' AGL/1713' MSL.
Antenna 1.3 NM from DER, 2640' right of centerline, 57' AGL/1732' MSL.
Tower, tree, pole, vegetation beginning 1.3 NM from DER, 2073' right of centerline, up to 66' AGL/1741' MSL.
Antenna, tower, traverse way, tree beginning 1.4 NM from DER, 2749' right of centerline, up to 91' AGL/1769' MSL.
Tree 1.6 NM from DER, 3023' right of centerline, 25' AGL/1700' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 13NOV14 (14317) (FAA)

Rwys 25L, 25R, heading as assigned by ATC; requires minimum climb of 370' per NM to 4600.

PHOENIX SKY HARBOR INTL (PHX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 18SEP14 (14261) (FAA)

TAKEOFF MINIMUMS:

Rwy 26, 600-2¾ or std. w/min. climb of 326' per NM to 1900.

DEPARTURE PROCEDURE:

Rwys 7L, 7R, 8, climb heading 078° to 3000, then climbing right turn direct PXR VORTAC.
Rwys 25L, 25R, climb heading 258° to 1900 then climbing right turn to join PXR R-260 (V16) westbound, climb to 5000.
Rwy 26, climb heading 258° to 1550, then join PXR R-260 (V16) westbound, climb to 5000. Westbound departures continue climb on PXR R-260. All others, climbing right turn direct PXR VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 7R, transmission towers and power lines, 3201' from DER, 1122' right of centerline, up to 131' AGL/1260' MSL.
Rwy 8, multiple light poles, beginning 2539' from DER, 900' left of centerline, up to 82' AGL/1234' MSL.
Light pole, 1639' from DER, 793' right of centerline, 46' AGL/1177' MSL.
CON'T

PHOENIX, AZ (CON'T)

PHOENIX SKY HARBOR INTL (PHX) (CON'T)

Rwy 25L, multiple light poles, beginning 681' from DER, 521' left of centerline, up to 63' AGL/1166' MSL.
Sign, 902' from DER, 711' left of centerline, 64' AGL/1170' MSL.
Multiple light poles, beginning 1519' from DER, 535' left of centerline, up to 99' AGL/1201' MSL.
Multiple light poles, beginning 1919' from DER, 598' left of centerline, up to 90' AGL/1192' MSL.
Rwy 26, pole, 42' from DER, 440' left of centerline, 26' AGL/1135' MSL.
Fence, 176' from DER, 547' left of centerline, 11' AGL/1120' MSL.
Pole, 315' from DER, 499' left of centerline, 11' AGL/1120' MSL.
Tree, 763' from DER, 642' left of centerline, 24' AGL/1135' MSL.
Pole, 1959' from DER, 923' left of centerline, 59' AGL/1163' MSL.
Pole, 2312' from DER, 318' left of centerline, 66' AGL/1169' MSL.
Pole, 2336' from DER, 578' left of centerline, 67' AGL/1170' MSL.
Pole, 78' from DER, 456' right of centerline, 32' AGL/1142' MSL.
Pole, 82' from DER, 64' right of centerline, 18' AGL/1127' MSL.
Tree, 118' from DER, 294' right of centerline, 22' AGL/1133' MSL.
Tree, 239' from DER, 214' right of centerline, 22' AGL/1133' MSL.
Tree, 414' from DER, 522' right of centerline, 24' AGL/1135' MSL.
Sign, 520' from DER, 567' right of centerline, 16' AGL/1125' MSL.
Pole, 2301' from DER, 193' right of centerline, 69' AGL/1171' MSL.
Pole, 2302' from DER, 661' right of centerline, 68' AGL/1171' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 2 13NOV14 (14317) (FAA)

Rwys 7L, 7R, 8, heading as assigned by ATC.
Rwy 25L, heading as assigned by ATC; requires minimum climb of 305' per NM to 6000.
Rwy 25R, heading as assigned by ATC; requires minimum climb of 325' per NM to 6000.
Rwy 26, heading as assigned by ATC; requires minimum climb of 300' per NM to 6000.

PRESCOTT, AZ

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 20JUN19 (24305) (FAA)

DEPARTURE PROCEDURE:

Use PRESCOTT DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 3L, lighting 8' from DER, 19' right of centerline, 1' AGL/4939' MSL.
Sign 15' from DER, 126' left of centerline, 3' AGL/4939' MSL.
Tree 20' from DER, 408' left of centerline, 4949' MSL.
Tree 184' from DER, 404' left of centerline, 4951' MSL.
Rwy 12, tree 4' from DER, 323' right of centerline, 5066' MSL.
Buildings, lighting, sign beginning 9' from DER, 122' left of centerline, up to 31' AGL/5057' MSL.
Tree, utility pole, sign, terrain beginning 19' from DER, 65' right of centerline, up to 28' AGL/5086' MSL.
Terrain, trees, building, lighting beginning 24' from DER, 111' left of centerline, up to 46' AGL/5062' MSL.
Terrain, road beginning 196' from DER, 317' left of centerline, up to 5069' MSL.
Trees beginning 302' from DER, 361' left of centerline, up to 45' AGL/5083' MSL.
Tower, road, trees, pole beginning 426' from DER, 267' left of centerline, up to 46' AGL/5092' MSL.
Terrain, trees beginning 2.1 NM from DER, 2368' right of centerline, up to 56' AGL/5656' MSL.
Rwy 21R, sign, terrain beginning 11' from DER, 82' left of centerline, up to 2' AGL/4977' MSL.
Sign, trees, road, building, electrical system, pole, tank beginning 11' from DER, 19' right of centerline, up to 50' AGL/5024' MSL.
Trees beginning 90' from DER, 70' left of centerline, up to 50' AGL/5041' MSL.
Trees, poles, building beginning 752' from DER, 22' right of centerline, up to 50' AGL/5031' MSL.
Tree, pole beginning 940' from DER, 3' left of centerline, up to 50' AGL/5044' MSL.
Trees, poles, building beginning 980' from DER, 22' right of centerline, up to 50' AGL/5044' MSL.
Fence, trees, poles, road, building, stack, tank beginning 1207' from DER, 35' right of centerline, up to 57' AGL/5054' MSL.
Trees, poles beginning 1561' from DER, left and right of centerline, up to 50' AGL/5064' MSL.
Trees beginning 1954' from DER, 129' left of centerline, 50' AGL/5064' MSL.
Trees beginning 2325' from DER, left and right of centerline, up to 50' AGL/5080' MSL.
Trees beginning 2615' from DER, 140' left of centerline, up to 50' AGL/5077' MSL.
Building, trees beginning 2718' from DER, 35' right of centerline, up to 50' AGL/5093' MSL.
Trees, pole beginning 3134' from DER, 128' left of centerline, up to 50' AGL/5090' MSL.
Trees, beginning 3442' from DER, 24' right of centerline, up to 50' AGL/5103' MSL.
Trees beginning 3527' from DER, 175' left of centerline, up to 50' AGL/5103' MSL.
Antenna, building, trees beginning 3772' from DER, left and right of centerline, up to 90' AGL/5116' MSL.
Trees beginning 4194' from DER, 145' right of centerline, up to 5113' MSL.
Trees beginning 4759' from DER, left and right of centerline, up to 75' AGL/5117' MSL.
Trees beginning 5180' from DER, 15' right of centerline, 70' AGL/5119' MSL.
Trees beginning 5408' from DER, 743' right of centerline, up to 50' AGL/5126' MSL.
Rwy 21L, lighting, fence beginning 30' from DER, 336' left of centerline, up to 7' AGL/5042' MSL.
Road, fence, tree beginning 111' from DER, 469' left of centerline, up to 5051' MSL.
Road, fence beginning 300' from DER, 455' left of centerline, up to 5056' MSL.
Wind indicator, pole, tree, roads beginning 402' from DER, 269' right of centerline, up to 5076' MSL.
Tree, fence, roads, lighting, pole, sign, NAVAID, building beginning 614' from DER, 41' left of centerline, up to 5113' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PRESCOTT, AZ (CON'T)

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC) (CON'T)

Rwy 21L (CON'T), trees, road beginning 782' from DER, 528' right of centerline, up to 47' AGL/5089' MSL.
Trees, road, pole, fence, electrical system, building, lighting, antenna beginning 971' from DER, 2' right of centerline, up to 70' AGL/5117 ' MSL.
Trees beginning 1779' from DER, 108' left of centerline, up to 71' AGL/5116' MSL.
Rwy 30, buildings, sign, poles beginning 28' from DER, 127' left of centerline, up to 25' AGL/5041' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)
ORIG-A 20JUN19 (19171) (FAA)
Rwys 3L/R, heading as assigned by ATC.
Rwy 12, heading as assigned by ATC; requires min. climb of 370' per NM to 7700.
Rwys 21L/R, heading as assigned by ATC; requires min. climb of 390' per NM to 8300.
Rwy 30, heading as assigned by ATC.

PRICE, UT

CARBON COUNTY RGNL/BUCK DAVIS FLD (PUC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 05MAR15 (21280) (FAA)
TAKEOFF MINIMUMS:
Rwy 1, std. w/min. climb of 400' per NM to 6800 or 3300-3 for climb in visual conditions.
Rwy 8, NA-Obstacles.
Rwy 33, std. w/min. climb of 370' per NM to 6700 or 3300-3 for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 1, climb to 6400 then climbing right turn on a heading between 144° CW to 187°, maintain 210 KIAS until completion of turn, thence . . .
Rwy 15, climb on a heading between 129° CW to 196°, thence . . .
Rwy 19, climb on a heading between 195° CCW to 128°, thence . . .
Rwy 26, climb on a heading between 179° CCW to 127°, thence . . .
Rwy 33, climb to 6300 then climbing left turn on a heading between 178° CCW to 148°, thence . . .
. . . continue climb to assigned altitude for direction of flight.
VCOA:
Rwys 1, 33, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Carbon County Rgnl/Buck Davis Fld airport at or above 9100 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 1, multiple trees and poles beginning 164' from DER, left and right of centerline, up to 64' AGL/6207' MSL.

PROVO, UT

PROVO MUNI (PVU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 30SEP04 (04274) (FAA)
DEPARTURE PROCEDURE:
Use PROVO DEPARTURE.

RENO, NV

RENO/STEAD (RTS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 31OCT24 (24305) (FAA)
DEPARTURE PROCEDURE:
Use STEAD DEPARTURE.
TAKEOFF OBSTACLE NOTES:
Rwy 8, vegetation beginning 138' from DER, 358' left of centerline, up to 5058' MSL.
Rwy 26, vegetation 4' from DER, 360' right of centerline, 4997' MSL.
Pole 1079' from DER, 623' left of centerline, 5032' MSL.
Terrain beginning 2.4 NM from DER, 733' left of centerline, up to 5756' MSL.
Rwy 32, vertical structure 56' from DER, 229' left of centerline, 5054' MSL.
Vegetation 2.3 NM from DER, 2232' left of centerline, 5806' MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NV (CON'T)

RENO/TAHOE INTL (RNO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 29DEC22 (22363) (FAA)

DEPARTURE PROCEDURE:

Use SPARKS DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 17L, building 78' from DER, 262' left of centerline, 8' AGL/4413' MSL.
Antenna 130' from DER, 379' right of centerline, 41' AGL/4444' MSL.
Tree 719' from DER, 555' left of centerline, 4434' MSL.
Tree 1055' from DER, 132' left of centerline, 4435' MSL.
Pole 1108' from DER, 487' left of centerline, 34' AGL/4445' MSL.
Pole, building beginning 1331' from DER, 458' left of centerline, up to 34' AGL/4446' MSL.
Pole 1428' from DER, 229' left of centerline, 36' AGL/4449' MSL.
Tree 1843' from DER, 132' left of centerline, 4456' MSL.
Tree 1879' from DER, 126' left of centerline, 4466' MSL.
Tower 2389' from DER, 975' left of centerline, 55' AGL/4469' MSL.
Tower 2747' from DER, 853' left of centerline, 66' AGL/4482' MSL.
Terrain 4845' from DER, 1693' left of centerline, 4546' MSL.
Terrain 5161' from DER, 1451' left of centerline, 4547' MSL.
Terrain beginning 5253' from DER, 1698' left of centerline, up to 4776' MSL.
Terrain 5470' from DER, 1838' left of centerline, 4846' MSL.
Terrain beginning 5524' from DER, 1371' left of centerline, up to 4919' MSL.
Terrain beginning 5702' from DER, 1691' left of centerline, up to 4926' MSL.
Terrain beginning 5874' from DER, 1768' left of centerline, up to 4953' MSL.
Terrain 1 NM from DER, 1981' left of centerline, 4837' MSL.
Rwy 17R, lighting 10' from DER, 85' left of centerline, 1' AGL/4415' MSL.
Lighting 10' from DER, 85' right of centerline, 1' AGL/4415' MSL.
Tree 746' from DER, 379' left of centerline, 4435' MSL.
Trees beginning 1156' from DER, 772' left of centerline, up to 4456' MSL.
Tree 1306' from DER, 840' left of centerline, 4457' MSL.
Trees beginning 1409' from DER, 818' left of centerline, up to 4466' MSL.
Trees beginning 1593' from DER, 658' left of centerline, up to 4474' MSL.
Tree 1873' from DER, 936' left of centerline, 4475' MSL.
Tree 2164' from DER, 653' left of centerline, 4478' MSL.
Trees beginning 2783' from DER, 172' right of centerline, up to 4501' MSL.
Tree 3135' from DER, 590' right of centerline, 4507' MSL.
Tree 3285' from DER, 504' right of centerline, 4510' MSL.
Rwy 26, lighting 9' from DER, 54' left of centerline, 1' AGL/4410' MSL.
Lighting 10' from DER, 54' right of centerline, 1' AGL/4410' MSL.
Pole 119' from DER, 464' left of centerline, 32' AGL/4440' MSL.
Pole, transmission line, fence beginning 142' from DER, 270' right of centerline, up to 30' AGL/4438' MSL.
Pole 499' from DER, 466' left of centerline, 39' AGL/4452' MSL.
Pole 1274' from DER, 469' left of centerline, 39' AGL/4458' MSL.
Pole 1369' from DER, 387' right of centerline, 27' AGL/4447' MSL.
Sign 1501' from DER, 206' right of centerline, 30' AGL/4448' MSL.
Tree 1618' from DER, 42' right of centerline, 4473' MSL.
Signs, trees beginning 1656' from DER, 66' left of centerline, up to 59' AGL/4482' MSL.
Tree 1663' from DER, 15' right of centerline, 4475' MSL.
Trees beginning 1664' from DER, 16' right of centerline, up to 4484' MSL.
Tree 1878' from DER, 28' left of centerline, 4483' MSL.
Trees beginning 1913' from DER, 162' left of centerline, up to 4484' MSL.
Trees beginning 1916' from DER, 20' left of centerline, up to 4487' MSL.
Trees beginning 2053' from DER, 25' left of centerline, up to 4497' MSL.
Tree 2099' from DER, 206' right of centerline, 4490' MSL.
Trees beginning 2102' from DER, 12' right of centerline, up to 4493' MSL.
Trees beginning 2255' from DER, 45' right of centerline, up to 4500' MSL.
Trees beginning 2268' from DER, 5' left of centerline, up to 4506' MSL.
Pole, tree beginning 2635' from DER, 114' right of centerline, up to 100' AGL/4527' MSL.
Antenna 3413' from DER, 298' left of centerline, 80' AGL/4514' MSL.
Rwy 35L, lighting 10' from DER, 85' left of centerline, 2' AGL/4416' MSL.
Lighting 10' from DER, 86' right of centerline, 2' AGL/4416' MSL.
Sign 40' from DER, 437' right of centerline, 4' AGL/4417' MSL.
Lighting 999' from DER, on centerline, 22' AGL/4440' MSL.
Antenna 1029' from DER, 49' left of centerline, 22' AGL/4441' MSL.
Antenna 1029' from DER, 49' right of centerline, 23' AGL/4441' MSL.
Pole 1176' from DER, 629' right of centerline, 32' AGL/4451' MSL.
Tree 1193' from DER, 400' left of centerline, 4454' MSL.
Trees beginning 1216' from DER, 227' left of centerline, up to 4476' MSL.
Tree 1229' from DER, 349' right of centerline, 4458' MSL.
Trees beginning 1267' from DER, 207' right of centerline, up to 4465' MSL.
Tree 1974' from DER, 898' right of centerline, 4469' MSL.
Tree 2326' from DER, 938' right of centerline, 4473' MSL.
Tree 2350' from DER, 885' right of centerline, 4474' MSL.
Trees beginning 2489' from DER, 178' right of centerline, up to 4493' MSL.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NV (CON'T)

RENO/TAHOE INTL (RNO) (CON'T)

Rwy 35L (CON'T), trees, poles beginning 2528' from DER, 16' right of centerline, up to 4498' MSL.
Trees beginning 2789' from DER, 69' left of centerline, up to 4490' MSL.
Trees beginning 2877' from DER, 292' left of centerline, up to 4492' MSL.
Rwy 35R, sign 40' from DER, 262' left of centerline, 4' AGL/4417' MSL.
Building 87' from DER, 272' right of centerline, 7' AGL/4420' MSL.
Lighting 999' from DER, 699' left of centerline, 22' AGL/4440' MSL.
Antennas beginning 1028' from DER, 649' left of centerline, up to 22' AGL/4441' MSL.
Poles beginning 1066' from DER, 165' right of centerline, up to 40' AGL/4458' MSL.
Pole 1176' from DER, 70' left of centerline, 32' AGL/4451' MSL.
Tree 1229' from DER, 349' left of centerline, 4458' MSL.
Tree 1267' from DER, 492' left of centerline, 4465' MSL.
Trees beginning 1711' from DER, 255' right of centerline, up to 4466' MSL.
Tree 1973' from DER, 198' right of centerline, 4469' MSL.
Trees beginning 1991' from DER, 186' right of centerline, up to 4491' MSL.
Trees, pole beginning 2489' from DER, 361' right of centerline, up to 4493' MSL.
Tree 2505' from DER, 520' left of centerline, 4480' MSL.
Trees, pole beginning 2528' from DER, 201' left of centerline, up to 4498' MSL.
Pole 2815' from DER, 531' right of centerline, 82' AGL/4497' MSL.

RICHFIELD, UT

RICHFIELD MUNI (RIF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05JUN08 (08157) (FAA)

DEPARTURE PROCEDURE:
Rwy 1, use RICHFIELD (RNAV) DEPARTURE.
Rwy 19, use HAMET (RNAV) DEPARTURE.

ROOSEVELT, UT

ROOSEVELT MUNI (74V)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10NOV16 (16315) (FAA)

TAKEOFF MINIMUMS:
Rwy 7, std.
Rwy 25, std. w/min. climb of 300' per NM to 6100 or 1300-3 for VCOA.
DEPARTURE PROCEDURE:
Rwy 7, turn right.
Rwy 25, turn left.
All aircraft, climb direct MTU VOR/DME. Aircraft departing MTU VOR/DME R-040 CW R-150, climb on course. All others continue climb in MTU holding pattern (NE, right turns, 213° inbound) to cross MTU VOR/DME; R-151 CW R-290 at or above 8000; R-291 CW R-039 at or above 10000. Then climb on course.
VCOA:
Rwy 25, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Roosevelt Muni airport southbound at or above 6300 on MTU R-010 to MTU VOR/DME, continue climb in hold (NE, right turns, 213° inbound) to MEA for direction of flight.
TAKEOFF OBSTACLE NOTES:
Rwy 7, NAVAID 38' from DER, 110' left of centerline, 5' AGL/5111' MSL.
Vehicles on road beginning 76' from DER, 250' left of centerline, up to 15' AGL/5122' MSL.
Rwy 25, NAVAID 39' from DER, 112' left of centerline, 2' AGL/5177' MSL.
Tree 95' from DER, 384' left of centerline, 9' AGL/5179' MSL.
Trees beginning 180' from DER, 403' left and right of centerline, up to 22' AGL/5192' MSL.
Tree, building, vehicle on road, pole beginning 5668' from DER, 1461' right of centerline, up to 45' AGL/5345' MSL.
Trees, poles, buildings, vehicle on road beginning 1 NM from DER, 1031' right of centerline, up to 100' AGL/5410' MSL.
Tree, vehicle on road, terrain beginning 1.2 NM from DER, 1904' right of centerline, up to 16' AGL/5416' MSL.
Poles, tree, vehicle on road beginning 1.3 NM from DER, 1915' right of centerline, up to 56' AGL/5426' MSL.
Trees beginning 1.5 NM from DER, 1553' right of centerline, up to 55' AGL/5485' MSL.
Trees beginning 1.8 NM from DER, 1871' right of centerline, up to 53' AGL/5493' MSL.
Tree 1.9 NM from DER, 1987' right of centerline, 20' AGL/5483' MSL.

SAFFORD, AZ

SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 29JUL10 (24137) (FAA)

TAKEOFF MINIMUMS:
Rwys 8, 26, NA - Airspace.
DEPARTURE PROCEDURE:
Rwys 12, 30, use SAFFORD RNAV DEPARTURE.

ST. GEORGE, UT

ST GEORGE RGNL (SGU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 26MAY16 (16147) (FAA)

DEPARTURE PROCEDURE:

Use JITKA DEPARTURE.

ST JOHNS, AZ

ST JOHNS INDUSTRIAL AIR PARK (SJN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1B 10NOV16 (23110) (FAA)

TAKEOFF MINIMUMS:

Rwy 21, 700-2¾ or std. w/min. climb of 378' per NM to 6600.

DEPARTURE PROCEDURE:

Rwys 3, 32, climbing right turn.

Rwys 14, 21, climbing left turn.

All aircraft, climb direct SJN VORTAC. Aircraft departing SJN VORTAC R-240 CW to R-080 climb on course. All others continue climb in SJN VORTAC holding pattern (hold NE, right turns, 239° inbound) to cross SJN VORTAC at or above 9000.

TAKEOFF OBSTACLE NOTES:

Rwy 3, sign 15' from DER, 125' left of centerline, 3' AGL/5736' MSL.

Rwy 14, vehicle on road 1' from DER, 113' right of centerline, up to 15' AGL/5750' MSL.

Tree, fence, post, obstruction light on building, ant on building and transmission line tower beginning 27' from DER, 94' left of centerline, up to 5780' MSL.

Airport beacon lighted, tower, pole, windsock, building, obstruction light on building, light pole, transmission light tower and tree, beginning 58' from DER, 88' right of centerline, up to 57' AGL/5793' MSL.

Vehicle on road 67' from DER, crossing centerline, 15' AGL/5752' MSL.

Trees and poles beginning 515' from DER, 73' left of centerline, up to 76' AGL/5784' MSL.

Vehicle on road 559' from DER, crossing centerline, 15' AGL/5762' MSL.

Rwy 32, vehicle on road and generator utility beginning 34' from DER, 3' right of centerline, up to 15' AGL/5745' MSL.

Generator utility 40' from DER, 79' left of centerline, 10' AGL/5736' MSL.

Vehicle on road 102' from DER, crossing centerline, 15' AGL/5741' MSL.

Buildings beginning 201' from DER, 327' left of centerline up to 5743' MSL.

Pole 307' from DER, 570' left of centerline, up to 30' AGL/5757' MSL.

Rwy 21, tree and fence 15' from DER, 248' left of centerline, 5767' MSL.

Trees and buildings beginning 23' from DER, 276' right of centerline, up to 5798' MSL.

Trees beginning 92' from DER, 27' left of centerline, up to 5778' MSL.

Fence beginning 208' from DER, crossing centerline, up to 5738' MSL.

Vehicles on road 265' from DER, crossing centerline, 15' AGL/5756' MSL.

Trees, buildings, signs and poles beginning 285' from DER, 2' right of centerline, up to 5781' MSL.

Trees, buildings, signs and poles beginning 597' from DER, 3' left of centerline, up to 5780' MSL.

Trees, buildings and poles beginning 808' from DER, 10' right of centerline, up to 5833' MSL.

Trees, buildings and poles beginning 867' from DER, 3' left of centerline, up to 5788' MSL.

Trees beginning 1257' from DER, 20' left of centerline, up to 5816' MSL.

Buildings, poles and trees beginning 3704' from DER, 662' right of centerline, up to 5914' MSL.

Poles beginning 3491' from DER, 1293' left of centerline, up to 5872' MSL.

Communications tower 2.2 NM from DER, 1415' left of centerline, 199' AGL/6356' MSL.

Pole 2.2 NM from DER, 1467' left of centerline, 31' AGL/6133' MSL.

SALT LAKE CITY, UT

SALT LAKE CITY INTL (SLC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 11A 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwy 32, 400-1 or std. w/ min. climb of 498' per NM to 4700.

DEPARTURE PROCEDURE:

Rwy 14, climb to 10000 on heading 192° and FFU R-341 to FFU VORTAC before proceeding on course.

Rwy 16R, climb to 10000 on heading 164° and FFU R-341 to FFU VORTAC before proceeding on course.

Rwy 16L, climb to 10000 on heading 164° and FFU R-341 to FFU VORTAC before proceeding on course.

Rwy 17, climb to 10000 on heading 169° and FFU R-341 to FFU VORTAC before proceeding on course.

Rwy 32, climb to 9000 on heading 002° and OGD R-153 to OGD VORTAC before proceeding on course.

Rwy 34L, climb to 9000 on heading 344° and OGD R-153 to OGD VORTAC before proceeding on course.

Rwy 34R, climb to 9000 on heading 344° and OGD R-153 to OGD VORTAC before proceeding on course.

Rwy 35, climb to 9000 on heading 339° and OGD R-153 to OGD VORTAC before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, antenna 1349' from DER, 544' left of centerline, 42' AGL/4263' MSL.

Rwy 16L, vehicle on road 124' from DER, 14' right of centerline, 15' AGL/4239' MSL.

Light pole 988' from DER, 726' right of centerline, 34' AGL/4254' MSL.

Pole 1024' from DER, 689' right of centerline, 34' AGL/4254' MSL.

Rwy 17, vehicles on road beginning 335' from DER, on centerline, up to 17' AGL/4241' MSL.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UT (CON'T)

SALT LAKE CITY INTL (SLC) (CON'T)

Rwy 32, ATC tower 5,266' from DER, 1767 left of centerline, 335' AGL/4549' MSL.
Crane 5196' from DER, 1630' left of centerline, 240' AGL/4463' MSL.
Flag on OL 5,153' from DER, 1619' left of centerline, 249' AGL/4463' MSL.
Aircraft beginning 969' from DER, 722' left of centerline, up to 79' AGL/4306' MSL.
Rwy 34R, post 13' from DER, 349' right of centerline, 3' AGL/4227' MSL.
Rwy 35, post 56' from DER, 249' left of centerline, 2' AGL/4220' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)
AMDT 1 14SEP17 (25191) (FAA)
Rwys 14, 16L/R, 17, 34L/R, 35, heading as assigned by ATC.

SOUTH VALLEY RGNL (SVR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6A 17APR25 (25107) (FAA)
TAKEOFF MINIMUMS:
Rwy 16, std w/min climb of 300'/NM to 10700.
Rwy 34, std w/min climb of 330'/NM to 9000.
DEPARTURE PROCEDURE:
Rwy 16, climbing left turn to 10700 on FFU VORTAC R-341 to FFU VORTAC, continue climb in FFU VORTAC holding pattern (hold S, right turn, 008° inbound) to cross FFU VORTAC at or above MEA/MCA for route of flight.
Rwy 34, climbing right turn to 9000 on TCH VORTAC R-161 to TCH VORTAC, continue climb in TCH VORTAC holding pattern (hold NW, right turn, 120° inbound) to cross TCH VORTAC at or above MEA/MCA for route of flight.
TAKEOFF OBSTACLE NOTES:
Rwy 16, NAVAID abeam DER, 99' right of centerline, 4602' MSL.
Terrain, sign beginning 34' from DER, 207' right of centerline, up to 4606' MSL.
Vehicle on road 83' from DER, 252' left of centerline, 4611' MSL.
Vehicle on road 171' from DER, 132' left of centerline, 4614' MSL.
Pole 551' from DER, 631' right of centerline, 15' AGL/4626' MSL.
Vehicle on road, vegetation beginning 672' from DER, 490' right of centerline, up to 4629' MSL.
Pole 1000' from DER, 638' right of centerline, 4638' MSL.
Pole 1008' from DER, 466' right of centerline, 31' AGL/4640' MSL.
Pole beginning 1092' from DER, 687' right of centerline, up to 31' AGL/4644' MSL.
Rwy 34, NAVAID 10' from DER, 96' left of centerline, 4606' MSL.
NAVAID 10' from DER, 94' right of centerline, 4604' MSL.
Terrain 58' from DER, 424' left of centerline, 4608' MSL.

SCOTTSDALE, AZ

SCOTTSDALE (SDL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 9 24MAY18 (18144) (FAA)
DEPARTURE PROCEDURE: Use MARICOPA DEPARTURE.
TAKEOFF OBSTACLE NOTES:
Rwy 3, multiple light standards beginning 63' from DER, 445' left of centerline, up to 44' AGL/1,554 MSL.
Hoist on dike 878' from DER, 735' left of centerline, 51' AGL/1,561' MSL.
Dike beginning 1,066' from DER, 316' left of centerline, 38' AGL/1548' MSL.
Day marker on dike, 1,230' from DER, 5' left of centerline, 39' AGL/1,549' MSL.
Tree 765' from DER,115' left of centerline, 22' AGL/1,532' MSL.
Road beginning 647' from DER, 296' left of centerline, 19' AGL/1,529' MSL.
Fence beginning 5' from DER, 338' right of centerline, 6' AGL/1,511' MSL.
Light standard 1,013' from DER, 430' right of centerline, 44' AGL/1,552' MSL.
Rwy 21, trees 1,072' from DER, 426' right of centerline, 53' AGL/1,497' MSL.
Building 316' from DER, 537' right of centerline, 23' AGL/1,467' MSL.
Tree 2,087' from DER, 418' left of centerline, 61' AGL/1,505' MSL.
Tree 1,432' from DER, 438' right of centerline, 38' AGL/1,482' MSL.
Tree 2,234' from DER, 559' left of centerline, 58' AGL/1,502' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)
AMDT 1 13NOV14 (14317) (FAA)
Rwy 3, heading as assigned by ATC; requires minimum climb of 445' per NM to 4600.
Rwy 21, heading as assigned by ATC; do not exceed 210 KTS until established on assigned heading.

SEDONA, AZ

SEDONA (SEZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, NA-Obstacles.

DEPARTURE PROCEDURE:

Rwy 21, use BYTER (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 21, trees, terrain, light poles, vegetation and fence beginning from DER, 94' left of centerline, up to 12' AGL/4758' MSL.
Light poles 9' from DER, 93' right of centerline, 4' AGL/4737' MSL.
Vegetation 16' from DER, 173' right of centerline, 4738' MSL.
Vegetation, trees, fence beginning 19' from DER, 144' left of centerline, up to 4760' MSL.
Pole and vegetation beginning 31' from DER, 130' right of centerline, up to 21' AGL/4743' MSL.

SHOW LOW, AZ

SHOW LOW RGNL (SOW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 19JUL18 (22139) (FAA)

DEPARTURE PROCEDURE:

Rwy 4, climbing left turn heading 360° to 7800 before proceeding on course.
Rwy 7, climbing left turn heading 360° to 8100 before proceeding on course.
Rwy 22, climbing right turn heading 255° to 7700 before proceeding on course.
Rwy 25, climb on heading 246° to 7600 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, sign, building, fence, pole beginning 44' from DER, 183' right of centerline, up to 6' AGL/6406' MSL.
Tree 88' from DER, 488' left of centerline, 6411' MSL.
Trees beginning 185' from DER, 428' left of centerline, up to 6417' MSL.
Pole 240' from DER, 222' right of centerline, 16' AGL/6411' MSL.
Rwy 7, general utility 39' from DER, 92' right of centerline, 19' AGL/6402' MSL.
General utility 40' from DER, 88' left of centerline, 20' AGL/6402' MSL.
Rwy 22, tree 94' from DER, 197' left of centerline, 6424' MSL.
Trees beginning 133' from DER, 87' right of centerline, up to 6420' MSL.
Pole 397' from DER, 141' left of centerline, 23' AGL/6426' MSL.
Pole 469' from DER, 166' left of centerline, 27' AGL/6430' MSL.
Building 677' from DER, 423' left of centerline, 24' AGL/6433' MSL.
Elevator, tank, pole beginning 1191' from DER, 5' left of centerline, up to 63' AGL/6496' MSL.
Rwy 25, pole 10' from DER, 29' right of centerline, 18' AGL/6401' MSL.
Pole 640' from DER, 310' right of centerline, 6418' MSL.
Pole 644' from DER, 307' right of centerline, 37' AGL/6419' MSL.
Pole beginning 704' from DER, 677' left of centerline, up to 53' AGL/6437' MSL.
Pole, catenary beginning 726' from DER, 3' left of centerline, up to 54' AGL/6438' MSL.
Pole 760' from DER, 158' right of centerline, 47' AGL/6430' MSL.
Pole 763' from DER, 159' right of centerline, 49' AGL/6432' MSL.
Pole, catenary beginning 764' from DER, 77' right of centerline, up to 54' AGL/6437' MSL.
Pole beginning 842' from DER, 317' right of centerline, up to 57' AGL/6438' MSL.

SILVER SPRINGS, NV

SILVER SPRINGS (SPZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 04NOV21 (21308) (FAA)

TAKEOFF MINIMUMS:

Rwy 24, 2900-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 6, climb heading 056° to intercept HZN R-220 to 8000. Continue climb in HZN VORTAC holding pattern (hold northeast, rt, 211° inbound) to cross HZN VORTAC at or above MEA for route of flight.

VCOA:

Rwy 24, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Silver Springs airport at or above 7000, then proceed on HZN VORTAC R-220 to 8000 to HZN VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 6, windsock, sign beginning 29' from DER, 204' left of centerline, up to 23' AGL/4235' MSL.
Rwy 24, terrain 52' from DER, 495' right of centerline, 4267' MSL.
Pole, transmission line beginning 2258' from DER, 938' right of centerline, up to 33' AGL/4324' MSL.
Transmission line, pole beginning 2277' from DER, 883' right of centerline, up to 38' AGL/4328' MSL.

SPANISH FORK, UT

SPANISH FORK MUNI/WOODHOUSE FLD (SPK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03JAN19 (21112) (FAA)

DEPARTURE PROCEDURE:

Use SPANISH FORK DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 12, lighting 10' from DER, 29' left of centerline, 2' AGL/4530' MSL.
Fence 60' from DER, 481' right of centerline, 4535' MSL.
Building 198' from DER, 449' right of centerline, 12' AGL/4541' MSL.
Sign, building beginning 297' from DER, 461' right of centerline, up to 4552' MSL.
Building 1023' from DER, 600' right of centerline, 4555' MSL.
Tree 1031' from DER, 651' left of centerline, 4563' MSL.
Tree, building beginning 1140' from DER, 503' left of centerline, up to 4565' MSL.
Building 1173' from DER, 560' right of centerline, 4559' MSL.
Building 1434' from DER, 855' right of centerline, 4572' MSL.
Tree 1514' from DER, 742' left of centerline, 4568' MSL.
Pole 1818' from DER, 352' right of centerline, 4576' MSL.
Pole beginning 3232' from DER, 1134' right of centerline, up to 4621' MSL.
Pole, sign beginning 3499' from DER, 801' left of centerline, up to 106' AGL/4673' MSL.
Electrical system 3922' from DER, 628' right of centerline, 4637' MSL.
Pole 4450' from DER, 893' right of centerline, 4649' MSL.
Pole 4709' from DER, 1365' right of centerline, 4662' MSL.
Pole 5162' from DER, 1194' right of centerline, 4664' MSL.
Pole 2 NM from DER, 3639' left of centerline, 4853' MSL.
Rwy 30, lighting 9' from DER, 29' right of centerline, 2' AGL/4525' MSL.
Vegetation 36' from DER, 145' right of centerline, 9' AGL/4527' MSL.
Tree 750' from DER, 557' left of centerline, 4546' MSL.
Pole 1182' from DER, 595' left of centerline, 50' AGL/4570' MSL.
Pole beginning 1479' from DER, 268' left of centerline, up to 60' AGL/4579' MSL.
Tree 1505' from DER, 550' right of centerline, 49' AGL/4565' MSL.

SPRINGERVILLE, AZ

SPRINGERVILLE MUNI (JTC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 02DEC21 (21336) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, std. w/min. climb of 240' per NM to 7800 or 3300-5 for VCOA.
Rwy 11, std. w/min. climb of 440' per NM to 8200 or 3300-5 for VCOA.
Rwy 21, std. w/min. climb of 365' per NM to 8600 or 3300-5 for VCOA.
Rwy 29, 400-2½ or std. w/min. climb of 280' per NM to 7300.

DEPARTURE PROCEDURE:

Rwy 3, climbing left turn to 9100 on heading 360° before proceeding on course.
Rwy 11, climbing left turn to 10500 on heading 360° before proceeding on course.
Rwy 21, climbing right turn to 10300 on heading 360° before proceeding on course.
Rwy 29, climbing right turn to 9100 on heading 360° before proceeding on course.

VCOA:

Rwys 3, 11, 21, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Springerville Muni airport at or above 10400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 11, trees beginning 9' from DER, 12' left of centerline, up to 100' AGL/7121' MSL.
Trees beginning 162' from DER, 8' right of centerline, up to 100' AGL/7125' MSL.
Trees beginning 3240' from DER, 48' right of centerline, up to 100' AGL/7135' MSL.
Trees beginning 3440' from DER, 289' right of centerline, up to 100' AGL/7138' MSL.
Trees beginning 3625' from DER, 135' right of centerline, up to 100' AGL/7148' MSL.
Trees beginning 3825' from DER, 376' right of centerline, up to 100' AGL/7151' MSL.
Trees beginning 4010' from DER, 222' right of centerline, up to 100' AGL/7158' MSL.
Trees beginning 4210' from DER, 463' right of centerline, up to 100' AGL/7161' MSL.
Trees beginning 4395' from DER, 703' right of centerline, up to 100' AGL/7167' MSL.
Trees beginning 4779' from DER, 790' right of centerline, up to 100' AGL/7174' MSL.
Trees beginning 4964' from DER, 1031' right of centerline, up to 100' AGL/7177' MSL.
Trees beginning 5349' from DER, 1512' right of centerline, up to 100' AGL/7184' MSL.
Tree 5734' from DER, 1993' right of centerline, 100' AGL/190' MSL.
Rwy 21, fence beginning 163' from DER, 300' left of centerline, up to 7065' MSL.
Terrain beginning 211' from DER, 391' left of centerline, up to 7066' MSL.
Tree 4771' from DER, 1744' right of centerline, 100' AGL/7184' MSL.
Trees beginning 4776' from DER, 1755' left of centerline, up to 100' AGL/7190' MSL.
Tree 5339' from DER, 1899' right of centerline, 100' AGL/7194' MSL.
Tree 5732' from DER, 1871' right of centerline, 100' AGL/7204' MSL.
Rwy 29, trees beginning 52' from DER, 1' right of centerline, up to 100' AGL/7121' MSL.
Tree 67' from DER, 39' left of centerline, 100' AGL/7121' MSL.
Trees beginning 82' from DER, 18' left of centerline, up to 100' AGL/7125' MSL.
Tree 2822' from DER, 1006' left of centerline, 100' AGL/7128' MSL.
Trees beginning 2942' from DER, 130' left of centerline, up to 7139' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SPRINGERVILLE, AZ (CON'T)

SPRINGERVILLE MUNI (JTC) (CON'T)

Rwy 29 (CON'T), tree 4191' from DER, 1292' left of centerline, 100' AGL/7141' MSL.
Trees beginning 4299' from DER, 524' right of centerline, up to 100' AGL/7141' MSL.
Tree 4376' from DER, 1052' left of centerline, 100' AGL/7154' MSL.
Trees beginning 4391' from DER, 23' left of centerline, up to 100' AGL/7158' MSL.
Trees beginning 4499' from DER, 370' right of centerline, up to 100' AGL/7151' MSL.
Tree 4560' from DER, 811' left of centerline, 100' AGL/7164' MSL.
Trees beginning 4576' from DER, 176' left of centerline, up to 100' AGL/7181' MSL.
Tree 4683' from DER, 1005' right of centerline, 100' AGL/7158' MSL.
Trees beginning 4699' from DER, 217' right of centerline, up to 100' AGL/7167' MSL.
Tree 4883' from DER, 852' right of centerline, 100' AGL/7181' MSL.
Trees beginning 4899' from DER, 63' right of centerline, up to 100' AGL/7187' MSL.
Trees beginning 5299' from DER, 151' right of centerline, up to 100' AGL/7190' MSL.
Trees beginning 5361' from DER, 2' left of centerline, up to 100' AGL/7200' MSL.
Trees beginning 5561' from DER, 156' left of centerline, up to 100' AGL/7204' MSL.
Trees beginning 5684' from DER, 238' right of centerline, up to 100' AGL/7194' MSL.
Tree 5884' from DER, 84' right of centerline, 100' AGL/7197' MSL.
Trees beginning 5918' from DER, 325' right of centerline, up to 7199' MSL.
Trees beginning 5930' from DER, 68' left of centerline, up to 100' AGL/7207' MSL.
Trees beginning 1 NM from DER, 222' left of centerline, up to 100' AGL/7210' MSL.
Trees beginning 1 NM from DER, 171' right of centerline, up to 100' AGL/7200' MSL.
Trees beginning 1 NM from DER, 375' left of centerline, up to 100' AGL/7213' MSL.
Trees beginning 1 NM from DER, 18' right of centerline, up to 100' AGL/7204' MSL.
Trees beginning 1 NM from DER, 135' left of centerline, up to 100' AGL/7217' MSL.
Trees beginning 1.1 NM from DER, 288' left of centerline, up to 100' AGL/7220' MSL.
Trees beginning 1.1 NM from DER, 442' left of centerline, up to 100' AGL/7223' MSL.
Trees beginning 1.1 NM from DER, 989' left of centerline, up to 100' AGL/7230' MSL.
Tree 1.2 NM from DER, 2479' left of centerline, 100' AGL/7233' MSL.
Tree 2 NM from DER, 1412' right of centerline, 100' AGL/7361' MSL.

TAYLOR, AZ

TAYLOR (TYL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 02DEC21 (21336) (FAA)

TAKEOFF MINIMUMS:

Rwy 21, 300-1 or std. w/min. climb of 260' per NM to 6100, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2100' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 3, buildings beginning 42' from DER, 339' right of centerline, up to 14' AGL/5728' MSL.
Tree 44' from DER, 113' left of centerline, 5723' MSL.
Building 745' from DER, 694' left of centerline, 23' AGL/5739' MSL.
Pole 852' from DER, 705' left of centerline, 24' AGL/5741' MSL.
Power lines crossing departure course 1000' from DER, pole 1309' from DER, 465' left of centerline, 15' AGL/5758' MSL.
Pole 1460' from DER, 597' left of centerline, 42' AGL/5764' MSL.
Rwy 21, utility lights, fence beginning 40' from DER, 113' right of centerline, up to 5' AGL/5828' MSL.
Trees beginning 86' from DER, 316' right of centerline, up to 5835' MSL.
Trees beginning 247' from DER, 268' right of centerline, up to 5836' MSL.
Tree 447' from DER, 248' right of centerline, 5838' MSL.
Trees beginning 552' from DER, 269' right of centerline, up to 5839' MSL.
Pole 1055' from DER, 659' left of centerline, 58' AGL/5874' MSL.
Pole 1170' from DER, 602' right of centerline, 31' AGL/5860' MSL.
Pole 1388' from DER, 479' right of centerline, 31' AGL/5873' MSL.
Pole, trees beginning 1468' from DER, 239' right of centerline, up to 43' AGL/5885' MSL.
Pole 1479' from DER, 544' left of centerline, 55' AGL/5883' MSL.
Poles beginning 1633' from DER, 228' left of centerline, up to 51' AGL/5884' MSL.
Tree 2369' from DER, 974' right of centerline, 5886' MSL.
Trees beginning 2400' from DER, 903' right of centerline, up to 5888' MSL.
Tree 2606' from DER, 1009' right of centerline, 5892' MSL.
Tree 2702' from DER, 983' right of centerline, 5893' MSL.
Terrain, tree beginning 2827' from DER, 1025' right of centerline, up to 5897' MSL.
Trees beginning 3013' from DER, 1028' right of centerline, up to 5904' MSL.
Tree 3120' from DER, 1254' left of centerline, 5910' MSL.
Terrain 3131' from DER, 1291' right of centerline, 5906' MSL.
Vehicles on road, tree beginning 3235' from DER, 607' right of centerline, up to 5923' MSL.
Trees beginning 3653' from DER, 672' right of centerline, up to 5924' MSL.
Tree 3795' from DER, 1387' left of centerline, 5923' MSL.
Vehicles on road, tree, terrain beginning 3820' from DER, 972' right of centerline, up to 5941' MSL.
Trees beginning 3894' from DER, 1148' left of centerline, up to 5928' MSL.
Vehicles on road, trees, terrain beginning 3901' from DER, 621' right of centerline, up to 5945' MSL.
Trees beginning 4009' from DER, 1161' left of centerline, up to 5929' MSL.
Vehicles on road, tree beginning 4039' from DER, 516' right of centerline, up to 5952' MSL.
Trees, terrain beginning 4124' from DER, 1262' left of centerline, up to 5934' MSL.
Vehicles on road, trees, terrain beginning 4126' from DER, 678' right of centerline, up to 5956' MSL.
CON'T

TAYLOR, AZ (CON'T)

TAYLOR (TYL) (CON'T)

Rwy 21 (CON'T), vehicles on road, terrain, trees beginning 4222' from DER, 635' right of centerline, up to 5959' MSL.
Trees beginning 4358' from DER, 1396' left of centerline, up to 5942' MSL.
Vehicles on road 4447' from DER, 959' right of centerline, 5960' MSL.
Trees beginning 4494' from DER, 1296' left of centerline, up to 5950' MSL.
Vehicles on road, trees beginning 4523' from DER, 545' right of centerline, up to 5965' MSL.
Trees beginning 4643' from DER, 1248' left of centerline, up to 5964' MSL.
Vehicles on road, trees, terrain beginning 4727' from DER, 488' right of centerline, up to 15' AGL/5973' MSL.
Vehicle on road 4837' from DER, 809' right of center line up to 5975' MSL.

TONOPAH, NV

TONOPAH (TPH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwys 11, 29, NA - ATC.
Rwy 15, std. with a min. climb of 320' per NM to 9100 or 2500-3 for VCOA.
Rwy 33, std. with a min. climb of 352' per NM to 9100 or 2500-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 15, climbing left turn direct TONOPAH (TPH) VORTAC thence...
Rwy 33, climbing right turn direct TONOPAH (TPH) VORTAC thence...
...continue climb in TPH holding pattern (NE, RT, 246° inbound) to cross TPH VORTAC at or above 9300 before proceeding on course.

VCOA:

Rwy 15, 33, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Tonopah airport at or above 7800 direct TONOPAH VORTAC, continue climb in TPH holding pattern (NE, RT, 246° inbound) to cross TPH VORTAC at or above 9300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 15, transmission line tower 515' from DER, 473' left of centerline, 23' AGL/5418' MSL.
Rwy 33, fence beginning 173' from DER, 401' right of centerline, 6' AGL/5438' MSL.

TONOPAH TEST RANGE (KTNX)

TONOPAH, NV

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 19JUL18 (18200)

DEPARTURE PROCEDURE:

Rwy 14, 1000-3 with min. climb of 320 ft/NM to 10,700 or 2700-3 for Climb in Visual Conditions. Climb on a heading between 325º CW to 155º from DER or Climb in Visual Conditions to cross KZ - KTNX airport at or above 8100 MSL before proceeding on course.
Rwy 32, 1000-3 with min. climb of 260 ft/NM to 5900 or 2700-3 for Climb in Visual Conditions. Climb on a heading between 295º CW to 005º from DER or Climb in Visual Conditions to cross KZ-KTNX airport at or above 8100 MSL before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, terrain 1204' from DER, 823' right of cntrln, 5582' MSL.
Terrain 63' from DER, 517' right of cntrln, 5565' MSL.
Terrain 46' from DER, 480' right of cntrln, 5564' MSL.
Terrain 0' from DER, 353' right of cntrln, 5561' MSL.
Terrain 62' from DER, 200' right of cntrln, 5558' MSL.
Terrain 14' from DER, 292' right of cntrln, 5561' MSL.
Terrain 0' from DER, 287' right of cntrln, 5561' MSL.
Terrain 0' from DER, 222' right of cntrln, 5559' MSL.
Surveyed terrain 215' from DER, 427' right of cntrln, 5560' MSL.
Rwy 32, terrain 0' from DER, 500' left of cntrln, 5476' MSL.
Terrain 19' from DER, 465' left of cntrln, 5476' MSL.
Terrain 110' from DER, 529' left of cntrln, 5476' MSL.

TOOELE, UT

BOLINDER FLD/TOOELE VALLEY (TVY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 22AUG13 (24305) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std w/min climb of 348' per NM to 9000 or 5600-3 for climb in visual conditions.
Rwy 35, std w/min climb of 380' per NM to 9000 or 5600-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 17, climbing right turn to 9000 on heading 337° and OGD VORTAC R-197 to STACO INT, or for climb in visual conditions: cross Bolinder Fld/Tooele Valley airport at or above 9800' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.
Rwy 35, climbing left turn to 9000 on heading 300° and OGD VORTAC R-197 to STACO INT, or for climb in visual conditions: cross Bolinder Fld/Tooele Valley airport at or above 9800' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

TOOELE, UT (CON'T)

BOLINDER FLD/TOOELE VALLEY (TVY) (CON'T)

TAKEOFF OBSTACLE NOTES:

Rwy 17, tree 230' from DER, 255' right of centerline, 35' AGL/4335' MSL.
Tree 342' from DER, 363' right of centerline, 35' AGL/4360' MSL.
Trees beginning 601' from DER, 486' right of centerline, up to 35' AGL/4399' MSL.
Pole 1000' from DER, 409' left of centerline, 42' AGL/4363' MSL.
Pole 1092' from DER, 118' right of centerline, 42' AGL/4363' MSL.
Tree 1369' from DER, 393' right of centerline, 35' AGL/4381' MSL.
Tree 2018' from DER, 257' right of centerline, 35' AGL/4384' MSL.

TUCSON, AZ

RYAN FLD (RYN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 29JUL10 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwys 6L, 15, 24R, 33, NA, ATC.

DEPARTURE PROCEDURE:

Rwys 6R, 24L, use ALMON DEPARTURE.

TUCSON INTL (TUS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 30NOV23 (23334) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 300-2 or std w/min climb of 230'/NM to 3000.

DEPARTURE PROCEDURE:

Rwy 4, climb on heading 036° to 3000 then climbing right turn on heading 172° and TUS R-018 to TUS VORTAC, continue climb in TUS VORTAC holding pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.
Rwy 12, climb on heading 126° to 4000 then climbing left turn direct TUS VORTAC, continue climb in TUS VORTAC holding Pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.
Rwy 22, climb on heading 216° to 3000 then climbing left turn on heading 078° and TUS VORTAC R-227 to TUS VORTAC, continue climb in TUS VORTAC holding pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.
Rwy 30, climbing right turn direct TUS VORTAC, continue climb in TUS VORTAC holding pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, light poles beginning 5' from DER, 52' right of centerline, up to 2' AGL/2570' MSL.
Light pole 9' from DER, 149' left of centerline, 4' AGL/2570' MSL.
Light poles, terrain beginning 10' from DER, 149' right of centerline, up to 3' AGL/2571' MSL.
Sign 35' from DER, 445' right of centerline, 3' AGL/2573' MSL.
Signs, utility building beginning 70' from DER, 378' right of centerline, up to 5' AGL/2575' MSL.
Sign 189' from DER, 509' right of centerline, 2578' MSL.
Building 557' from DER, 647' left of centerline, 17' AGL/2583' MSL.
Building, poles beginning 795' from DER, 609' left of centerline, up to 2607' MSL.
Pole, tree beginning 993' from DER, 436' left of centerline, up to 2609' MSL.
Trees, building, pole beginning 1104' from DER, 550' right of centerline, up to 2611' MSL.
Poles, signs, trees beginning 1131' from DER, 133' left of centerline, up to 2611' MSL.
Poles beginning 1475' from DER, 704' right of centerline, up to 35' AGL/2613' MSL.
Pole 1688' from DER, 915' right of centerline, 34' AGL/2617' MSL.
Poles beginning 1691' from DER, 585' right of centerline, up to 38' AGL/2618' MSL.
Pole 1725' from DER, 948' right of centerline, 36' AGL/2620' MSL.
Poles beginning 1749' from DER, 503' right of centerline, up to 2621' MSL.
Tree 1863' from DER, 852' left of centerline, 2628' MSL.
Poles beginning 1886' from DER, 437' right of centerline, up to 2625' MSL.
Tree 1955' from DER, 771' left of centerline, 2630' MSL.
Poles, tree beginning 1991' from DER, 331' right of centerline, up to 2626' MSL.
Poles beginning 2080' from DER, 414' right of centerline, up to 2627' MSL.
Poles beginning 2321' from DER, 560' right of centerline, up to 2632' MSL.
Pole 2397' from DER, 905' right of centerline, 2634' MSL.
Tree 2532' from DER, 715' right of centerline, 2635' MSL.
Pole 2613' from DER, 959' right of centerline, 49' AGL/2642' MSL.
Poles beginning 2668' from DER, 951' right of centerline, up to 55' AGL/2647' MSL.
Tree 3078' from DER, 700' right of centerline, 2650' MSL.
Trees beginning 3095' from DER, 738' right of centerline, up to 2654' MSL.
Tower, antenna, building beginning 3224' from DER, 853' right of centerline, up to 77' AGL/2670' MSL.
Tower 1.5 NM from DER, 1690' left of centerline, 246' AGL/2831' MSL.
Rwy 12, light poles, sign beginning 9' from DER, 150' left of centerline, up to 2' AGL/2645' MSL.
Light pole 10' from DER, 151' right of centerline, 4' AGL/2644' MSL.
Vegetation 36' from DER, 349' right of centerline, 2653' MSL.
Vegetation, utility building beginning 53' from DER, 152' right of centerline, up to 2656' MSL.
Vegetation, pole beginning 100' from DER, 146' left of centerline, up to 2652' MSL.
Vegetation beginning 190' from DER, 355' right of centerline, up to 2657' MSL.
Vegetation 358' from DER, 507' left of centerline, 2655' MSL.
Vegetation 398' from DER, 590' left of centerline, 2657' MSL.

CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, AZ (CON'T)

TUCSON INTL (TUS) (CON'T)

Rwy 12 (CON'T), vegetation beginning 419' from DER, 328' right of centerline, up to 2658' MSL.
Tree, vegetation beginning 445' from DER, 394' left of centerline, up to 2665' MSL.
Vegetation beginning 523' from DER, 347' right of centerline, up to 2661' MSL.
Vegetation beginning 593' from DER, 393' right of centerline, up to 2662' MSL.
Vegetation beginning 631' from DER, 423' right of centerline, up to 2663' MSL.
Tree, vegetation beginning 650' from DER, 411' left of centerline, up to 2668' MSL.
Tree, vegetation beginning 679' from DER, 395' left of centerline, up to 2671' MSL.
Vegetation 742' from DER, 662' right of centerline, 2664' MSL.
Vegetation 832' from DER, 583' right of centerline, 2665' MSL.
Vegetation 841' from DER, 693' right of centerline, 2666' MSL.
Vegetation beginning 892' from DER, 677' right of centerline, up to 2669' MSL.
Trees, vegetation beginning 893' from DER, 412' left of centerline, up to 2674' MSL.
Trees beginning 1046' from DER, 527' left of centerline, up to 2677' MSL.
Tree 1573' from DER, 909' right of centerline, 2684' MSL.
Tree 1708' from DER, 899' right of centerline, 2686' MSL.
Tree 1726' from DER, 705' left of centerline, 2687' MSL.
Tree 1756' from DER, 918' right of centerline, 2690' MSL.
Transmission lines beginning 4721' from DER, 984' left of centerline, up to 66' AGL/2765' MSL.
Transmission line 4969' from DER, 997' left of centerline, 77' AGL/2775' MSL.
Rwy 22, vegetation, light poles beginning 8' from DER, 53' right of centerline, up to 10' AGL/2568' MSL.
Light poles 10' from DER, 51' left of centerline, 2' AGL/2561' MSL.
Tree 30' from DER, 380' right of centerline, 2572' MSL.
Vehicle on road, tree, fence beginning 32' from DER, 324' right of centerline, up to 2580' MSL.
Trees, vegetation, fence beginning 45' from DER, 255' left of centerline, up to 2573' MSL.
Vehicle on road, trees, vegetation, poles beginning 60' from DER, 74' right of centerline, up to 2581' MSL.
Trees beginning 267' from DER, 479' left of centerline, up to 2577' MSL.
Trees, vegetation, vehicle on road, pole beginning 288' from DER, 8' left of centerline, up to 2590' MSL.
Vehicle on road 357' from DER, 140' right of centerline, 2582' MSL.
Pole, trees, vehicle on road beginning 362' from DER, 17' right of centerline, up to 33' AGL/2585' MSL.
Poles, trees, vehicle on road beginning 401' from DER, 42' right of centerline, up to 34' AGL/2586' MSL.
Tree, poles beginning 580' from DER, 35' right of centerline, up to 2600' MSL.
Poles, tree beginning 1029' from DER, 84' left of centerline, up to 46' AGL/2599' MSL.
Pole 1282' from DER, 781' left of centerline, 43' AGL/2602' MSL.
Poles, buildings beginning 1298' from DER, 138' left of centerline, up to 57' AGL/2616' MSL.
Buildings, poles beginning 1301' from DER, 158' right of centerline, up to 2611' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 30NOV23 (23334) (FAA)

Rwy 4, heading as assigned by ATC; requires min climb of 228' per NM to 3000.
Rwy 12, heading as assigned by ATC.
Rwy 22, heading as assigned by ATC.
Rwy 30, heading as assigned by ATC; requires min climb of 328' per NM to 6700.

VERNAL, UT

VERNAL RGNL (VEL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 07DEC17 (17341) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std. w /min. climb of 210' per NM to 6000, or alternatively with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1800' prior to DER or 2200-3 for VCOA.
Rwy 35, std. w/ min. climb of 410' per NM to 7700 or 2200-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 17, climbing left turn direct VEL VOR/DME, thence . . .
Rwy 35, climbing right turn direct VEL VOR/DME, thence . . .
. . . on VEL VOR/DME R-142 to ENSEN INT/VEL 9.7 DME and hold (hold SE, right turn, 322° inbound). Continue Climb-in-hold to the MEA/MCA for route of flight.

VCOA:

Rwys 17, 35, obtain ATC approval for VCOA when requesting IFR clearance: Climb in visual conditions to cross Vernal RGNL Airport at or above 7300, then continue climb on VEL VOR/DME R-142 until reaching the MEA/MCA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 17, terrain beginning 19' from DER, 140' right of centerline, up to 5290' MSL.
Terrain and agricultural equipment beginning 118' from DER, 15' left of centerline, up to 6' AGL/5284' MSL.
Tree 1333' from DER, 295' left of centerline, 5315' MSL.
Tree 1378' from DER, 221' left of centerline, 5317' MSL.
Tree 1456' from DER, 112' left of centerline, 5318' MSL.
Tree 1498' from DER, 32' left of centerline, 5320' MSL.
Poles beginning 1948' from DER, 46' right of centerline, up to 35' AGL/5334' MSL.
Trees beginning 2411' from DER, 19' left of centerline, up to 5370' MSL.
Tree 2439' from DER, 296' right of centerline, 5339' MSL.
Tree 2468' from DER, 288' right of centerline, 5341' MSL.
Trees beginning 2497' from DER, 290' right of centerline, up to 5344' MSL.
Trees beginning 2511' from DER, 105' left of centerline, up to 5374' MSL.

CON'T

VERNAL, UT (CON'T)

VERNAL RGNL (VEL) (CON'T)

Rwy 17 (CON'T), tree 2534' from DER, 361' right of centerline, 5355' MSL.
Tree 2553' from DER, 355' right of centerline, 5362' MSL.
Trees beginning 2573' from DER, 323' right of centerline, up to 5370' MSL.
Trees beginning 4620' from DER, 71' left of centerline, up to 5397' MSL.
Tree 4749' from DER, 184' right of centerline, 5401' MSL.
Tree 4895' from DER, 65' left of centerline, 5403' MSL.
Rwy 35, pole 178' from DER, 153' left of centerline, 5290' MSL.
Tree and pole beginning 934' from DER, 625' right of centerline, up to 5302' MSL.

WENDOVER, UT

WENDOVER (ENV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 31MAR16 (16091) (FAA)

TAKEOFF MINIMUMS:
Rwy 26, std. w/min. climb of 300' per NM to 5900.
Rwy 30, NA-ATC.

DEPARTURE PROCEDURE:
Rwys 8, 12, 26, climbing left turn direct BVL VORTAC, thence…
...continue climb in holding pattern (hold NE, right turns, 253° inbound) to cross BVL VORTAC at/above MEA for route of flight.

TAKEOFF OBSTACLE NOTES:
Rwy 12, bush 92' from DER, 258' left of centerline, 4' AGL/4227' MSL.
Rwy 26, tree 100' from DER, 500' right of centerline, 11' AGL/4240' MSL.
Bush 90' from DER, 278' left of centerline, 4' AGL/4233' MSL.

WILLCOX, AZ

COCHISE COUNTY (P33)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 03NOV22 (22307) (FAA)

DEPARTURE PROCEDURE:
Use COCHISE DEPARTURE (OBSTACLE).

WILLIAMS, AZ

H A CLARK MEML FLD (CMR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:
Rwy 18, std w/min climb of 490' per NM to 9500 or 3400-3 for VCOA.
Rwy 36, std w/min climb of 340' per NM to 7400 or 3400-3 for VCOA.

DEPARTURE PROCEDURE:
Rwy 18, climb on heading 178° to 7100, then climbing left turn on a heading between 360° CW 030° from DER.
Rwy 36, climb on heading 358° to 7700, then climbing left turn on a heading between 250° CW 350° from DER.

VCOA:
Rwys 18, 36, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross H A Clark Meml Fld airport at or above 9900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:
Rwy 18, pole 7' from DER, 37' right of centerline, 6' AGL/6692' MSL.
NAVAID 40' from DER, 124' left of centerline, 9' AGL/6693' MSL.
Terrain 69' from DER, 241' right of centerline, 6693' MSL.
Vegetation 198' from DER, 305' right of centerline, 3' AGL/6696' MSL.
Fence 215' from DER, 556' right of centerline, 8' AGL/6697' MSL.
Tree 306' from DER, 170' left of centerline, 16' AGL/6699' MSL.
Trees beginning 321' from DER, 340' right of centerline, up to 6711' MSL.
Tree 337' from DER, 195' left of centerline, 19' AGL/6700' MSL.
Tree 391' from DER, 175' left of centerline, 19' AGL/6702' MSL.
Trees beginning 444' from DER, 172' left of centerline, up to 6711' MSL.
Trees beginning 494' from DER, 267' right of centerline, up to 6714' MSL.
Trees beginning 604' from DER, 158' left of centerline, up to 6719' MSL.
Tree 635' from DER, 258' right of centerline, 6720' MSL.
Trees beginning 651' from DER, 416' right of centerline, up to 6726' MSL.
Trees beginning 924' from DER, 426' right of centerline, up to 6729' MSL.
Tree 1069' from DER, 387' left of centerline, 6725' MSL.
Trees beginning 1192' from DER, 127' left of centerline, up to 6733' MSL.
Tree 1255' from DER, 95' right of centerline, 29' AGL/6731' MSL.
Tree 1259' from DER, 613' right of centerline, 6734' MSL.
Trees beginning 1275' from DER, 246' right of centerline, up to 6736' MSL.
Tree 1411' from DER, 265' left of centerline, 41' AGL/6737' MSL.
Trees beginning 1428' from DER, 113' right of centerline, up to 39' AGL/6744' MSL.
Trees beginning 1452' from DER, 158' left of centerline, up to 40' AGL/6738' MSL.
Trees beginning 1483' from DER, 7' right of centerline, up to 41' AGL/6745' MSL.
CON'T

SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

SW-4, 07 AUG 2025 to 02 OCT 2025

WILLIAMS, AZ (CON'T)

H A CLARK MEML FLD (CMR) (CON'T)

Rwy 18 (CON'T), tree 1575' from DER, 215' left of centerline, 41' AGL/6740' MSL.
Trees beginning 1619' from DER, 3' left of centerline, up to 52' AGL/6752' MSL.
Tree 2322' from DER, 360' right of centerline, 6752' MSL.
Tree 2485' from DER, 706' right of centerline, 6756' MSL.
Tree 3128' from DER, 1202' right of centerline, 6770' MSL.
Tree 3389' from DER, 255' right of centerline, 43' AGL/6777' MSL.
Tree 3493' from DER, 809' right of centerline, 6779' MSL.
Trees beginning 3571' from DER, 312' right of centerline, up to 6785' MSL.
Trees beginning 3630' from DER, 383' right of centerline, up to 25' AGL/6792' MSL.
Trees beginning 3671' from DER, 230' right of centerline, up to 6811' MSL.
Trees beginning 4165' from DER, 407' left of centerline, up to 64' AGL/6799' MSL.
Tree 4201' from DER, 742' left of centerline, 6806' MSL.
Tree 4954' from DER, 781' left of centerline, 6821' MSL.
Tree 5223' from DER, 1377' left of centerline, 6841' MSL.
Tree 1 NM from DER, 810' left of centerline, 6860' MSL.
Tree 1.1 NM from DER, 2194' right of centerline, 6865' MSL.
Tree 1.1 NM from DER, 2128' right of centerline, 6873' MSL.
Trees beginning 1.1 NM from DER, 2138' right of centerline, up to 6886' MSL.
Trees beginning 1.1 NM from DER, 1975' right of centerline, up to 6887' MSL.
Trees beginning 1.1 NM from DER, 2078' right of centerline, up to 6898' MSL.
Trees beginning 1.2 NM from DER, 1525' right of centerline, up to 6913' MSL.
Trees beginning 1.2 NM from DER, 1865' right of centerline, up to 6933' MSL.
Trees beginning 1.2 NM from DER, 1139' right of centerline, up to 6963' MSL.
Trees beginning 1.2 NM from DER, 1009' right of centerline, up to 6966' MSL.
Trees beginning 1.2 NM from DER, 1710' right of centerline, up to 6973' MSL.
Trees beginning 1.2 NM from DER, 1580' right of centerline, up to 6980' MSL.
Tree 1.2 NM from DER, 2039' right of centerline, 6986' MSL.
Tree, terrain beginning 1.2 NM from DER, 1309' right of centerline, up to 7007' MSL.
Trees beginning 1.3 NM from DER, 1013' right of centerline, up to 7030' MSL.
Tree 1.3 NM from DER, 1992' right of centerline, 7040' MSL.
Trees beginning 1.3 NM from DER, 903' right of centerline, up to 7055' MSL.
Trees beginning 1.3 NM from DER, 1023' right of centerline, up to 7067' MSL.
Trees beginning 1.3 NM from DER, 1128' right of centerline, up to 7073' MSL.
Trees beginning 1.3 NM from DER, 1540' right of centerline, up to 7100' MSL.
Trees beginning 1.3 NM from DER, 891' right of centerline, up to 7156' MSL.
Tree, terrain beginning 1.3 NM from DER, 1104' right of centerline, up to 7160' MSL.
Tree, terrain beginning 1.3 NM from DER, 1' right of centerline, up to 56' AGL/7193' MSL.
Tree 1.3 NM from DER, 577' left of centerline, 6898' MSL.
Trees beginning 1.3 NM from DER, 81' left of centerline, up to 6912' MSL.
Trees beginning 1.4 NM from DER, 233' left of centerline, up to 6929' MSL.
Trees beginning 1.4 NM from DER, 121' left of centerline, up to 6934' MSL.
Trees beginning 1.4 NM from DER, 194' left of centerline, up to 6940' MSL.
Trees beginning 1.4 NM from DER, 68' left of centerline, up to 6956' MSL.
Tree, terrain beginning 1.4 NM from DER, 22' left of centerline, up to 6960' MSL.
Tree, terrain beginning 1.5 NM from DER, 11' left of centerline, up to 6966' MSL.
Trees beginning 1.5 NM from DER, 16' left of centerline, up to 46' AGL/6977' MSL.
Tree 1.9 NM from DER, 3407' right of centerline, 6992' MSL.
Rwy 36, light poles 7' from DER, 36' left of centerline, 2' AGL/6632' MSL.
Trees beginning 10' from DER, 368' left of centerline, up to 6640' MSL.
Trees beginning 72' from DER, 177' left of centerline, up to 18' AGL/6645' MSL.
Trees beginning 114' from DER, 289' right of centerline, up to 6642' MSL.
Trees beginning 400' from DER, 410' right of centerline, up to 6645' MSL.
Trees beginning 2 NM from DER, 2541' left of centerline, up to 7011' MSL.
Trees beginning 2 NM from DER, 2885' left of centerline, up to 7104' MSL.
Tree 2.1 NM from DER, 3044' left of centerline, 13' AGL/7146' MSL.
Tree 2.1 NM from DER, 3577' left of centerline, 16' AGL/7164' MSL.
Antenna, trees beginning 2.1 NM from DER, 2316' left of centerline, up to 20' AGL/7179' MSL.
Building, tree beginning 2.5 NM from DER, 1502' left of centerline, up to 15' AGL/7203' MSL.

WINDOW ROCK, AZ

WINDOW ROCK (RQE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05DEC19 (19339) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, 800-3 w/min. climb of 385' per NM to 8100 or std. w/min. climb of 565' per NM to 7700 or 1600-3 for VCOA.
Rwy 21, std. w/min. climb of 285' per NM to 8100 or 1600-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 3, climb on heading 025° to 7500, then right turn to intercept GUP VORTAC R-321 to GUP VORTAC before proceeding on course.
Rwy 21, climb on heading 205° to 7400 then left turn direct GUP VORTAC before proceeding on course.

CON'T

WINDOW ROCK, AZ (CON'T)

WINDOW ROCK (RQE) (CON'T)

VCOA:

Rwys 3, 21, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Window Rock Airport at or above 8200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, vegetation beginning 32' from DER, 73' left of centerline, up to 6745' MSL.
Building 416' from DER, 609' right of centerline, 19' AGL/6766' MSL.
Poles beginning 477' from DER, 344' right of centerline, up to 33' AGL/6772' MSL.
Tree, pole beginning 1336' from DER, 114' left of centerline, up to 6796' MSL.
Sign 1380' from DER, 109' right of centerline, 29' AGL/6777' MSL.
Pole 1448' from DER, 291' right of centerline, 39' AGL/6788' MSL.
Tree 1586' from DER, 392' left of centerline, 6806' MSL.
Sign, pole beginning 1774' from DER, 225' right of centerline, up to 52' AGL/6805' MSL.
Pole 1868' from DER, 746' left of centerline, 38' AGL/6823' MSL.
Pole 3038' from DER, 91' right of centerline, 40' AGL/6824' MSL.
Pole 3356' from DER, 457' left of centerline, 31' AGL/6840' MSL.
Tree 3532' from DER, 613' left of centerline, 6850' MSL.
Tree 3801' from DER, 682' left of centerline, 6871' MSL.
Vertical structure, poles beginning 3832' from DER, 57' right of centerline, up to 6926' MSL.
Pole 4044' from DER, 310' left of centerline, 44' AGL/6874' MSL.
Tree 4616' from DER, 625' left of centerline, 6888' MSL.
Vertical structure 5938' from DER, 147' right of centerline, 7024' MSL.
Pole, vertical structures, towers beginning 1 NM from DER, 59' left of centerline, up to 6' AGL/7083' MSL.
Tower, tree beginning 1.1 NM from DER, 102' right of centerline, up to 103' AGL/7096' MSL.
Trees beginning 1.3 NM from DER, 2063' right of centerline, up to 50' AGL/7309' MSL.
Vertical structures beginning 1.4 NM from DER, 1852' left of centerline, up to 7127' MSL.
Trees beginning 1.4 NM from DER, 121' right of centerline, up to 50' AGL/7369' MSL.
Vertical structure, tree beginning 1.5 NM from DER, 628' left of centerline, up to 50' AGL/7139' MSL.
Trees beginning 1.6 NM from DER, 875' right of centerline, up to 50' AGL/7375' MSL.
Tree 1.8 NM from DER, 357' left of centerline, 50' AGL/7351' MSL.
Tree 1.9 NM from DER, 77' left of centerline, 50' AGL/7369' MSL.
Tree 2.1 NM from DER, 26' left of centerline, 50' AGL/7429' MSL.
Tree 2.4 NM from DER, 2921' right of centerline, 50' AGL/7449' MSL.
Rwy 21, tree 955' from DER, 382' left of centerline, 6736' MSL.
Tree 1018' from DER, 620' left of centerline, 6768' MSL.

WINNEMUCCA, NV

WINNEMUCCA MUNI (WMC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (23278) (FAA)

DEPARTURE PROCEDURE:

Use FESKO (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 2, trees, NAVAID beginning 3' from DER, 113' right of centerline, up to 4356' MSL.
NAVAID 39' from DER, 118'left of centerline, 8' AGL/4311' MSL.
Tree 81' from DER, 402' right of centerline, 4357' MSL.
Trees, vehicles on road beginning 98' from DER, 166' right of centerline, up to 4373' MSL.
Tree 1177' from DER, 576' left of centerline, 4346' MSL.
Tree 1265' from DER, 763' left of centerline, 4349' MSL.
Tree 1404' from DER, 647' left of centerline, 4360' MSL.
Rwy 14, pole 1' from DER, 24' left of centerline, 4304' MSL.
NAVAID 40' from DER, 126' left of centerline, 4305' MSL.
Vehicles on road, vegetation, trees beginning 121' from DER, 328' left of centerline, up to 4319' MSL.
Tree 178' from DER, 438' right of centerline, 4310' MSL.
Vehicles on road beginning 259' from DER, 406' left of centerline, up to 4321' MSL.
Rwy 20, tree 26' from DER, 406' right of centerline, 4306' MSL.
Pole 65' from DER, 385' left of centerline, 8' AGL/4311' MSL.
Tree 129' from DER, 192' right of centerline, 4308' MSL.
Rwy 32, NAVAID 39' from DER, 123' left of centerline, 3' AGL/4303' MSL.
Vegetation 77' from DER, 351' left of centerline, 4304' MSL.
Tree 166' from DER, 478' right of centerline, 4306' MSL.
Vehicles on road beginning 184' from DER, 405' left of centerline, up to 4314' MSL.
Vehicles on road beginning 273' from DER, 267' right of centerline, up to 4316' MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

25191

WINSLOW, AZ

WINSLOW-LINDBERGH RGNL (INW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 11DEC14 (14345) (FAA)

DEPARTURE PROCEDURE:

Rwy 22, climb to 6000, then right turn direct INW VORTAC and hold, thence . . .
Rwy 4, climb to 6000, then left turn direct INW VORTAC and hold, thence . . .
Rwys 11, 29, climb to 6000, then direct INW VORTAC and hold, thence . . .
. . . continue climb-in-hold (hold West, right turns, 068° inbound) to 8900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 11, vehicle on road beginning 389' from DER, 329' right of centerline, 15' AGL/4894' MSL.
Trees beginning 120' from DER, 398' right of centerline, 100' AGL/4901' MSL.
Tank 3681' from DER, 1304' right of centerline, 129' AGL/5014' MSL.
Grain silo 2901' from DER, 25' right of centerline, up to 4957' MSL.
Obstruction light on hopper 2908' from DER, 27' right of centerline, up to 4955' MSL.
Chimney 2899' from DER, 28' right of centerline, up to 4953' MSL.
Light support structure 13' from DER, 55' left of centerline, up to 4871' MSL.
Light support structure 13' from DER, 56' right of centerline, up to 4871' MSL.
Vertical point 234' from DER, 14' left of centerline, up to 4876' MSL.
Rwy 29, tree 332' from DER, 589' left of centerline 100' AGL/4915' MSL.
Trees beginning 385' from DER, 124' right of centerline, 100' AGL/4923' MSL.
Vehicle on road beginning 31' from DER, 389' right of centerline 15' AGL/4920' MSL.
REIL abeam DER, 139' left of centerline, up to 4904' MSL.
Bush 38' from DER, 179' right of centerline, up to 4903' MSL.
Pole 2132' from DER, 1052' right of centerline, up to 4956' MSL.
Vertical point 241' from DER, 318' right of centerline, up to 4907' MSL.
Ground 71' from DER, 456' left of centerline, up to 4902' MSL.
Rwy 4, light 4' from DER, 425' left of centerline, up to 4920' MSL.
Obstruction light on lighted windsock 12' from DER, 424' left of centerline, up to 4918' MSL.
Tree 34' from DER, 263' left of centerline, 100' AGL/4901' MSL.
Tower 2740' from DER, 1086' left of centerline, up to 4968' MSL.
Ground 42' from DER, 455' left of centerline, up to 4892' MSL.
Rwy 22, poles beginning 1575' from DER, 360' right of centerline, up to 5010' MSL.
Antenna 1867' from DER 360' right of centerline up to 5019' MSL.
Vehicle on road beginning 198' from DER, 12' right of centerline, 15' AGL/4994' MSL.
Vehicle on road beginning 499' from DER, 93' left of centerline, 15' AGL/4962' MSL.
Tree 1746' from DER, 581' right of centerline, 100' AGL/4993' MSL.
Vertical point 31' from DER, 479' left of centerline, up to 4946' MSL.
Building 525' from DER, 528' right of centerline, up to 4956' MSL.
Light support structures 10' from DER, 54' right of centerline, up to 4942' MSL.

YERINGTON, NV

YERINGTON MUNI (O43)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05SEP24 (24249) (FAA)

DEPARTURE PROCEDURE:

Use YERINGTON (OBSTACLE) (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 2, pole, vertical point, terrain beginning 15' from DER, 104' right of centerline, up to 6' AGL/4377' MSL.
Trees, NAVAID beginning 54' from DER, 198' right of centerline, up to 22' AGL/4391' MSL.
Vehicles on road beginning 106' from DER, 161' left of centerline, up to 4388' MSL.
Trees beginning 363' from DER, 307' right of centerline, up to 25' AGL/4395' MSL.
Trees beginning 445' from DER, 523' right of centerline, up to 4430' MSL.
Tree 519' from DER, 476' right of centerline, 4436' MSL.
Tree 543' from DER, 641' left of centerline, 45' AGL/4415' MSL.
Tree 816' from DER, 330' right of centerline, 4441' MSL.
Trees beginning 1795' from DER, 87' right of centerline, up to 4450' MSL.
Tree 2561' from DER, 798' right of centerline, 85' AGL/4454' MSL.
Rwy 20, terrain 3' from DER, 241' left of centerline, 4382' MSL.
Poles, trees, fence, vehicle on road beginning 56' from DER, 433' left of centerline, up to 44' AGL/4421' MSL.
Tree 58' from DER, 48' right of centerline, 4382' MSL.
Pole, wind indicator, NAVAID, building, terrain, fences, vehicles on road, tank, tree beginning 91' from DER, 72' right of centerline, up to 34' AGL/4415' MSL.
Building, poles, trees, vehicles on road beginning 368' from DER, 241' left of centerline, up to 44' AGL/4430' MSL.
Tree 734' from DER, 477' right of centerline, 57' AGL/4436' MSL.
Antenna, tower, poles, trees, building beginning 755' from DER, 40' left of centerline, up to 73' AGL/4457' MSL.
Trees, buildings, poles beginning 876' from DER, 63' right of centerline, up to 59' AGL/4439' MSL.
Tower 1361' from DER, 505' left of centerline, 81' AGL/4461' MSL.
Antennas, building, poles, trees beginning 1361' from DER, 233' left of centerline, up to 82' AGL/4464' MSL.
Towers, trees beginning 2023' from DER, 33' left of centerline, up to 90' AGL/4473' MSL.
Antenna 2473' from DER, 756' left of centerline, 124' AGL/4508' MSL.
Tree 2481' from DER, 39' right of centerline, 62' AGL/4445' MSL.
Towers, trees beginning 2489' from DER, 70' left of centerline, up to 127' AGL/4511' MSL.
Tree 2561' from DER, 187' right of centerline, 4455' MSL.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SW-4, 07 AUG 2025 to 02 OCT 2025

YERINGTON, NV (CON'T)

YERINGTON MUNI (O43) (CON'T)

Rwy 20 (CON'T), tree 2608' from DER, 222' right of centerline, 73' AGL/4456' MSL.
Tree 3020' from DER, 192' right of centerline, 4458' MSL.
Terrain beginning 1.8 NM from DER, 3194' right of centerline, up to 4674' MSL.
Terrain beginning 1.9 NM from DER, 2711' right of centerline, up to 4684' MSL.
Trees 2.1 NM from DER, 4018' right of centerline, 100' AGL/4769' MSL.
Trees beginning 2.2 NM from DER, 4075' right of centerline, up to 100' AGL/4772' MSL.

YUMA MCAS/YUMA INTL (KNYL)

YUMA, AZ

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22APR21 (21112) (USN)

DEPARTURE PROCEDURE:

Rwys 3L/R, 17, 21L/R, 26, 35, diverse departures authorized.
Rwy 8, diverse departures authorized between 258° CW 058°.

TAKEOFF OBSTACLE NOTES:

Rwy 3L, terrain 0' from DER, 500' left of cntrln, 194' MSL.
Terrain 0' from DER, 500' right of cntrln, 197' MSL.
Sisoo tree 4274' from DER, 927' left of cntrln, 86' AGL/300' MSL.
Sisoo tree 4185' from DER, 1016' left of cntrln, 91' AGL/304' MSL.
Twr N of airfield 5273' from DER, 1538' left of cntrln, 335' MSL.
Twr 2688' from DER, 1232' left of cntrln, 62' AGL/299' MSL.
Rwy 3R, terrain 0' from DER, 500' right of cntrln, 208' MSL.
Palm 1184' from DER, 742' left of cntrln, 41' AGL/255' MSL.
Palm 1134' from DER, 792' left of cntrln, 36' AGL/250' MSL.
Rwy 8, security antenna 1135' from DER, 806' right of cntrln, 32' AGL/242' MSL.
Rwy 17, twr 4362' from DER, 1180' right of cntrln, 65' AGL/265' MSL.
Twr 4506' from DER, 1284' right of cntrln, 50' AGL/250' MSL.
Twr 4510' from DER, 1343' right cntrln, 50' AGL/250' MSL.
Terrain 0' from DER, 500' right of cntrln, 184' MSL.
Antenna 303' from DER, 403' right of cntrln, 190' MSL.
Rwy 21L, TACAN antenna 705' from DER, 286' left of cntrln, 220' MSL.
PAR antenna 661' from DER, 295' right of cntrln, 214' MSL.
Rwy 26, palm 577' from DER, 604' right of cntrln, 44' AGL/239' MSL.
Metal pole 74' from DER, 244' right of cntrln, 199' MSL.
Rwy 35, terrain 0' from DER, 500' right of cntrln, 197' MSL.
Billboard 747' from DER, 562' right of cntrln, 225' MSL.
Lgt pole 679' from DER, 344' left of cntrln, 25' AGL/220' MSL.
Metal lgt pole N of afld 714' from DER, 544' left of cntrln, 119' AGL/231' MSL.
Palm 1075' from DER, 721' left of cntrln, 57' AGL/253' MSL.
Pylon pole 711' from DER, 476' left of cntrln, 32' AGL/228' MSL.
Pylon power 711' from DER, 520' left of cntrln, 37' AGL/232' MSL.
Pylon power 712' from DER, 540' left of cntrln, 38' AGL/233' MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability. A NA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the A NA designation are not listed in this section. A designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate. A procedure is not authorized for alternate flight planning purposes when local weather is not available.

MILITARY USERS NOTE: For IFR alternate airport and minima planning, refer to appropriate service directives.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	**600-2**	**800-2**
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

BATTLE MOUNTAIN, NV
BATTLE MOUNTAIN (BAM).....**RNAV (GPS) Rwy 4**[12]
RNAV (GPS) Rwy 22[3]
VOR Rwy 4[2]
[1]Cat A, B 1000-2, Cat C 1000-2¾.
[2]NA when local weather not available.
[3]Cat D 1000-3.

BEAVER, UT
BEAVER MUNI (U52).....**RNAV (GPS)-A**
Cat A, B 1300-2, Cat C 1800-3.

BLANDING, UT
BLANDING MUNI (BDG).....**RNAV (GPS) Rwy 35**
Cat C 900-2¾.
NA when local weather not available.

BOULDER CITY, NV
BOULDER CITY MUNI (BVU).....**RNAV (GPS) Rwy 27**
Cat B 1200-2, Cat C 1800-3.

NAME ALTERNATE MINIMUMS

BULLHEAD CITY, AZ
LAUGHLIN/BULLHEAD INTL (IFP).....**RNAV (GPS) Rwy 16**[12]
RNAV (GPS) Rwy 34[3]
VOR Rwy 34[4]
[1]Cat A 800-2½, Cat B 900-2½, Cat C 1100-3, Cat D 1700-3.
[2]NA when local weather not available.
[3]Cat A, B 1100-2, Cat C 1100-3, Cat D 1700-3.
[4]Cat A, B 2200-2, Cat C, D 2200-3.

CARSON CITY, NV
CARSON CITY (CXP).....**RNAV (GPS)-B**
Cat A, B 1700-2, Cat C 1700-3, Cat D 3000-3.

CASA GRANDE, AZ
CASA GRANDE MUNI (CGZ).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23[1]
Cat D 800-2½.
[1]NA when local weather not available.

SW-4, 07 AUG 2025 to 02 OCT 2025

NAME ALTERNATE MINIMUMS

CEDAR CITY, UT
CEDAR CITY RGNL (CDC)...**RNAV (GPS) Rwy 2**[1]
RNAV (GPS) Rwy 20
VOR Rwy 20[2]
NA when local weather not available.
[1]Cat A, B, C, D 900-2½.
[2]Cat D 800-2¼.

COLORADO CITY, AZ
COLORADO CITY
MUNI (AZC).....**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29
Cat C, D 2100-3.

COOLIDGE, AZ
COOLIDGE MUNI (P08).....**RNAV (GPS) Rwy 23**
VOR Rwy 5
NA when local weather not available.

DOUGLAS BISBEE, AZ
BISBEE DOUGLAS
INTL (DUG).....**RNAV (GPS) Rwy 17**[1]
VOR/DME Rwy 17[1]
VOR Rwy 17[2]
[1]Cat D 1100-3.
[2]Cat C 800-2½, Cat D 1100-3.

ELKO, NV
ELKO RGNL (EKO).....**RNAV (GPS) Rwy 6**[1]
RNAV (GPS) Rwy 24[1]
LDA/DME Rwy 24[2]
[1]Cat A, B 1200-2, Cat C 1500-3, Cat D 1900-3.
[2]Cat B 1000-2, Cat C 1500-3, Cat D 1900-3.

ELY, NV
ELY/YELLAND FLD (ELY)...**RNAV (GPS) Rwy 18**[1]
VOR-C[2]
NA when local weather not available.
[1]Cat A, B, C 1100-4, Cat D 2000-4.
[2]Cat A, B 1900-2, Cat C 1900-3, Cat D 2000-3.

EUREKA, NV
EUREKA (05U).....**RNAV (GPS) Rwy 18**
Cat A, B, C, D 2000-6.

FILLMORE, UT
FILLMORE MUNI (FOM).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
Cat C 1300-3.
NA when local weather not available.

NAME ALTERNATE MINIMUMS

FLAGSTAFF, AZ
FLAGSTAFF
PULLIAM (FLG).....**ILS or LOC Rwy 21**[1]
RNAV (GPS) Rwy 3[2]
RNAV (GPS) Rwy 21[2]
VOR Rwy 21[2]
[1]ILS, LOC Cat C 1100-3, Cat D 1600-3.
[2]Cat C 1100-3, Cat D 1600-3.

FORT HUACHUCA SIERRA VISTA, AZ
SIERRA VISTA MUNI-LIBBY
AAF (FHU).....**ILS or LOC Rwy 26**[1]
RNAV (GPS) Rwy 8[1]
RNAV (GPS) Rwy 26[1]
VOR Rwy 26[1]
TACAN Rwy 8[23]
TACAN Rwy 26[23]
[1]NA when control tower closed.
[2]NA when GCA closed.
[3]NA when local weather not available.

GLENDALE, AZ
GLENDALE RGNL (GEU).....**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.

GRAND CANYON, AZ
GRAND CANYON
NTL PARK (GCN).....**ILS or LOC Rwy 3**[12]
RNAV (GPS) Rwy 3[3]
VOR Rwy 3[4]
[1]ILS Cat C 700-2, Cat D 1100-3; LOC Cat D 1100-3.
[2]NA when control tower closed.
[3]Cat C 800-3, Cat D 1100-3.
[4]Cat D 1100-3.

HAWTHORNE, NV
HAWTHORNE
INDUSTRIAL (HTH).....**RNAV (GPS) Rwy 28**
Cat C 1500-3.

HEBER, UT
HEBER VALLEY (HCR).....**RNAV (GPS)-A**
Cat A, B 2400-2, Cat C 2400-3.

KANAB, UT
KANAB MUNI (KNB).....**RNAV (GPS) Rwy 1**
Cat B 1300-2, Cat C 1600-3.

SW-4, 07 AUG 2025 to 02 OCT 2025

NAME ALTERNATE MINIMUMS

KINGMAN, AZ

KINGMAN (IGM).....**RNAV (GPS) Rwy 3**[1]
RNAV (GPS) Y Rwy 21[1]
VOR/DME Rwy 21[2]

[1]Cat C, D 1000-3.
[2]Cat C 1000-3, Cat D 1900-3.

LAKE HAVASU CITY, AZ

LAKE HAVASU CITY (HII)...**RNAV (GPS) Rwy 14**[1]
RNAV (GPS) Rwy 32[2]
VOR-A[3]

NA when local weather not available.
[1]Cat A, B 1600-2, Cat C, D 1600-3.
[2]Cat A, B 900-2, Cat C 1100-3, Cat D 1400-3.
[3]Cat A, B 1100-2, Cat C 1100-3, Cat D 1400-3.

LAS VEGAS, NV

HARRY REID INTL (LAS).....**ILS or LOC Rwy 1L**[1]
ILS Y or LOC Y Rwy 26L[1]
ILS Y or LOC Y Rwy 26R[1]
ILS Z or LOC Z Rwy 26L[2]
ILS Z or LOC Z Rwy 26R[2]
RNAV (GPS) Rwy 1R[3]
RNAV (GPS) Y Rwy 19L[3]
RNAV (GPS) Y Rwy 19R[3]
VOR/DME-A[4]
VOR Rwy 26L/R[3]

[1]LOC Cat A, B 900-2, Cat C 1000-2¾, Cat D 1400-3.
[2]LOC Cat A, B 900-2, Cat C 1000-2¾, Cat D, E 1400-3.
[3]Cat A, B 900-2, Cat C 1000-2¾, Cat D 1400-3.
[4]Cat A, B 900-2, Cat C, D 1100-3.

HENDERSON EXEC (HND).....**RNAV (GPS)-B**[1]
VOR-C[2]

NA when local weather not available.
[1]Cat A, B 1400-2, Cat C 1400-3.
[2]Cat A, B 2400-2, Cat C 2400-3.

NORTH
LAS VEGAS (VGT).....**ILS or LOC Rwy 12L**[1]
RNAV (GPS) Rwy 12R[2]

NA when local weather not available.
[1]NA when control tower closed.
[2]Cat D 1400-3.

LOGAN, UT

LOGAN-CACHE (LGU).....**RNAV (GPS) Rwy 17**
Cat A, B 1400-2, Cat C, D 1400-3.

NAME ALTERNATE MINIMUMS

LOVELOCK, NV

DERBY FLD (LOL).....**RNAV (GPS) Rwy 2**[1]
RNAV (GPS) Rwy 20[1]
VOR-A[2]

[1]Cat D 800-2½.
[2]Cat A, B 900-2, Cat C 900-2¾, Cat D 1000-3.

MANTI, UT

MANTI-EPHRAIM (41U).....**RNAV (GPS) Rwy 3**
Cat C 800-2¼, Cat D 2200-3.

MARANA, AZ

MARANA RGNL (AVQ).....**RNAV (GPS)-E**
Cat C 800-2¼.
NA when local weather not available.

MESA, AZ

FALCON FLD (FFZ).....**RNAV (GPS) Rwy 4L**
RNAV (GPS) Rwy 4R
RNAV (GPS)-B

NA when local weather not available.

MILFORD, UT

MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF).....**RNAV (GPS) Rwy 16**[1]
RNAV (GPS) Rwy 34[1]
VOR/DME -A[2]
VOR/DME-A[1]

[1]NA when local weather not available.
[2]Cat C 1300-3, Cat D 1500-3.

MINDEN, NV

MINDEN-TAHOE (MEV).....**RNAV (GPS) Rwy 16**[1]
RNAV (GPS) Rwy 34[2]

[1]Cat A, B, C 1500-5, Cat D 1800-5.
[2]Cat A, B 1000-2½, Cat C 1200-3.

MOAB, UT

CANYONLANDS
RGNL (CNY).....**RNAV (GPS) Rwy 3**
VOR-A

Cat C 1100-3, Cat D 1700-3.

NOGALES, AZ

NOGALES INTL (OLS).....**RNAV (GPS)-A**[1]
VOR-B[2]

[1]Cat A, B 2600-2, Cat C 2600-3, Cat D 2900-3.
[2]Cat A, B 2700-2, Cat C 2700-3, Cat D 2900-3.

NAME ALTERNATE MINIMUMS

OGDEN, UT
OGDEN-HINCKLEY (OGD).....**ILS or LOC Rwy 3**[1]
RNAV (GPS) Rwy 3[23]
VOR-A[23]
[1]NA when control tower closed.
[2]Cat D 800-2¼.
[3]NA when local weather not available.

OWYHEE, NV
OWYHEE (10U).....**RNAV (GPS) Rwy 5**
Cat D 1500-3.

PANGUITCH, UT
PANGUITCH MUNI (U55).....**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36[1]
NA when local weather not available.
[1]Cat A, B 1200-2.

PAYSON, AZ
PAYSON (PAN).....**RNAV (GPS) Rwy 24**
Cat D 1000-3.

PHOENIX, AZ
MESA GATEWAY (IWA)....**ILS or LOC Rwy 30C**[123]
RNAV (GPS) Rwy 12C[4]
RNAV (GPS) Rwy 12R[35]
RNAV (GPS) Rwy 30L[34]
RNAV (GPS) Rwy 30R[3]
RNAV (GPS) Y Rwy 30C[34]
VOR or TACAN Rwy 30C[1]
[1]ILS Cat E 700-2¼; LOC Cat E 800-2¼.
[2]NA when control tower closed.
[3]NA when local weather not available.
[4]Cat E 800-2¼.
[5]Cat E 1100-3.

PHOENIX
DEER VALLEY (DVT).....**RNAV (GPS) Rwy 7R**[1]
RNAV (GPS) Rwy 25L[1]
RNAV (GPS)-B[2]
NA when local weather not available.
[1]Cat A, B 1000-2, Cat C 1200-3, Cat D 1300-3.
[2]Cat A, B 1000-2, Cat C 1200-3.

NAME ALTERNATE MINIMUMS

PHOENIX, AZ (CON'T)
PHOENIX SKY HARBOR
INTL (PHX).....**ILS or LOC Rwy 7R**[1]
ILS or LOC Rwy 8[1]
ILS or LOC Rwy 25L[1]
ILS or LOC Rwy 26[1]
ILS or LOC/DME Rwy 7L[1]
RNAV (GPS) Y Rwy 7L[2]
RNAV (GPS) Y Rwy 7R[2]
RNAV (GPS) Y Rwy 8[3]
RNAV (GPS) Y Rwy 25L[3]
RNAV (GPS) Y Rwy 25R[2]
RNAV (GPS) Y Rwy 26[3]
[1]LOC Cat C 1000-2¾, Cat D 1500-3.
[2]Cat C 1000-2¾, Cat D 1500-3.
[3]Cat C 1000-2¾, Cat D 1300-3.

PRESCOTT, AZ
PRESCOTT RGNL/ERNEST A LOVE
FLD (PRC).....**ILS or LOC/DME Rwy 21L**[12]
RNAV (GPS) Rwy 12[3]
RNAV (GPS) Rwy 21L[3]
RNAV (GPS) Y Rwy 3R[3]
VOR Rwy 12[4]
[1]ILS Cat B 700-2, Cat C 1100-3, Cat D 1700-3; LOC Cat C 1100-3, Cat D 1700-3.
[2]NA when control tower closed.
[3]Cat C 1100-3, Cat D 1700-3.
[4]Cat C 1100-3.

PRICE, UT
CARBON COUNTY RGNL/BUCK DAVIS
FLD (PUC).....**RNAV (GPS) Rwy 1**
Cat B 1000-2, Cat C 1200-3.

PROVO, UT
PROVO MUNI (PVU).....**ILS or LOC Rwy 13**[12]
RNAV (GPS) Rwy 13[3]
[1]LOC Cat D 800-2½.
[2]NA when control tower closed.
[3]Cat D 800-2½.

SW-4, 07 AUG 2025 to 02 OCT 2025

NAME ALTERNATE MINIMUMS

RENO, NV
RENO/TAHOE
INTL (RNO).....**ILS or LOC Rwy 35L**[1]
ILS X or LOC X Rwy 17R[2]
ILS Z or LOC Z Rwy 17R[2]
ILS Y Rwy 17R[3]
RNAV (RNP) W Rwy 35L[4]
RNAV (RNP) W Rwy 35R[4]
RNAV (RNP) Z Rwy 35L[4]
RNAV (RNP) Z Rwy 35R[4]
RNAV (GPS) X Rwy 17L[5]
RNAV (GPS) X Rwy 17R[6]
RNAV (GPS) X Rwy 35L[7]
RNAV (GPS) X Rwy 35R[8]
RNAV (GPS) Y Rwy 35L[9]
LOC Y Rwy 17R[a]
VOR-D[b]
TACAN-F[c]
[1]ILS 700-2; LOC Cat A, B 1000-2, Cat C 2100-3.
[2]ILS Cat A, B, C, D 800-2; LOC Cat A, B 1100-2, Cat C, D 2100-3.
[3]Cat A, B, C, D, E 1500-5.
[4]Cat A, B, C, D 1000-2½.
[5]Cat A, B 1000-2, Cat C, D 2100-3.
[6]Cat A, B 1800-2, Cat C, D 1800-3.
[7]Cat A, B 1200-4, Cat C, D 2100-4.
[8]Cat A, B 1100-4, Cat C, D 2100-4.
[9]Cat A, B, C 1000-2½.
[a]Cat A, B 1600-2, Cat C, D 2100-3, Cat E 2300-3.
[b]Cat A, B 1900-2, Cat C, D 2100-3.
[c]Cat A, B 1900-2, Cat C, D, E 2100-3.

SAFFORD, AZ
SAFFORD RGNL/1LT DUANE SPALSBURY
FLD (SAD).....**RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
Cat D 800-2¼.
NA when local weather not available.

ST GEORGE, UT
ST GEORGE RGNL (SGU)...**RNAV (GPS) Rwy 1**[1]
RNAV (GPS) Rwy 19[2]
[1]Cat A 900-2, Cat B 1000-2, Cat C 1000-3.
[2]Cat A, B 1100-2, Cat C 1100-3, Cat D 1800-3.

ST JOHNS, AZ
ST JOHNS INDUSTRIAL
AIR PARK (SJN).....**RNAV (GPS) Rwy 14**
VOR-A
NA when local weather not available.

SALT LAKE CITY, UT
SOUTH VALLEY
RGNL (SVR).....**RNAV (GPS) Rwy 34**
Cat C 1200-3, Cat D 1500-3.
NA when local weather not available.

NAME ALTERNATE MINIMUMS

SCOTTSDALE, AZ
SCOTTSDALE (SDL).....**RNAV (GPS)-D**[1]
RNAV (GPS)-E[1]
VOR/DME-A[2]
NA when local weather not available.
[1]Cat C 1000-2¾, Cat D 1800-3.
[2]Cat A, B 900-2, Cat C 1000-2¾, Cat D 1800-3.

SEDONA, AZ
SEDONA (SEZ).....**RNAV (GPS) Rwy 3**
Cat A 900-2, Cat B 1100-2, Cat C 2300-3, Cat D 1900-3.

SHOW LOW, AZ
SHOW LOW RGNL (SOW)...**RNAV (GPS) Rwy 25**
Cat C 800-2¼, Cat D 1000-3.
NA when local weather not available.

TONOPAH, NV
TONOPAH (TPH).....**VOR-A**
Cat A, B 1300-2, Cat C, D 1300-3.

TOOELE, UT
BOLINDER FLD/
TOOELE VALLEY (TVY).....**ILS or LOC Rwy 17**[1]
RNAV (GPS) Rwy 17[2]
[1]ILS Cat C 800-2, Cat D 1100-3; LOC Cat D 1100-3.
[2]Cat D 1100-3.

TUCSON, AZ
RYAN FLD (RYN).....**RNAV (GPS) Rwy 6R**
Cat D 1000-3.

TUCSON INTL (TUS).....**ILS or LOC Rwy 12**[1]
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 22[3]
RNAV (GPS) Z Rwy 12[4]
RNAV (GPS) Z Rwy 30[4]
VOR or TACAN Rwy 12[5]
VOR or TACAN Rwy 30[6]
[1]LOC Cat A, B 900-2, Cat C 900-2¾, Cat D 1000-3, Cat E 1300-3.
[2]Cat A, B, C 800-2½, Cat D 1100-3.
[3]Cat D 1100-3.
[4]Cat D 1000-3.
[5]Cat D 1000-3, Cat E 1300-3.
[6]Cat D 1100-3, Cat E 1300-3.

SW-4, 07 AUG 2025 to 02 OCT 2025

NAME	ALTERNATE MINIMUMS

VERNAL, UT

VERNAL RGNL (VEL).....**RNAV (GPS) Y Rwy 35**[1]
RNAV (GPS) Z Rwy 35[2]
VOR Rwy 35[3]

NA when local weather not available.
[1]Cat A, B 1100-2, Cat C 1100-3, Cat D 1200-3.
[2]Cat A, B, C, D 1000-2½.
[3]Cat A, B 900-2, Cat C 900-2¾, Cat D 1200-3.

WENDOVER, UT

WENDOVER (ENV).....**RNAV (GPS)-A**[12]
RNAV (GPS)-C[23]
VOR/DME-B[4]
VOR/DME or TACAN Rwy 26[5]

[1]Cat A, B 1900-2, Cat C, D, E 1900-3.
[2]NA when local weather not available.
[3]Cat A, B 1800-2, Cat C, D, E 1800-3.
[4]Cat A, B 1300-2, Cat C 1300-3, Cat D, E 1500-3.
[5]Cat D 900-2¾, Cat E 1500-3.

WILLCOX, AZ

COCHISE COUNTY (P33).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21

NA when local weather not available.

WILLIAMS, AZ

H A CLARK MEML
FLD (CMR).....**RNAV (GPS) Rwy 18**
Cat A, B 900-2, Cat C, D 1400-3.

WINDOW ROCK, AZ

WINDOW ROCK (RQE).....**RNAV (GPS) Rwy 3**[1]
RNAV (GPS)-B[2]
VOR-A[2]

NA when local weather not available.
[1]Cat A, B 1000-2, Cat C 1100-3.
[2]Cat A, B 1000-2, Cat C 1100-3, Cat D 1400-3.

WINNEMUCCA, NV

WINNEMUCCA
MUNI (WMC).....**RNAV (GPS) Rwy 14**[1]
RNAV (GPS) Rwy 32

NA when local weather not available.
[1]Cat C 800-2¼, Cat D 800-2½.

WINSLOW, AZ

WINSLOW-LINDBERGH
RGNL (INW).....**VOR or GPS Rwy 11**
Cat D 800-2½.

RADAR INSTRUMENT APPROACH MINIMUMS

FALLON NAS (VAN VOORHIS FLD) (KNFL), Fallon, NV Amdt 4

21APR22 (22111) (USN) ELEV **3935**

RADAR[1] **- (E)** 120.85x 121.875x 257.65x 277.4x 308.4x 346.4x 360.2x T

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR	7	3.0°/50/931	ABCDE	**4130**-¾	200	(200-¾)
	13L	3.0°/50/954	ABCDE	**4135**-¾	200	(200-¾)
	13R	3.0°/50/958	ABCDE	**4135**-¾	200	(200-¾)
	31L[2]	3.5°/57/934	ABCDE	**4197**-⅞	270	(300-⅞)
	31R	3.5°/57/925	ABCDE	**4198**-⅞	270	(300-⅞)
ASR	31L[3]		ABCDE	**4200**-1	273	(300-1)
	31R[4]		ABCDE	**4220**-1	292	(300-1)
	7		AB	**4340**-1	410	(500-1)
			CDE	**4340**-1⅛	410	(500-1⅛)
	13L[5]		AB	**4340**-1	405	(500-1)
			CDE	**4340**-1⅛	405	(500-1⅛)
	13R[6]		AB	**4340**-1	405	(500-1)
			CDE	**4340**-1⅛	405	(500-1⅛)
C CIR	ALL RWY		AB	**4400**-1	465	(500-1)
			C	**4700**-2¼	765	(800-2¼)
			D	**4920**-3	985	(1000-3)
			E	**4960**-3	1025	(1100-3)

CAUTION: ATC Missed Approach Minimum Climb Rate to 6500

PAR/ASR	Rwy	Knots	60	120	180	240	300	360
	7	FPM	370	740	1110	1480	1850	2220
	13L/R	FPM	300	600	900	1200	1500	1800

[1]No-NOTAM MP sked: PAR-2200-0000Z++ Thu, ASR-1500-1700Z++ Wed, when ceil-vis 3000-5 and above.
[2]VGSI and PAR glidepath not coincident (VGSI Angle 3.50/TCH 61).
[3]Step Down Fix 3 NM 4980'.
[4]Step Down Fix 3 NM 4940'.
[5]Step Down Fix 3 NM 4960'.
[6]Step Down Fix 2 NM 4600'.
CAUTION: Fallon Muni Airport (uncontrolled) 5 NM NW pattern altitude 800' AGL.

SW-4, 07 AUG 2025 to 02 OCT 2025

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS
24081

N1

RADAR INSTRUMENT APPROACH MINIMUMS

YUMA MCAS/YUMA INTL (KNYL), Yuma, AZ Amdt 1 22APR21

(21112) (USN) ELEV **213**

RADAR - (E) 120.9x 124.15x 125.55x 125.95x 254.0x 270.8x 278.7x 286.0x 301.2x 305.2x

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR	21R[1]	3.0°/54/1073	ABCDE	**393**-½	200	(200-½)
	3L	3.0°/54/1021	ABCDE	**395**-¾	200	(200-¾)
PAR W/O GS	3L		ABCDE	**560**-1	365	(400-1)
	21R[2]		AB	**600**-½	407	(400-½)
			CDE	**600**-¾	407	(400-¾)
ASR	3L		ABCDE	**560**-1	365	(400-1)
	3R		AB	**600**-1	412	(400-1)
			CDE	**600**-1⅛	412	(400-1⅛)
	21L		AB	**640**-1	432	(500-1)
			CDE	**640**-1¼	432	(500-1¼)
	21R[3]		AB	**640**-½	447	(500-½)
			CDE	**640**-⅞	447	(500-⅞)
CIR	ALL RWY		A	**680**-1	467	(500-1)
			B	**700**-1	487	(500-1)
			C	**800**-1½	587	(600-1½)
			DE	**800**-2	587	(600-2)

[1]When ALS inop, increase CAT ABCDE vis to ¾ mile.
[2]When ALS inop, increase CAT AB vis to 1 mile, CAT CDE vis to 1⅛ miles.
[3]When ALS inop, increase CAT AB vis to 1 mile, CAT CDE vis to 1⅜ miles.

SW-4, 07 AUG 2025 to 02 OCT 2025

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS
24081

N2

24305

LAND AND HOLD-SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold-Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	AVBL LDG DIST
OGDEN, UT			
OGDEN-HINCKLEY (OGD)	21	17-35	4,600 feet
PRESCOTT, AZ			
PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)	21L	12-30	5,904 feet

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

25219

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or ellipses designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
CHANDLER, AZ		
CHANDLER MUNI (CHD)	HS 1	Rwy 22R may be used as an alternate taxi route.
LAS VEGAS, NV		
HENDERSON EXEC (HND)	HS 1	Twy H, Twy G, and Rwy 17R.
	HS 2	Twy E and ramp area. High volume of traffic.
LAS VEGAS, NV		
HARRY REID INTL (LAS)	HS 1	Departure runway misalignment risk. Rwy 1L at Rwy 8L, Intersecting runways in close proximity to connecting taxiway. Aircraft cleared onto Rwy 8L from Twy H3 turn too far left, incorrectly lining up for Rwy 1L. Check heading indicator for correct runway alignment.
LAS VEGAS, NV		
NORTH LAS VEGAS (VGT)	HS 1	Rwy hold lines at Twy G and Twy F in close proximity to edge of large paved area.
	HS 2	Rwy 12R, Twy G.
	HS 3	Runway incursion risk. When taxiing to Rwy 12R-30L at Twy A via Twy R, the Runway Holding Position Marking for Rwy 12R-30L is encountered immediately.
	HS 4	Rwy 12L, Twy A.
MINDEN, NV		
MINDEN-TAHOE (MEV)	HS 1	Complex int.
	HS 2	Frequent crossings for sailplane operations.
OGDEN, UT		
OGDEN-HINCKLEY (OGD)	HS 1	Confusing twy int in close proximity to rwy.
PHOENIX, AZ		
PHOENIX DEER VALLEY (DVT)	HS 1	Inadvertent Rwy 07R-25L crossings from Twy B5.
	HS 2	Inadvertent Rwy 07R-25L crossings from Twy B9.
PHOENIX, AZ		
PHOENIX SKY HARBOR INTL (PHX)	HS 1	Pilots sometimes mistake Twy F for Rwy 07L or Rwy 07R.
	HS 2	Pilots sometimes cross Rwy 07L-25R at Twy F8, Twy F9, or Twy F10, without authorization.
PRESCOTT, AZ		
PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)	HS 1	Not visible from the twr.
SALT LAKE CITY, UT		
SALT LAKE CITY INTL (SLC)	HS 1	Wrong Rwy Departure Risk. Hold lines for Rwy 32 and Rwy 35 are at the same location at Twy K1 and Twy M with short taxi distance to either rwy.
	HS 2	High risk of Rwy incursion at Rwy 14-32 on Twy Q due to short taxi distance between rwys.
	HS 3	Twy A4 or Twy A5 at Twy A or Twy B mistakenly enter Rwy 16R-34L.
TUCSON, AZ		
RYAN FLD (RYN)	HS 1	Rwy 33 and Rwy 06R, Twy B.

(SEE CONTINUATION PAGE FOR MORE LISTINGS)

25219

SW-4, 07 AUG 2025 to 02 OCT 2025

25219

HOT SPOTS

(CONTINUED)

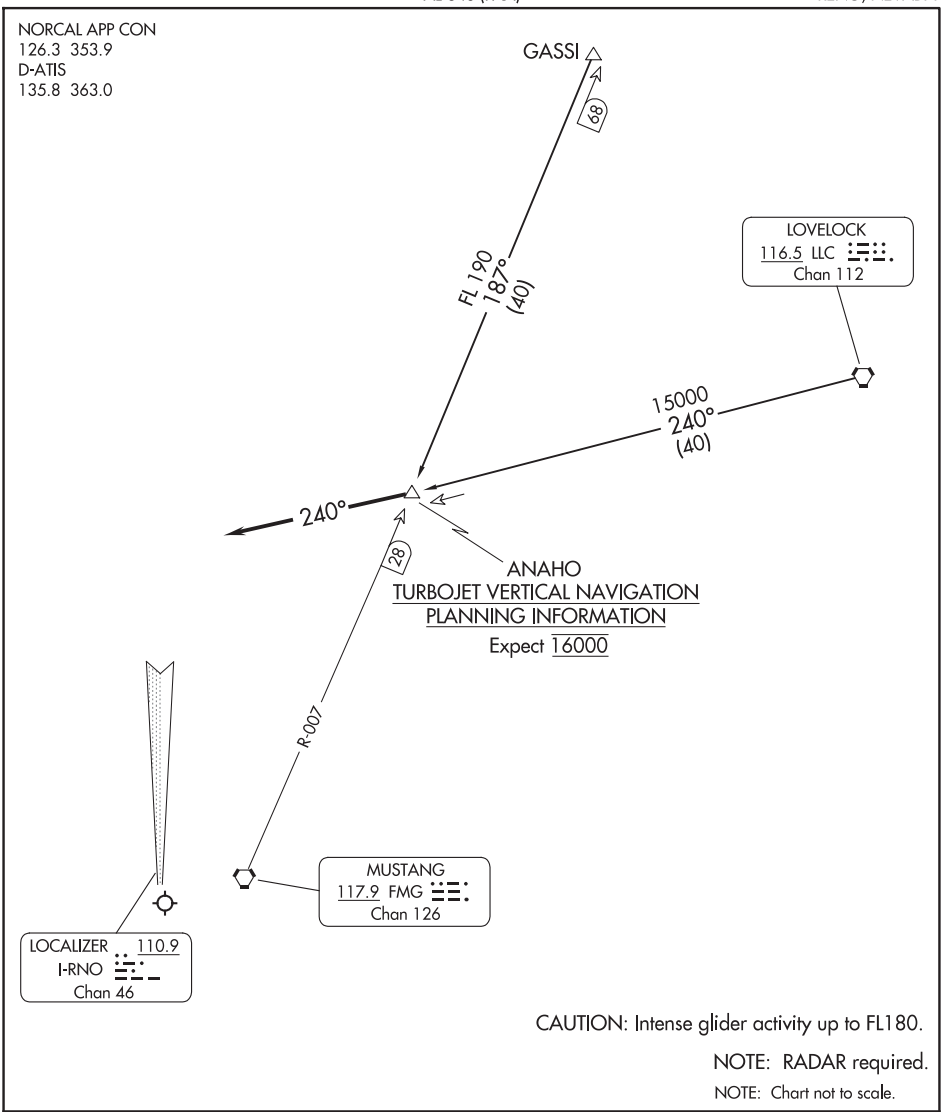
CITY/AIRPORT	HOT SPOT	DESCRIPTION*
TUCSON, AZ		
TUCSON INTL (TUS)	HS 1	Pilots taxiing to Rwy 12 via Twy D for departure sometimes cross the rwy holding position markings without authorization.

*See appropriate Chart Supplement HOT SPOT table for additional information.

25219

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



ARRIVAL ROUTE DESCRIPTION

GASSI TRANSITION (GASSI.ANAHO2): From over GASSI via FMG R-007 to ANAHO INT/DME. Thence. . . .

LOVELOCK TRANSITION (LLC.ANAHO2): From over LLC VORTAC via LLC R-240 to ANAHO INT/DME. Thence. . . .

. . . .Depart ANAHO INT/DME heading 240° for vectors to final approach course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ARLIN FOUR ARRIVAL

(ARLIN.ARLIN4) 27APR17

PHOENIX, ARIZONA

ARRIVAL ROUTE DESCRIPTION

BLYTHE TRANSITION (BLH.ARLIN4): From over BLH VORTAC on BLH R-089 and IWA R-256 to ARLIN INT. Thence. . . .

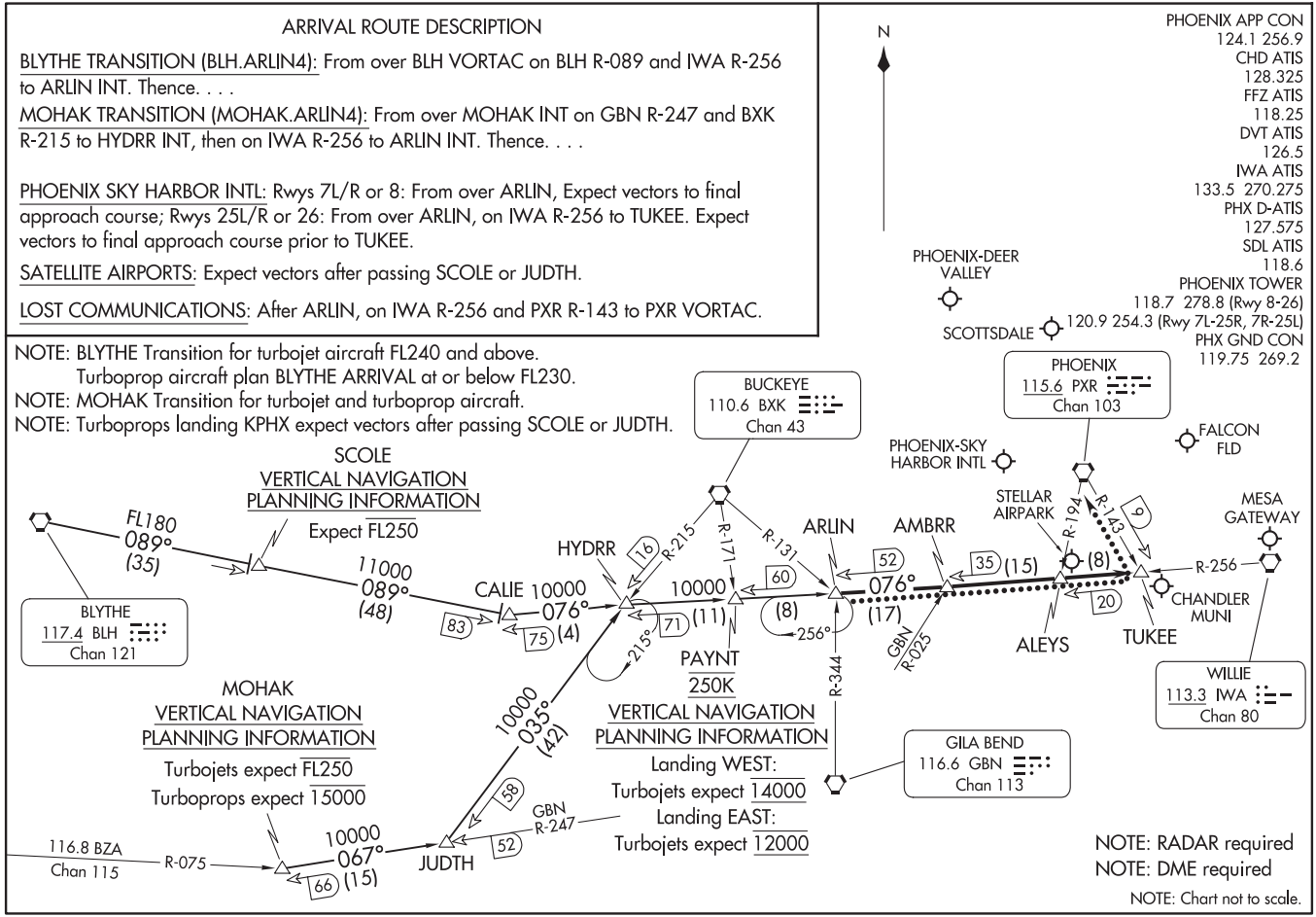
MOHAK TRANSITION (MOHAK.ARLIN4): From over MOHAK INT on GBN R-247 and BXK R-215 to HYDRR INT, then on IWA R-256 to ARLIN INT. Thence. . . .

PHOENIX SKY HARBOR INTL: Rwys 7L/R or 8: From over ARLIN, Expect vectors to final approach course; Rwys 25L/R or 26: From over ARLIN, on IWA R-256 to TUKEE. Expect vectors to final approach course prior to TUKEE.

SATELLITE AIRPORTS: Expect vectors after passing SCOLE or JUDTH.

LOST COMMUNICATIONS: After ARLIN, on IWA R-256 and PXR R-143 to PXR VORTAC.

NOTE: BLYTHE Transition for turbojet aircraft FL240 and above.
Turboprop aircraft plan BLYTHE ARRIVAL at or below FL230.
NOTE: MOHAK Transition for turbojet and turboprop aircraft.
NOTE: Turboprops landing KPHX expect vectors after passing SCOLE or JUDTH.



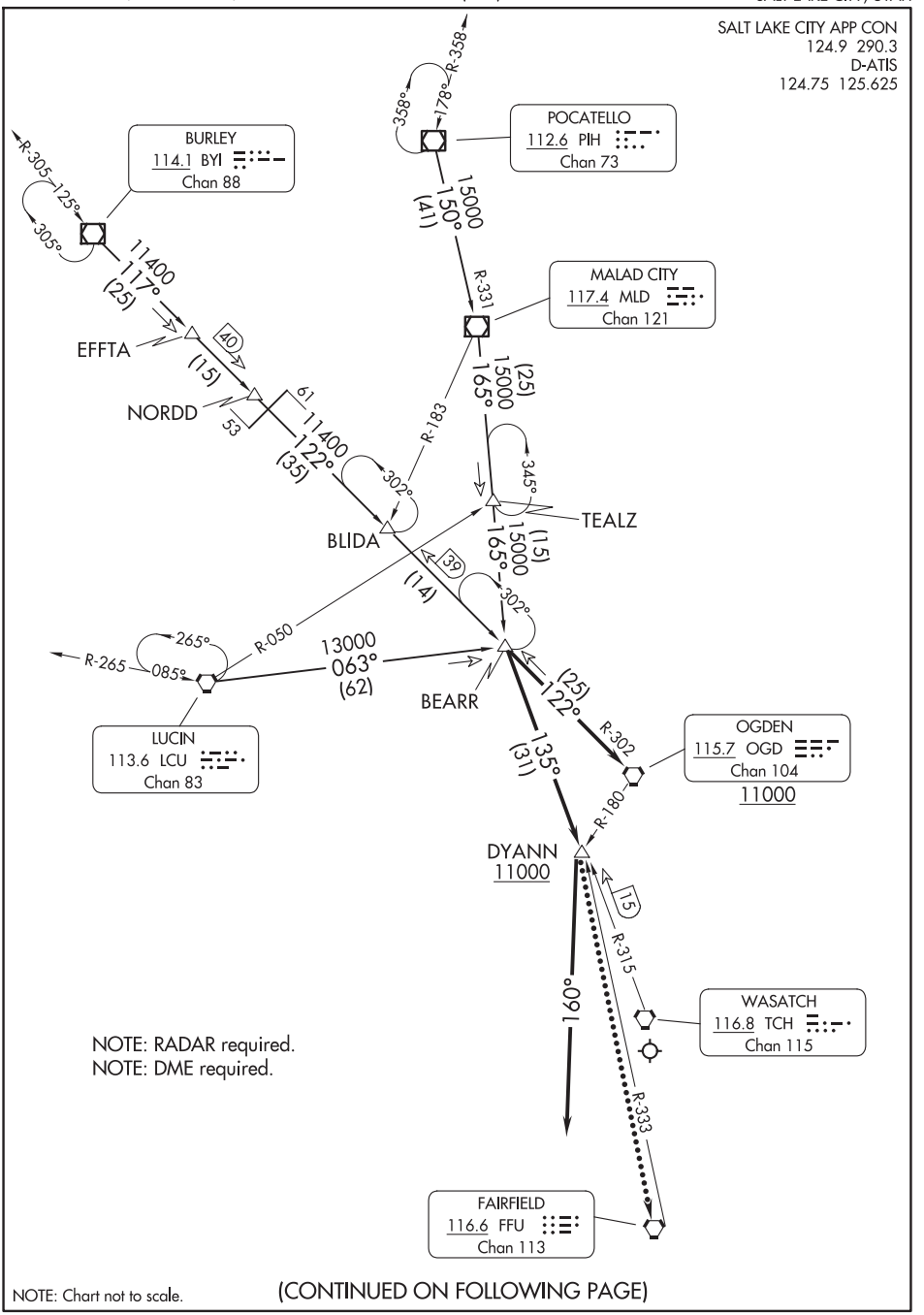
(ARLIN.ARLIN4) 25051

ARLIN FOUR ARRIVAL

PHOENIX, ARIZONA

AL-322 (FAA)

Z2



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

BURLEY TRANSITION (BYI.BEARR5): From over BYI VOR/DME on BYI R-117 and OGD R-302 to BEARR. Thence . . . .
LUCIN TRANSITION (LCU.BEARR5): From over LCU VORTAC on LCU R-063 to BEARR. Thence . . . .
POCATELLO TRANSITION (PIH.BEARR5): From over PIH VOR/DME on PIH R-150 and MLD R-331 to MLD VOR/DME, then on MLD R-165 to BEARR. Thence . . . .

LANDING NORTH:
. . . .on TCH VORTAC R-315 to cross DYANN at or above 11000. After DYANN fly heading 160° for vectors to ILS or LOC RWY 34L or VISUAL RWY 34L approach.

LANDING SOUTH:
. . . .on OGD VORTAC R-302 to cross OGD at or above 11000. Expect ILS or LOC RWY 16L approach.

LOST COMMUNICATIONS
LANDING NORTH: In the event of lost communications, at DYANN proceed direct FFU VORTAC. Maintain 13000 until FFU VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

NOTE: RADAR required.
NOTE: Jet aircraft only.
NOTE: DME required.

ARRIVAL ROUTE DESCRIPTION

BRYCE CANYON TRANSITION (BCE.BLAID2): From over BCE VORTAC on BCE R-214 and BLD R-037 to AALAN, thence. . . .

ENOCH TRANSITION (EHK.BLAID2): From over EHK VOR/DME on EHK R-186 and BLD R-037 to AALAN, thence. . . .

PAGE TRANSITION (PGA.BLAID2): From over PGA VOR/DME on PGA R-254 and MMM R-069 to HOLDM, then on BLD R-037 to AALAN, thence. . . .

. . . .from over AALAN on BLD R-037 to cross CHOWW at 15000 and BLAID at 12000. Expect RADAR vectors to final aproach course.

LOST COMMUNICATIONS: After BLAID proceed to BLD VORTAC and hold. Maintain 8000 or last assigned altitude whichever is higher.

BLYTHE FIVE ARRIVAL
(BLH.BLH5) 27APR17

BLYTHE FIVE ARRIVAL
(BLH.BLH5) 25051

PHOENIX, ARIZONA

PHOENIX, ARIZONA

AL-322 (FAA)

Z6

ARRIVAL ROUTE DESCRIPTION

BLYTHE TRANSITION (BLH.BLH5): From over BLH VORTAC on BLH R-082 to SALOM, then on GBN R-285 and IWA R-256 to ARLIN. Thence . . . .

PHOENIX SKY HARBOR INTL: Rwys 7L/R or 8: From over ARLIN, expect vectors to final approach course; Rwys 25L/R or 26: From over ARLIN, on IWA R-256 to TUKEE. Expect vectors to final approach course prior to TUKEE.

SATELLITE AIRPORTS: Expect vectors after passing SALOM.

LOST COMMUNICATIONS: After ARLIN, on IWA R-256 and PXR R-143 to PXR VORTAC.

PHOENIX APP CON
124.1 256.9
CHD ATIS
128.325
FFZ ATIS
118.25
DVT ATIS
126.5
IWA ATIS
133.5 270.275
PHX D-ATIS
127.575
SDL ATIS
118.6
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwy 7L-25R, 7R-25L)
PHX GND CON
119.75 269.2

N

PHOENIX-DEER VALLEY

SCOTTSDALE

FALCON FLD

PHOENIX-SKY HARBOR INTL

MESA GATEWAY

CHANDLER MUNI

WILLIE
113.3 IWA
Chan 80

BLYTHE
117.4 BLH
Chan 121

BUCKEYE
110.6 BXK
Chan 43

PHOENIX
115.6 PXR
Chan 103

BARD
116.8 BZA
Chan 115

GILA BEND
116.6 GBN
Chan 113

SALOM
VERTICAL NAVIGATION
PLANNING INFORMATION
Turboprop expect 17000
Turboprop landing KPHX expect vectors after SALOM.

10000
082°
(44)

10000
105°
(31)

SADLL

10000
076°
(14)

HYDRR

10000
(11)

PAYNT
Turbojets: 250K

ARLIN

AMBRR

076°
(17)

STELLAR AIRPARK

ALEYS

TUKEE

R-025

R-285
GBN

R-215

R-171

R-131

R-194

R-143

R-256

R-344

035°

215°

256°

(8)

(15)

VERTICAL NAVIGATION
PLANNING INFORMATION
Landing WEST:
Turbojets: Expect 14000
Landing EAST:
Turbojets: Expect
12000

NOTE: BLYTHE ARRIVAL for aircraft FL 230 or below.
NOTE: RADAR required

NOTE: Chart not to scale.

BOEGY TWO ARRIVAL (RNAV)

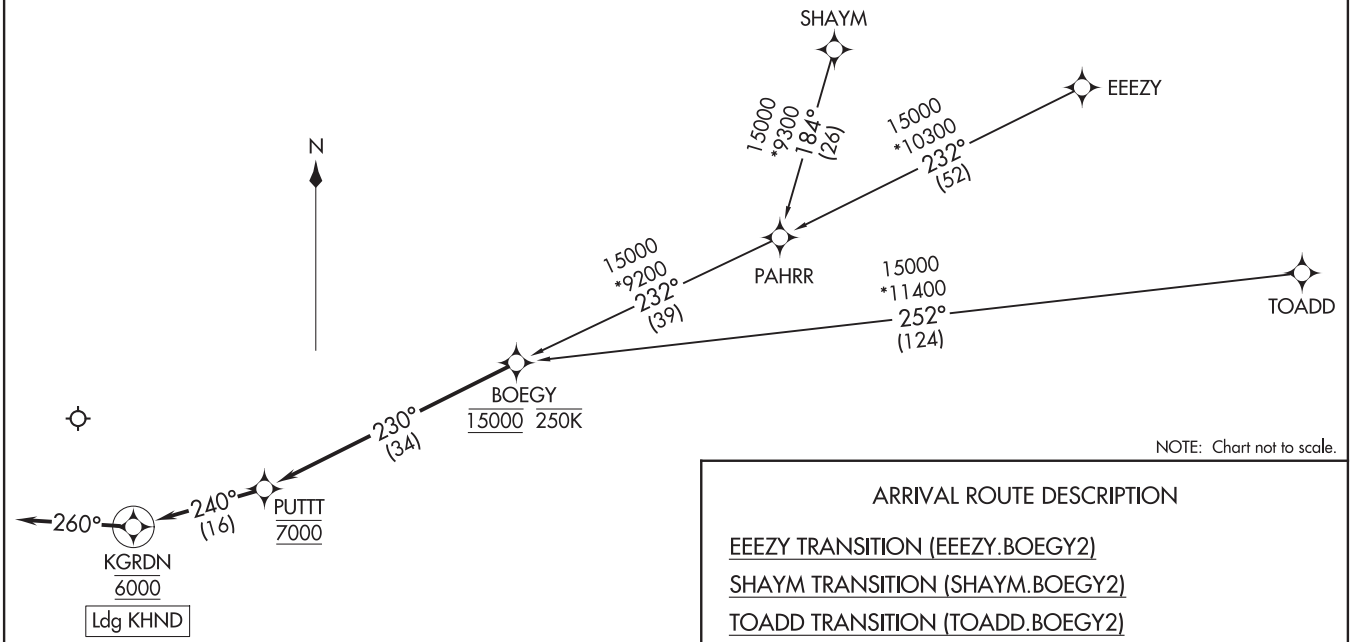
(BOEGY.BOEGY2) 27JAN22

LAS VEGAS, NEVADA
HENDERSON EXEC (HND)

Z7

LAS VEGAS APP CON
125.475 307.25
ATIS
120.775
HENDERSON TOWER*
125.1

RNAV 1-DME/DME/IRU or GPS.
RADAR required.



NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

EEEZY TRANSITION (EEEZY.BOEGY2)

SHAYM TRANSITION (SHAYM.BOEGY2)

TOADD TRANSITION (TOADD.BOEGY2)

From BOEGY on track 230° to cross PUTTT at 7000, then on track 240° to cross KGRDN at 6000, then on track 260°. Expect RADAR vectors to final approach course.

(BOEGY.BOEGY2) 22027
BOEGY TWO ARRIVAL (RNAV)

AL-6514 (FAA)

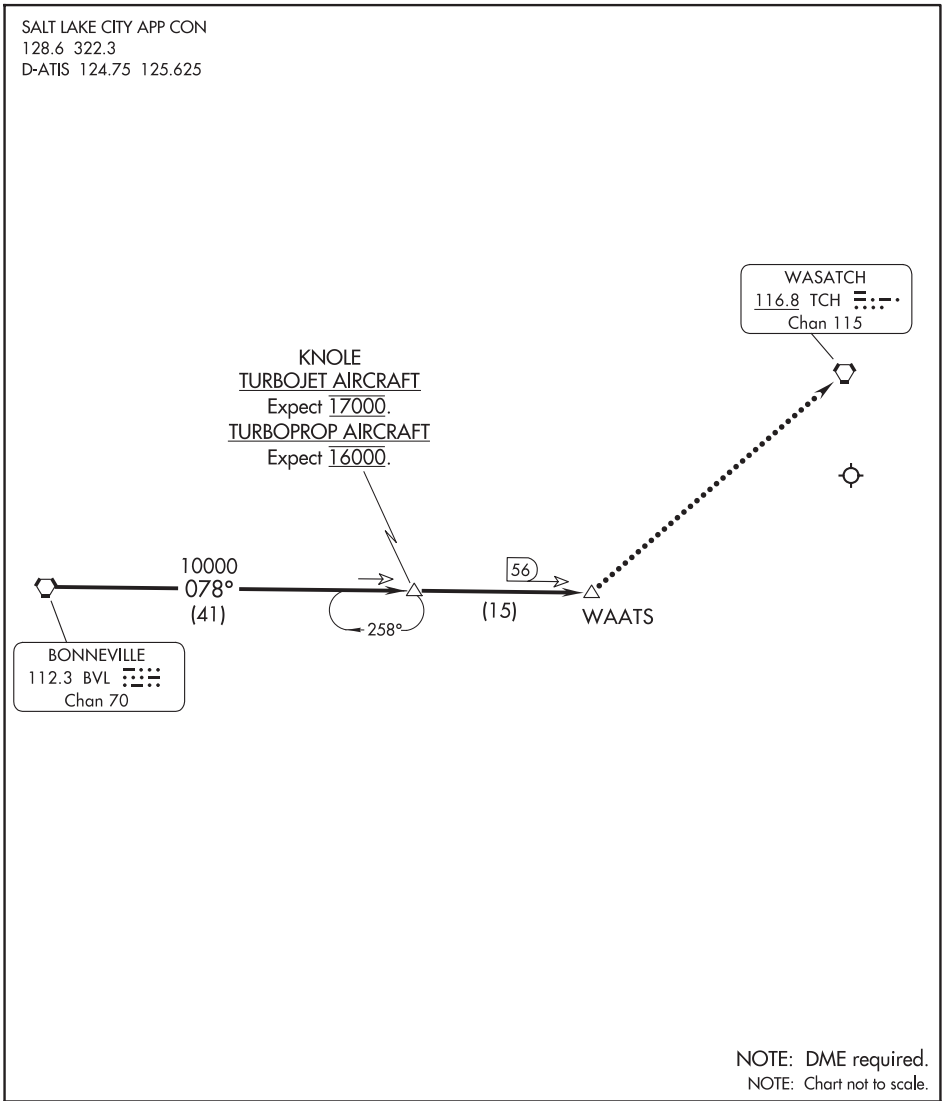
HENDERSON EXEC (HND)
LAS VEGAS, NEVADA

(BVL.BVL2) 24025

BONNEVILLE TWO ARRIVAL

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH



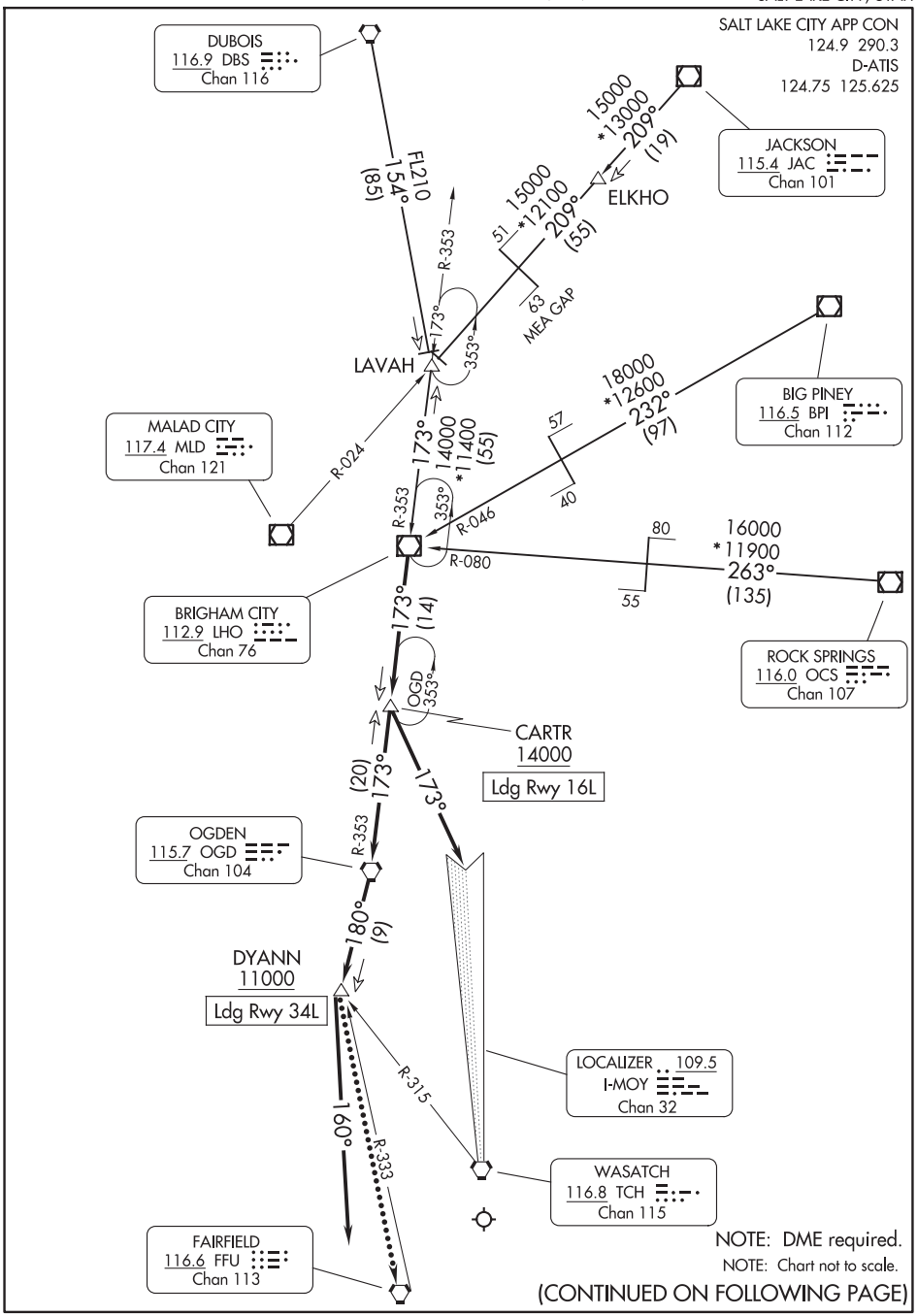
ARRIVAL ROUTE DESCRIPTION

From BVL VORTAC via BVL R-078 to WAATS, thence expect RADAR vectors to final approach course.

LOST COMMUNICATIONS: In the event of lost communications at WAATS, proceed direct TCH VORTAC. Maintain 13000′ until TCH VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



(CONTINUED ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(LHO.LHO5) 23166

BRIGHAM CITY FIVE ARRIVAL

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

ARRIVAL ROUTE DESCRIPTION

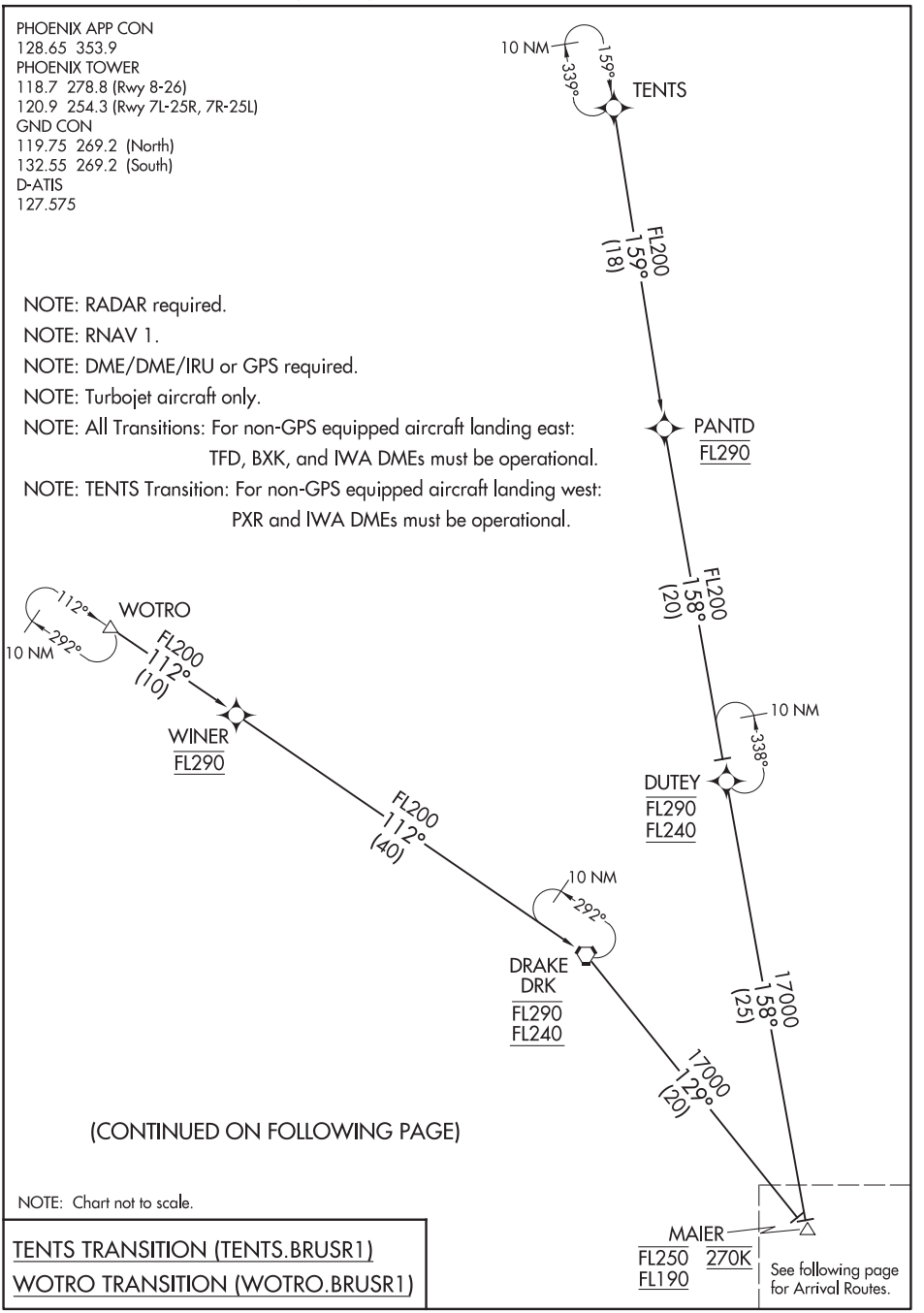
BIG PINEY TRANSITION (BPI.LHO5): From over BPI VOR/DME on BPI R-232 and LHO R-046 to LHO VOR/DME. Thence. . . .
DUBOIS TRANSITION (DBS.LHO5): From over DBS VORTAC on DBS R-154 to LAVAH, then on LHO R-353 to LHO VOR/DME. Thence. . . .
JACKSON TRANSITION (JAC.LHO5): From over JAC VOR/DME on JAC R-209 to ELKHO, then on JAC R-209 and MLD R-024 to LAVAH, then on LHO R-353 to LHO VOR/DME. Thence. . . .
ROCK SPRINGS TRANSITION (OCS.LHO5): From over OCS VOR/DME on OCS R-263 and LHO R-080 to LHO VOR/DME. Thence. . . .

LANDING NORTH:
. . . .from over LHO VOR/DME on LHO R-173 to cross CARTR at or above 14000 then on OGD R-353 to OGD VORTAC, then on OGD R-180 to cross DYANN at or above 11000. After DYANN fly heading 160° for vectors ILS or LOC RWY 34L or VISUAL RWY 34L approach.
LANDING SOUTH:
. . . .from over LHO VOR/DME on LHO R-173 to cross CARTR at or above 14000. After CARTR, fly heading 173° to intercept I-MOY localizer, proceed inbound. Expect ILS or LOC RWY 16L approach.

LOST COMMUNICATIONS
LANDING NORTH: In the event of lost communications, at DYANN proceed direct FFU VORTAC. Maintain 13000 until FFU VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

BRUSR ONE ARRIVAL (RNAV) Transition Routes



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

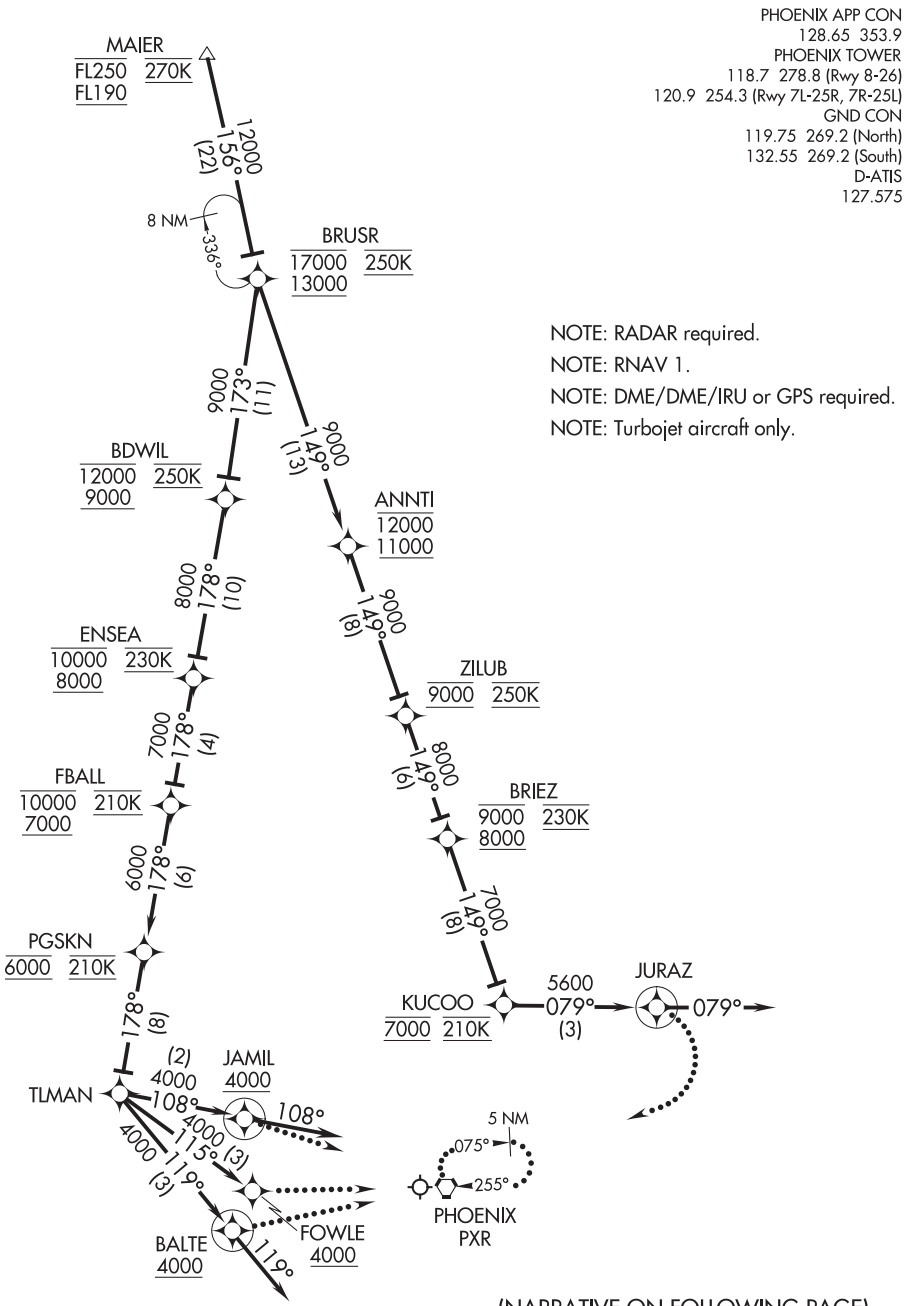
TENTS TRANSITION (TENTS.BRUSR1)
WOTRO TRANSITION (WOTRO.BRUSR1)

SW-4, 07 AUG 2025 to 02 OCT 2025

(MAIER.BRUSR1) 17117 AL-322 (FAA)

BRUSR ONE ARRIVAL (RNAV) Arrival Routes

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

BRUSR ONE ARRIVAL (RNAV) Arrival Routes

PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

(MAIER.BRUSR1) 18SEP14

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From MAIER on track 156° to cross BRUSR at/above 13000 and at/below 17000 and at 250K.

LANDING RUNWAY 7L: From BRUSR on track 173° to cross BDWIL at/above 9000 and at/below 12000 and at 250K, then on track 178° to cross ENSEA at/above 8000 and at/below 10000 and at 230K, then on track 178° to cross FBALL at/above 7000 and at/below 10000 at 210K, then on track 178° to cross PGSKN at 6000 and at 210K, then on track 178° to TLMAN, then on track 115° to cross FOWLE at/above 4000. Expect ILS RWY 7L or RADAR vectors to final approach course.

LANDING RUNWAY 7R: From BRUSR on track 173° to cross BDWIL at/above 9000 and at/below 12000 and at 250K, then on track 178° to cross ENSEA at/above 8000 and at/below 10000 and at 230K, then on track 178° to cross FBALL at/above 7000 and at/below 10000 at 210K, then on track 178° to cross PGSKN at 6000 and at 210K, then on track 178° to TLMAN, then on track 119° to cross BALTE at or above 4000. Then on track 119°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 8: From BRUSR on track 173° to cross BDWIL at/above 9000 and at/below 12000 and at 250K, then on track 178° to cross ENSEA at/above 8000 and at/below 10000 and at 230K, then on track 178° to cross FBALL at/above 7000 and at/below 10000 at 210K, then on track 178° to cross PGSKN at 6000 and at 210K, then on track 178° to TLMAN, then on track 108° to cross JAMIL at or above 4000. Then on track 108°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 25L, 25R, 26: From BRUSR on track 149° to cross ANNTI at/above 11000 and at/below 12000, then on track 149° to cross ZILUB at 9000 and at 250K, then on track 149° to cross BRIEZ at/above 8000 and at/below 9000 and at 230K, then on track 149° to cross KUCOO at 7000 and at 210K, then on track 079° to JURAZ, then on track 079°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

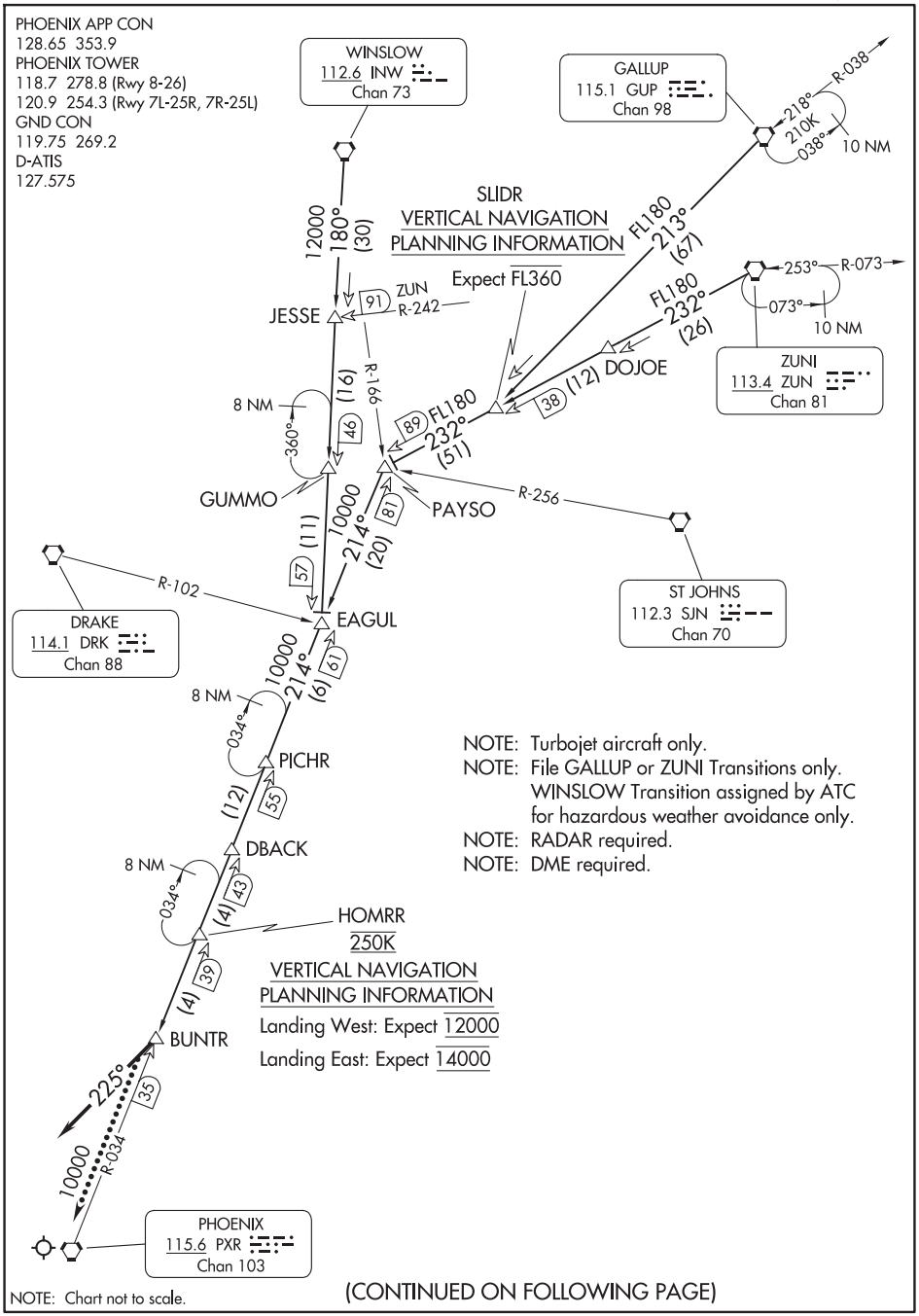
LANDING RUNWAY 7L: At FOWLE, intercept and execute RWY 7L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 7R: At BALTE, intercept and execute RWY 7R ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 8: At JAMIL, intercept and execute RWY 8 ILS approach, If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAYS 25L, 25R, 26: At JURAZ, turn right, intercept and execute RWY 25L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.

(BUNTR.BUNTR3) 23334

BUNTR THREE ARRIVAL

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

GALLUP TRANSITION (GUP.BUNTR3): From over GUP VORTAC on GUP R-213 to SLIDR then on ZUN R-232 to PAYSO, then on PXR R-034 to BUNTR. Thence. . . .

WINSLOW TRANSITION (INW.BUNTR3): From over INW VORTAC on INW R-180 to EAGUL, then on PXR R-034 to BUNTR. Thence. . . .

ZUNI TRANSITION (ZUN.BUNTR3): From over ZUN VORTAC via ZUN R-232 to PAYSO, then via PXR R-034 to BUNTR. Thence. . . .

. . . . From BUNTR, fly heading 225°. Expect vectors to final approach course.

LOST COMMUNICATIONS: After BUNTR proceed direct PXR VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

(CARTR.CARTR1) 25051 AL-365 (FAA)

CARTR ONE ARRIVAL (RNAV) Transition Routes

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

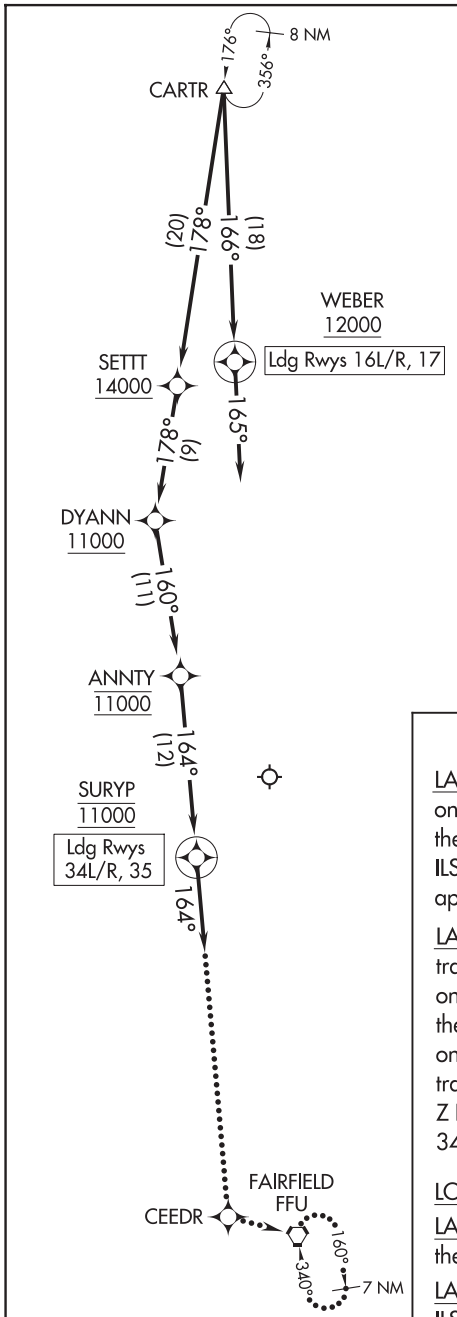
CARTR ONE ARRIVAL (RNAV) Transition Routes

(CARTR.CARTR1) 20FEB25

SALT LAKE CITY, UTAH
SALT LAKE CITY INTL (SLC)

SW-4, 07 AUG 2025 to 02 OCT 2025

CARTR ONE ARRIVAL (RNAV) Arrival Routes



NOTE: Jet aircraft only.
NOTE: GPS required.
NOTE: ROCK SPRINGS Transition, BOBRT Transition, ATC assigned only.
NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

LANDING RUNWAYS 16L/R, 17: From CARTR on track 166° to cross WEBER at or above 12000, then on track 165°. Expect RADAR verctors for ILS or RNAV approach to Rwys 16L/R or Rwy 17 approach.

LANDING RUNWAYS 34L/R, 35: From CARTR on track 178° to cross SETTT at or above 14000, then on track 178° to cross DYANN at or above 11000, then on track 160° to cross ANNTY at 11000, then on track 164° to cross SURYP at 11000, then on track 164°. Expect RADAR vectors for RNAV (RNP) Z RWY 34L approach or RADAR vectors to 34L/R, RWY 35 final approach course.

LOST COMMUNICATIONS

LANDING NORTH: After SURYP proceed to CEEDR, then left turn to FFU VORTAC and hold at 11000.

LANDING SOUTH: After WEBER proceed on the ILS or RNAV RWY 16L approach.

(CHOWW.CHOWW4) 25219 AL-662 (FAA)

CHOWW FOUR ARRIVAL (RNAV) Transition Routes

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

(CONTINUED ON FOLLOWING PAGE)

CHOWW FOUR ARRIVAL (RNAV) Transition Routes
(CHOWW.CHOWW4) 07AUG25
LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

(CHOWW.CHOWW4) 25219
CHOWW FOUR ARRIVAL (RNAV)

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From CHOWW on track 221° to WOLPH.

LANDING RUNWAYS 1L/R: From WOLPH on track 209° to cross PACKK at or above 16000, then on track 209° to cross BEEPR at or above 15000, then on track 209° to cross JAIDE at or below 13000, then on track 209° to cross SHEEN at or above 12000, then on track 208° to NEETL, then on track 259° to cross CAMMP at 10000 and at 210K, then on track 338° to cross BUGSS at 9000, then on track 001° to cross VANDL at 9000, then on track 001°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 19L/R: From WOLPH on track 241° to cross SACHL at 10000, then on track 240° to cross FELAA at 9200, then on track 240° to cross BOOOO at 7000 and at 230K, then on track 240° to NNEON, then on track 263° to cross PPENN at 6000 and at 190K, then on track 263°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 26L: From WOLPH on track 220° to cross TATUU between 9500 and 10500, then on track 220° to cross KRLOZ at or below 9000, then on track 220° to cross PRINO at 8000 and at 210K. Expect ILS or LOC RWY 26L approach.

LANDING RUNWAY 26R: From WOLPH on track 220° to cross TATUU between 9500 and 10500, then on track 220° to cross KRLOZ at or below 9000, then on track 221° to cross FLYES at 8000 and at 210K. Expect ILS or LOC RWY 26R approach.

LOST COMMUNICATIONS

LANDING RUNWAY 1L: At VANDL, proceed to TRREY, then on the ILS or LOC RWY 1L approach.

LANDING RUNWAY 1R: At VANDL proceed on the RNAV (GPS) RWY 1R approach.

LANDING RUNWAY 19L: At PPENN proceed on the RNAV (RNP) RWY 19L approach, if unable, proceed visually via last track to intercept the final approach course; if unable, maintain 7000 proceed direct LAS VORTAC then direct BLD VORTAC and then on the ILS or LOC RWY 26L approach.

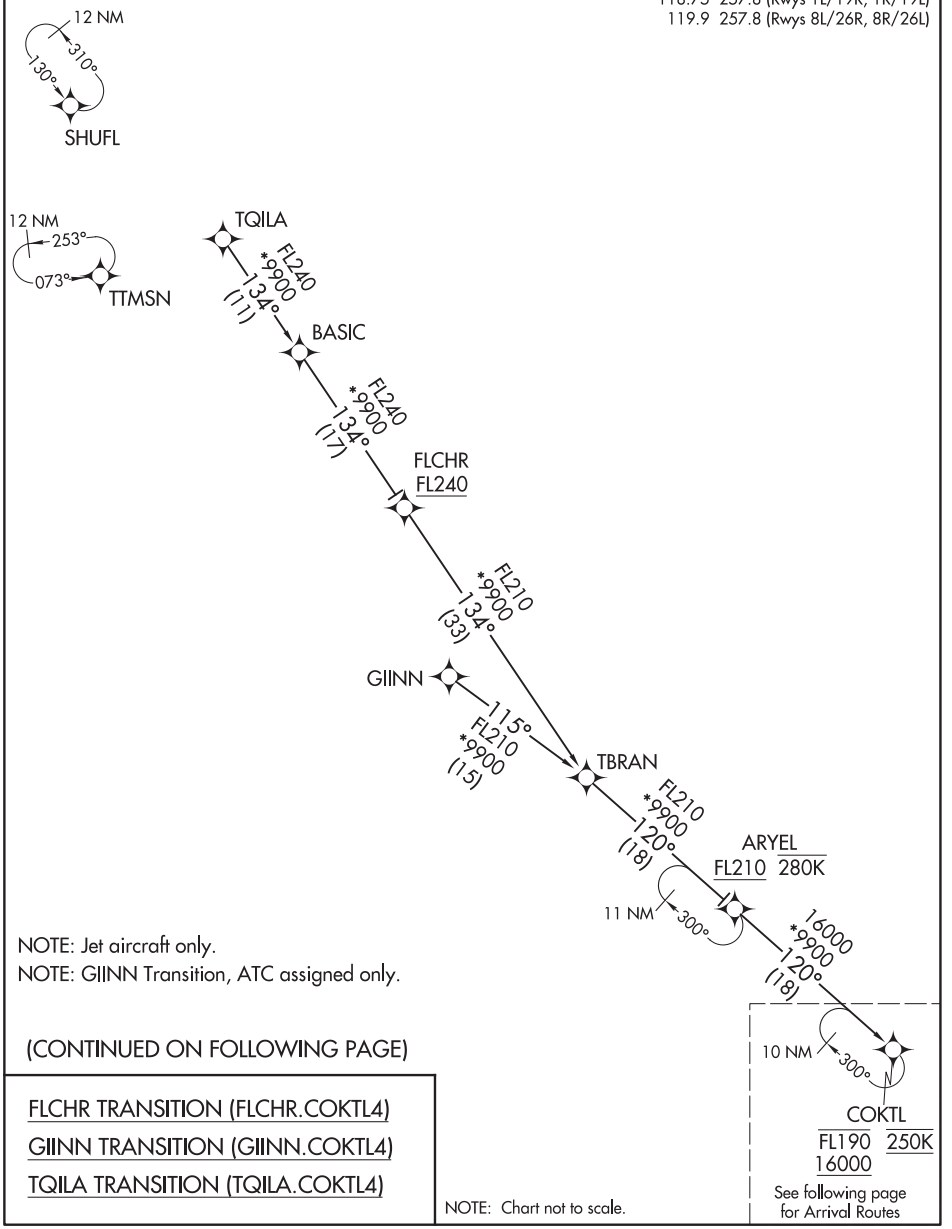
LANDING RUNWAY 26L: At PRINO proceed on the ILS or LOC RWY 26L approach.

LANDING RUNWAY 26R: At FLYES proceed on the ILS or LOC RWY 26R approach.

COKTL FOUR ARRIVAL (RNAV) Transition Routes

RNAV 1- DME/DME/IRU or GPS.
RADAR required.

LAS VEGAS APP CON
125.025 379.15
D-ATIS
132.4
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)



NOTE: Jet aircraft only.
NOTE: GIINN Transition, ATC assigned only.

(CONTINUED ON FOLLOWING PAGE)

FLCHR TRANSITION (FLCHR.COKTL4)
GIINN TRANSITION (GIINN.COKTL4)
TQILA TRANSITION (TQILA.COKTL4)

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(COKTL.COKTL4) 24305 AL-662 (FAA)

COKTL FOUR ARRIVAL (RNAV) Arrival Routes

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

COKTL FOUR ARRIVAL (RNAV) Arrival Routes
(COKTL.COKTL4) 31OCT24
LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From COKTL on track 117° to cross ZLLDA at or above 14000.

LANDING RUNWAYS 1L/R: From ZLLDA on track 151° to cross MEZKL between 10000 and 12000, then on track 151° to LOOMI, then on track 118° to cross ZINPI at or above 9000 and at 210K, then on track 081° to cross SLOTS at 8000, then on track 030° to cross ROAMN at 8000 and at 210K. Expect ILS or LOC RWY 1L approach or RADAR vectors to final approach course.

LANDING RUNWAYS 8L/R: From ZLLDA on track 151° to cross MEZKL between 10000 and 12000, then on track 151° to LOOMI, then on track 118° to cross ZINPI at or above 9000 and at 210K, then on track 081° to cross SLOTS at 8000, then on track 006° to cross YAGGR at 8000 and at 210K, then on track 005°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 19L/R, 26L/R: From ZLLDA on track 100° to cross DEEON at or above 12000, then on track 100° to cross ENNVY at or above 11000, then on track 082° to cross REDQN at or above 9000 and at 210K, then on track 083° to cross BERBN at 8000 and at 210K, then on track 083°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

LANDING RUNWAY 1L: At ROAMN proceed on the ILS or LOC RWY 1L approach.

LANDING RUNWAY 8R: At YAGGR proceed on the RNAV (RNP) RWY 8R approach, if unable, proceed via last track to intercept the final approach course; if unable, maintain 7000 direct LAS VORTAC then direct BLD VORTAC and then on the ILS or LOC RWY 26L approach.

LANDING RUNWAY 26L: At BERBN proceed on the ILS or LOC RWY 26L approach.

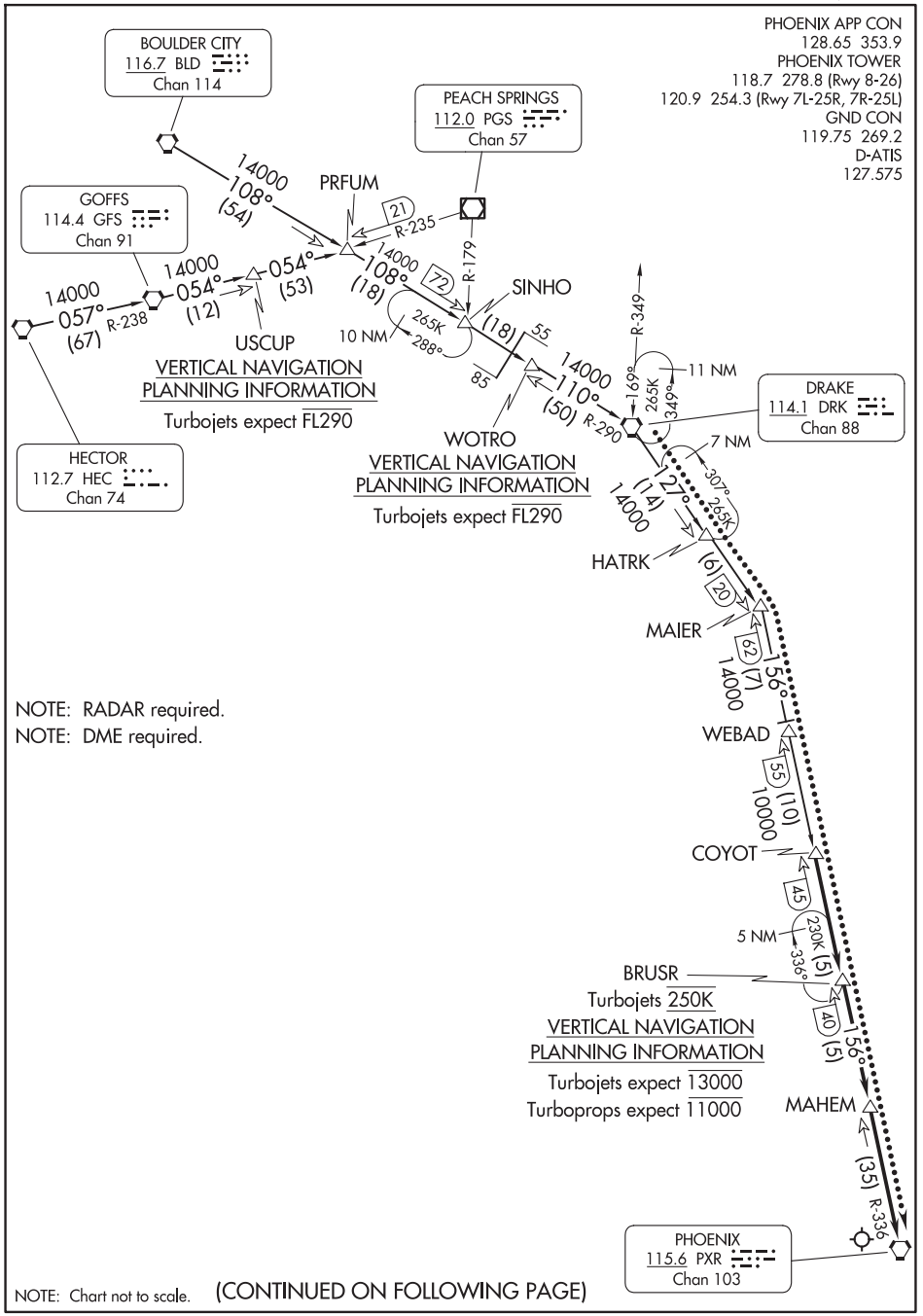
LANDING RUNWAY 26R: At BERBN proceed on the ILS or LOC RWY 26R approach.

(COYOT.COYOT5) 23334

COYOT FIVE ARRIVAL

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA



COYOT FIVE ARRIVAL

(COYOT.COYOT5) 16JUL20

PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

BOULDER CITY TRANSITION (BLD.COYOT5): From over BLD VORTAC on BLD R-108 and DRK R-290 to DRK VORTAC, then on DRK R-127 and PXR R-336 to COYOT. Thence. . . .

DRAKE TRANSITION (DRK.COYOT5): From over DRK VORTAC on DRK R-127 and PXR R-336 to COYOT. Thence. . . .

HECTOR TRANSITION (HEC.COYOT5): From over HEC VORTAC on HEC R-057 and GFS R-238 to GFS VORTAC, then on GFS R-054 and PGS R-235 to PRFUM, then on BLD R-108 and DRK R-290 to DRK VORTAC, then on DRK R-127 and PXR R-336 to COYOT. Thence. . . .

. . . .From COYOT on PXR R-336 to BRUSR, then on PXR R-336 to MAHEM, then on PXR R-336 to PXR VORTAC. After BRUSR expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

After DRK VORTAC proceed direct MAIER, then direct PXR VORTAC.

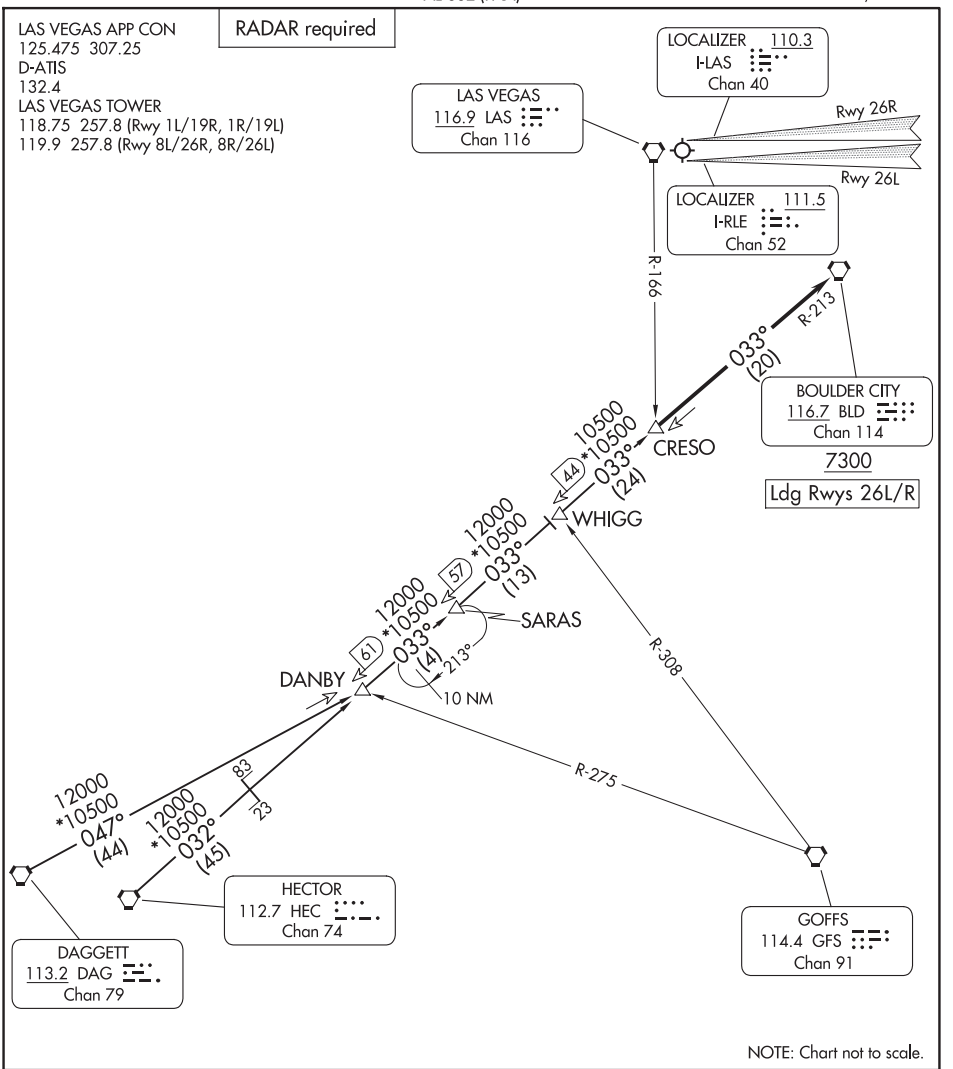
SW-4, 07 AUG 2025 to 02 OCT 2025

(CRESO.CRESO5) 24025

CRESO FIVE ARRIVAL

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

AL-662 (FAA)



ARRIVAL ROUTE DESCRIPTION

DAGGETT TRANSITION (DAG.CRESO5): From over DAG VORTAC on DAG R-047 and BLD R-213 to CRESO, thence. . . .

HECTOR TRANSITION (HEC.CRESO5): From over HEC VORTAC on HEC R-032 and BLD R-213 to CRESO, thence. . . .

. . . .From over CRESO on BLD R-213 to cross BLD VORTAC at or above 7300. Runways 1, 8, and 19 expect RADAR vectors to final approach course. From BLD VORTAC expect ILS approach Runway 26L/R.

CRESO FIVE ARRIVAL

(CRESO.CRESO5) 27JAN22

LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

GILA BEND TRANSITION (GBN.DINGO6): From over GBN VORTAC on GBN R-082 and TFD R-264 to TFD VORTAC, then on TFD R-133 to BASER, then on TUS R-295 to DINGO. Thence. . . .

PHOENIX TRANSITION (PXR.DINGO6): From over PXR VORTAC on PXR R-163 and TFD R-343 to TFD VORTAC, then on TFD R-133 to BASER, then on TUS R-295 to DINGO. Thence. . . .

STANFIELD TRANSITION (TFD.DINGO6): From over TFD VORTAC on TFD R-133 to BASER, then on TUS R-295 to DINGO. Thence. . . .

LANDING RUNWAY 12: From DINGO on TUS R-295 to cross MAVVA at or above 8000, then on heading 078°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 30: From DINGO on TUS R-295 to cross MAVVA at or above 8000. Expect RADAR vectors to final approach course.

DINGO SIX ARRIVAL
(DINGO.DINGO6) 30NOV23
TUCSON, ARIZONA
TUCSON INTL (TUS)

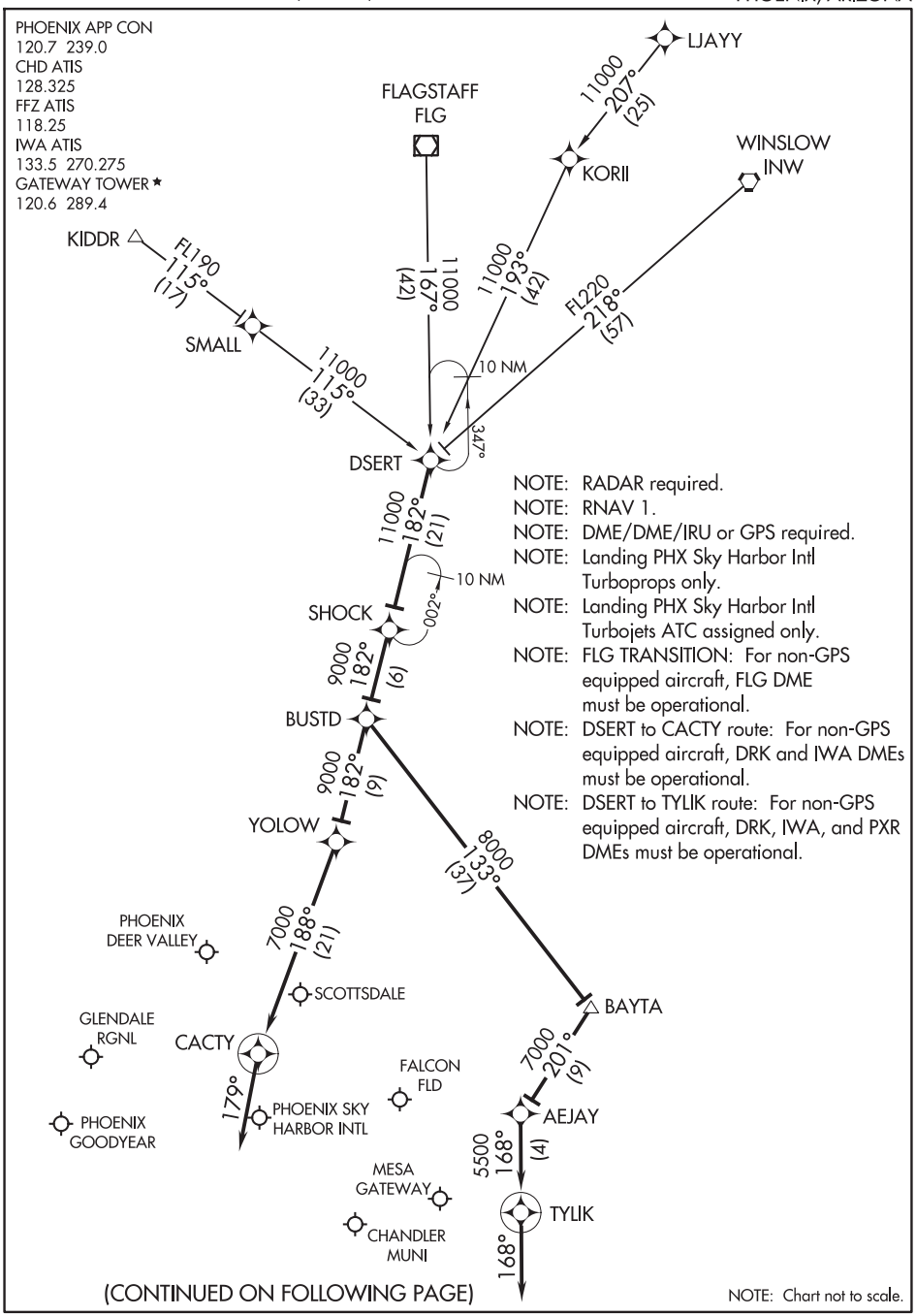
SW-4, 07 AUG 2025 to 02 OCT 2025

(DSERT.DSERT2) 25051

DSERT TWO ARRIVAL (RNAV)

AL-322 (FAA)

PHOENIX, ARIZONA



DSERT TWO ARRIVAL (RNAV)

PHOENIX, ARIZONA

(DSERT.DSERT2) 13NOV14

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

FLAGSTAFF TRANSITION (FLG.DSERT2)
KIDDR TRANSITION (KIDDR.DSERT2)
LJAYY TRANSITION (LJAYY.DSERT2)
WINSLOW TRANSITION (INW.DSERT2)

From DSERT on track 182° to SHOCK, then on track 182° to BUSTD.

LANDING AT KDVT/KSDL/KGEU/KFFZ/KCHD/KGYR/KPHX:
From BUSTD on track 182° to YOLOW, then on track 188° to CACTY then on track 179°. Expect RADAR vectors.

LANDING AT KIWA: From BUSTD on track 133° to BAYTA, then on track 201° to AEJAY, then on track 168° to TYLIK, then on track 168°. Expect RADAR vectors.

EAGUL SIX ARRIVAL (RNAV) Transition Routes

(EAGUL.EAGUL6) 18SEP14

PHOENIX SKY HARBOR INTL (PHX)

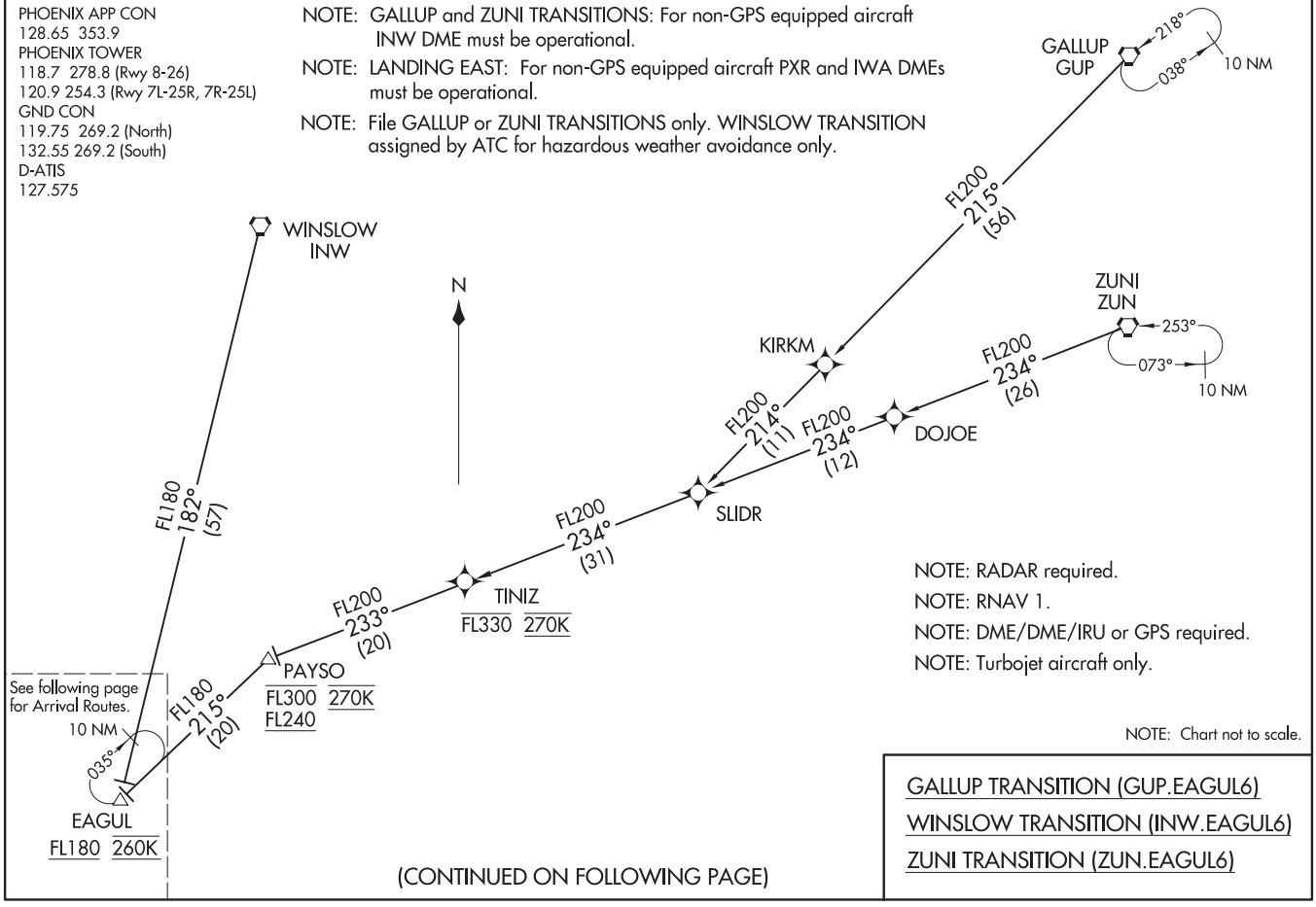
PHOENIX, ARIZONA

PHOENIX APP CON
128.65 353.9
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwy 7L-25R, 7R-25L)
GND CON
119.75 269.2 (North)
132.55 269.2 (South)
D-ATIS
127.575

NOTE: GALLUP and ZUNI TRANSITIONS: For non-GPS equipped aircraft INW DME must be operational.

NOTE: LANDING EAST: For non-GPS equipped aircraft PXR and IWA DMEs must be operational.

NOTE: File GALLUP or ZUNI TRANSITIONS only. WINSLOW TRANSITION assigned by ATC for hazardous weather avoidance only.



NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: DME/DME/IRU or GPS required.

NOTE: Turbojet aircraft only.

NOTE: Chart not to scale.

GALLUP TRANSITION (GUP.EAGUL6)

WINSLOW TRANSITION (INW.EAGUL6)

ZUNI TRANSITION (ZUN.EAGUL6)

(CONTINUED ON FOLLOWING PAGE)

EAGUL SIX ARRIVAL (RNAV) Transition Routes

(EAGUL.EAGUL6) 17117

AL-322 (FAA)

Z30

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

PHOENIX APP CON
128.65 353.9
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwy 7L-25R, 7R-25L)
GND CON
119.75 269.2 (North)
132.55 269.2 (South)
D-ATIS
127.575

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: LANDING EAST: For non-GPS equipped aircraft PXR and IWA DMEs must be operational.

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From EAGUL on track 215° to cross HOMRR at or below 17000 at 250K.

LANDING RUNWAYS 7L, 7R, 8: From HOMRR on track 226° to cross BOHTX at/above 13000 and at/below 14000, then on track 226° to cross GEENO at/above 11000 and at/below 12000 and at 230K, then on track 226° to cross QUENY at 10000 and at 210K, then on track 226° to cross HINEY at 7000 and at 210K, then on track 258° to cross OBASE at 7000 and at 210K, then on track 258°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 25L: From HOMRR on track 204° to cross VNNOM at/above 9400, then on track 204° to cross ESDEE at/above 8100 and at/below 10000 and at 210K, then on track 203° to cross BASSL at/above 6000, then on track 203° to cross DERVL at/above 4500 and at/below 5500 and at 210K, then on track 219° to cross GIPSE at/above 4000. Expect ILS or LOC RWY 25L approach or RADAR vectors to final approach course.

LANDING RUNWAY 25R: From HOMRR on track 204° to cross VNNOM at/above 9400, then on track 204° to cross ESDEE at/above 8100 and at/below 10000 and at 210K, then on track 203° to cross BASSL at/above 6000, then on track 203° to cross DERVL at/above 4500 and at/below 5500 and at 210K, then on track 220° to cross ZAMEX at/above 4000. Expect RNAV (GPS) Y RWY 25R approach or RADAR vectors to final approach course.

LANDING RUNWAY 26: From HOMRR on track 204° to cross VNNOM at/above 9400, then on track 204° to cross ESDEE at/above 8100 and at/below 10000 and at 210K, then on track 203° to cross BASSL at/above 6000, then on track 203° to cross DERVL at/above 4500 and at/below 5500 at 210K, then on track 228° to cross JAGAL at/above 4000. Expect ILS or LOC RWY 26 approach or RADAR vectors to final approach course.

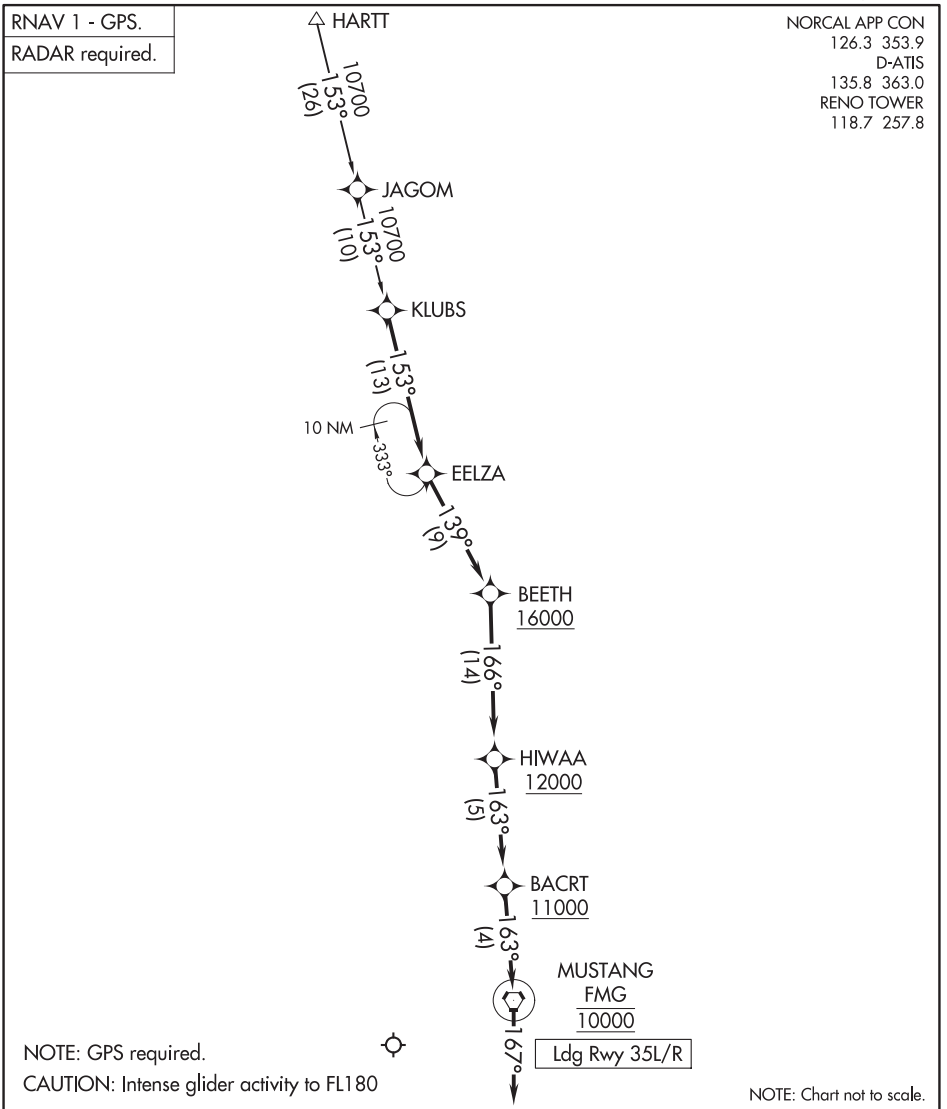
LOST COMMUNICATIONS

LANDING RUNWAY 7L: After OBASE turn left, intercept and execute RWY 7L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 7R: After OBASE turn left, intercept and execute RWY 7R ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 8: After OBASE turn left, intercept and execute RWY 8 ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 25L: At GIPSE, intercept and execute RWY 25L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 25R: At ZAMEX, intercept and execute RWY 25R RNAV (GPS) approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 26: At JAGAL, intercept and execute RWY 26 ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

EELZA FOUR ARRIVAL (RNAV)

AL-346 (FAA)



ARRIVAL ROUTE DESCRIPTION

HARTT TRANSITION (HARTT.EELZA4)

From KLUBS on track 153° to EELZA, then on track 139° to cross BEETH at or above 16000, then on track 166° to cross HIWAA at or above 12000, then on track 163° to cross BACRT at or above 11000, then on track 163° to cross FMG VORTAC at 10000, then on heading 167°. Expect assigned instrument approach for Rwy 35L/R or RADAR vectors to final approach course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(FLCHR.FLCHR1) 21056

FLCHR ONE ARRIVAL (RNAV)

AL-6970 (FAA)

NORTH LAS VEGAS (VGT)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

FLCHR ONE ARRIVAL (RNAV)

(FLCHR.FLCHR1) 25FEB21

LAS VEGAS, NEVADA
NORTH LAS VEGAS (VGT)

LAS VEGAS APP CON
125.025 379.15
HND ATIS
120.775
LAS D-ATIS
132.4
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)
RNAV 1 - GPS.
RADAR required.
N
FUULL
14000
*9800
133°
(48)
HOUZZ
14000
*7400
123°
(13)
BYNGO
FL210
14000
*7300
122°
(14)
10 NM
302°
SOTOO
14000
*7300
116°
(16)
QWIST
14000
114°
(8)
GAMES
148°
(17)
TOROO
116°
(8)
078°
(12)
RATHH
075°
PIGOW
8300
Ldg KHND and KLAS
HARRY REID INTL
HENDERSON EXEC
NOTE: Landing KLAS restricted to prop aircraft only.
NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION
FUULL TRANSITION (FUULL.GAMES2)
LANDING KHND/KLAS: From QWIST on track 114° to GAMES, then on track 148° to TOROO, then on track 116° to RATHH, then on track 078° to cross PIGOW at 8300, then on track 075°. Expect RADAR vectors to final approach course.

(HUUTY.HUUTY1) 25051

HUUTY ONE ARRIVAL (RNAV)

AL-74 (FAA)

PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

HUUTY ONE ARRIVAL (RNAV)

(HUUTY.HUUTY1) 31MAY12

PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(HYDRR.HYDRR1) 17117 AL-322 (FAA)

HYDRR ONE ARRIVAL (RNAV) Arrival Routes

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

HYDRR ONE ARRIVAL (RNAV) Arrival Routes
PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

(HYDRR.HYDRR1) 18SEP14

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From HYDRR on track 076° track to cross GEELA at/above 11000 and at/below 17000 at 250K.

LANDING RUNWAY 7L: From GEELA on track 054° to cross PUNNT at/above 10000 and at/below 12000 and at 230K, then on track 054° to cross TEICH at/above 8000 and at/below 9000 and at 210K, then on track 055° to cross TESLE at 7000, then on track 078° to cross FALGO at 6000 and at 210K, then on track 078° to cross CAGOR at/above 5000, then on track 076° to cross FOWLE at/above 4000. Expect ILS RWY 7L approach or RADAR vectors to final approach course.

LANDING RUNWAY 7R: From GEELA on track 054° to cross PUNNT at/above 10000 and at/below 12000 and at 230K, then on track 054° to cross TEICH at/above 8000 and at/below 9000 and at 210K, then on track 055° to cross TESLE at 7000, then on track 078° to cross FALGO at 6000 and at 210K, then on track 078° to cross CAGOR at/above 5000, then on track 078° to cross BALTE at/above 4000. Expect ILS RWY 7R approach or RADAR vectors to final approach course.

LANDING RUNWAY 8: From GEELA on track 054° to cross PUNNT at/above 10000 and at/below 12000 and at 230K, then on track 054° to cross TEICH at/above 8000 and at/below 9000 and at 210K, then on track 055° to cross TESLE at 7000, then on track 078° to cross FALGO at 6000 and at 210K, then on track 078° to cross CAGOR at/above 5000, then on track 066° to cross JAMIL at/above 4000. Expect ILS RWY 8 approach or RADAR vectors to final approach course.

LANDING RUNWAYS 25L, 25R, 26: From GEELA on track 072° to cross AGGLA at/above 11000 and at/below 14000 and at 250K, then on track 072° to cross CHAVO at 9000 and at 210K, then on track 079° to cross LEMOE at 7000 at 210K, then on track 079°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

LANDING RUNWAY 7L: At FOWLE intercept and execute RWY 7L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 7R: At BALTE intercept and execute RWY 7R ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 8: At JAMIL intercept and execute RWY 8 ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 25L: At LEMOE turn left, intercept and execute RWY 25L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 25R: At LEMOE turn left, intercept and execute RWY 25R RNAV (GPS) approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 26: At LEMOE, turn left, intercept and execute RWY 26 ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(PEHTY.ISHEE2) 24025

ISHEE TWO ARRIVAL

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

ARRIVAL ROUTE DESCRIPTION

DRAKE TRANSITION (DRK.ISHEE2): From over DRK VORTAC on DRK R-281 and IGM R-100 to IGM VOR/DME, then on IGM R-325 to PEHTY, thence. . . .

PEACH SPRINGS TRANSITION (PGS.ISHEE2): From over PGS VOR/DME on PGS R-270 to PEHTY, thence. . . .

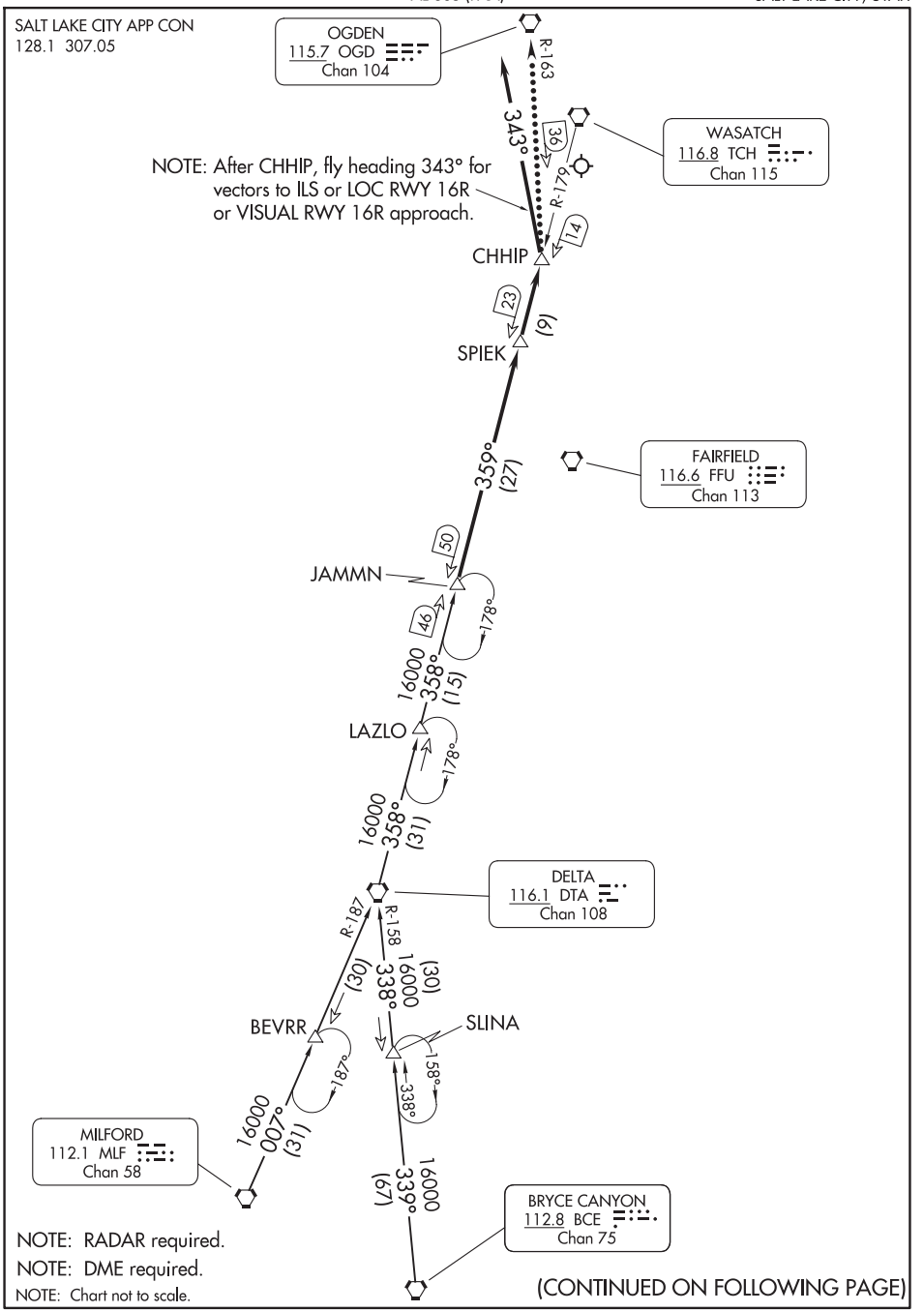
. . . .from over PEHTY on BLD R-097 to BLD VORTAC, expect RADAR vectors to final aproach course.

LOST COMMUNICATIONS: After ISHEE proceed direct BLD VORTAC and hold. Maintain 8000 or last assigned altitude whichever is higher.

ISHEE TWO ARRIVAL
(PEHTY.ISHEE2) 27JAN22
LAS VEGAS, NEVADA
HARRY REID INTL (LAS)
SW-4, 07 AUG 2025 to 02 OCT 2025

JAMMN FIVE ARRIVAL

AL-365 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

BRYCE CANYON TRANSITION (BCE.JAMMN5): From over BCE VORTAC via BCE R-339 and DTA R-158 to DTA VORTAC. Then via DTA R-358 to JAMMN. Thence. . . .
MILFORD TRANSITION (MLF.JAMMN5): From over MLF VORTAC via MLF R-007 and DTA R-187 to DTA VORTAC. Then via DTA R-358 to JAMMN. Thence. . . .

. . . .From JAMMN on TCH VORTAC R-179 to CHHIP, then fly heading 343° for vectors to ILS or LOC RWY 16R or VISUAL Rwy 16R approach.

LOST COMMUNICATIONS
In the event of lost communications, at CHHIP proceed direct OGD VORTAC. Maintain 11000 until OGD VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

(CONTINUED ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

BYRDY TRANSITION (BYRDY.JAYSN3)

From JAYSN on track 098° to WAPID.

LANDING RUNWAYS 1L/R: From WAPID on track 139° to cross PESHY at or above 15000 and at 250K, then on track 166° to cross PAIRR at or above 14200, then on track 166° to cross MEZKL between 10000 and 12000, then on track 151° to LOOMI, then on track 118° to cross ZINPI at or above 9000 and at 210K, then on track 081° to cross SLOTS at 8000, then on track 030° to cross ROAMN at 8000 and at 210K. Expect ILS or LOC RWY 1L or RADAR vectors to final approach course.

LANDING RUNWAYS 8L/R: From WAPID on track 139° to cross PESHY at or above 15000 and at 250K, then on track 166° to cross PAIRR at or above 14200, then on track 166° to cross MEZKL between 10000 and 12000, then on track 151° to LOOMI, then on track 118° to cross ZINPI at or above 9000 and at 210K, then on track 081° to cross SLOTS at 8000, then on track 006° to cross YAGGR at 8000 and at 210K, then on track 005° . Expect RADAR vectors to final approach course.

LANDING RUNWAYS 19L/R: From WAPID on track 081° to cross KEEKE at or above 13000, then on track 104° to ECAKO, then on track 118° to cross DRXLR at or above 10000, then on track 118° to cross MYSHL at or above 8700, then on track 118° to cross CUEVS at or above 6200, then on track 118° to cross KORYN at 4800, then on track 118°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 26L/R: From WAPID on track 139° to cross PESHY at or above 15000 and at 250K, then on track 139° to cross NEEMA at or above 14200, then on track 115° to cross ENNVY at or above 11000, then on track 082° to cross REDQN at or above 9000 and at 210K, then on track 083° to cross BERBN at 8000 and at 210K, then on track 083°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

LANDING RUNWAY 8R: At YAGGR proceed on the RNAV (RNP) RWY 8R approach, if unable, proceed visually to intercept the final approach course; if unable, maintain 8000 proceed to LAS VORTAC then maintain 7000 proceed to BLD VORTAC and then on the ILS or LOC RWY 26L approach.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY APP CON
128.6 322.3
D-ATIS
124.75 125.625

N

ARRIVAL ROUTE DESCRIPTION

HELPR TRANSITION (HELPR.JAZZZ1)
MYTON TRANSITION (MTU.JAZZZ1)
RACER TRANSITION (RACER.JAZZZ1)

From SPANE on track 283° to cross RUSHN at or above 13000, then on track 307° to cross JAZZZ at or above 12000 and at 230K, then on track 325°. Expect RADAR vectors for ILS or RNAV approach to Rwys 34L/R, 35 or RADAR vectors to final approach course.

LOST COMMUNICATIONS
After JAZZZ proceed on the ILS or RNAV RWY 34L approach.

RNAV 1 - GPS.
RADAR required.

325°
JAZZZ
12000 230K
Ldg Rwys 34L/R, 35
307°
(14)
RUSHN
13000
283°
(6)
SPANE
15000 250K
10 NM
105°
12400
*12400
258°
(15)
THISL
12400
*12400
258°
(50)
MYTON
MTU
12 NM
082°
12400
*12400
262°
(57)
RACER
262°
082°
16 NM
285°
12400
*12400
(15)
GOSHU
285°
12400
*12400
(36)
HELPR
105°
285°
12 NM

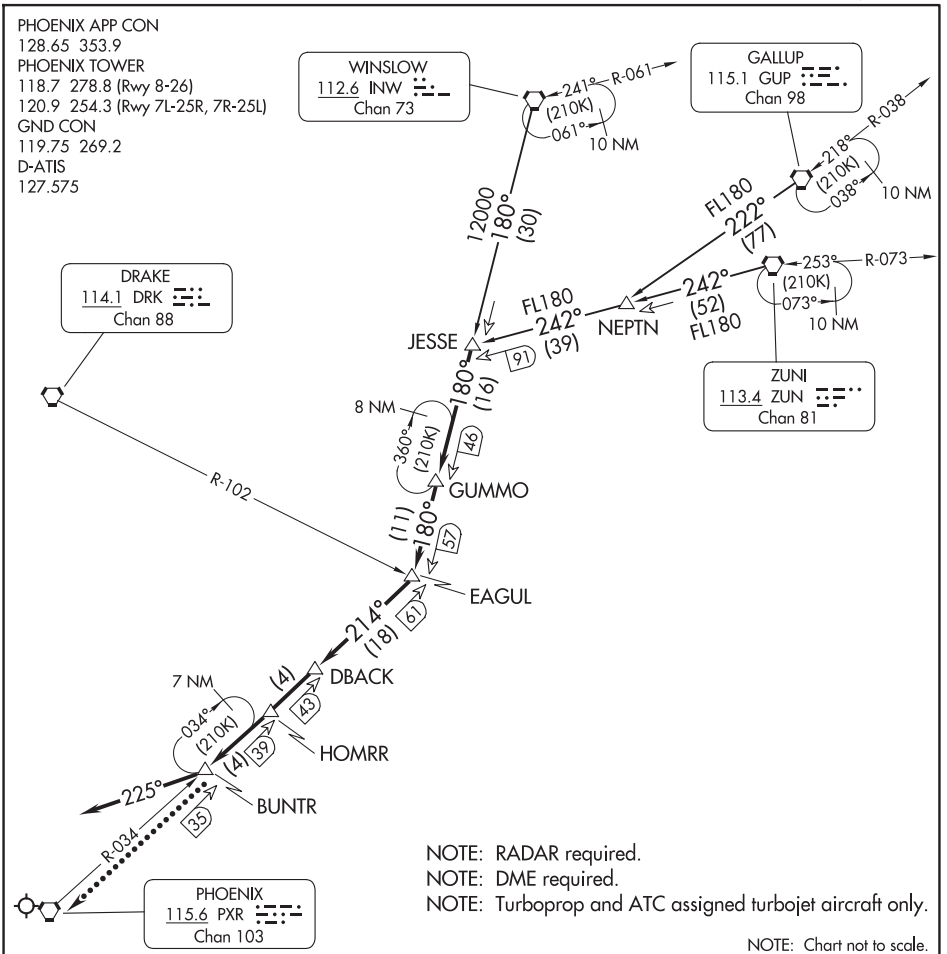
NOTE: Jet aircraft only.
NOTE: GPS required
NOTE: MYTON transition, ATC assigned only.
NOTE: Chart not to scale.

(JESSE.JESSE3) 23334

JESSE THREE ARRIVAL

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA



ARRIVAL ROUTE DESCRIPTION

GALLUP TRANSITION (GUP.JESSE3): From over GUP VORTAC on GUP R-222 and ZUN R-242 to JESSE. Thence. . . .

WINSLOW TRANSITION (INW.JESSE3): From over INW VORTAC on INW R-180 to JESSE. Thence. . . .

ZUNI TRANSITION (ZUN.JESSE3): From over ZUN VORTAC on ZUN R-242 to JESSE. Thence. . . .

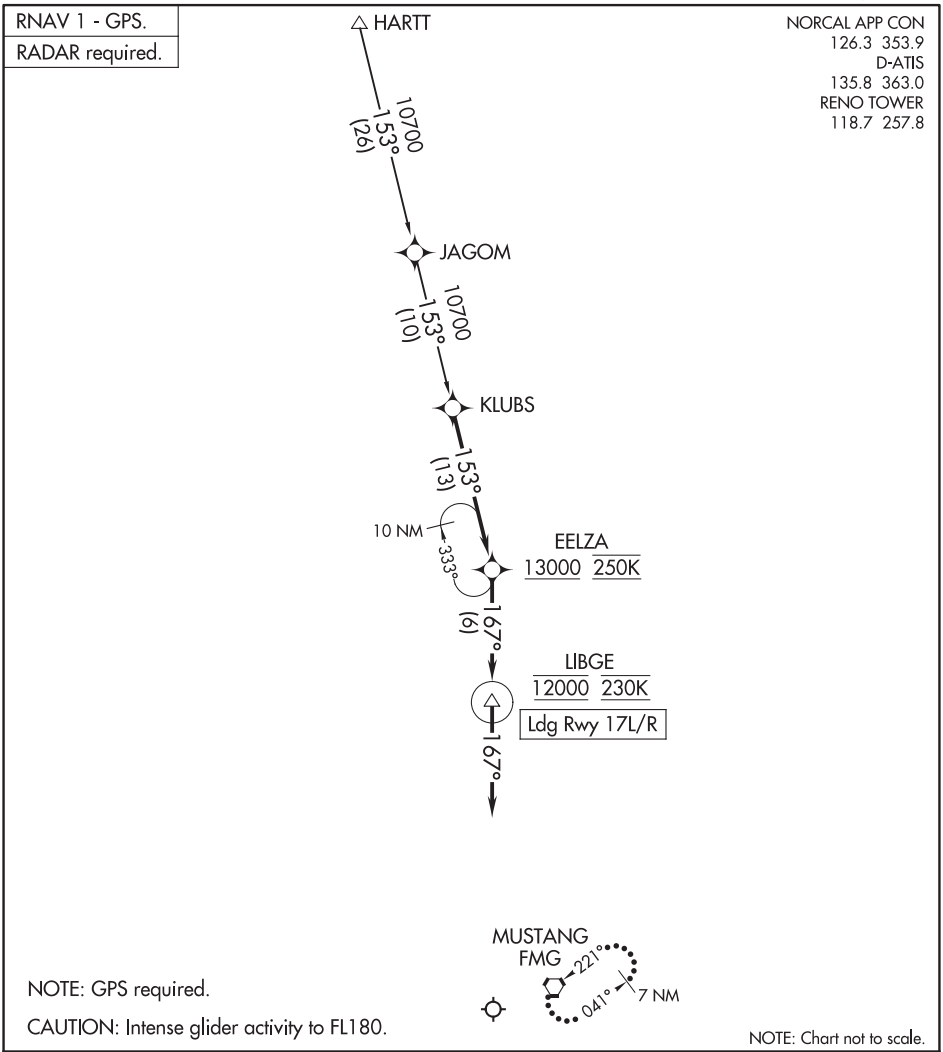
. . . .From over JESSE on INW R-180 to GUMMO, then on INW R-180 to EAGUL, then on PXR R-034 to DBACK, then on PXR R-034 to HOMRR, then on PXR R-034 to BUNTR, after BUNTR fly heading 225°, expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

After BUNTR, proceed direct to PXR VORTAC.

KLUBS ONE ARRIVAL (RNAV)

AL-346 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

HARTT TRANSITION (HARTT.KLUBS1)

From KLUBS on track 153° to cross EELZA at or above 13000 and at 250K, then on track 167° to cross LIBGE at 12000 and at 230K, then on heading 167°. Expect assigned instrument approach for Rwy 17L/R or RADAR vectors to final approach course.

LOST COMMUNICATIONS

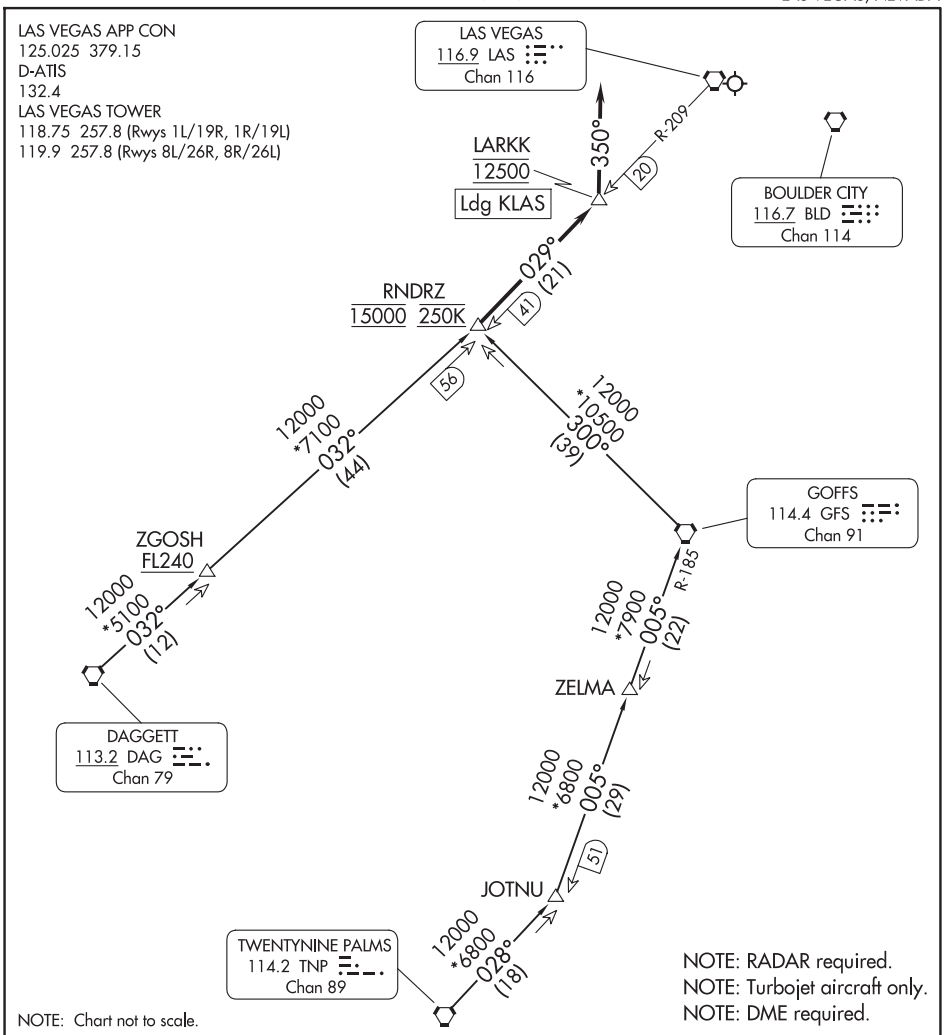
At LIBGE, proceed inbound via Rwy 17R ILS approach. If unable, direct FMG VORTAC and hold.

(RNDRZ.LARKK1) 24025

LARKK ONE ARRIVAL

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA



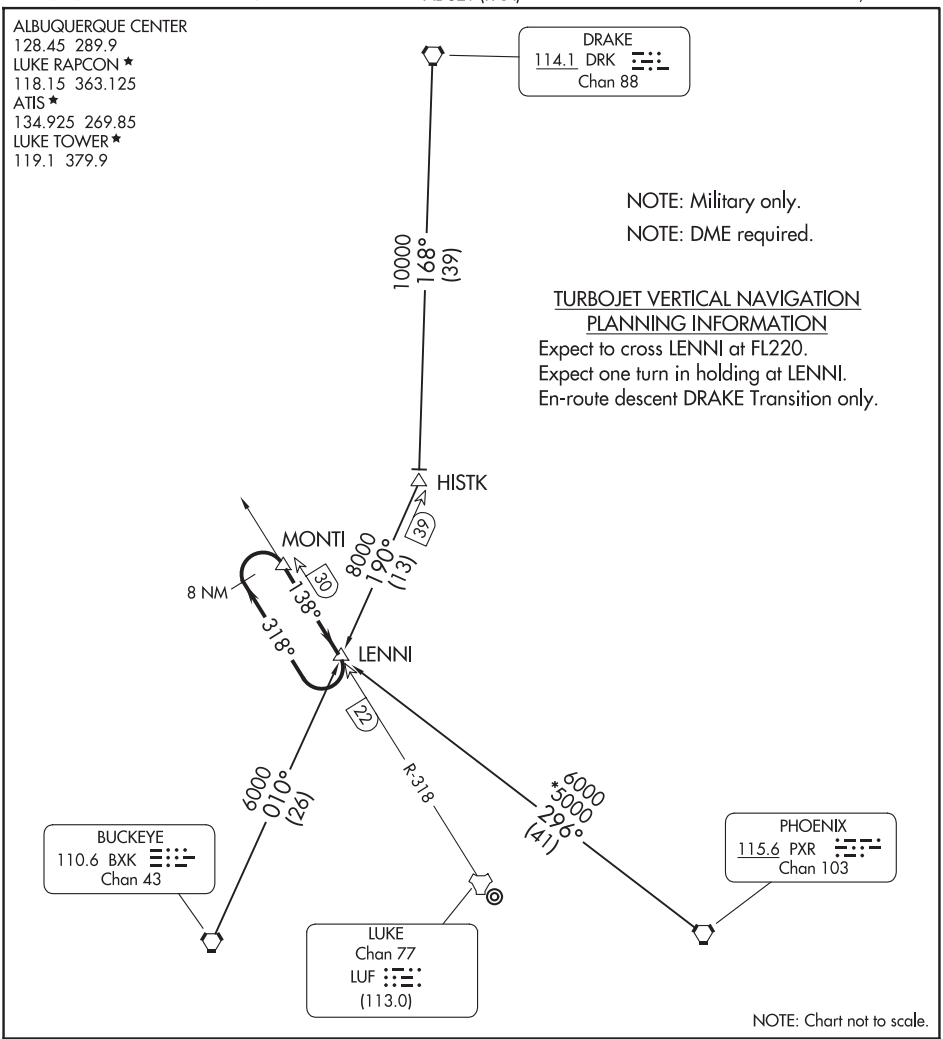
ARRIVAL ROUTE DESCRIPTION

DAGGETT TRANSITION (DAG.LARKK1): From over DAG VORTAC on DAG R-032 to RNDRZ, thence. . . .

TWENTYNINE PALMS TRANSITION (TNP.LARKK1): From over TNP VORTAC on TNP R-028 and GFS R-185 to GFS VORTAC, then on GFS R-300 to RNDRZ, thence. . . .

. . . .from over RNDRZ on LAS R-209 to cross LARKK at 12500, then depart LARKK heading 350° for vectors to final aproach.

LOST COMMUNICATIONS: Proceed to BLD VORTAC and hold. Maintain 8000 or last assigned altitude whichever is greater.



ARRIVAL ROUTE DESCRIPTION

BUCKEYE TRANSITION (BXK.LENNI4): From over BXK VORTAC on BXK R-010 to LENNI. Thence . . . .

DRAKE TRANSITION (DRK.LENNI4): From over DRK VORTAC on DRK R-168 and BXK R-010 to LENNI. Thence . . . .

PHOENIX TRANSITION (PXR.LENNI4): From over PXR VORTAC on PXR R-296 to LENNI. Thence . . . .

. . . . expect one turn in holding at LENNI followed by HI-TACAN, HI-ILS or LOC/DME to Luke AFB.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

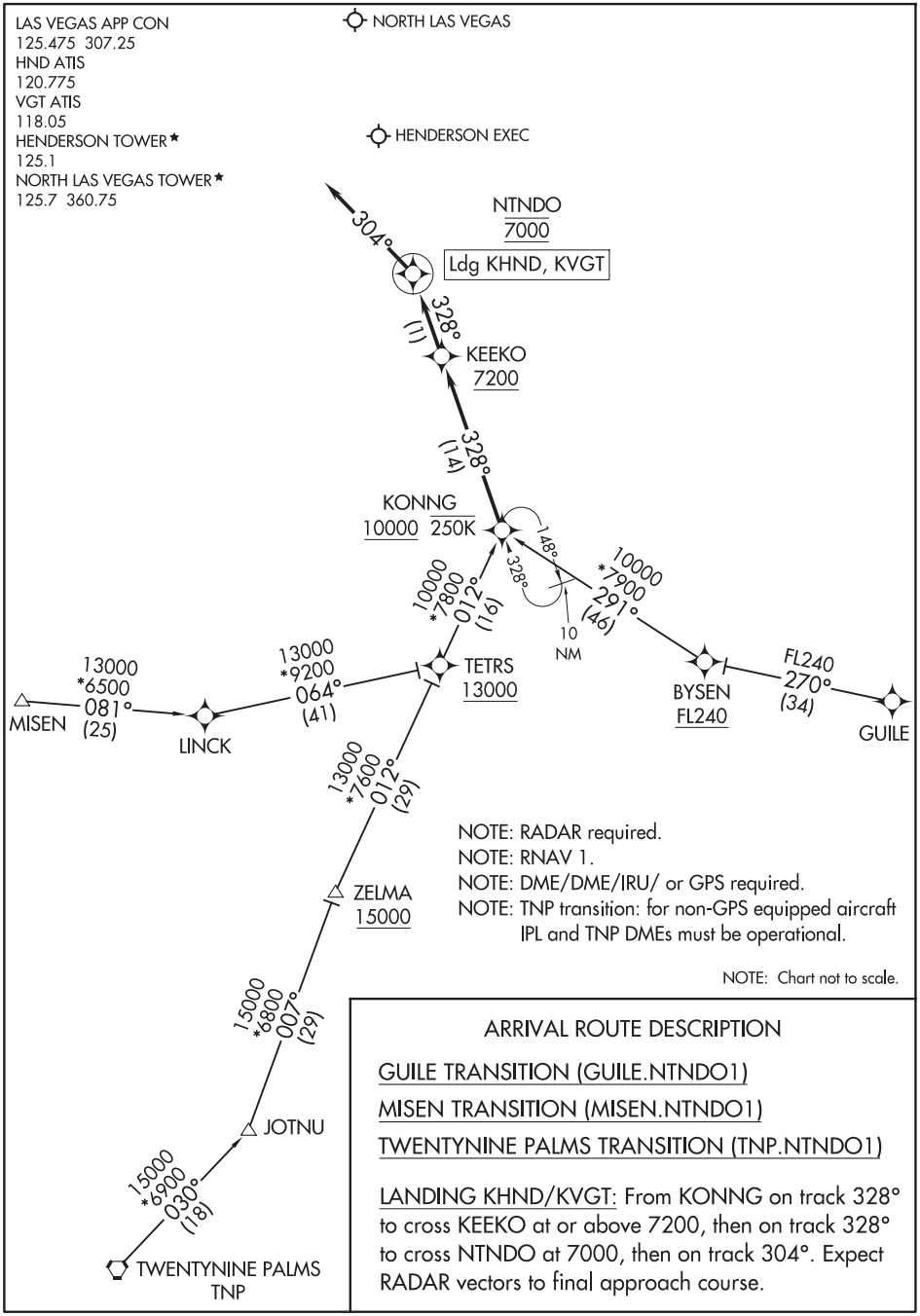
(KONNG.NTNDO1) 21336

NTNDO ONE ARRIVAL (RNAV)

AL-6514 (FAA)

LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025



NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU/ or GPS required.
NOTE: TNP transition: for non-GPS equipped aircraft IPL and TNP DMEs must be operational.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

GUILE TRANSITION (GUILE.NTNDO1)

MISEN TRANSITION (MISEN.NTNDO1)

TWENTYNINE PALMS TRANSITION (TNP.NTNDO1)

LANDING KHND/KVGT: From KONNG on track 328° to cross KEEKO at or above 7200, then on track 328° to cross NTNDO at 7000, then on track 304°. Expect RADAR vectors to final approach course.

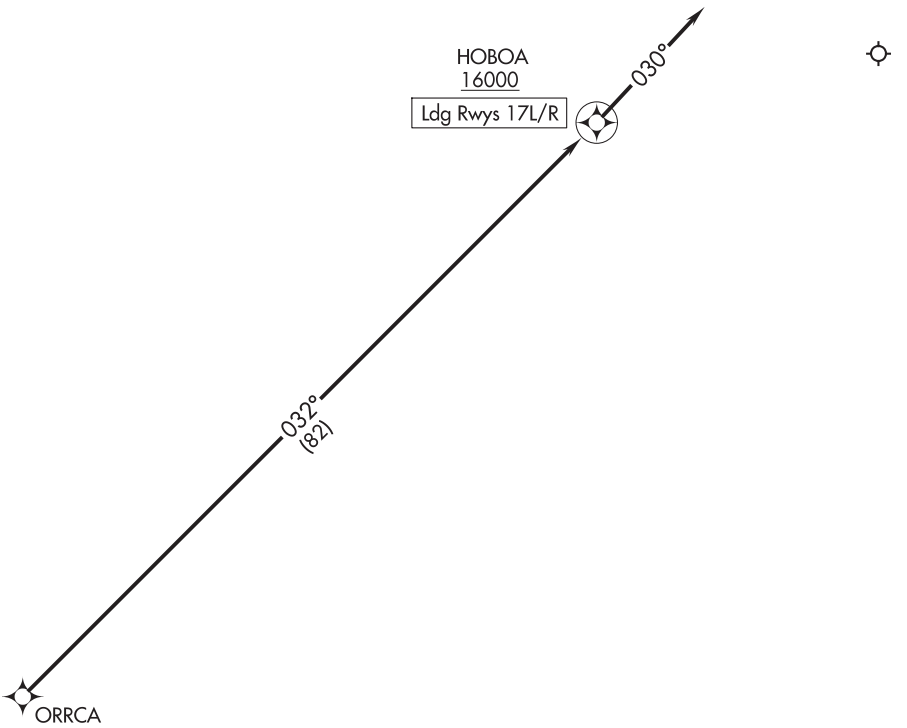
NTNDO ONE ARRIVAL (RNAV)

LAS VEGAS, NEVADA

(KONNG.NTNDO1) 25FEB21

NORCAL APP CON
126.3 353.9
D-ATIS
135.8 363.0
RENO TOWER
118.7 257.8

RNAV 1- DME/DME/IRU or GPS.
RADAR required.



CAUTION: Intense glider activity to FL180.

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From ORRCA on track 032° to cross HOBOA at/above 16000, then on track 030°. Expect assigned instrument approach for Rwys 17L/R or RADAR vectors to final approach course.

(PINNG.PINNG1) 17117 AL-322 (FAA)

PINNG ONE ARRIVAL (RNAV) Transition Routes

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

PINNG ONE ARRIVAL (RNAV) Transition Routes

PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

(PINNG.PINNG1) 18SEP14

PHOENIX APP CON 124.1 256.9
PHOENIX TOWER 118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwys 7R-25L, 7L-25R)
GND CON 119.75 269.2 (North) 132.55 269.2 (South)
D-ATIS 127.575
JAGAL 4000
FINAP 6000 5000
PUKRE 9000 210K 8000
PAAAR 12000 230K 10000
BRDEY 13000 250K
PINNG 17000 270K
4000 292° (4)
4000 284° (4)
4000 282° (4)
5000 322° (12)
8000 325° (10)
10000 326° (10)
12000 296° (16)
13000 292° (18)
112° 10 NM
292° 112° 10 NM
GIPSE 4000
ZAMEX 4000
5 NM 075° 255°
PHOENIX PXR
VISTL
7000 283° (5)
LGACY 7000 210K
7000 296° (7)
RVANN 9000 230K 8000
8000 296° (8)
DDUKE 12000 10000
10000 296° (8)
WIGWM 14000 250K 12000
7000 258° (9)
NEELE 7000 210K
258°
N
NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: Chart not to scale.
(NARRATIVE ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

From PINNG on track 292° to cross BRDEY at/above 13000 and at 250K.

LANDING RUNWAYS 7L, 7R, 8: From BRDEY on track 296° to cross WIGWM at/above 12000 and at/below 14000 and at 250K, then on track 296° to cross DDUKE at/above 10000 and at/below 12000, then on track 296° to cross RVANN at/above 8000 and at/below 9000 and at 230K, then on track 296° to cross LGACY at 7000 and at 210K, then on track 283° to VISTL, then on track 258° to cross NEELE at 7000 and at 210K, then on track 258°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 25L: From BRDEY on track 326° to cross PAAAR at/above 10000 and at/below 12000 and at 230K, then on track 325° to cross PUKRE at/above 8000 and at/below 9000 and at 210K, then on track 322° to cross FINAP at/above 5000 and at/below 6000, then on track 282° track to cross GIPSE at/above 4000. Expect ILS or LOC RWY 25L approach or RADAR vectors to final approach course.

LANDING RUNWAY 25R: From BRDEY on track 326° to cross PAAAR at/above 10000 and at/below 12000 and at 230K, then on track 325° to cross PUKRE at/above 8000 and at/below 9000 and at 210K, then on track 322° to cross FINAP at/above 5000 and at/below 6000, then on track 284° to cross ZAMEX at/above 4000. Expect RNAV (GPS) Y or (RNP) Z RWY 25R approach or RADAR vectors to final approach course.

LANDING RUNWAY 26: From BRDEY on track 326° to cross PAAAR at/above 10000 and at/below 12000 and at 230K, then on track 325° to cross PUKRE at/above 8000 and at/below 9000 and at 210K, then on track 322° to cross FINAP at/above 5000 and at/below 6000, then on track 292° to cross JAGAL at/above 4000. Expect ILS or LOC RWY 26 approach or RADAR vectors to final approach course.

LOST COMMUNICATIONS

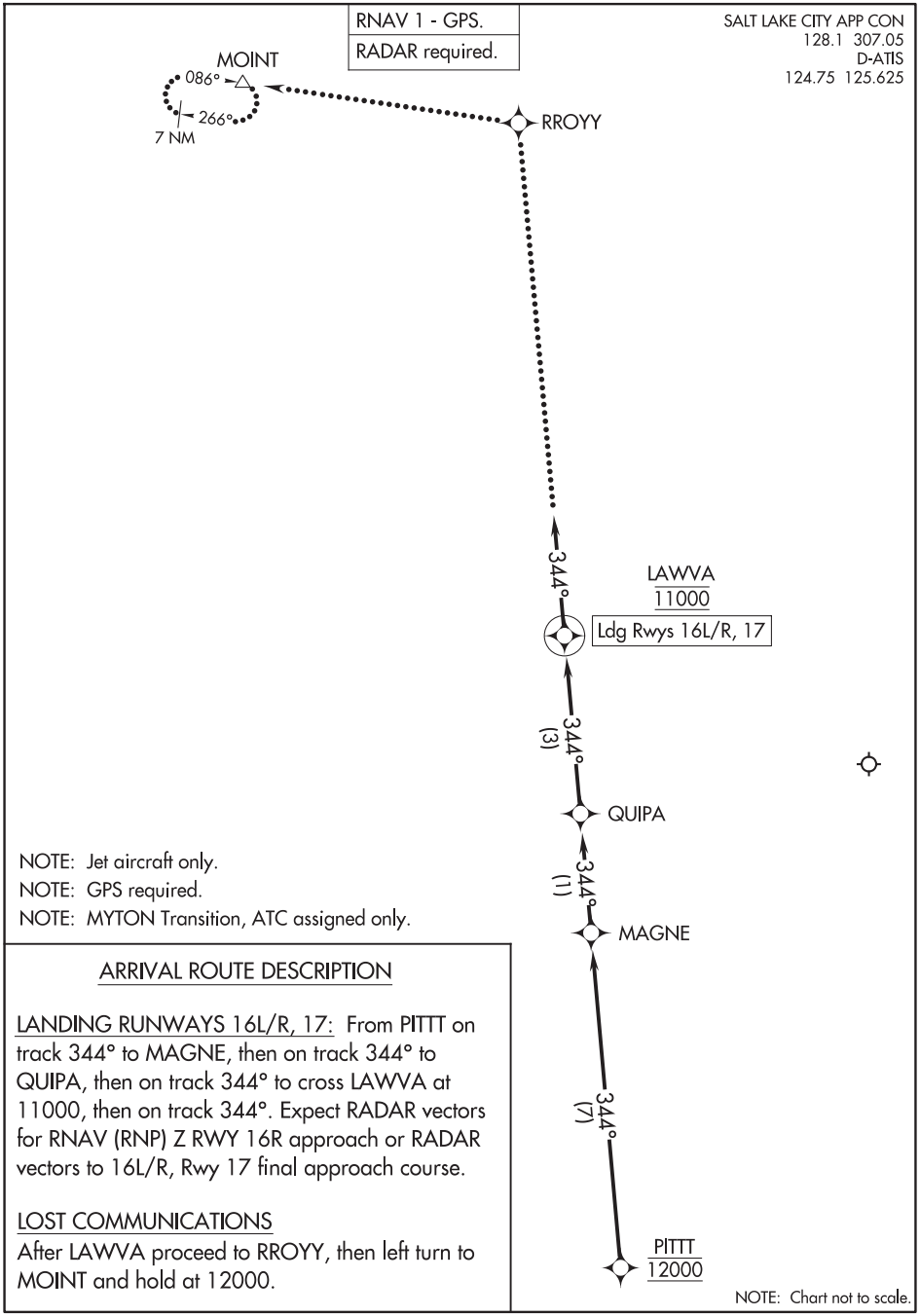
LANDING RUNWAY 7L: At NEELE turn right, intercept and execute RWY 7L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 7R: At NEELE turn right, intercept and execute RWY 7R ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 8: At NEELE turn right, intercept and execute RWY 8 ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 25L: At GIPSE intercept and execute RWY 25L ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 25R: At ZAMEX intercept and execute RWY 25R RNAV (GPS) approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.
LANDING RUNWAY 26: At JAGAL intercept and execute RWY 26 ILS approach. If unable, proceed direct PXR VORTAC and hold, maintain 9000.

BRYCE CANYON TRANSITION (BCE.PITTT1)
HELPR TRANSITION (HELPR.PITTT1)
MEEKER TRANSITION (EKR.PITTT1)
MILFORD TRANSITION (MLF.PITTT1)
MYTON TRANSITION (MTU.PITTT1)
RNAV 1 - GPS.
RADAR required.
SALT LAKE CITY APP CON
128.1 307.05
D-ATIS
124.75 125.625
PITTT
12000
See following page for arrival routes
(5)
11200
*9500
352°
HEIRY
(5)
11200
*10100
004°
SPIEK
14000
13000
(11)
12900
*12900
004°
DRAPR
15000
14000
(16)
12900
*12900
004°
JAMMN
17000 280K
184°
11 NM
(46)
12900
*12900
003°
DELTA
DTA
(30)
12900
*12900
012°
BEVRR
(31)
12900
*12900
012°
MILFORD
MLF
192°
12 NM
BRYCE CANYON
BCE
(30)
12900
*12900
343°
SLINA
17000
163°
12 NM
(67)
14400
*14400
343°
(13)
11200
*11200
343°
DRYVE
15000
11200
*11200
319°
(10)
FAIRFIELD
FFU
17000
11200
*11200
285°
(13)
LEEHY
12400
*12400
285°
(7)
SPANE
FL190 280K
10 NM
105°
12400
*12400
258°
(15)
THISL
285°
(15)
12400
*12400
GOSHU
12400
*12400
285°
(36)
HELPR
105°
12 NM
285°
12 NM
12400
*12400
258°
(50)
MYTON
MTU
082°
12 NM
12400
*12400
262°
(57)
RACER
082°
16 NM
12400
*12400
262°
(44)
MEEKER
EKR
N
NOTE: Jet aircraft only.
NOTE: GPS required.
NOTE: MYTON Transition, ATC assigned only.
NOTE: Chart not to scale.
(CONTINUED ON FOLLOWING PAGE)

(PITTT.PITTT1) 25051

PITTT ONE ARRIVAL (RNAV) Arrival Routes

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH
AL-365 (FAA)



NOTE: Jet aircraft only.
NOTE: GPS required.
NOTE: MYTON Transition, ATC assigned only.

ARRIVAL ROUTE DESCRIPTION

LANDING RUNWAYS 16L/R, 17: From PITTT on track 344° to MAGNE, then on track 344° to QUIPA, then on track 344° to cross LAWVA at 11000, then on track 344°. Expect RADAR vectors for RNAV (RNP) Z RWY 16R approach or RADAR vectors to 16L/R, Rwy 17 final approach course.

LOST COMMUNICATIONS
After LAWVA proceed to RROYY, then left turn to MOINT and hold at 12000.

PITTT ONE ARRIVAL (RNAV) Arrival Routes

SALT LAKE CITY, UTAH
SALT LAKE CITY INTL (SLC)

(PITTT.PITTT1) 20FEB25

SW-4, 07 AUG 2025 to 02 OCT 2025

PUMLE ONE ARRIVAL

ARRIVAL ROUTE DESCRIPTION

BEATTY TRANSITION (BTY.PUMLE1): From over BTY VORTAC on BTY R-113 to PUMLE, thence. . . .

. . . .From PUMLE on BTY R-113 to cross FABLE at or above 13000, then on BLD R-258 to cross ENNVY at or above 11000, then to BLD VORTAC and cross at 8000. Thence. . . .

LANDING KLAS: From over BLD VORTAC expect RADAR vectors for all runways.

LANDING KHND: From over ENNVY expect RADAR vectors to airport.

LOST COMMUNICATIONS: After ENNVY proceed direct BLD VORTAC and hold. Maintain 8000 or last assigned altitude whichever is greater.

PUMLE ONE ARRIVAL

LAS VEGAS, NEVADA

(QWENN.QWENN6) 25051

QWENN SIX ARRIVAL (RNAV)

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

ARRIVAL ROUTE DESCRIPTION

BRYCE CANYON TRANSITION (BCE.QWENN6)
MILFORD TRANSITION (MLF.QWENN6)

From QWENN on track 344°. Expect RADAR vectors for ILS or RNAV approach to Rwys 34L/R, 35 or RADAR vectors to final approach course.

LOST COMMUNICATIONS
After QWENN, proceed on the ILS or LOC RWY 34L approach.

RNAV 1 - GPS.
RADAR required.

SALT LAKE CITY APP CON
128.6 322.3
D-ATIS
124.75 125.625

QWENN
11000 230K
Ldg Rwys 34L/R, 35

FRNZY
14000 250K

NEEBO
14000 250K

UINTA

DELTA
DTA

MARNN

BEVRR

RRICH

MILFORD
MLF

BRYCE CANYON
BCE

NOTE: Jet aircraft only.

NOTE: GPS required.

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

QWENN SIX ARRIVAL (RNAV)
(QWENN.QWENN6) 20FEB25

SALT LAKE CITY, UTAH
SALT LAKE CITY INTL (SLC)

RKSTR FOUR ARRIVAL (RNAV) Transition Routes

SW-4, 07 AUG 2025 to 02 OCT 2025

(PEHTY.RKSTR4) 24305

AL-662 (FAA)

RKSTR FOUR ARRIVAL (RNAV) Arrival Routes

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

RKSTR FOUR ARRIVAL (RNAV) Arrival Routes
(PEHTY.RKSTR4) 31OCT24
LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

ARRIVAL ROUTE DESCRIPTION

From PEHTY on track 288° to RKSTR.

LANDING RUNWAYS 1L/R, 8L/R: From RKSTR on track 252° to cross LEEEW at or above 14000 and at 250K, then on track 251° to cross JAIDE at or below 13000, then on track 209° to cross SHEEN at or above 12000, then on track 208° to NEETL, then on track 259° to cross CAMMP at 10000 and at 210K, then on track 338° to cross BUGSS at 9000, then on track 001° to cross VANDL at 9000, then on track 001°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 19L/R: From RKSTR on track 347° to cross GROLL at or below 11000, then on track 347° to cross FEREL at or above 10000 and at 250K, then on track 306° to cross JOVII at 10000, then on track 262° to cross FELAA at 9200, then on track 240° to cross BOOOO at 7000 and at 230K, then on track 240° to NNEON, then on track 263° to cross PPENN at 6000 and at 190K, then on track 263°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 26L: From RKSTR on track 297° to cross HUXLY between 10000 and 13000 and at 250K, then on track 296° to cross HAYLN at or below 9000, then on track 290° to cross PRINO at 8000 and at 210K. Expect ILS or LOC RWY 26L approach.

LANDING RUNWAY 26R: From RKSTR on track 297° to cross HUXLY between 10000 and 13000 and at 250K, then on track 296° to cross HAYLN at or below 9000, then on track 292° to cross FLYES at 8000 and at 210K. Expect ILS or LOC RWY 26R approach.

LOST COMMUNICATIONS

LANDING RUNWAYS 1L/R, 8L/R: At VANDL proceed on the RNAV (GPS) RWY 1R approach, if unable maintain 8100 direct BLD VORTAC and then on the ILS or LOC RWY 26L approach.

LANDING RUNWAY 19L: At PPENN proceed on the RNAV (RNP) RWY 19L approach, if unable, proceed via last track to intercept the final approach course; if unable, maintain 7000 direct LAS VORTAC then direct BLD VORTAC and then on the ILS or LOC RWY 26L approach.

SW-4, 07 AUG 2025 to 02 OCT 2025

(RNDRZ.RNDRZ4) 25219

RNDRZ FOUR ARRIVAL (RNAV) Transition Routes

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNDRZ FOUR ARRIVAL (RNAV) Transition Routes

(RNDRZ.RNDRZ4) 07AUG25

LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

RNDRZ FOUR ARRIVAL (RNAV) Arrival Routes

(RNDRZ.RNDRZ4) 25219

RNDRZ FOUR ARRIVAL (RNAV)

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

ARRIVAL ROUTE DESCRIPTION

LANDING RUNWAYS 1L/R: From RNDRZ on track 048° to cross RUMLY between 10000 and 13000, then on track 048° to cross HIMIT at or above 8800, then on track 048° to cross SLOTS at 8000, then on track 030° to cross ROAMN at 8000 and at 210K, then on track 030°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8L/R: From RNDRZ on track 048° to cross RUMLY between 10000 and 13000, then on track 048° to cross HIMIT at or above 8800, then on track 048° to cross SLOTS at 8000, then on track 006° to cross YAGGR at 8000 and at 210K, then on track 005°. Expect RADAR vectors to final approach course.

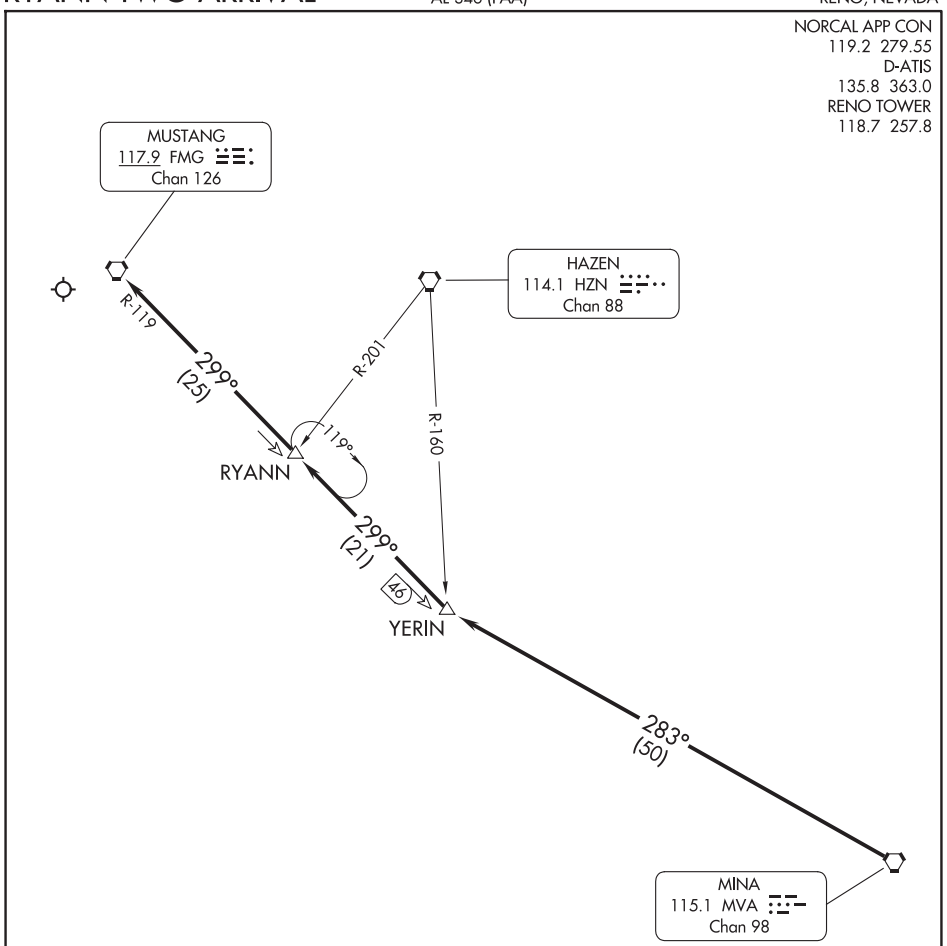
LANDING RUNWAYS 19L/R, 26L/R: From RNDRZ on track 037° to GRMMA, then on track 019° to cross BUETY at or above 13000, then on track 019° to cross ENNVY at or above 11000, then on track 082° to cross REDQN at or above 9000 and at 210K, then on track 083° to cross BERBN at 8000 and at 210K, then on track 079°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS

LANDING RUNWAY 8R: At YAGGR proceed on the RNAV (RNP) RWY 8R approach, if unable, proceed visually to intercept the final approach course; if unable, maintain 8000 proceed direct LAS VORTAC then maintain 7000 proceed to BLD VORTAC and then on the ILS or LOC RWY 26L approach.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



CAUTION: Intense glider activity to FL180.

NOTE: Runways 17L/R only.

NOTE: RADAR required.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

RUNWAYS 17L/R: From over MVA VORTAC on MVA R-283 to YERIN, thence on FMG R-119 to FMG VORTAC. Expect RADAR vectors to Runways 17L/R.

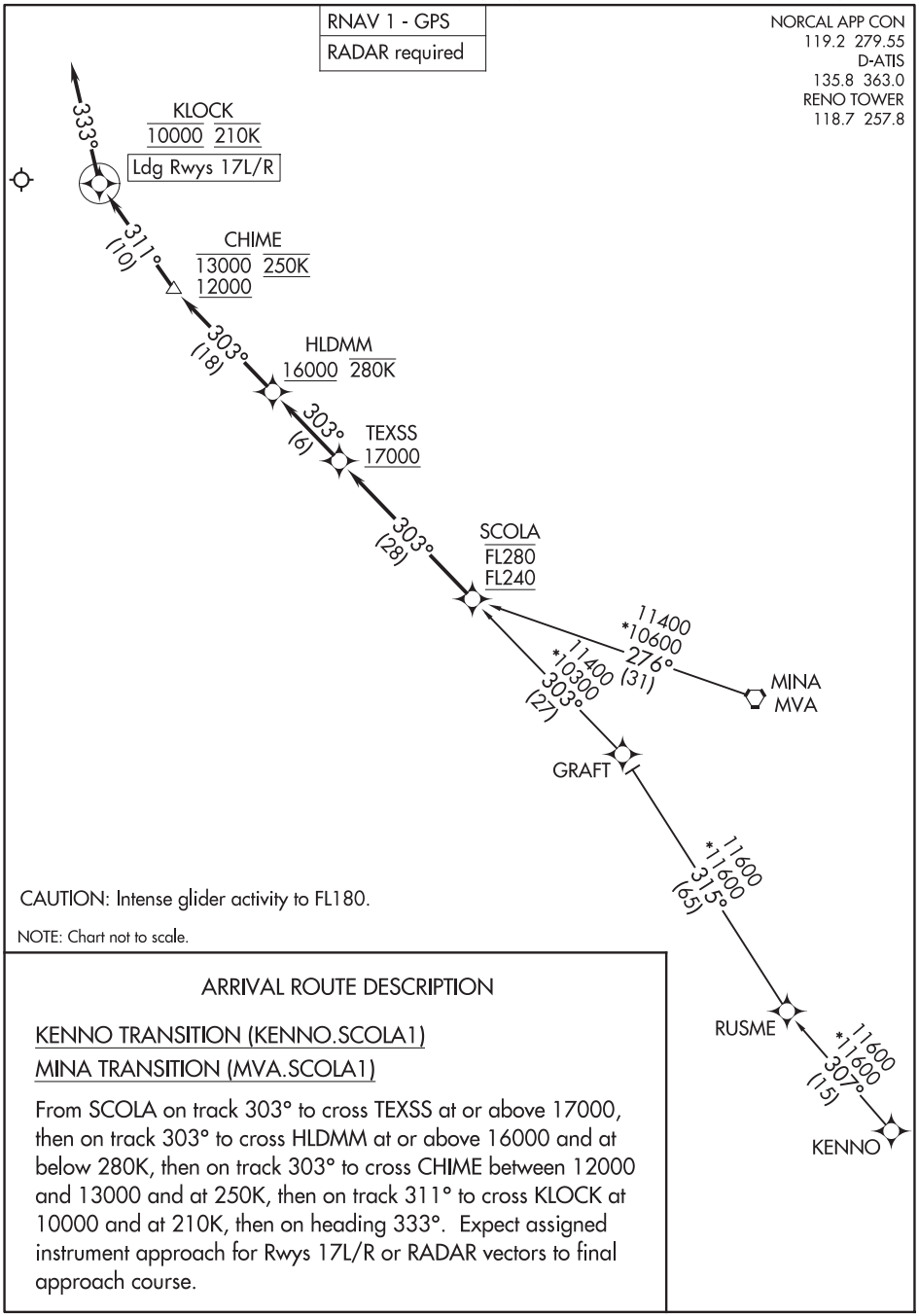
SW-4, 07 AUG 2025 to 02 OCT 2025

(SCOLA.SCOLA1) 22307

SCOLA ONE ARRIVAL (RNAV)

AL-346 (FAA)

RENO/TAHOE INTL (RNO)
RENO, NEVADA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

KENNO TRANSITION (KENNO.SCOLA1)

MINA TRANSITION (MVA.SCOLA1)

From SCOLA on track 303° to cross TEXSS at or above 17000, then on track 303° to cross HLDMM at or above 16000 and at below 280K, then on track 303° to cross CHIME between 12000 and 13000 and at 250K, then on track 311° to cross KLOCK at 10000 and at 210K, then on heading 333°. Expect assigned instrument approach for Rwys 17L/R or RADAR vectors to final approach course.

SCOLA ONE ARRIVAL (RNAV)

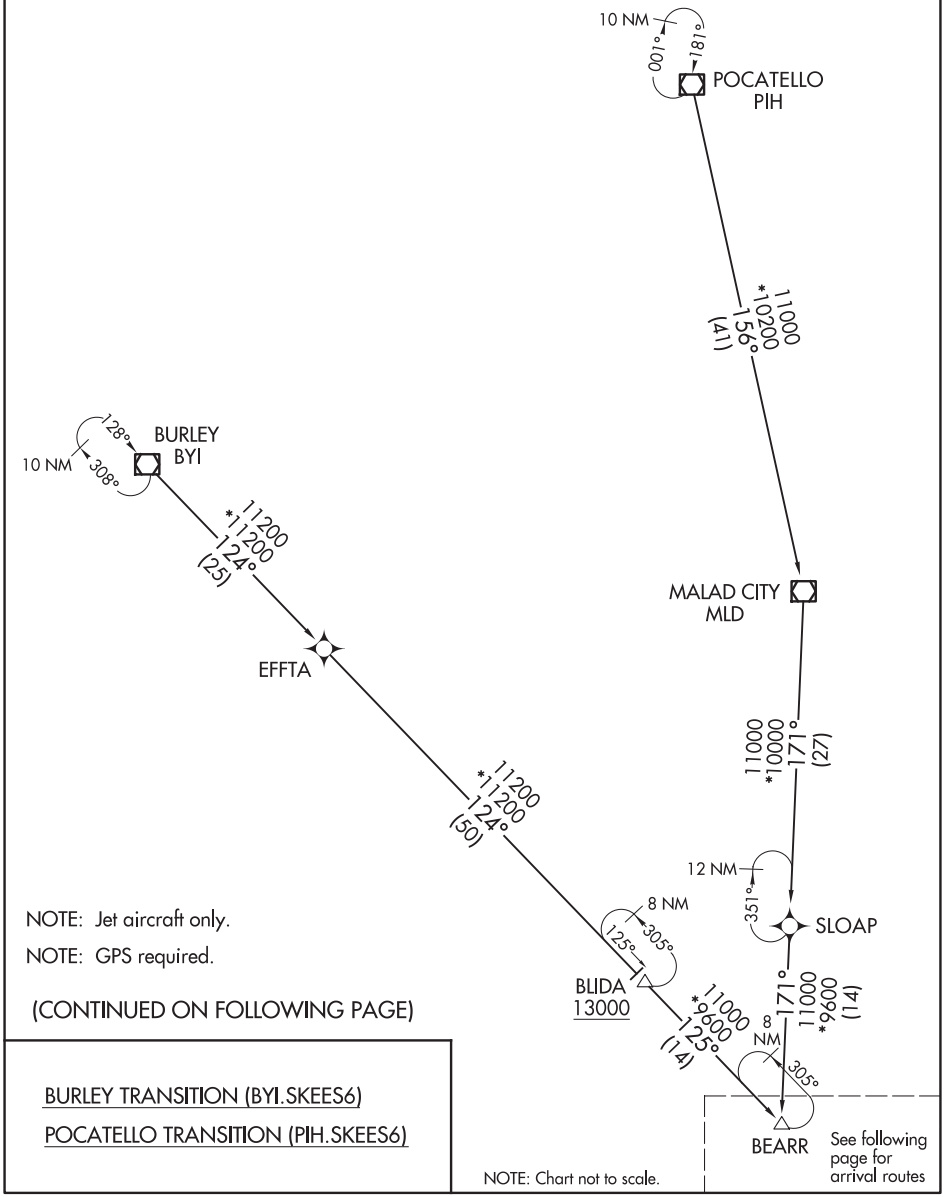
(SCOLA.SCOLA1) 03NOV22

RENO, NEVADA
RENO/TAHOE INTL (RNO)

SKEES SIX ARRIVAL (RNAV) Transition Routes AL-365 (FAA)

SALT LAKE CITY APP CON
124.9 290.3
D-ATIS
124.75 125.625

RNAV 1 - GPS.
RADAR required.



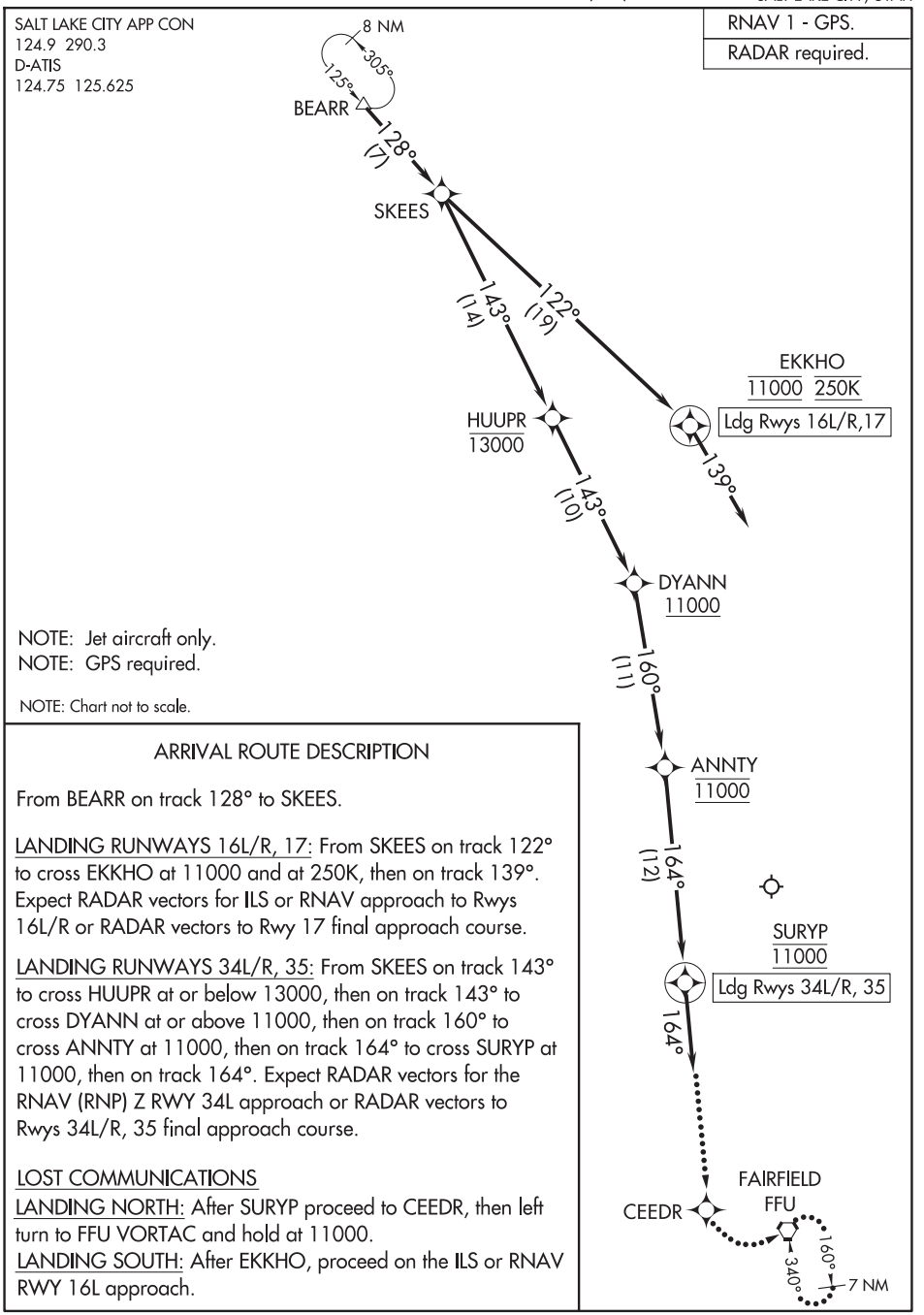
SW-4, 07 AUG 2025 to 02 OCT 2025

(BEARR.SKEES6) 25051

SKEES SIX ARRIVAL (RNAV) Arrival Routes

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH



NOTE: Jet aircraft only.
NOTE: GPS required.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

From BEARR on track 128° to SKEES.

LANDING RUNWAYS 16L/R, 17: From SKEES on track 122° to cross EKKHO at 11000 and at 250K, then on track 139°. Expect RADAR vectors for ILS or RNAV approach to Rwys 16L/R or RADAR vectors to Rwy 17 final approach course.

LANDING RUNWAYS 34L/R, 35: From SKEES on track 143° to cross HUUPR at or below 13000, then on track 143° to cross DYANN at or above 11000, then on track 160° to cross ANNTY at 11000, then on track 164° to cross SURYP at 11000, then on track 164°. Expect RADAR vectors for the RNAV (RNP) Z RWY 34L approach or RADAR vectors to Rwys 34L/R, 35 final approach course.

LOST COMMUNICATIONS

LANDING NORTH: After SURYP proceed to CEEDR, then left turn to FFU VORTAC and hold at 11000.

LANDING SOUTH: After EKKHO, proceed on the ILS or RNAV RWY 16L approach.

SW-4, 07 AUG 2025 to 02 OCT 2025

SKEES SIX ARRIVAL (RNAV) Arrival Routes
(BEARR.SKEES6) 20FEB25

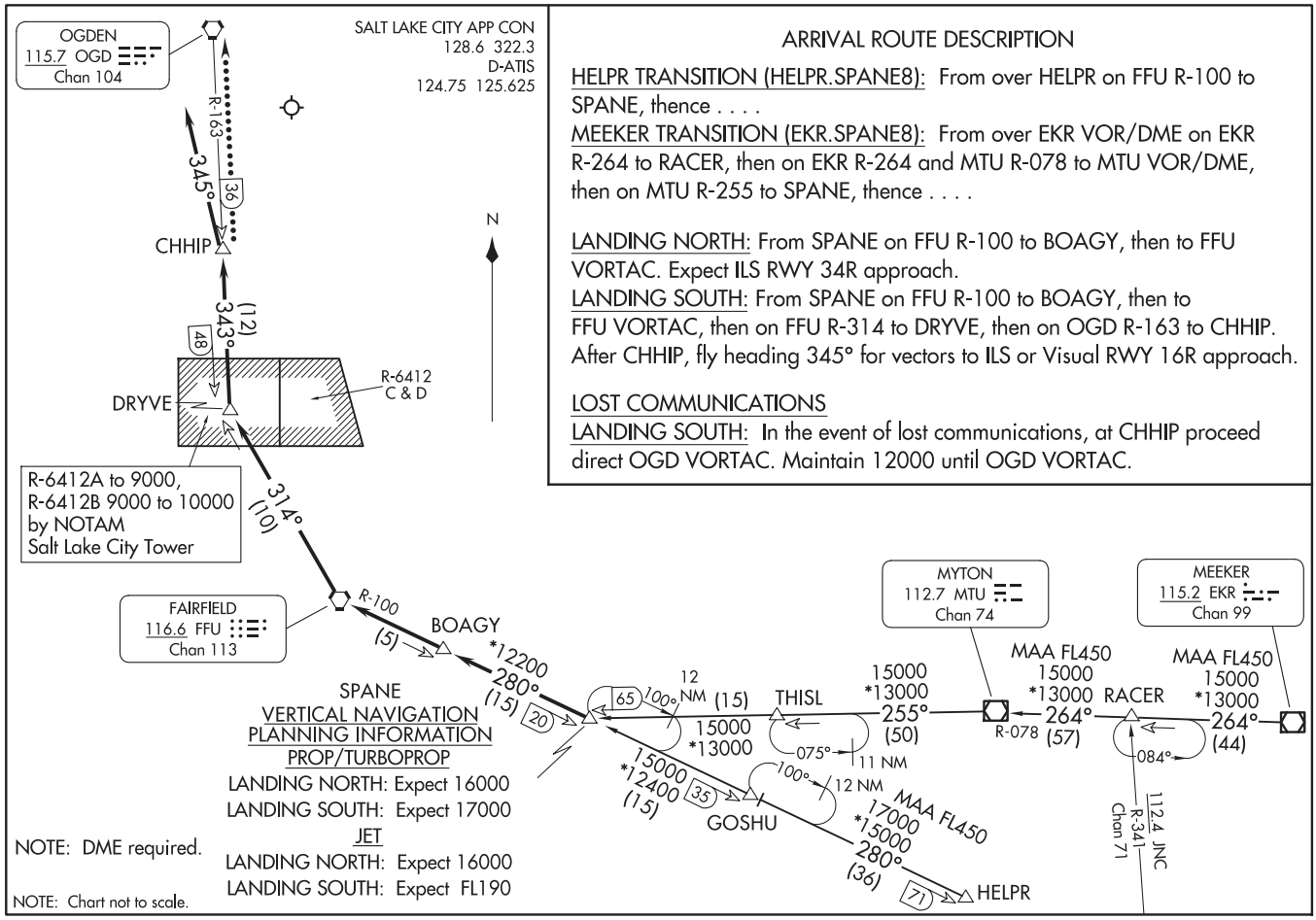
SALT LAKE CITY, UTAH
SALT LAKE CITY INTL (SLC)

SPANE EIGHT ARRIVAL

(SPANE.SPANE8) 16MAY24

SALT LAKE CITY, UTAH

SALT LAKE CITY INTL (SLC)



ARRIVAL ROUTE DESCRIPTION

HELPR TRANSITION (HELPR.SPANE8): From over HELPR on FFU R-100 to SPANE, thence . . . .

MEEKER TRANSITION (EKR.SPANE8): From over EKR VOR/DME on EKR R-264 to RACER, then on EKR R-264 and MTU R-078 to MTU VOR/DME, then on MTU R-255 to SPANE, thence . . . .

LANDING NORTH: From SPANE on FFU R-100 to BOAGY, then to FFU VORTAC. Expect ILS RWY 34R approach.

LANDING SOUTH: From SPANE on FFU R-100 to BOAGY, then to FFU VORTAC, then on FFU R-314 to DRYVE, then on OGD R-163 to CHHIP. After CHHIP, fly heading 345° for vectors to ILS or Visual RWY 16R approach.

LOST COMMUNICATIONS

LANDING SOUTH: In the event of lost communications, at CHHIP proceed direct OGD VORTAC. Maintain 12000 until OGD VORTAC.

(SPANE.SPANE8) 24137

SPANE EIGHT ARRIVAL

SALT LAKE CITY INTL (SLC)

SALT LAKE CITY, UTAH

AL-365 (FAA)

Z69

(BAYBI.SUNSS8) 25051

SUNSS EIGHT ARRIVAL

AL-322 (FAA)

PHOENIX, ARIZONA

NOTE: RADAR required.
NOTE: DME required
NOTE: Landing PHX Sky Harbor Intl, turboprop only.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

SAN SIMON TRANSITION (SSO.SUNSS8): From over SSO VORTAC on SSO R-273 and TFD R-093 to TELGE, then on PXR R-120 to BAYBI. Thence. . . .

TUCSON TRANSITION (TUS.SUNSS8): From over TUS VORTAC on TUS R-335 to BAYBI. Thence. . . .

. . . .from BAYBI on PXR R-120 to SQUEZ and SUNSS. Depart SUNSS on heading 290° for RADAR vectors to final approach course.

LOST COMMUNICATIONS: After SUNSS, proceed direct PXR VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

SUNSS EIGHT ARRIVAL

PHOENIX, ARIZONA

(BAYBI.SUNSS8) 27APR17

SW-4, 07 AUG 2025 to 02 OCT 2025

NORCAL APP CON 119.2 279.55
D-ATIS 135.8 363.0
RENO TOWER 118.7 257.8
RNAV 1 - GPS
RADAR required
N
MUSTANG FMG
223°
041°
7 NM
MINA MVA
12800 *12700 268° (57)
CWALK FL230 FL200
12800 *12700 267° (26)
TARVR 14000
Ldg Rwys 35L/R
12800 *12800 291° (5)
VULPX FL190 15000
13200 *13200 290° (29)
PEONS FL230 FL200
13200 *13200 295° (99)
RUSME
13200 *13200 307° (15)
KENNO
347°
12800 *12200 346° (10)
NEUPS
13200 *13200 346° (31)
SLEAT
13000 *13000 062° (16)
KRKWD
13000 *13000 062° (71)
ORRCA
ARRIVAL ROUTE DESCRIPTION
KENNO TRANSITION (KENNO.TARVR1)
MINA TRANSITION (MVA.TARVR1)
ORRCA TRANSITION (ORRCA.TARVR1)
SLEAT TRANSITION (SLEAT.TARVR1)
From TARVR, then on heading 347°, expect assigned instrument approach for Rwys 35L/R or RADAR vectors to final approach course.
NOTE: Chart not to scale.

(TAYTR.TAYTR2) 25219

TAYTR TWO ARRIVAL (RNAV)

AL-683 (FAA)

PROVO, UTAH

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TAYTR TWO ARRIVAL (RNAV)

PROVO, UTAH

(TAYTR.TAYTR2) 07AUG25

ARRIVAL ROUTE DESCRIPTION

FRNZY TRANSITION (FRNZY.TAYTR2)
JAMMN TRANSITION (JAMMN.TAYTR2)
KNOLE TRANSITION (KNOLE.TAYTR2)
NEEBO TRANSITION (NEEBO.TAYTR2)
SPANE TRANSITION (SPANE.TAYTR2)
YMONT TRANSITION (YMONT.TAYTR2)
YUTES TRANSITION (YUTES.TAYTR2)

LANDING PVU: From TAYTR, then on track 355°. Expect ILS or RNAV RWY 13 approach, or RADAR vectors to final approach course.
LANDING SPK: From TAYTR, then on track 355°. Expect RNAV RWY 12 approach, or RADAR vectors to final approach course.

LOST COMMUNICATIONS
Execute assigned instrument approach.

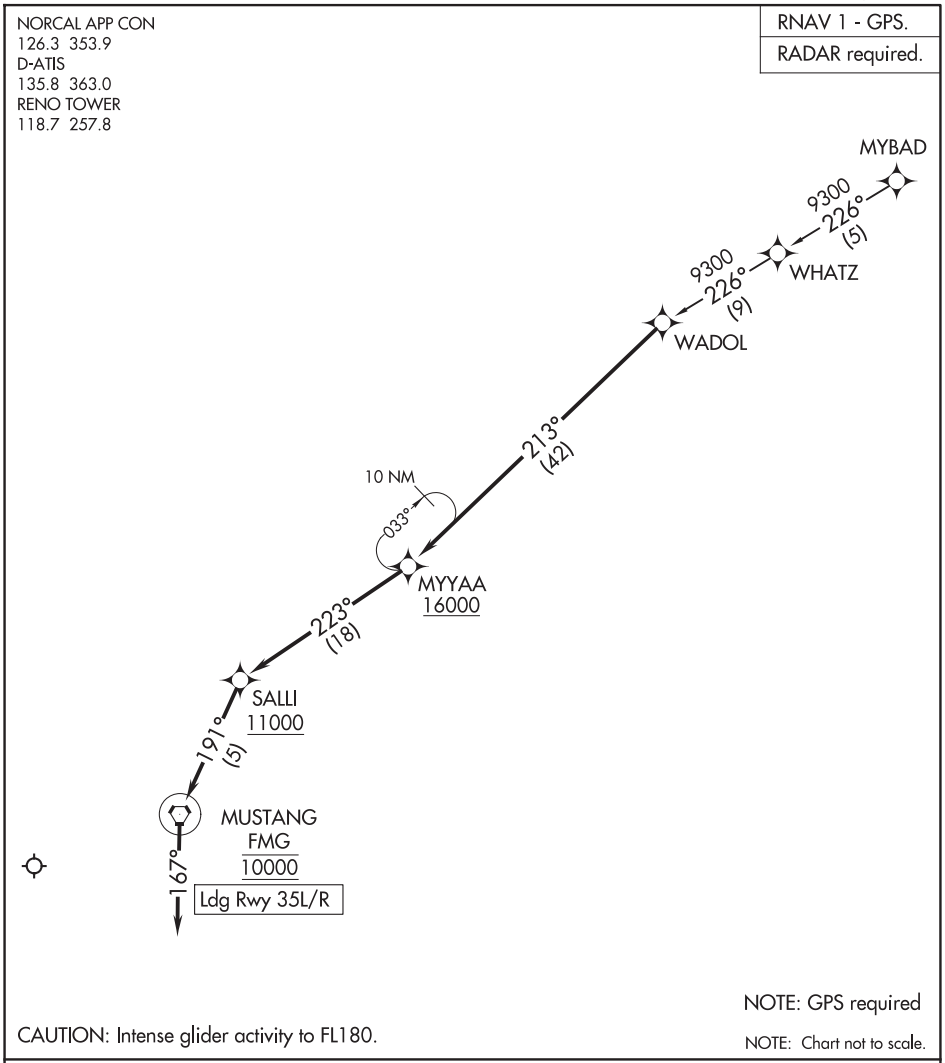
SW-4, 07 AUG 2025 to 02 OCT 2025

(WADOL.WADOL4) 24025

WADOL FOUR ARRIVAL (RNAV)

AL-346 (FAA)

RENO/TAHOE INTL (RNO)
RENO, NEVADA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ARRIVAL ROUTE DESCRIPTION

MYBAD TRANSITION (MYBAD.WADOL4)

From WADOL on track 213° to cross MYYAA at or above 16000, then on track 223° to cross SALLI at or above 11000, then on track 191° to cross FMG VORTAC at 10000, then on heading 167°. Expect assigned instrument approach Rwy 35L/R or RADAR vectors to final approach course.

NORCAL APP CON
126.3 353.9
D-ATIS
135.8 363.0
RENO TOWER
118.7 257.8
RNAV 1 - GPS.
RADAR required.
N
MYBAD
300°
226°
(5)
WHATZ
300°
226°
(9)
WADOL
233°
(27)
UUPPP
230°
(14)
10 NM
050°
HOSME
13000 250K
225°
(8)
WINRZ
11000 230K
Ldg Rwy 17L/R
223°
MUSTANG
FMG
121°
040°
7 NM
RWY 17R
CAUTION: Intense glider activity to FL180.
NOTE: GPS required.
NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION
MYBAD TRANSITION (MYBAD.WINRZ1)
From WADOL on track 230° to UUPPP, then on track 230° to cross HOSME at or above 13000 and at 250K, then on track 225° to cross WINRZ at 11000 and at 230K, then on heading 223°. Expect assigned instrument approach for Rwy 17L/R or RADAR vectors to final approach course.
LOST COMMUNICATIONS
At WINRZ, proceed inbound via Rwy 17R ILS approach. If unable, direct to FMG VORTAC and hold.

(WLKRR.WLKRR1) 24305

WLKRR ONE ARRIVAL (RNAV)

AL-297 (FAA)

OGDEN-HINCKLEY (OGD)
OGDEN, UTAH

SW-4, 07 AUG 2025 to 02 OCT 2025

WLKRR ONE ARRIVAL (RNAV)

(WLKRR.WLKRR1) 31OCT24

OGDEN, UTAH
OGDEN-HINCKLEY (OGD)

LAS VEGAS APP CON
119.4 360.85
ATIS
118.05
NORTH LAS VEGAS TOWER ★
125.7 360.75
TOADD
SSKEE
15000
*11400
251°
(124)
15000
*9600
271°
(112)
N
BOEGY
15000 250K
269°
(18)
WYLND
266°
(21)
LNDIN
9000
Ldg KVGT
270°
ARRIVAL ROUTE DESCRIPTION
SSKEE TRANSITION (SSKEE.WYLND1)
TOADD TRANSITION (TOADD.WYLND1)
From BOEGY on track 269° to WYLND, then on track 266° to cross LNDIN at 9000, then on track 270°. Expect RADAR vectors to final approach course.
NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: For non-GPS equipped aircraft, BLD, DRK, EED, FLG, GCN, IGM, PGA, PGS, and TBC DMEs must be operational.
NOTE: Chart not to scale.

(YUTES.YUTES1) 25079

YUTES ONE ARRIVAL (RNAV)

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

ARRIVAL ROUTE DESCRIPTION

FLECC TRANSITION (FLECC.YUTES1)

LANDING RUNWAYS 16L/R, 17: From YUTES on track 087° to DUGGY, then on track 073° to cross JAXXX at or above 12000, then on track 027° to RIBSS, then on track 344° to cross LAWVA at 11000, then on track 347°. Expect RADAR vectors for the RNAV (RNP) Z RWY 16R approach or RADAR vectors to 16L/R, Rwy 17 final approach course.

LANDING RUNWAYS 34L/R, 35: From YUTES on track 067° to GOGGL, then on track 078° to cross BUSHH at or above 12000, then on track 127° to cross SURYP at 11000, then on track 164°. Expect RADAR vectors for the RNAV (RNP) Z RWY 34L approach or RADAR vectors to 34L/R, Rwy 35 final approach course.

LOST COMMUNICATIONS

LANDING NORTH: After SURYP proceed to CEEDR, then left turn to FFU and hold at 11000.

LANDING SOUTH: After LAWVA proceed to RROYY, then left turn to MOINT and hold at 12000.

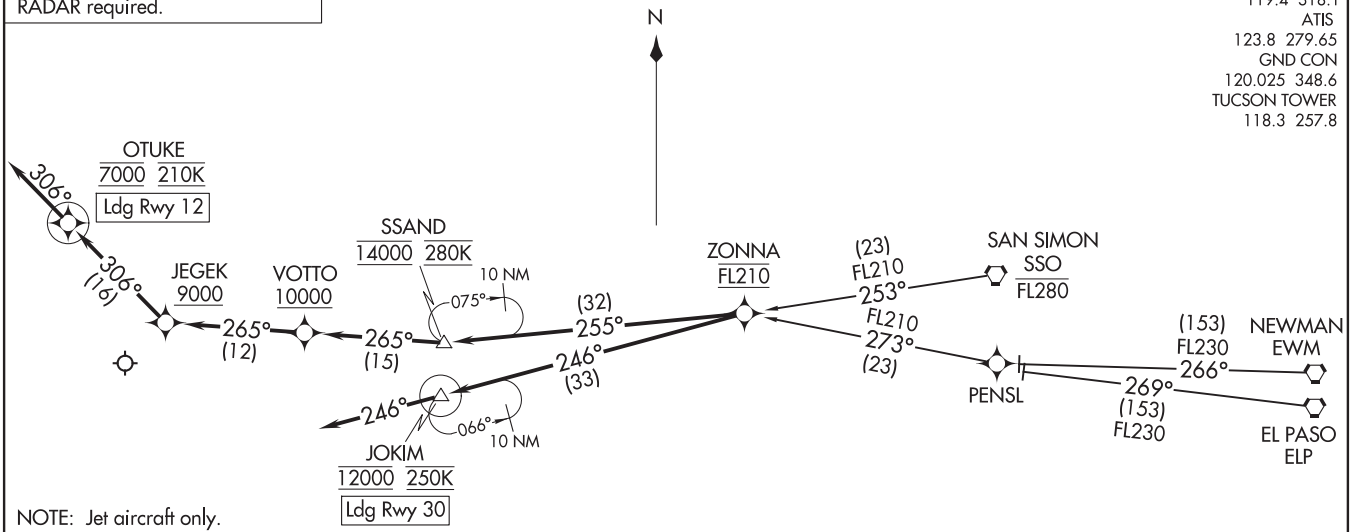
YUTES ONE ARRIVAL (RNAV)
(YUTES.YUTES1) 20FEB25
SALT LAKE CITY, UTAH
SALT LAKE CITY INTL (SLC)

ZONNA TWO ARRIVAL (RNAV)

(ZONNA.ZONNA2) 30NOV23

RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

TUCSON APP CON
119.4 318.1
ATIS
123.8 279.65
GND CON
120.025 348.6
TUCSON TOWER
118.3 257.8



NOTE: Jet aircraft only.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

EL PASO TRANSITION (ELP.ZONNA2)

NEWMAN TRANSITION (EWM.ZONNA2)

SAN SIMON TRANSITION (SSO.ZONNA2)

LANDING RUNWAY 12: From ZONNA on track 255° to cross SSAND at 14000 and at 280K, then on track 265° to cross VOTTO at or above 10000, then on track 265° to cross JEGEK at or above 9000, then on track 306° to cross OTUKE at 7000 and at 210K, then on track 306°. Expect RNAV (GPS) Z RWY 12 approach or RADAR vectors to final approach course.

LANDING RUNWAY 30: From ZONNA on track 246° to cross JOKIM at 12000 and at 250K, then on track 246°. Expect RNAV (GPS) Z RWY 30 approach or RADAR vectors to final approach course.

TUCSON, ARIZONA
TUCSON INTL (TUS)

Z79

(ZONNA.ZONNA2) 23334

AL-430 (FAA)

ZONNA TWO ARRIVAL (RNAV)
TUCSON INTL (TUS)
TUCSON, ARIZONA

INTENTIONALLY

LEFT

BLANK

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS CH **90143** **W04A**	APP CRS **036°**	Rwy Idg **7300** TDZE **4536** Apt Elev **4536**

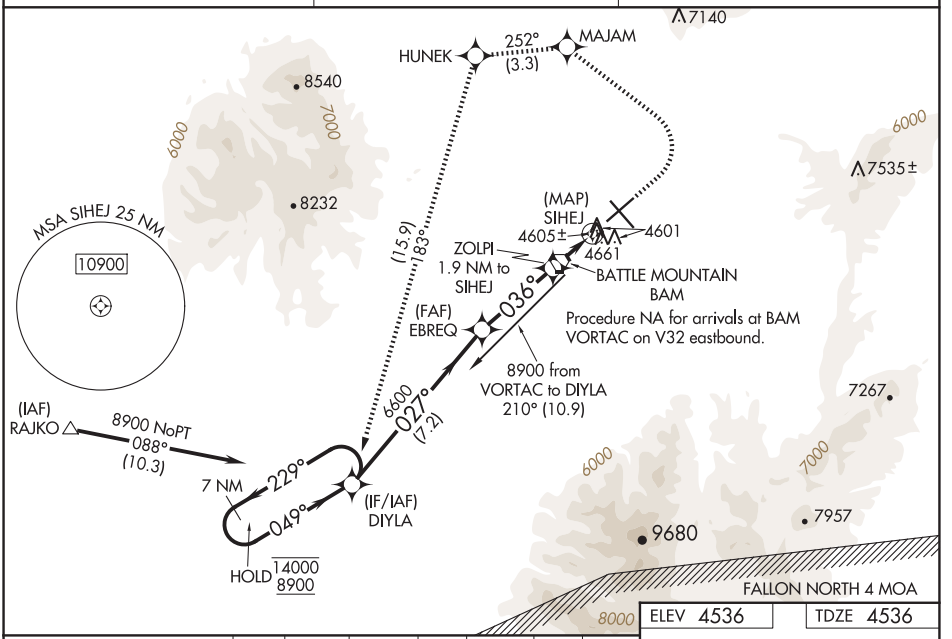
RNAV (GPS) RWY 4

BATTLE MOUNTAIN (BAM)

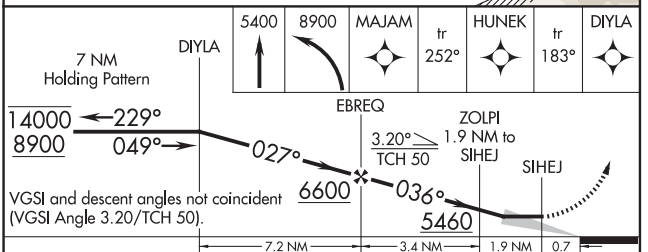
RNP APCH - GPS.

MISSED APPROACH: (Do not exceed 175K until DIYLA) Climb to 5400 then climbing left turn to 8900 direct MAJAM and on track 252° to HUNEK and on track 183° direct DIYLA and hold.
*Missed approach requires minimum climb of 222 feet per NM to 6480; if unable to meet climb gradient, see LP minimums.
#Missed approach requires minimum climb of 218 feet per NM to 7520; if unable to meet climb gradient, see LNAV minimums.

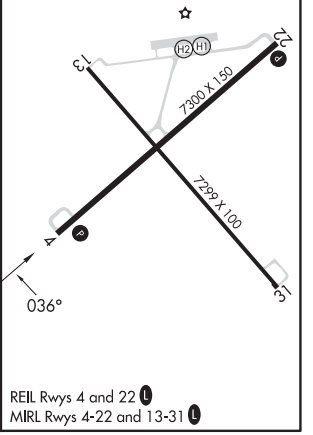
AWOS-3	SALT LAKE CITY CENTER	UNICOM
119.45	**132.25 338.35**	**122.8** (CTAF) L



ELEV 4536	TDZE 4536



CATEGORY	A	B	C	D
LP MDA*	4860-1 324 (400-1)			NA
LNAV MDA#	5020-1 484 (500-1)		5020-1⅜ 484 (500-1⅜)	NA
LP MDA	5240-1 704 (800-1)		5240-2 704 (800-2)	NA
LNAV MDA	5460-1¼ 924 (1000-1¼)		5460-2½ 924 (1000-2½)	NA
C CIRCLING	5460-1¼ 924 (1000-1¼)		5460-2¾ 924 (1000-2¾)	NA



REIL Rwys 4 and 22 L
MIRL Rwys 4-22 and 13-31 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

BATTLE MOUNTAIN, NEVADA | AL-534 (FAA) | 25107

WAAS CH 82741 W22A	APP CRS 216°	Rwy Idg 7300 / TDZE 4533 / Apt Elev 4536

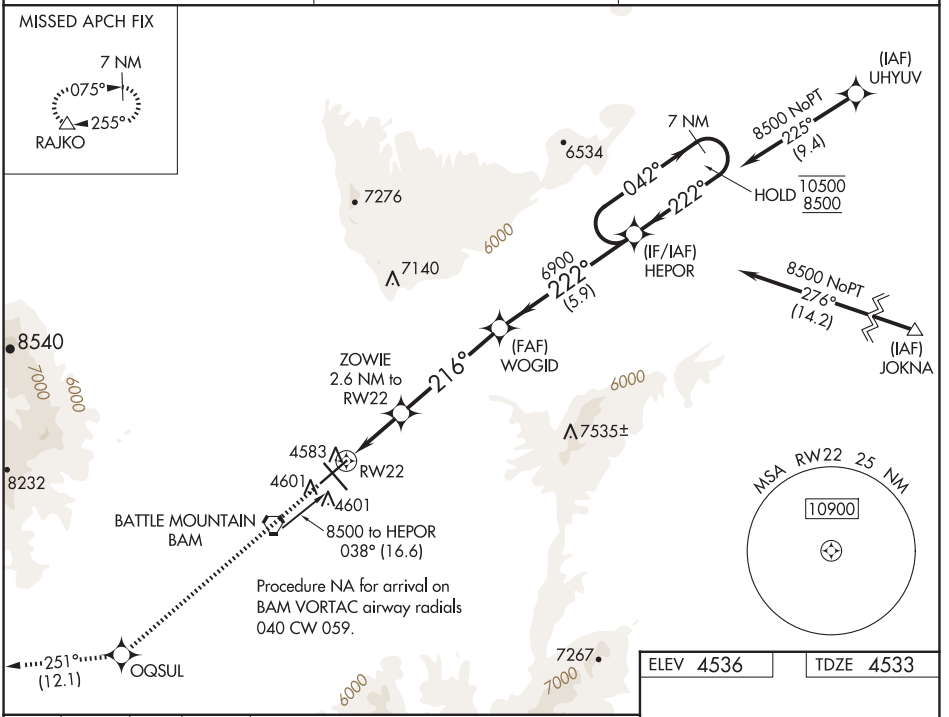
RNAV (GPS) RWY 22
BATTLE MOUNTAIN (BAM)

RNP APCH.

Baro-VNAV NA.

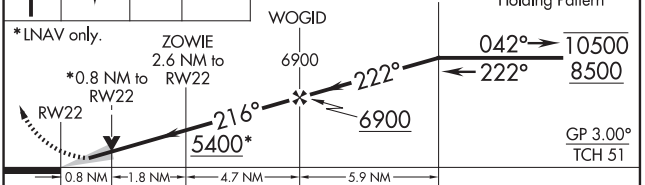
MISSED APPROACH: Climb to 11900 direct OQSUL and track 251° to RAJKO and hold, continue climb-in-hold to 11900.

AWOS-3	SALT LAKE CITY CENTER	UNICOM
119.45	132.25 338.35	122.8 (CTAF) L



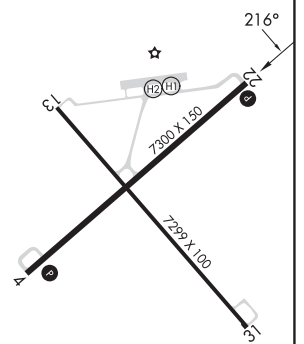
11900	OQSUL	tr 251°	RAJKO

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 51).



CATEGORY	A	B	C	D
LPV DA	4753-1 220 (300-1)			
LNAV/VNAV DA	4808-1 275 (300-1)			
LNAV MDA	4980-1 447 (500-1)		4980-1⅜ 447 (500-1⅜)	
C CIRCLING	4980-1 444 (500-1)	5000-1 464 (500-1)	5000-1½ 464 (500-1½)	5460-3 924 (1000-3)

ELEV 4536 | TDZE 4533



REIL Rwys 4 and 22 L
MIRL Rwys 4-22 and 13-31 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR RWY 4

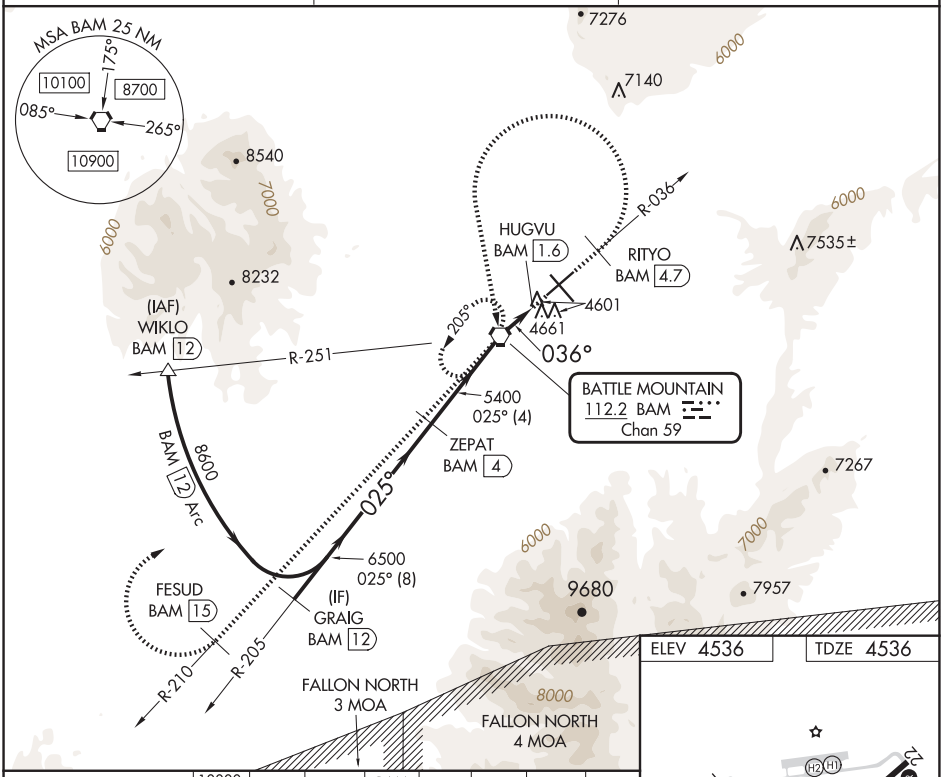
BATTLE MOUNTAIN (BAM)

VORTAC BAM	APP CRS	Rwy Idg	7300
112.2	036°	TDZE	4536
Chan 59		Apt Elev	4536

DME required.

MISSED APPROACH: Climb to 10000 on BAM VORTAC R-036 to RITYO/BAM VORTAC 4.7 DME and left turn direct BAM VORTAC and on BAM VORTAC R-210 to FESUD/BAM 15 DME and right turn direct BAM VORTAC and hold.

AWOS-3	SALT LAKE CITY CENTER	UNICOM
119.45	132.25 338.35	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-4	4920-1	384 (400-1)	4920-1⅛ 384 (400-1⅛)	NA
C CIRCLING	4980-1 444 (500-1)	5000-1 464 (500-1)	5000-1½ 464 (500-1½)	NA

REIL Rwys 4 and 22 L
MIRL Rwys 4-22 and 13-31 L

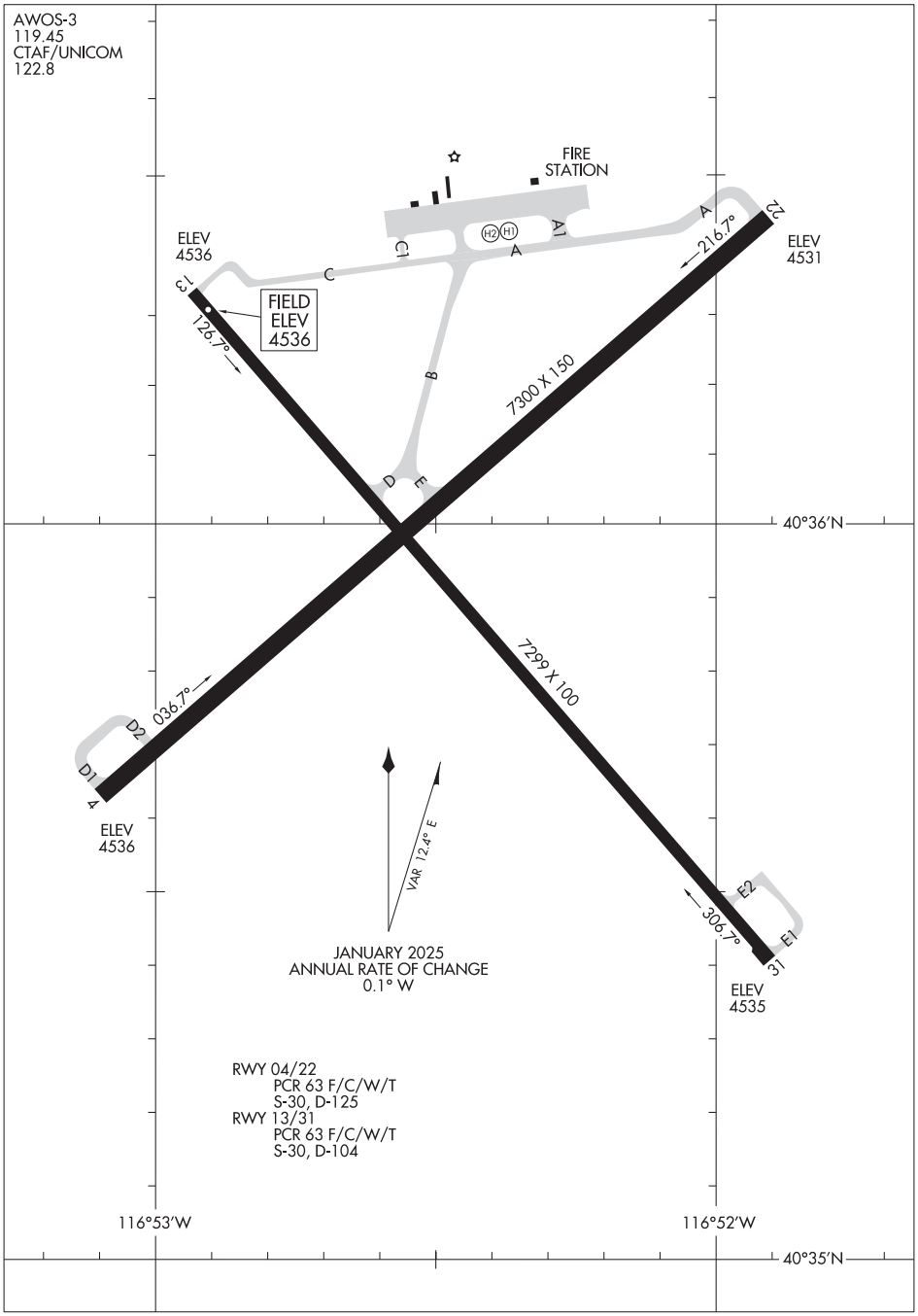
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

AIRPORT DIAGRAM

AL-534 (FAA)

BATTLE MOUNTAIN (BAM)
BATTLE MOUNTAIN, NEVADA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107

BATTLE MOUNTAIN, NEVADA
BATTLE MOUNTAIN (BAM)

APP CRS	Rwy Ldg	N/A
067°	TDZE	N/A
	Apt Elev	5863

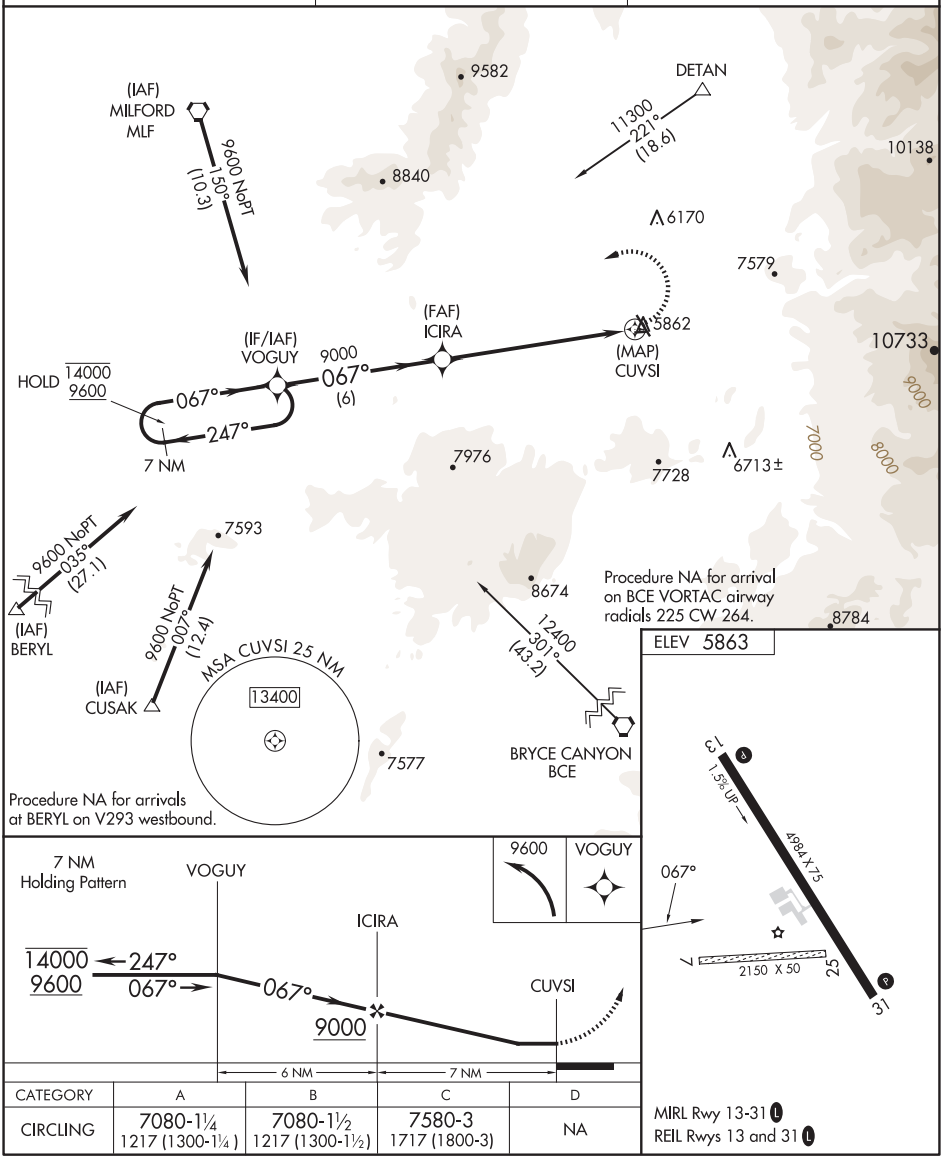
RNAV (GPS)-A
BEAVER MUNI (U52)

RNP APCH.

Circling Rwy 7, 25, 31 NA at night. Circling NA for Cat C southwest of Rwy 13-31.

MISSED APPROACH: Climbing left turn to 9600 direct VOGUY and hold.

AWOS-3PT	SALT LAKE CITY CENTER	CTAF
119.925	125.575 379.275	122.9 L



CATEGORY	A	B	C	D
CIRCLING	7080-1¼ 1217 (1300-1¼)	7080-1½ 1217 (1300-1½)	7580-3 1717 (1800-3)	NA

MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 35

BLANDING MUNI (BDG)

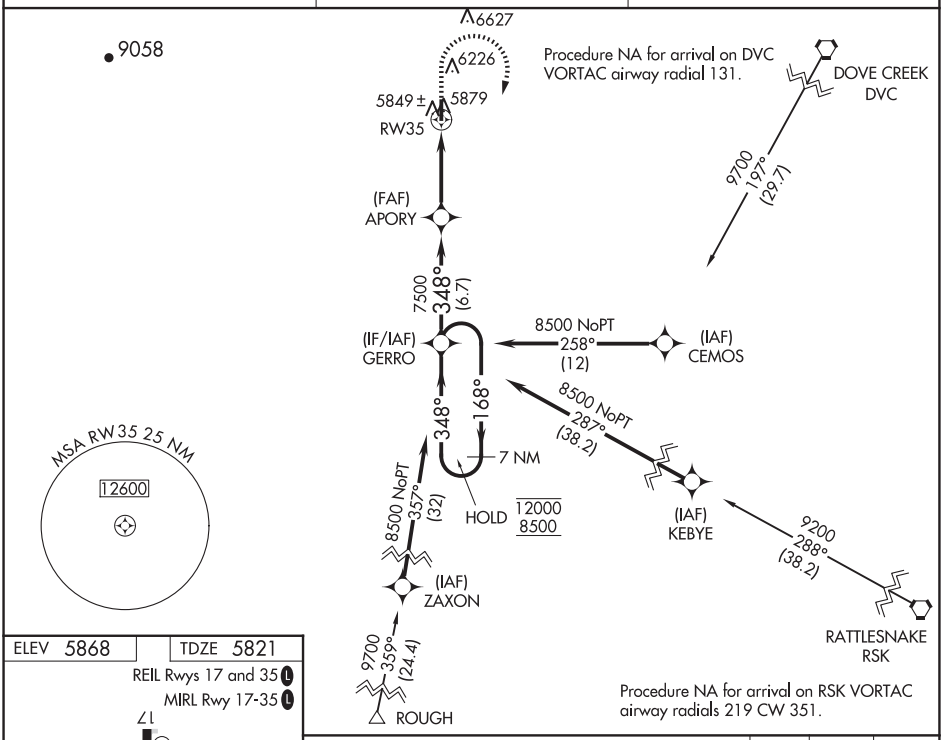
WAAS	APP CRS	Rwy Idg	5781
CH 63024	348°	TDZE	5821
W35A		Apt Elev	5868

RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -26°C or above 54°C.

MISSED APPROACH: (Do not exceed 165K until GERRO) Climb to 6300 then climbing right turn to 8500 direct GERRO and hold.

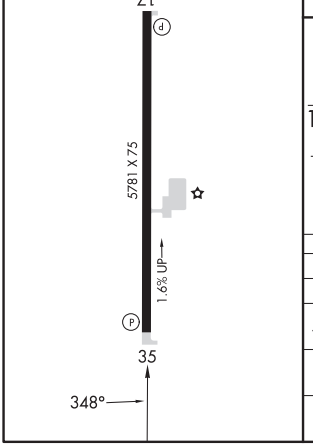
AWOS-3PT	DENVER CENTER	UNICOM
127.75	127.55 354.05	122.8 (CTAF) L

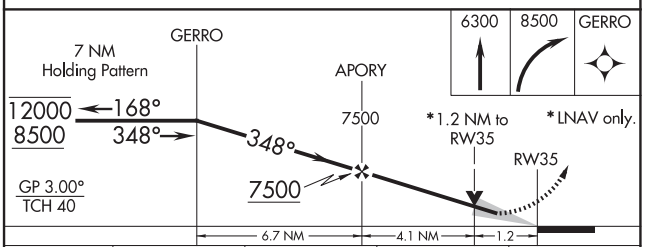


ELEV 5868 TDZE 5821

REIL Rwys 17 and 35 L

MIRL Rwy 17-35 L





CATEGORY	A	B	C	D
LPV DA	6071-1	250 (300-1)		NA
LNAV/VNAV DA	6077-1	256 (300-1)		NA
LNAV MDA	6200-1	379 (400-1)	6200-1¼ 379 (400-1¼)	NA
CIRCLING	6440-1 572 (600-1)	6540-1 672 (700-1)	6760-2¾ 892 (900-2¾)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 27

BOULDER CITY MUNI (BVU)

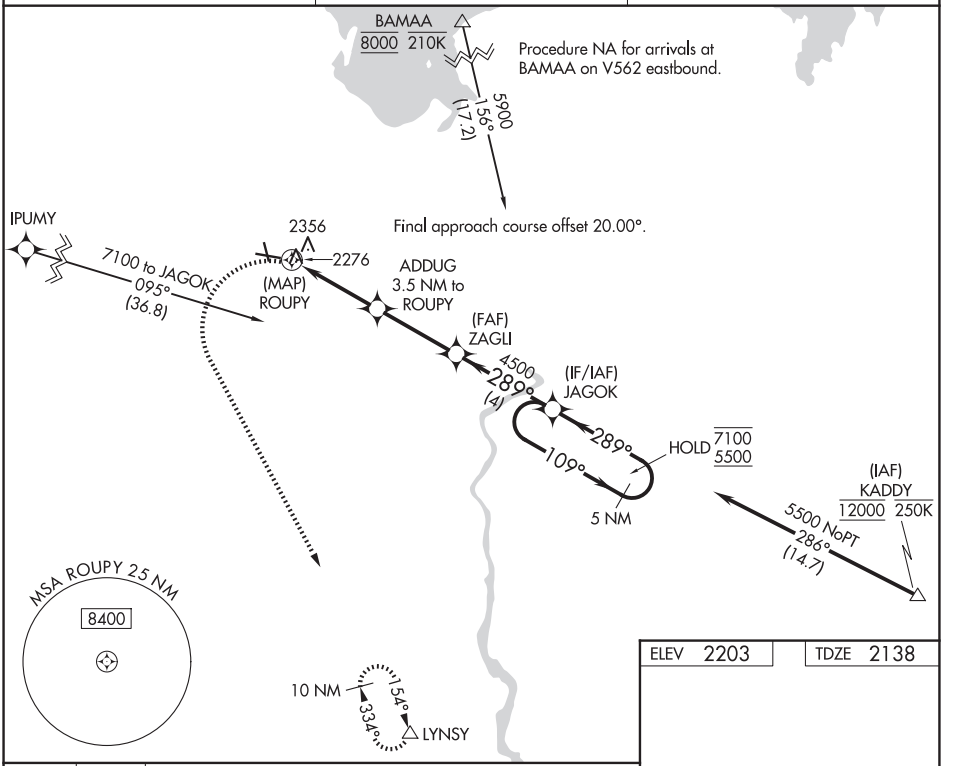
WAAS	APP CRS	Rwy Ldg	4803
CH 77643	289°	TDZE	2138
W27A		Apt Elev	2203

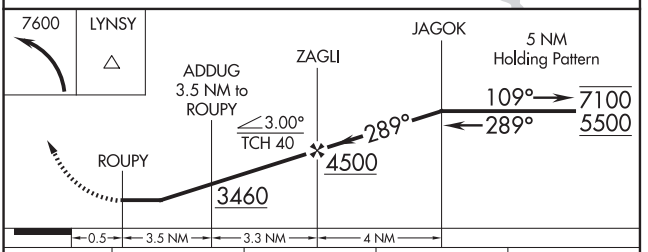
RNP APCH.

Procedure NA at night.
Rwy 27 helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing left turn to 7600 direct LYNSY and hold, continue climb-in-hold to 7600.

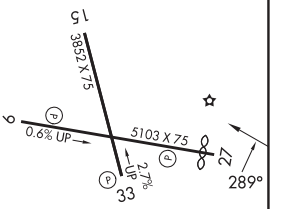
AWOS-3	LAS VEGAS APP CON	UNICOM
118.475	125.475 307.25	122.7 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	2640-1 502 (500-1)		2640-1⅜ 502 (500-1⅜)	NA
LNAV MDA	2940-1 802 (800-1)	2940-1¼ 802 (800-1¼)	2940-2½ 802 (800-2½)	NA
CIRCLING	2980-1¼ 777 (800-1¼)	3360-1½ 1157 (1200-1½)	4000-3 1797 (1800-3)	NA

ELEV 2203 TDZE 2138



MIRL Rwys 9-27 and 15-33 L
REIL Rwys 9, 15, 27 and 33

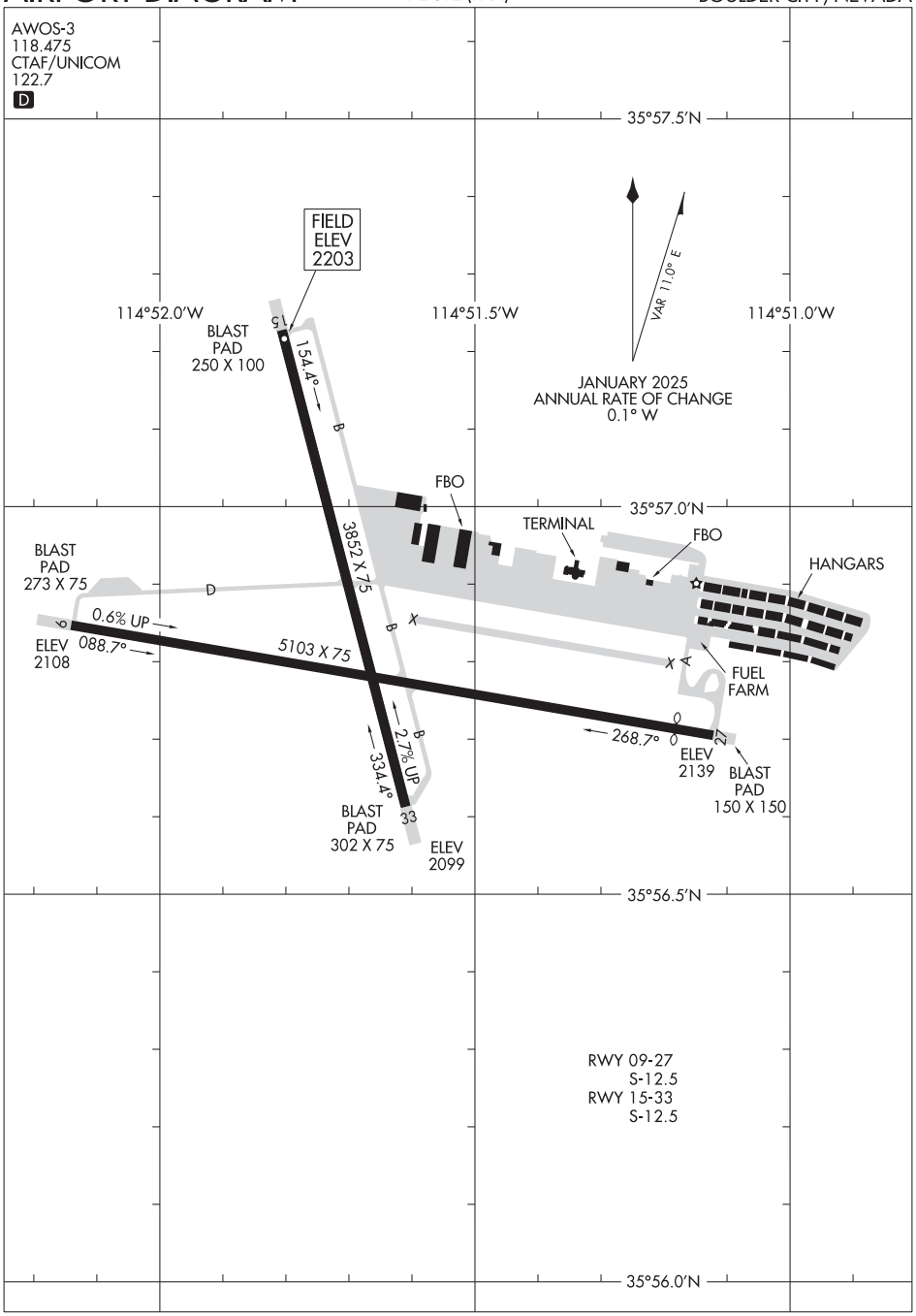
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25219

AIRPORT DIAGRAM

AL-612 (FAA)

BOULDER CITY MUNI (BVU)
BOULDER CITY, NEVADA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25219
BOULDER CITY, NEVADA
BOULDER CITY MUNI (BVU)

RNAV (GPS) RWY 35

BRIGHAM CITY RGNL (BMC)

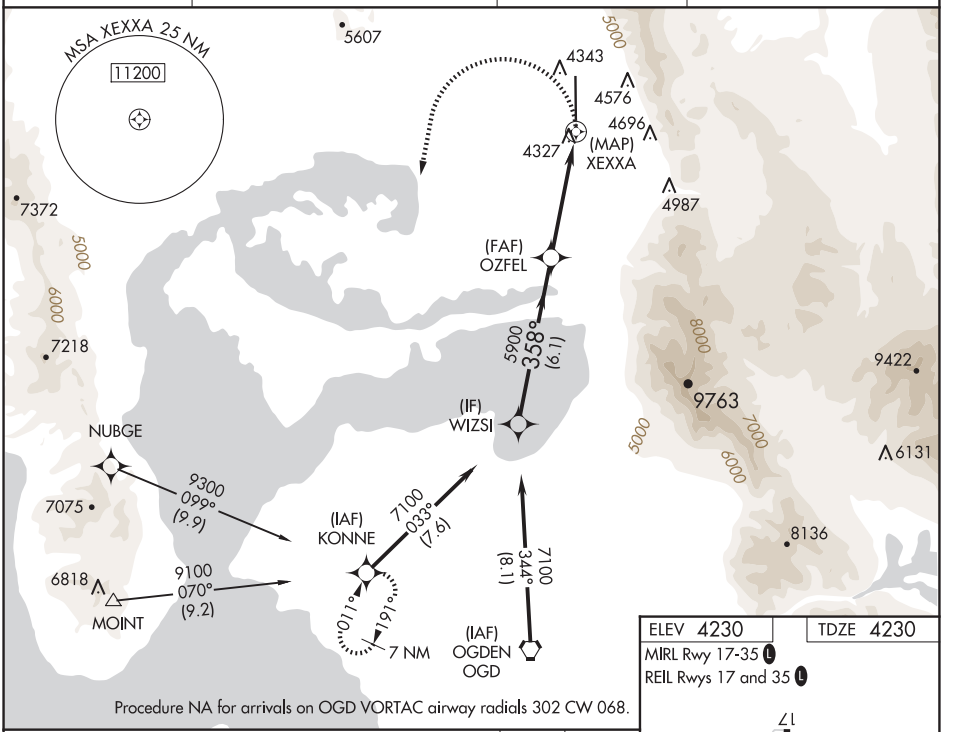
WAAS	APP CRS	Rwy Ldg	8900
CH 50426	358°	TDZE	4230
W35A		Apt Elev	4230

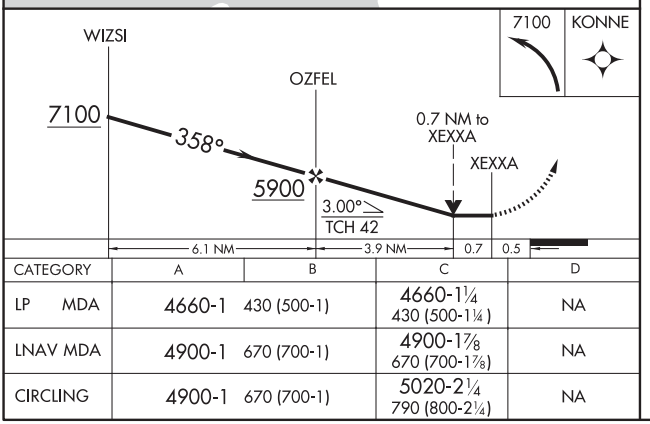
When local altimeter setting not received, use Ogden altimeter setting and increase all MDA 100 feet, increase LP Cat C visibility ¼ mile, increase LNAV Cat B visibility ¼ mile, and Cat C visibility ⅝ mile, increase Circling Cat B visibility ¼ mile, and Cat C visibility ½ mile. DME/DME RNP-0.3 NA. VDP NA with Ogden altimeter setting. Rwy 35 helicopter visibility reduction below ¾ SM NA.

NA

MISSED APPROACH: Climbing left turn to 7100 direct KONNE and hold.

AWOS-3	SALT LAKE CITY APP CON	CLNC DEL	UNICOM
135.075	121.1	126.0	123.05 (CTAF) L



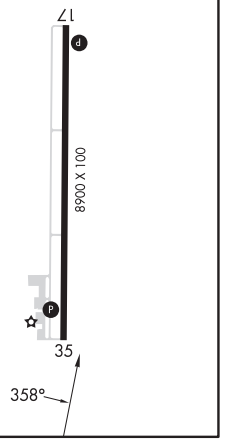


CATEGORY	A	B	C	D
LP MDA	4660-1	430 (500-1)	4660-1¼ 430 (500-1¼)	NA
LNAV MDA	4900-1	670 (700-1)	4900-1⅞ 670 (700-1⅞)	NA
CIRCLING	4900-1	670 (700-1)	5020-2¼ 790 (800-2¼)	NA

ELEV 4230 TDZE 4230

MIRL Rwy 17-35 L

REIL Rwys 17 and 35 L



SW-4, 07 AUG 2025 to 02 OCT 2025

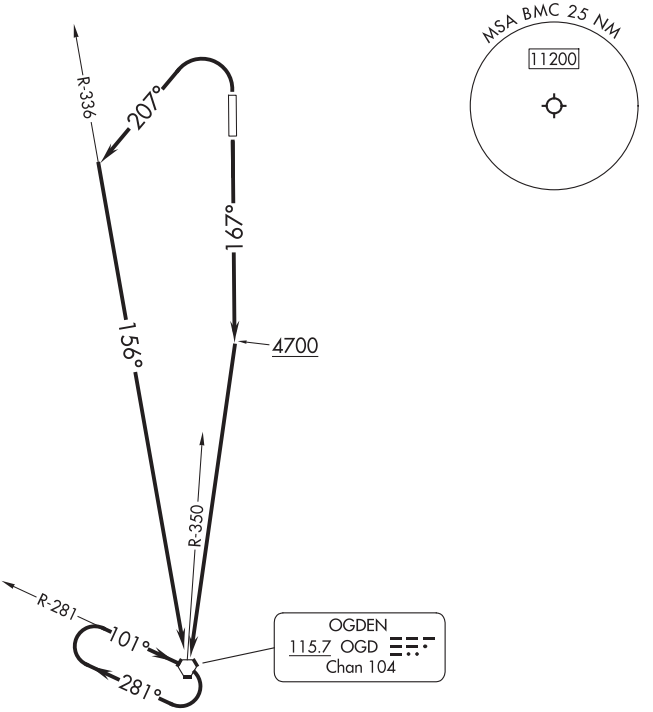
(OGD1.OGD) 23334

OGDEN ONE DEPARTURE (OBSTACLE)

AL-5477 (FAA)

BRIGHAM CITY RGNL (BMC)
BRIGHAM CITY, UTAH

SALT LAKE CITY DEP CON
121.1



TAKEOFF MINIMUMS

Rwy 17: Standard.

Rwy 35: Standard with minimum climb of 240′ per NM to 6000 or 6200-5 for VCOA.

TAKEOFF OBSTACLE NOTES

Rwy 17: Pole, vehicle on road beginning 265′ from DER, 559′ right of centerline, up to 33′ AGL/4259′ MSL.
Pole 1063′ from DER, 720′ right of centerline, 36′ AGL/4260′ MSL.
Poles beginning 1494′ from DER, 588′ right of centerline, up to 50′ AGL/4274′ MSL.
Pole 2216′ from DER, 1084′ right of centerline, 82′ AGL/4305′ MSL.

Rwy 35: Pole 9′ from DER, 29′ right of centerline, 6′ AGL/4231′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on heading 167° to 4700, then direct OGD VORTAC, continue climb in OGD VORTAC holding pattern to at or above MCA/MEA for route of flight.

TAKEOFF RUNWAY 35: Climbing left turn on heading 207° and OGD R-336 to OGD VORTAC, continue climb in OGD VORTAC holding pattern to at or above MCA/MEA for route of flight.

VCOA ALL RUNWAYS: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Brigham City Rgnl Airport southbound at or above 10300, then on OGD R-350 to OGD VORTAC before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	7395
033°	TDZE	7590
	Apt Elev	7590

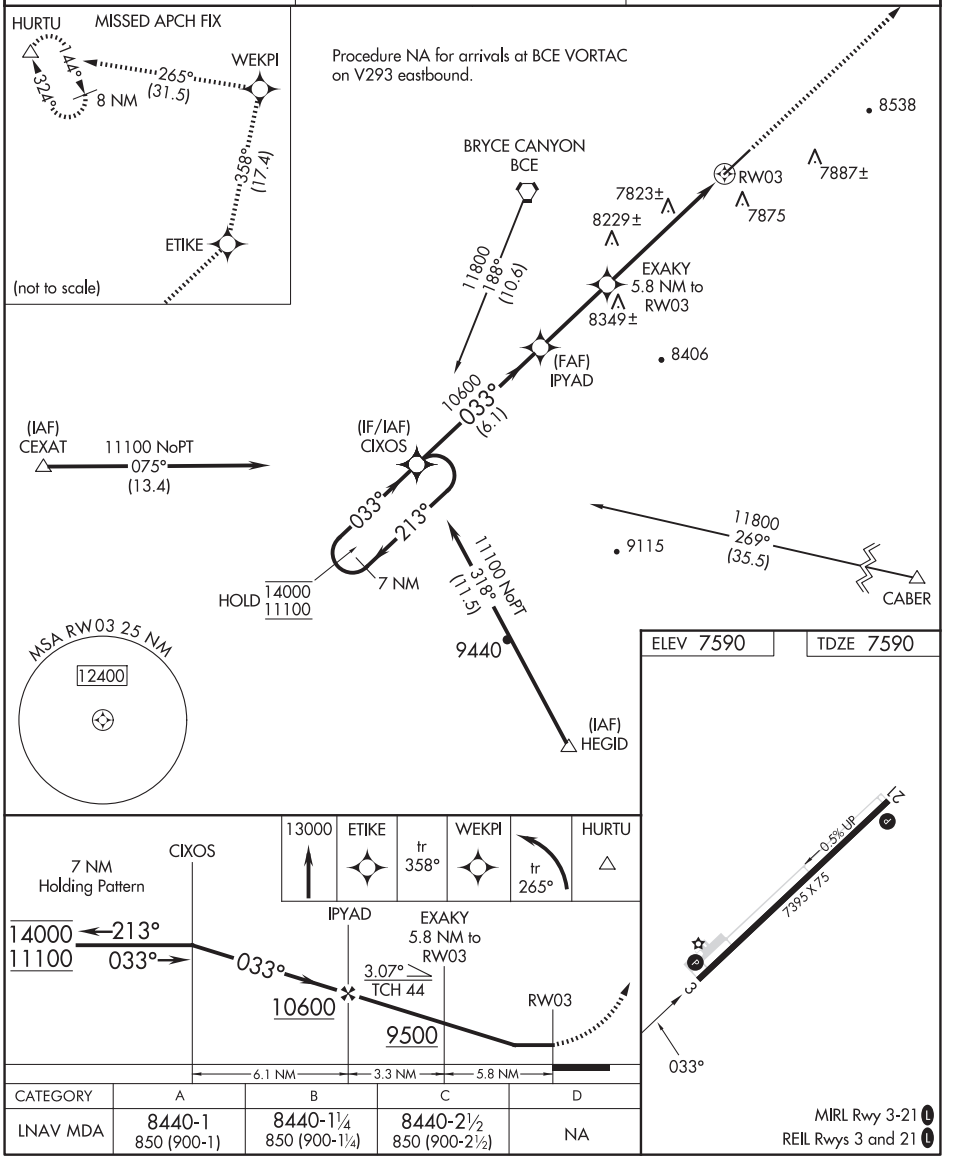
RNAV (GPS) RWY 3
BRYCE CANYON (BCE)

RNP APCH.

Rwy 3 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, procedure NA. Procedure NA at night.

MISSED APPROACH: Climb to 13000 direct ETIKE and on track 358° to WEKPI and left turn on track 265° to HURTU and hold.

ASOS	SALT LAKE CITY CENTER	UNICOM
135.475	133.6 269.25	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	8440-1 850 (900-1)	8440-1¼ 850 (900-1¼)	8440-2½ 850 (900-2½)	NA

MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 21
BRYCE CANYON (BCE)

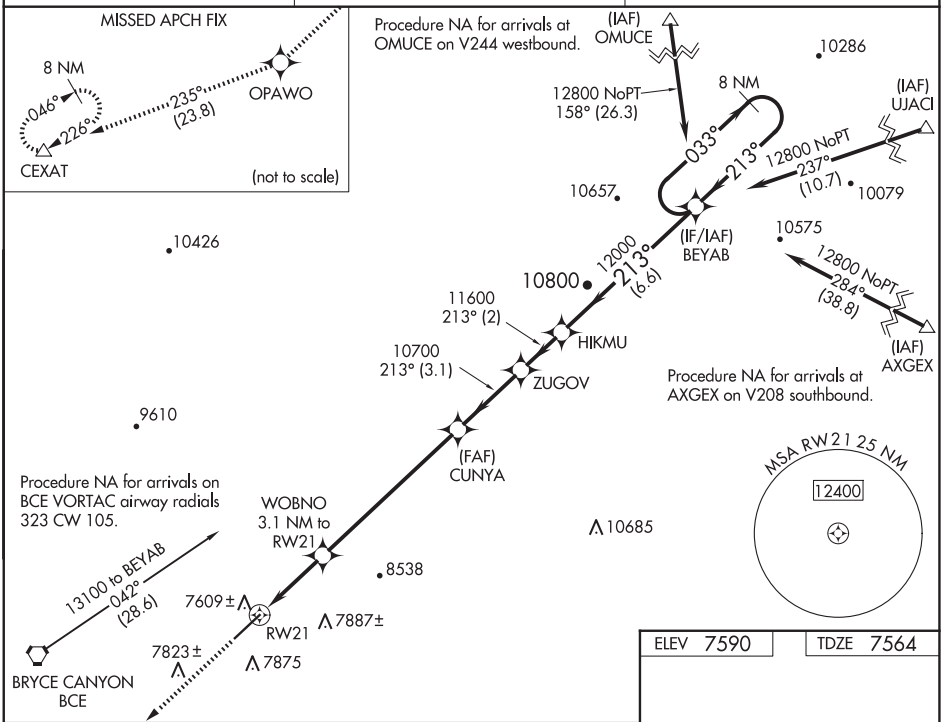
WAAS	APP CRS	Rwy Idg	7395
CH 99516	213°	TDZE	7564
W21A		Apt Elev	7590

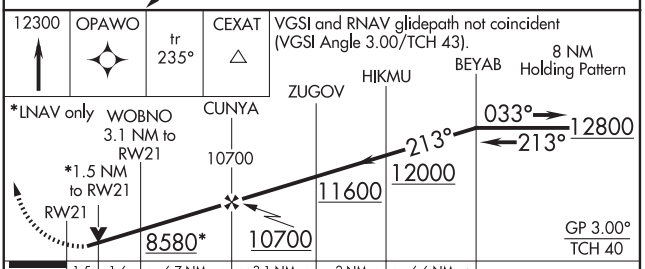
RNP APCH.

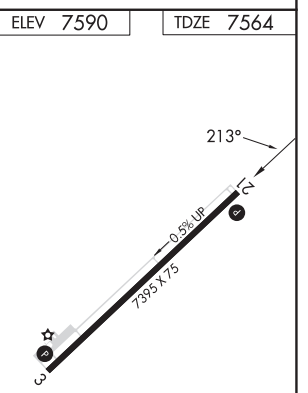
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -30°C or above 54°C. When local altimeter setting not received, procedure NA. Rwy 21 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 12300 direct OPAWO and on track 235° to CEXAT and hold.

ASOS	SALT LAKE CITY CENTER	UNICOM
135.475	133.6 269.25	122.8 (CTAF) L







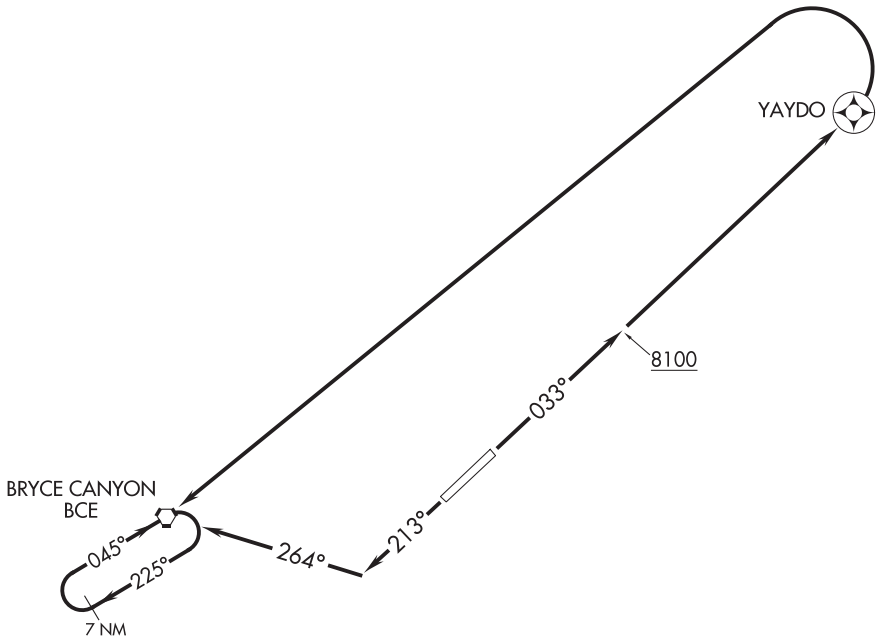
CATEGORY	A	B	C	D
LPV DA	7889-1⅛ 325 (300-1⅛)			NA
LNAV/VNAV DA	8016-1½ 452 (500-1½)			NA
LNAV MDA	8040-1 476 (500-1)		8040-1⅜ 476 (500-1⅜)	NA

MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY CENTER
133.6 269.25



NOTE: GPS required.

NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 285′ per NM to 12100.
Rwy 21: Standard with minimum climb of 310′ per NM to 10500.

TAKEOFF OBSTACLE NOTES

Rwy 3: Vehicles on road beginning 135′ from DER, 374′ left of centerline, 15′ AGL/7588′ MSL.
Fence 38′ from DER, 377′ right of centerline, 8′ AGL/7558′ MSL.
Rwy 21: Fence 23′ from DER, 375′ left of centerline, 4′ AGL/7593′ MSL.
Fence 296′ from DER, 530′ right of centerline, 4′ AGL/7601′ MSL.
Vehicles on road beginning 49′ from DER, 28′ right of centerline, 15′ AGL/7623′ MSL.
Multiple poles beginning 867′ from DER, 706′ right of centerline, 39′ AGL/7638′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 033° to 8100, then climb to 13300 direct YAYDO and left turn direct BCE VORTAC. . . .

TAKEOFF RUNWAY 21: Climb heading 213° to intercept course 264° to BCE VORTAC and hold SW, RT, 045° inbound; continue climb-in-hold to MEA for route of flight. . . .

. . . .before proceeding on course.

BULLHEAD CITY, ARIZONA | AL-6967 (FAA) | 25051

WAAS	APP CRS	Rwy Idg	8500
CH 82624	164°	TDZE	646
W16A		Apt Elev	707

RNAV (GPS) RWY 16

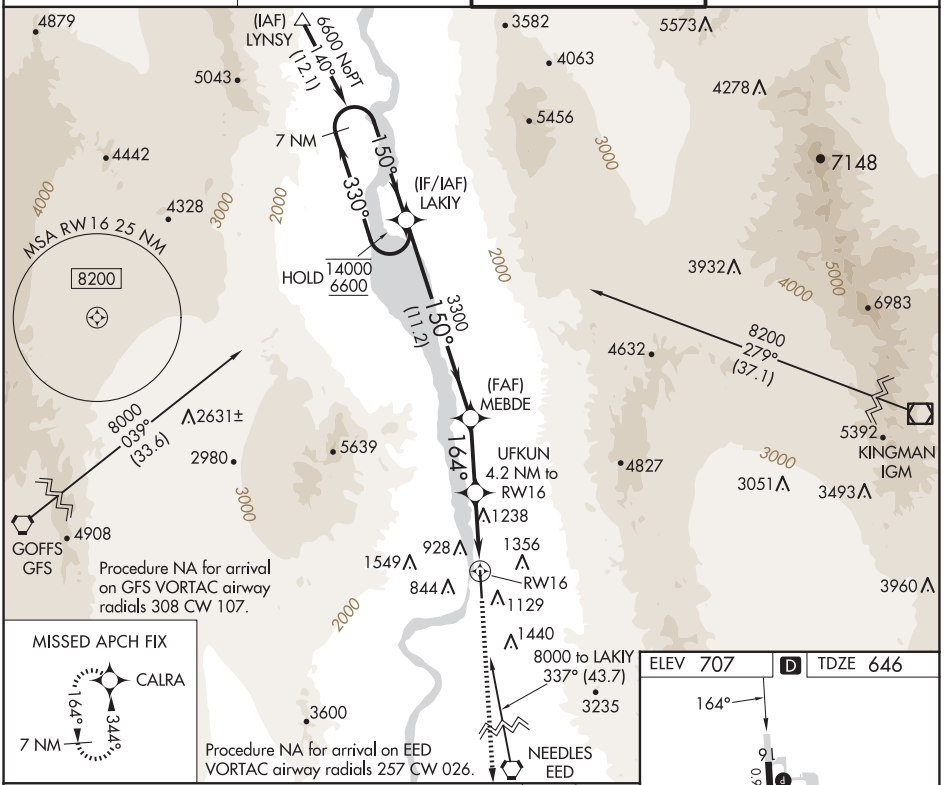
LAUGHLIN/BULLHEAD INTL (IFP)

RNP APCH - GPS.

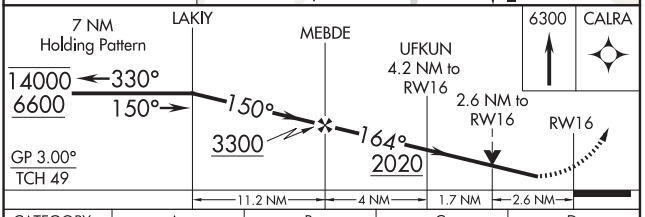
Procedure NA at night. Rwy 16 helicopter visibility reduction below ¾ SM NA. Baro-VNAV NA.

MISSED APPROACH: Climb to 6300 direct CALRA and hold, continue climb-in-hold to 6300.

ATIS	LOS ANGELES CENTER	BULLHEAD TOWER ★	GND CON
119.825	134.65 360.65	123.9 (CTAF) L	118.25

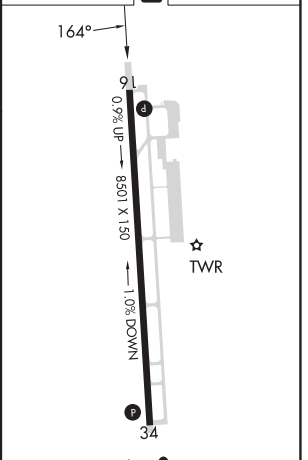


MISSED APCH FIX



CATEGORY	A	B	C	D
LPV DA	1048-1⅛ 402 (400-1⅛)			
LNAV/VNAV DA	1500-2½ 854 (800-2½)			
LNAV MDA	1500-1 854 (800-1)	1500-1¼ 854 (800-1¼)	1500-2½ 854 (800-2½)	
CIRCLING	1500-1 793 (800-1)	1560-1¼ 853 (900-1¼)	1800-3 1093 (1100-3)	2340-3 1633 (1700-3)

ELEV 707 D TDZE 646



REIL Rwys 16 and 34 L
MIRL Rwy 16-34 L

BULLHEAD CITY, ARIZONA
Amdt 3 23FEB23

35°09′N-114°34′W

LAUGHLIN/BULLHEAD INTL (IFP)
RNAV (GPS) RWY 16

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS		
CH **82602**	**344°**	Rwy Idg	**8500**
W34A		TDZE	**707**
		Apt Elev	**707**

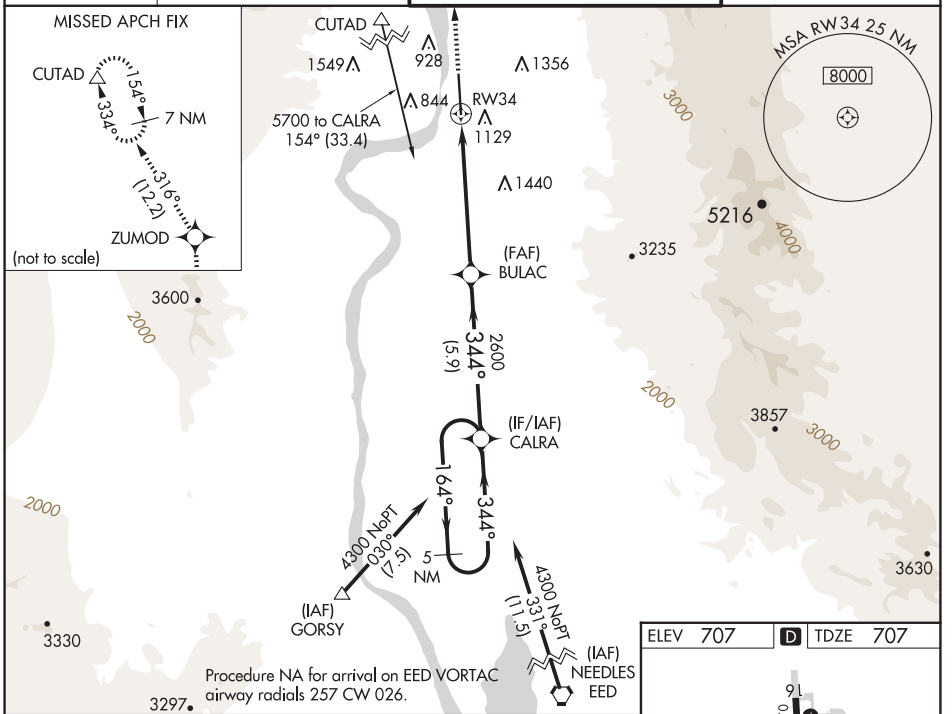
RNAV (GPS) RWY 34

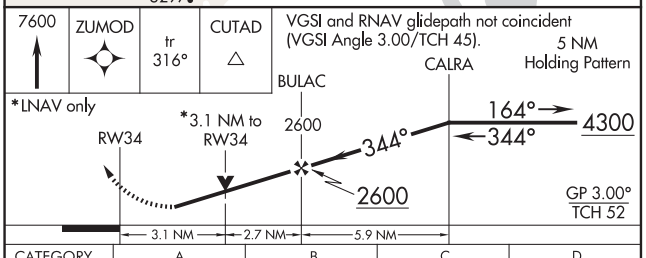
LAUGHLIN/BULLHEAD INTL (IFP)

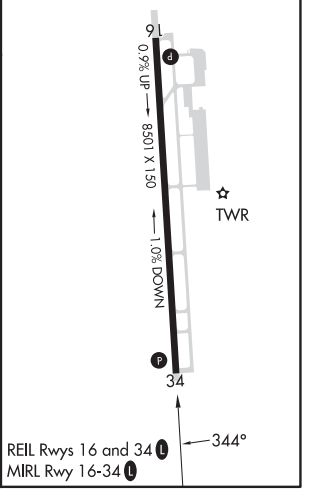
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).
Rwy 34 helicopter visibility reduction below ¾ SM NA.
DME/DME RNP-0.3 NA.
Circling Rwy 16 NA at night.

MISSED APPROACH: Climb to 7600 direct ZUMOD and on track 316° to CUTAD and hold, continue climb-in-hold to 7600.

ATIS	LOS ANGELES CENTER	BULLHEAD TOWER★	GND CON
119.825	**134.65 360.65**	**123.9** (CTAF) L	**118.25**







CATEGORY	A	B	C	D
LPV DA	1352-2½ 645 (700-2½)			
LNAV/VNAV DA	1506-3 799 (800-3)			
LNAV MDA	1740-1¼ 1033 (1100-1¼)	1740-1½ 1033 (1100-1½)	1740-3 1033 (1100-3)	
C CIRCLING	1740-1¼ 1033 (1100-1¼)	1740-1½ 1033 (1100-1½)	1800-3 1093 (1100-3)	2340-3 1633 (1700-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR RWY 34

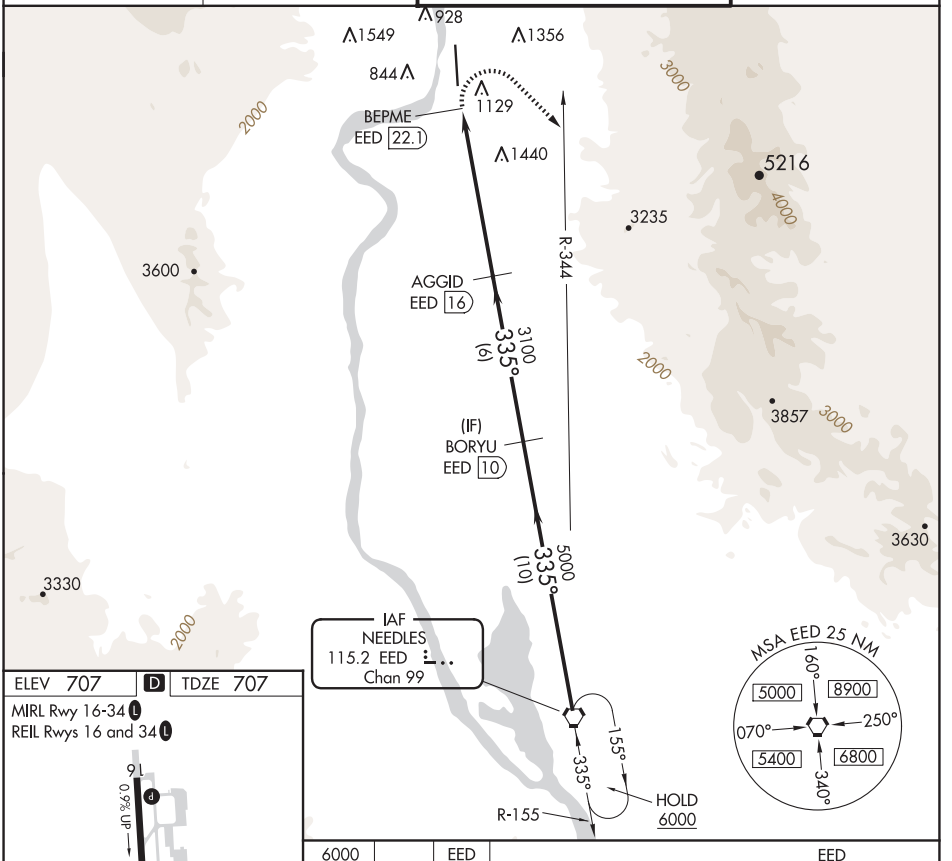
LAUGHLIN/BULLHEAD INTL (IFP)

VORTAC EED	APP CRS	Rwy Idg 8500
115.2	335°	TDZE 707
Chan 99		Apt Elev 707

T A Rwy 34 helicopter visibility reduction below ¾ SM NA. DME required. Circling Rwy 16 NA at night.

MISSED APPROACH: Climbing right turn to 6000 on heading 120° and EED VORTAC R-344 to EED VORTAC and hold.

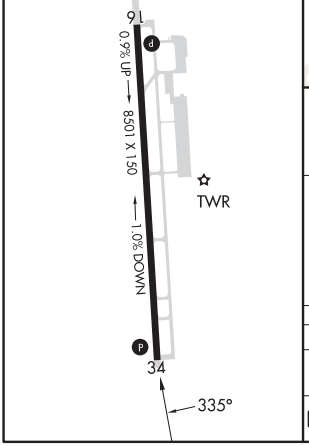
ATIS	LOS ANGELES CENTER	BULLHEAD TOWER★	GND CON
119.825	134.65 360.65	123.9 (CTAF) L	118.25

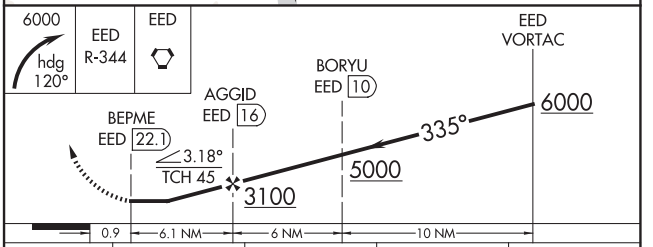


ELEV 707 D TDZE 707

MIRL Rwy 16-34 L

REIL Rwys 16 and 34 L

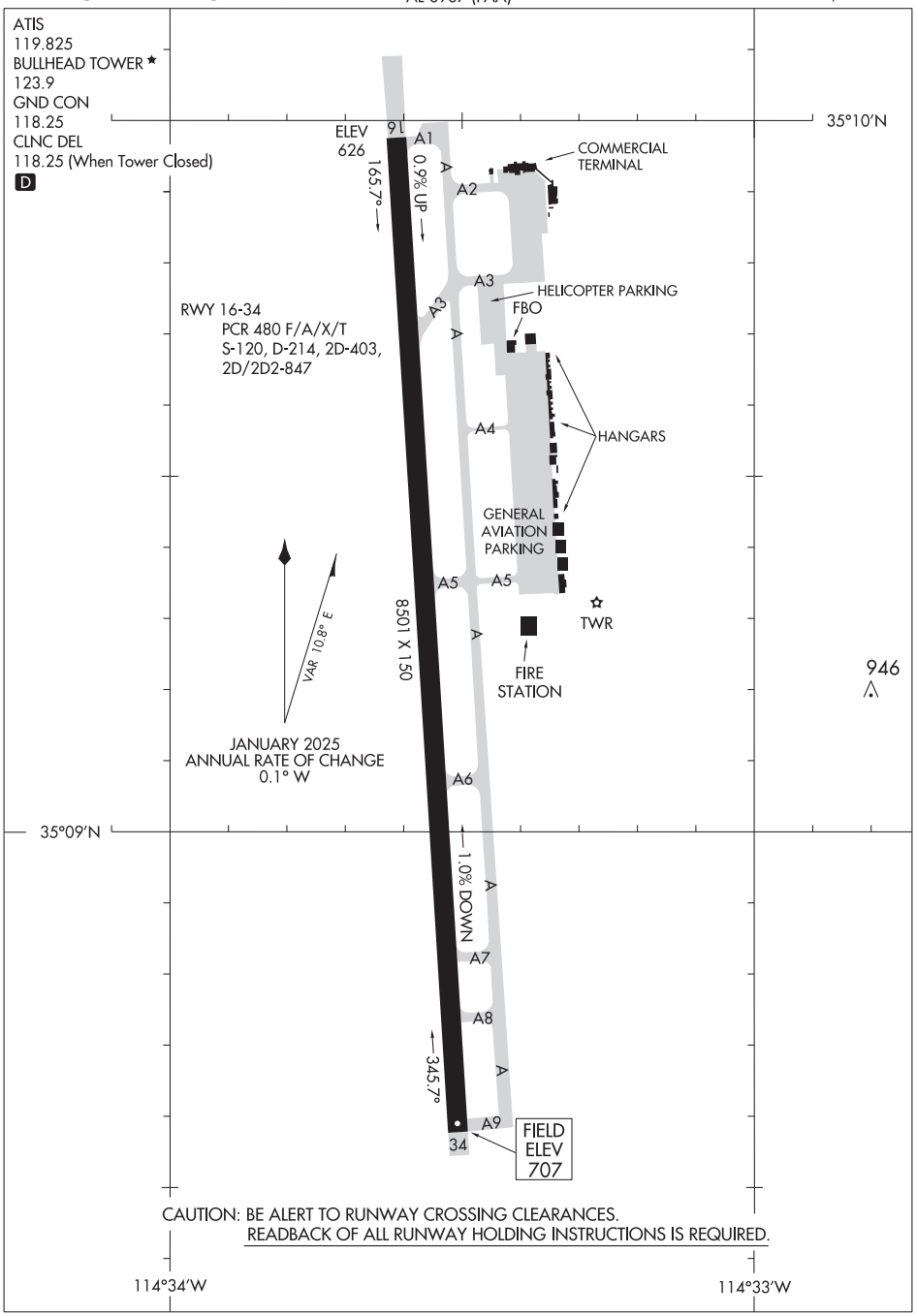




CATEGORY	A	B	C	D
S-34	2840-1¼ 2133 (2200-1¼)	2840-1½ 2133 (2200-1½)	2840-3	2133 (2200-3)
C CIRCLING	2840-1¼ 2133 (2200-1¼)	2840-1½ 2133 (2200-1½)	2840-3	2133 (2200-3)

SW-4, 07 AUG 2025 to 02 OCT 2025

AL-6967 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

CARSON CITY, NEVADA | AL-6515 (FAA) | 25163

RNAV (GPS) RWY 27

CARSON CITY (CXP)

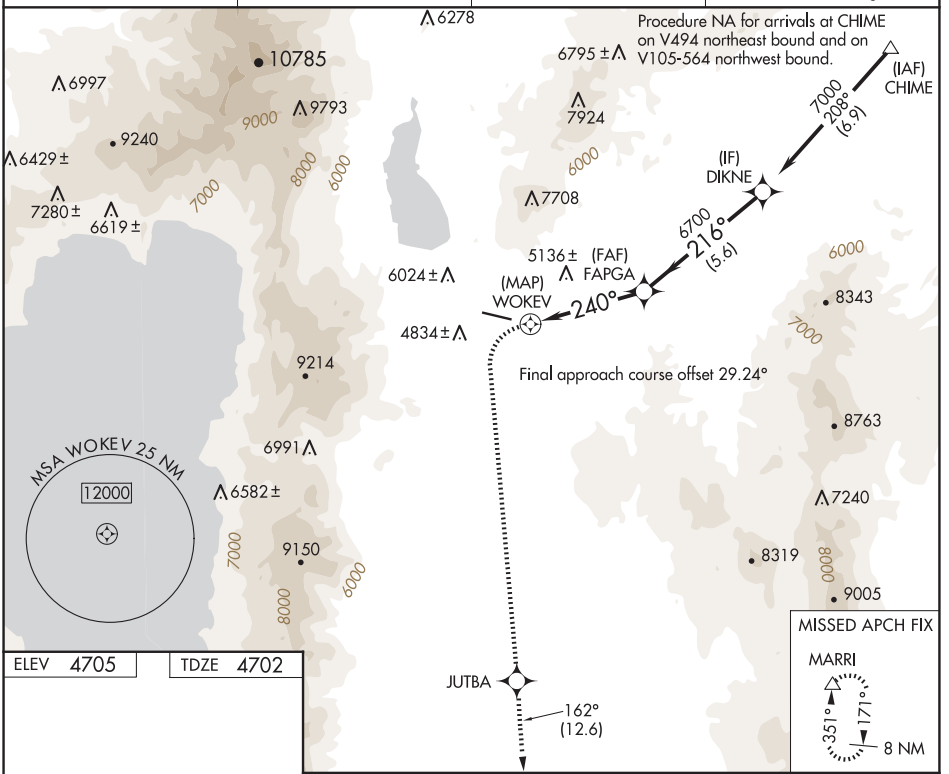
WAAS	APP CRS	Rwy Ldg	6101
CH 87031	240°	TDZE	4702
W27A		Apt Elev	4705

T NA -18°C

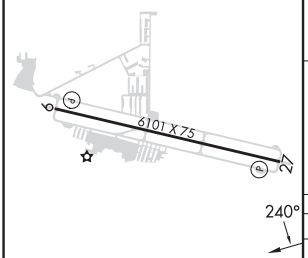
DME/DME RNP-0.3 NA. Procedure NA at night. When local altimeter setting not received use Reno/Tahoe altimeter setting and increase all MDA 540 feet. Helicopter visibility reduction below 1 SM not authorized. Circling NA north of Rwy 9-27.

MISSED APPROACH: Climbing left turn to 13400 direct JUTBA and on track 162° to MARRI and hold, continue climb-in-hold to 13400.

AWOS-3PT	NORCAL APP CON	CLNC DEL	UNICOM
119.925	119.2 279.55	133.25	123.0 (CTAF) L

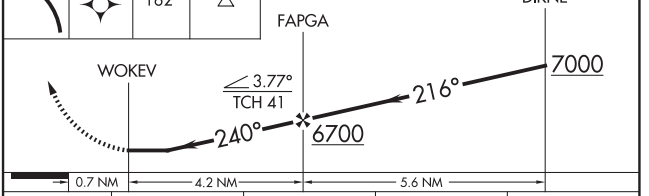


ELEV 4705 | TDZE 4702



13400	JUTBA	tr 162°	MARRI

VGSI and descent angles not coincident (VGSI Angle 3.77/TCH 41).



CATEGORY	A	B	C	D
LP MDA	5900-1¼ 1198 (1200-1¼)	5900-1½ 1198 (1200-1½)	NA	
LNAV MDA	6180-1¼ 1478 (1500-1¼)	6180-1½ 1478 (1500-1½)	NA	
C CIRCLING	6180-1¼ 1475 (1500-1¼)	6180-1½ 1475 (1500-1½)	NA	

MIRL Rwy 9-27 L
REIL Rwys 9 and 27 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS)-A
CARSON CITY (CXP)

APP CRS	Rwy Ldg	N/A
342°	TDZE	N/A
	Apt Elev	4705

RNP APCH.

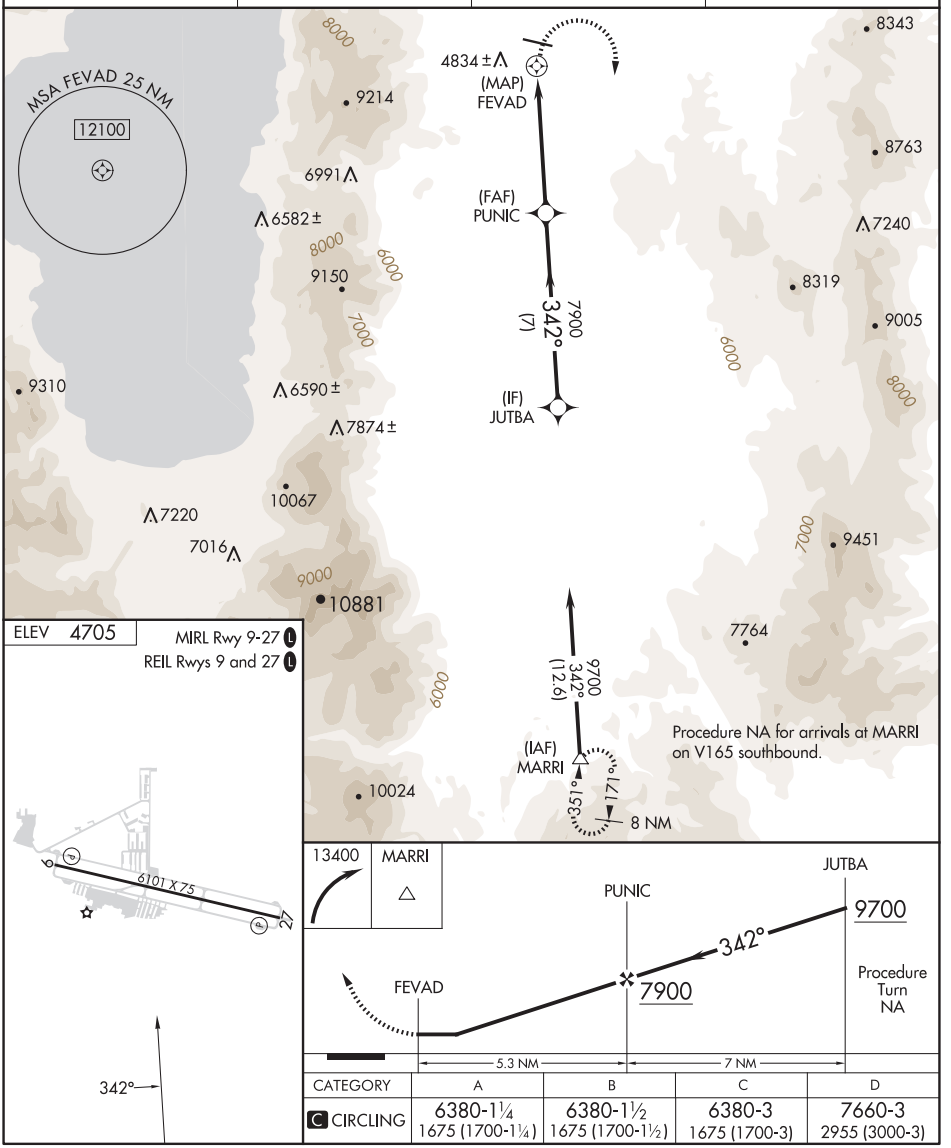
Procedure NA at night. When local altimeter setting not received, use Reno/Tahoe Intl altimeter setting and increase all MDA 540 feet. Circling NA north of Rwy 9-27.

NA

-18°C

MISSED APPROACH: Climbing right turn to 13400 direct MARRI and hold, continue climb-in-hold to 13400.

AWOS-3PT	NORCAL APP CON	CLNC DEL	UNICOM
119.925	119.2 279.55	133.25	123.0 (CTAF) L



ELEV 4705

MIRL Rwy 9-27 L

REIL Rwys 9 and 27 L

342°

CATEGORY	A	B	C	D
C CIRCLING	6380-1¼ 1675 (1700-1¼)	6380-1½ 1675 (1700-1½)	6380-3 1675 (1700-3)	7660-3 2955 (3000-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CARSON CITY, NEVADA | AL-6515 (FAA) | 25163

APP CRS	Rwy Ldg	N/A
232°	TDZE	N/A
	Apt Elev	4705

RNAV (GPS)-B
CARSON CITY (CXP)

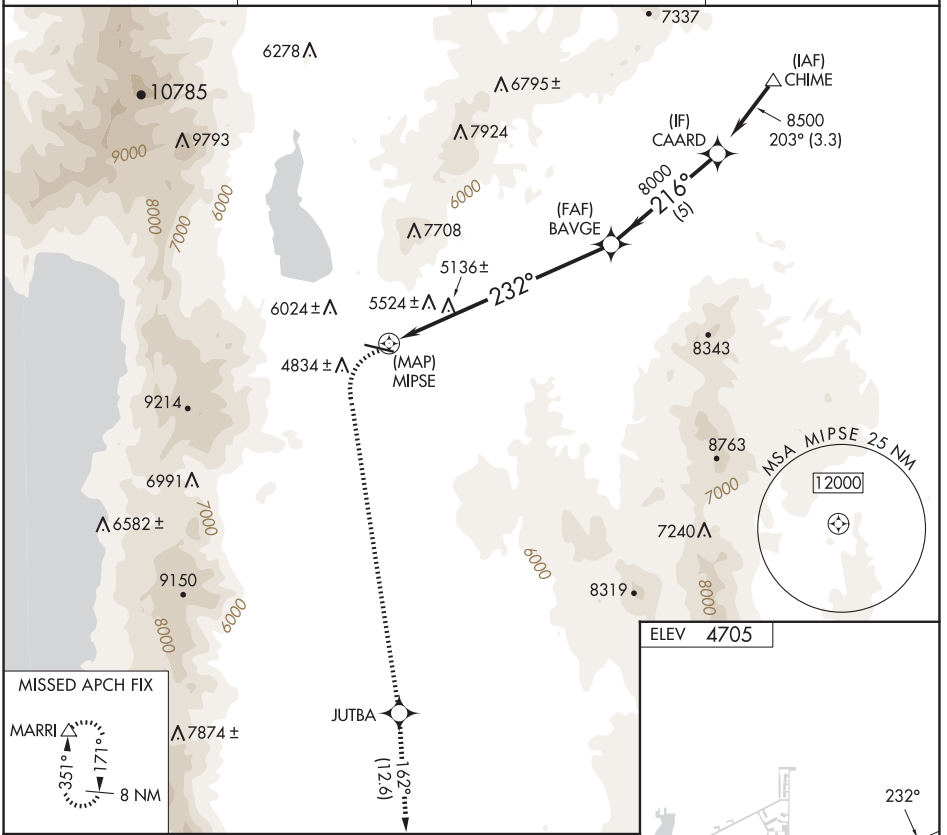
RNP APCH.

T A -18°C

Circling NA north of Rwy 9-27.
Procedure NA at night.

MISSED APPROACH: Climbing left turn to 13400 direct JUTBA and on track 162° direct MARRI and hold, continue climb-in-hold to 13400.

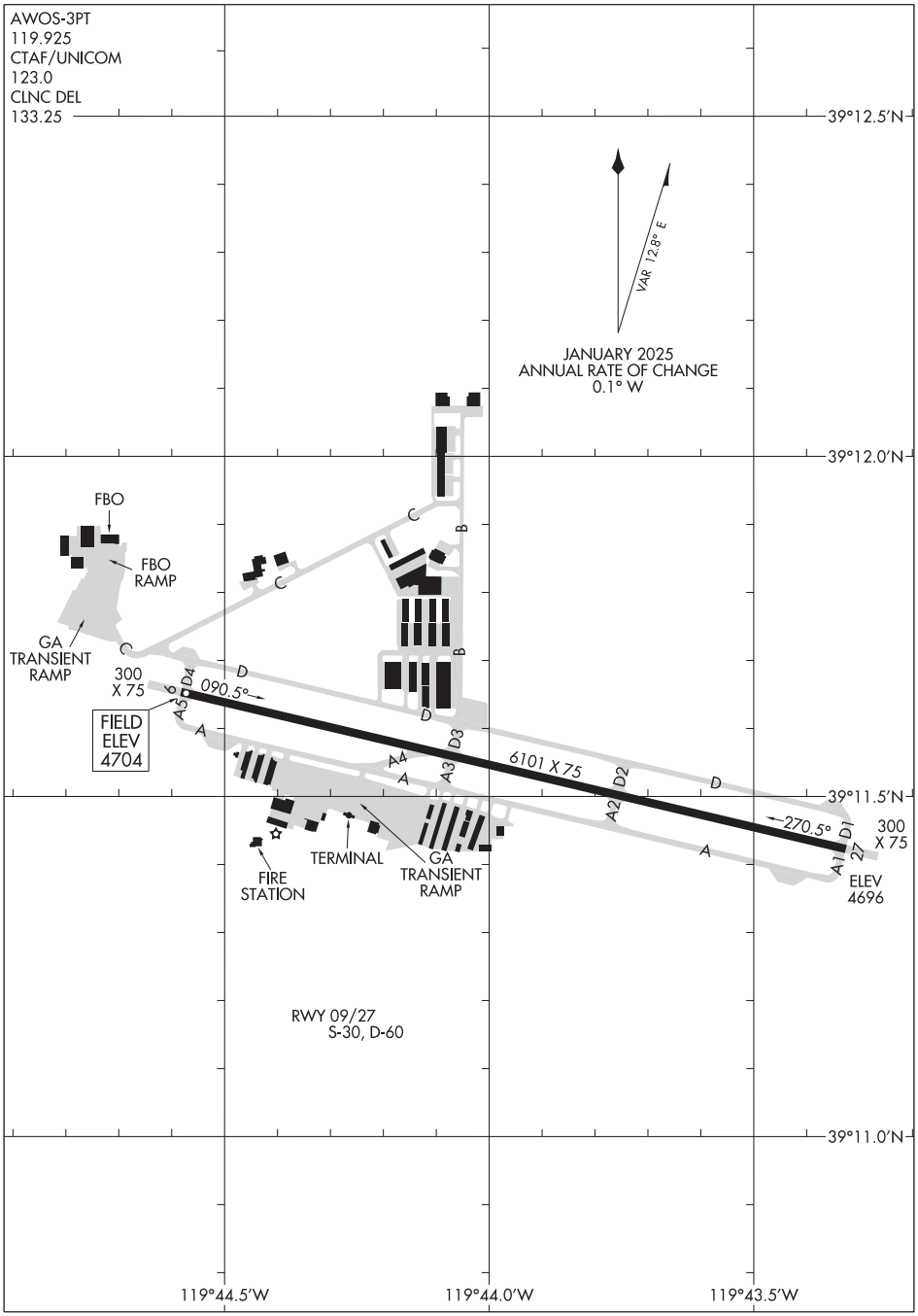
AWOS-3PT	NORCAL APP CON	CLNC DEL	UNICOM
119.925	119.2 279.55	133.25	123.0 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	6340-1¼ 1635 (1700-1¼)	6340-1½ 1635 (1700-1½)	6340-3 1635 (1700-3)	7660-3 2955 (3000-3)

MIRL Rwy 9-27 L
REIL Rwys 9 and 27 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025

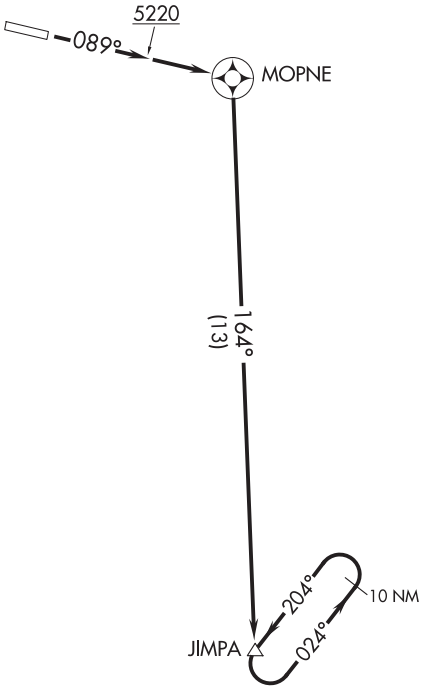
(JIMPA2.JIMPA) 23278

JIMPA TWO DEPARTURE (OBSTACLE) (RNAV)

AL-6515 (FAA)

CARSON CITY (CXP)
CARSON CITY, NEVADA

AWOS-3PT
119.925
NORCAL DEP CON
119.2 279.55



NOTE: RNAV 1.

NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 9: Standard with minimum climb of 550′ per NM to 11400′.
Rwy 27: NA - Obstacles.

TAKEOFF OBSTACLE NOTES

Rwy 9: Powerlines beginning 630′ from DER, left and right of centerline, up to 75′ AGL/4754′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb heading 089° to 5220, then climb to 15000 direct MOPNE and on track 164° to JIMPA and hold. Continue climb-in-hold to 15000 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC I-CGZ	APP CRS	Rwy Idg	5200
111.15	048°	TDZE	1458
		Apt Elev	1464

ILS or LOC RWY 5

CASA GRANDE MUNI (CGZ)

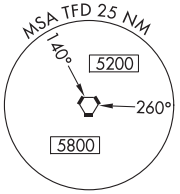
DME required for LOC only.

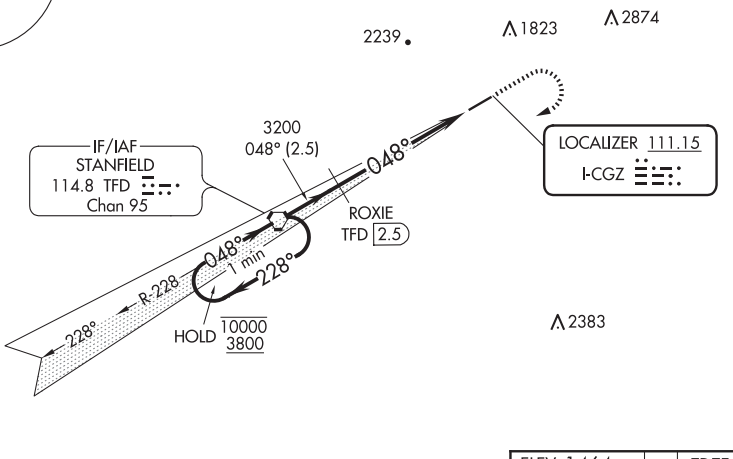
T A NA — Circling NA for Cat C and D northwest of Rwy 5-23. Autopilot coupled approach NA below 1650. DME from TFD VORTAC. Simultaneous reception of I-CGZ and TFD DME required. For inop ALS, increase S-LOC 5 Cat C/D visibility to 1 SM.

MALSR

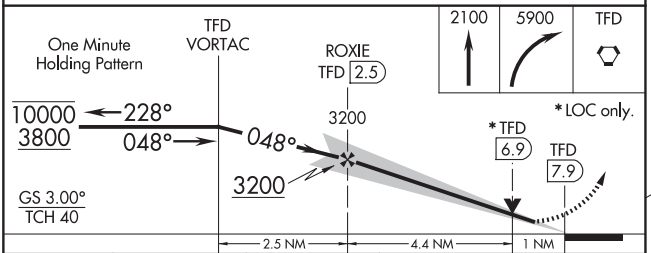
MISSED APPROACH: Climb to 2100 then climbing right turn to 5900 direct STANFIELD VORTAC and hold. Continue climb in hold to 5900.

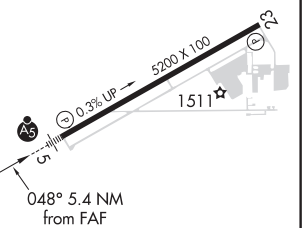
AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
132.175	125.4 269.3	122.7 (CTAF) L





ELEV 1464 TDZE 1458





CATEGORY	A	B	C	D
S-ILS 5	1708-½ 250 (300-½)			
S-LOC 5	1800-½ 342 (400-½)		1800-⅝ 342 (400-⅝)	
C CIRCLING	1960-1 496 (500-1)		1960-1½ 496 (500-1½)	2260-2½ 796 (800-2½)

MIRL Rwy 5-23

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CASA GRANDE, ARIZONA | AL-6656 (FAA) | 22363

RNAV (GPS) RWY 5

CASA GRANDE MUNI (CGZ)

WAAS	APP CRS	Rwy Idg	5200
CH 61042	048°	TDZE	1458
W05A		Apt Elev	1464

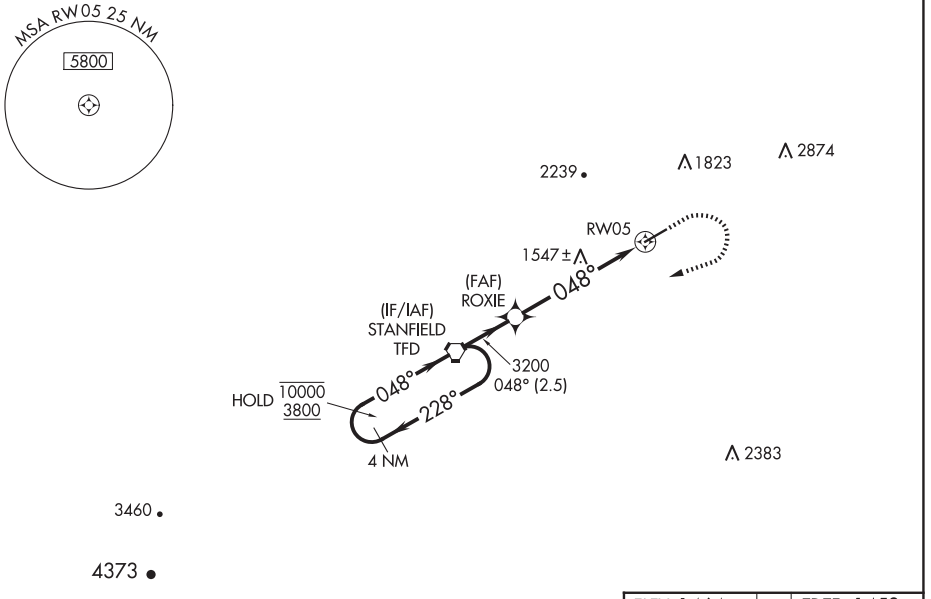
RNP APCH.

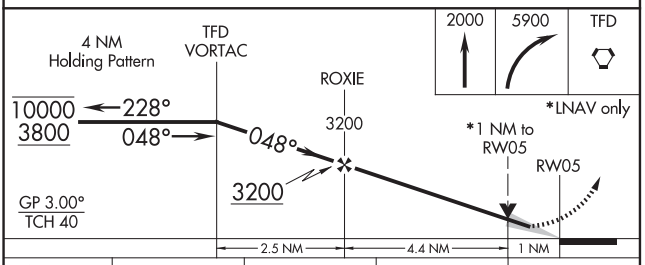
T A For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Circling NA for Cat C and D northwest of Rwy 5-23. For inoperative ALS, increase LNAV Cat C/D visibility to 1 SM.

MALSR (A5)

MISSED APPROACH: (Do not exceed 240K until TFD VORTAC) Climb to 2000 then climbing right turn to 5900 direct TFD VORTAC and hold. Continue climb in hold to 5900.

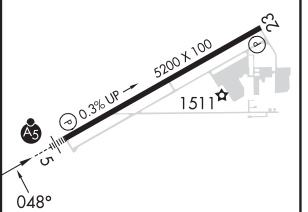
AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
132.175	125.4 269.3	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1708-½ 250 (300-½)			
LNAV/VNAV DA	1708-½ 250 (300-½)			
LNAV MDA	1800-½ 342 (400-½)		1800-⅝ 342 (400-⅝)	
C CIRCLING	1960-1 496 (500-1)		1960-1½ 496 (500-1½)	2260-2½ 796 (800-2½)

ELEV 1464 | TDZE 1458



MIRL Rwy 5-23

CASA GRANDE, ARIZONA
Amdt 1A 08NOV18

32°57′N-111°46′W

CASA GRANDE MUNI (CGZ)
RNAV (GPS) RWY 5

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	5200
241°	TDZE	1464
	Apt Elev	1464

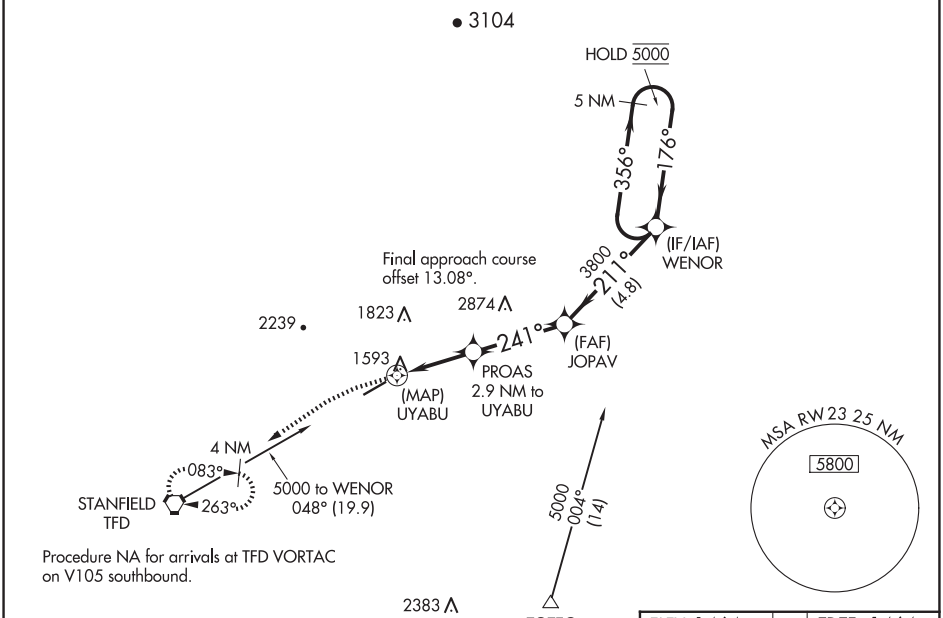
RNAV (GPS) RWY 23
CASA GRANDE MUNI (CGZ)

RNP APCH-GPS.

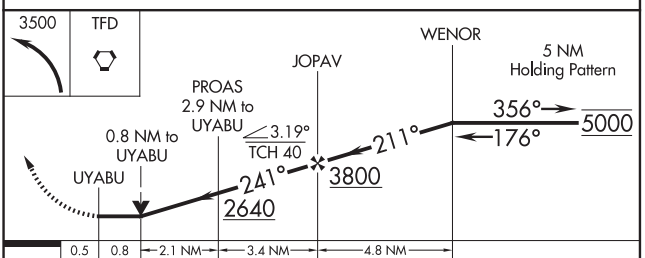
Rwy 23 helicopter visibility reduction below ¾ SM NA.
Circling NA for Cat C and D northwest of Rwy 5-23.

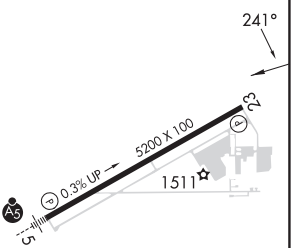
MISSED APPROACH: Climbing left turn to 3500 direct TFD VORTAC and hold.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
132.175	125.4 269.3	122.7 (CTAF) L



ELEV 1464	TDZE 1464





CATEGORY	A	B	C	D
LNAV MDA	1900-1 436 (500-1)		1900-1¼ 436 (500-1¼)	
C CIRCLING	1960-1 496 (500-1)		1960-1½ 496 (500-1½)	2260-2½ 796 (800-2½)

MIRL Rwy 5-23

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CASA GRANDE, ARIZONA AL-6656 (FAA) 22363

VORTAC TFD	APP CRS	Rwy Idg	5200
114.8	048°	TDZE	1458
Chan 95		Apt Elev	1464

VOR RWY 5

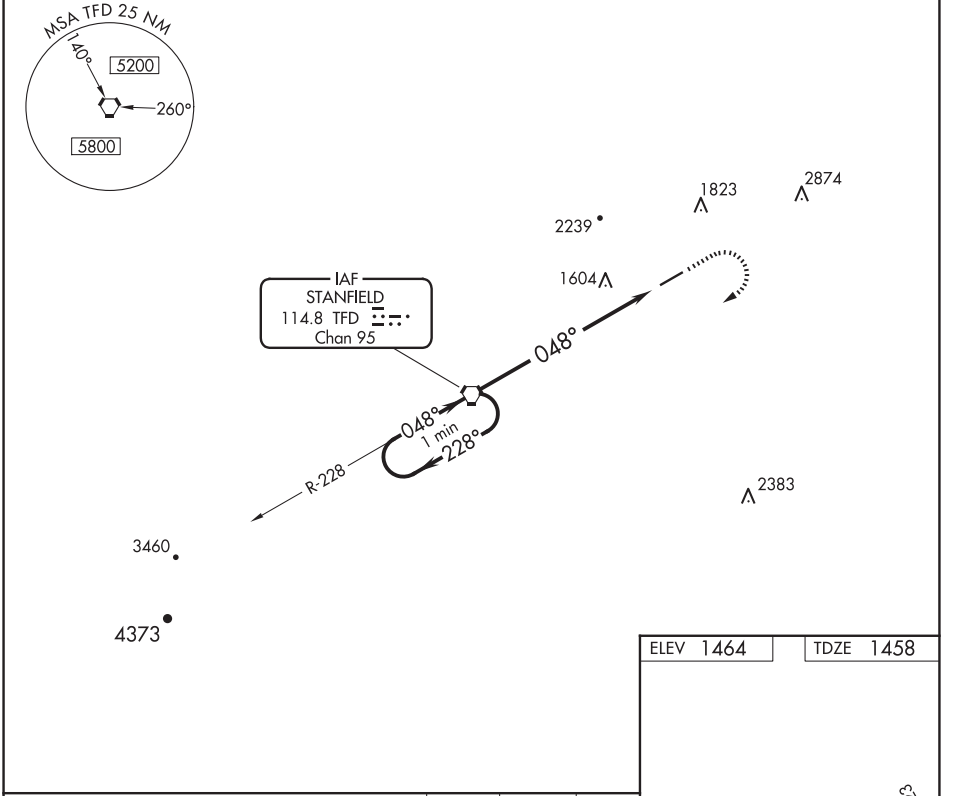
CASA GRANDE MUNI (CGZ)

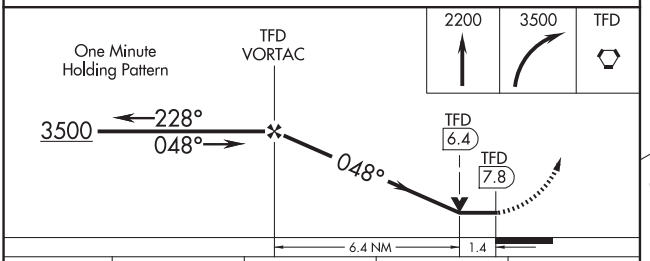
For inop ALS, increase S-5 Cats A/B visibility to 1 mile. Rwy 5 helicopter visibility reduction below ¾ SM NA. Circling Rwy 23 NA at night.

MALSR

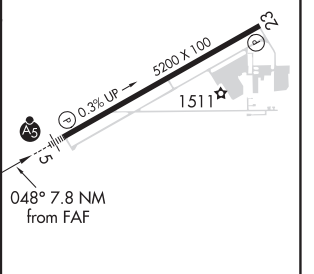
MISSED APPROACH: Climb to 2200, then climbing right turn to 3500 direct TFD VORTAC and hold.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
132.175	125.4 269.3	122.7 (CTAF)





CATEGORY	A	B	C	D
S-5	1960-¾	502 (500-¾)	NA	
C CIRCLING	1960-1	496 (500-1)	NA	



MIRL Rwy 5-23

FAF to MAP 7.8 NM					
Knots	60	90	120	150	180
Min:Sec	7:48	5:12	3:54	3:07	2:36

CASA GRANDE, ARIZONA
Amdt 4F 30JAN20

32°57′N-111°46′W

CASA GRANDE MUNI (CGZ)
VOR RWY 5

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC I-ECC	APP CRS	Rwy Idg	8653
110.1	200°	TDZE	5605
		Apt Elev	5622

ILS or LOC RWY 20

CEDAR CITY RGNL(CDC)

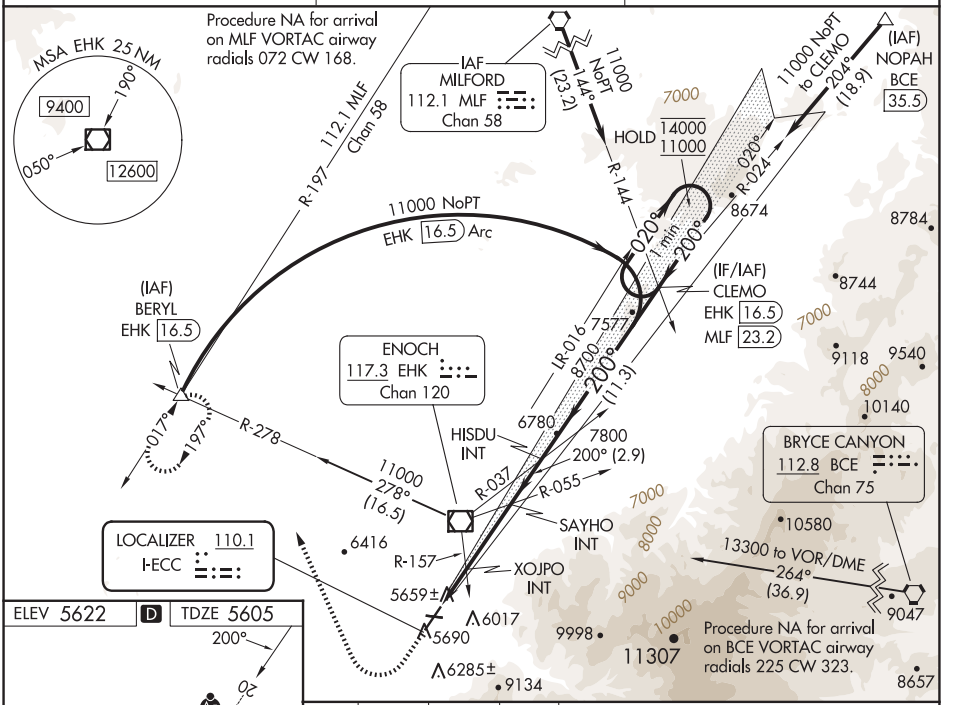
DME required.

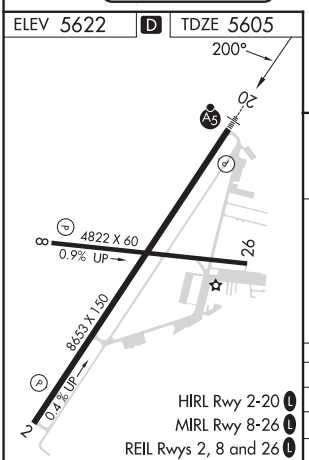
T NA XOJPO fix minimums (Dual VOR receivers required): For inop ALS, increase S-LOC 20 Cats C/D visibility to 1⅜ SM. For inop ALS, increase S-LOC 20 Cats C/D visibility to 2½ SM.
#For inop ALS, increase S-ILS 20 visibility all Cats to 1 SM.

MALSR

MISSED APPROACH: Climb to 6200 then climbing right turn to 10000 on heading 322° and on EHK R-278 to BERYL INT/EHK 16.5 DME and hold, continue climb-in-hold to 10000.
†Missed approach requires minimum climb of 210 feet per NM to 7300.

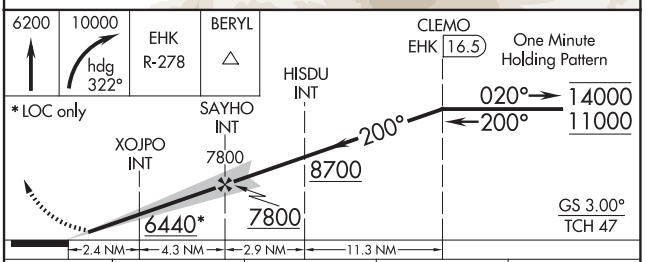
ASOS	SALT LAKE CITY CENTER	UNICOM
119.025	125.575 379.275	123.0 (CTAF) L





FAF to MAP 6.7 NM

Knots	60	90	120	150	180
Min:Sec	6:42	4:28	3:21	2:41	2:14



CATEGORY	A	B	C	D
S-ILS 20†	5825-½ 220 (300-½)			
S-ILS 20#	5882-½ 277 (300-½)			
S-LOC 20	6440-½ 835 (900-½)	6440-¾ 835 (900-¾)	6440-1⅞ 835 (900-1⅞)	
XOJPO FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED				
S-LOC 20	6100-½ 495 (500-½)		6100-1 495 (500-1)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CEDAR CITY, UTAH | AL-5139 (FAA) | 25051

RNAV (GPS) RWY 2
CEDAR CITY RGNL (CDC)

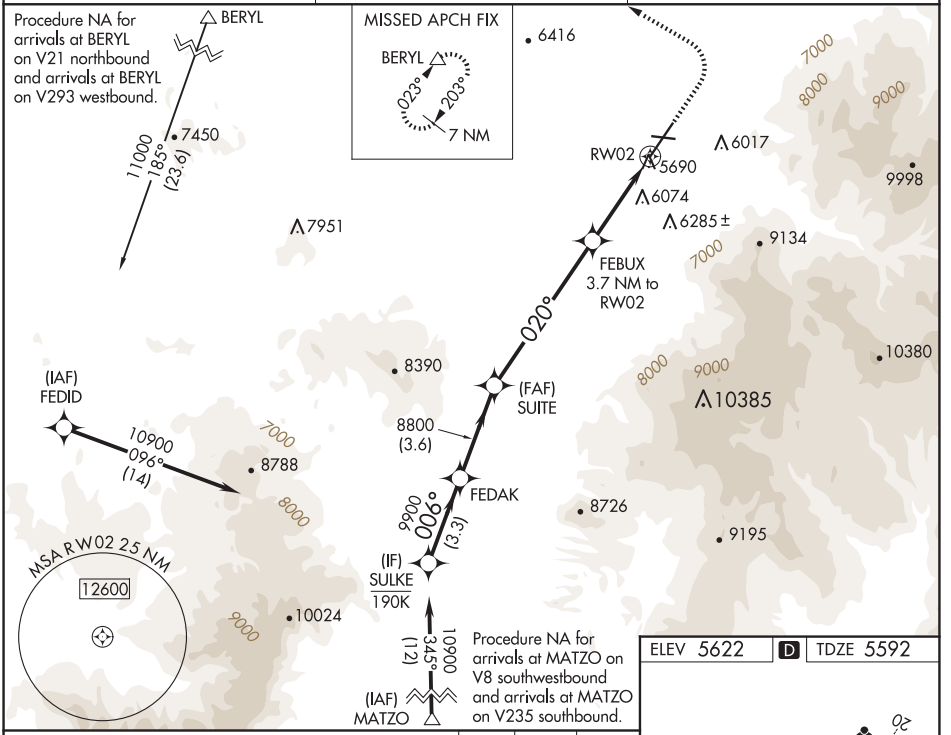
WAAS	APP CRS	Rwy Idg	8653
CH 49143	020°	TDZE	5592
W02A		Apt Elev	5622

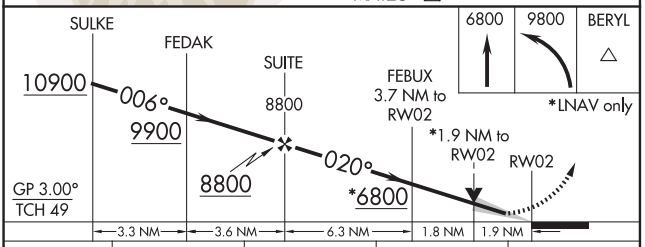
RNP APCH.

Circling NA east of Rwy 2-20. Baro-VNAV NA.

MISSED APPROACH: Climb to 6800 then climbing left turn to 9800 direct BERYL and hold.

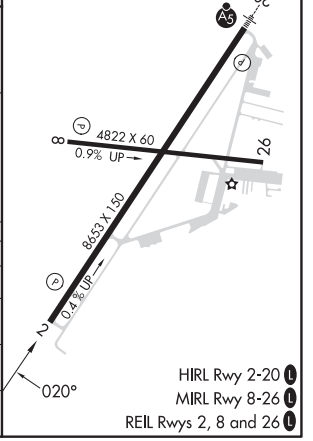
ASOS	SALT LAKE CITY CENTER	UNICOM
119.025	125.575 379.275	123.0 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	5867-⅞ 275 (300-⅞)			
LNAV/VNAV DA	6394-2½ 802 (800-2½)			
LNAV MDA	6240-1 648 (700-1)		6240-1⅞ 648 (700-1⅞)	
C CIRCLING	6240-1 618 (700-1)		6240-1⅞ 618 (700-1⅞)	6240-2 618 (700-2)

ELEV 5622 | D | TDZE 5592



CEDAR CITY, UTAH
Orig-A 16JUN22

37°42'N-113°06'W

CEDAR CITY RGNL (CDC)
RNAV (GPS) RWY 2

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 20

CEDAR CITY RGNL (CDC)

WAAS	APP CRS	Rwy Idg	8653
CH 72640	200°	TDZE	5605
W20A		Apt Elev	5622

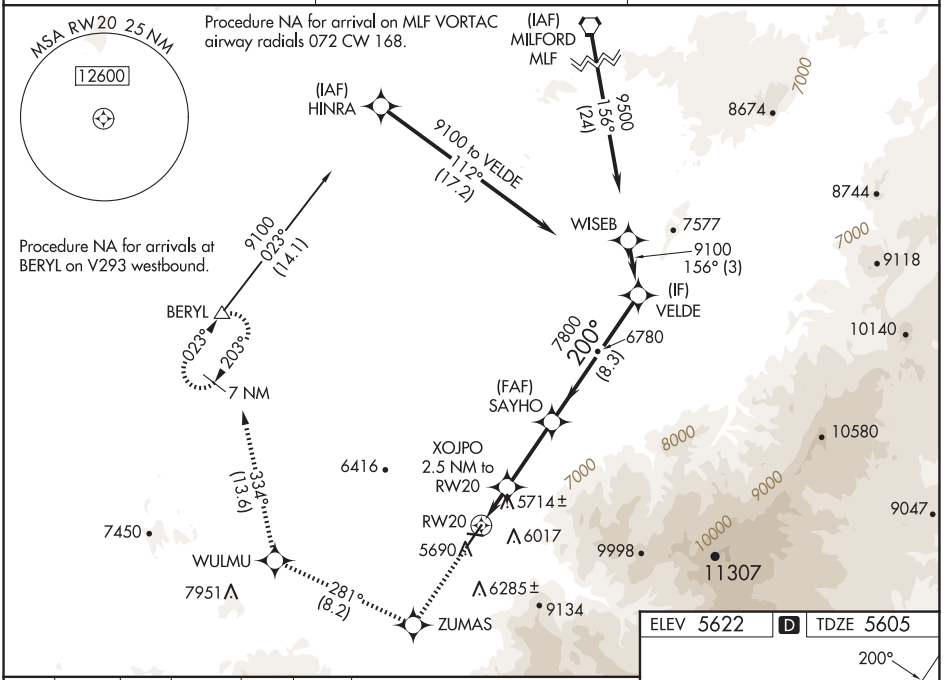
RNP APCH.

Circling NA east of Rwy 2-20. Baro-VNAV NA.
For inop ALS, increase LNAV/VNAV all Cats visibility to 1⅛ SM and LNAV Cats C/D visibility to 1⅝ SM.

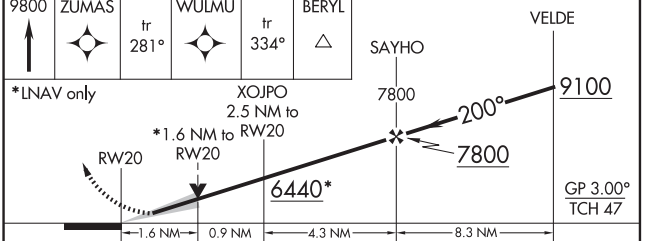
MALSR

MISSED APPROACH: Climb to 9800 direct ZUMAS and on track 281° to WULMU and on track 334° to BERYL and hold.

ASOS	SALT LAKE CITY CENTER	UNICOM
119.025	125.575 379.275	123.0 (CTAF) L

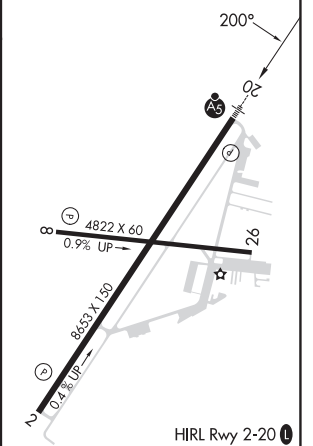


9800	ZUMAS	tr 281°	WULMU	tr 334°	BERYL



CATEGORY	A	B	C	D
LPV DA	5825-½ 220 (300-½)			
LNAV/VNAV DA	6015-¾ 410 (400-¾)			
LNAV MDA	6180-½ 575 (600-½)		6180-1¼ 575 (600-1¼)	
C CIRCLING	6180-1 558 (600-1)		6180-1⅝ 558 (600-1⅝)	6180-2 558 (600-2)

ELEV 5622 D TDZE 5605



HIRL Rwy 2-20 L
MIRL Rwy 8-26 L
REIL Rwys 2, 8 and 26 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CEDAR CITY, UTAH | AL-5139 (FAA) | 25051

VOR RWY 20

CEDAR CITY RGNL (CDC)

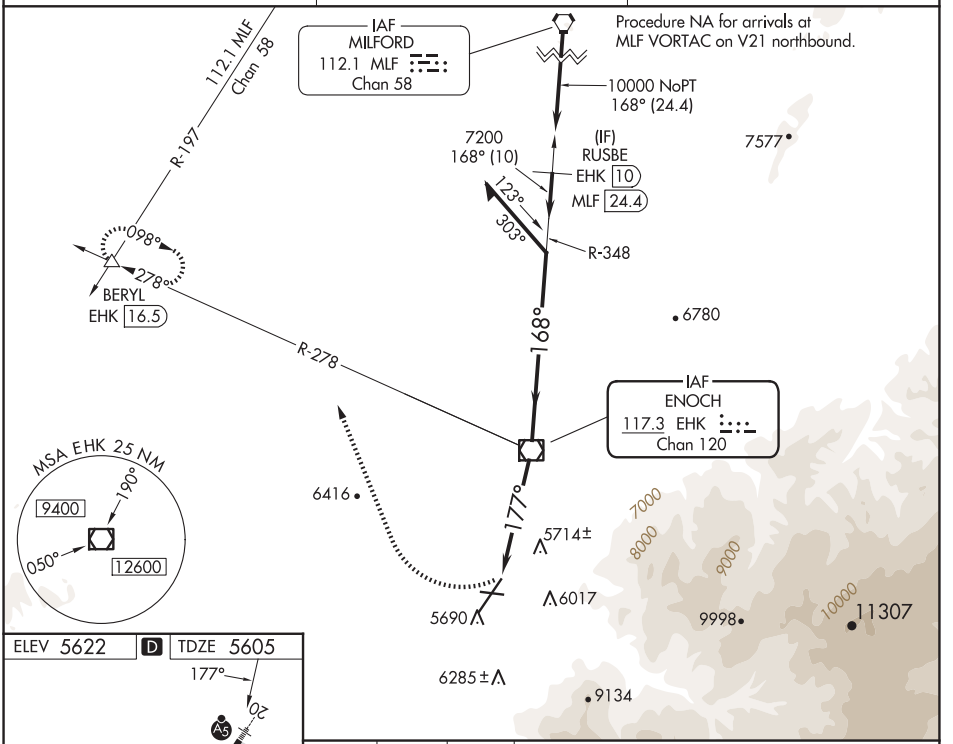
VOR/DME EHK	APP CRS	Rwy Idg	8653
117.3	177°	TDZE	5605
Chan 120		Apt Elev	5622

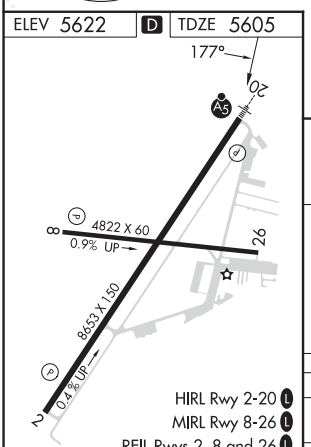
T A — Circling NA southeast of Rwy 2-20. For inop ALS S-20,* increase Cat C/D visibility to 1⅛ SM.

MALSR

MISSED APPROACH: Climbing right turn to 11500 on heading 322° and on EHK VOR/DME R-278 to BERYL INT/EHK 16.5 DME and hold, continue climb-in-hold to 11500.
*Missed approach requires minimum climb of 247 feet per NM to 7500.

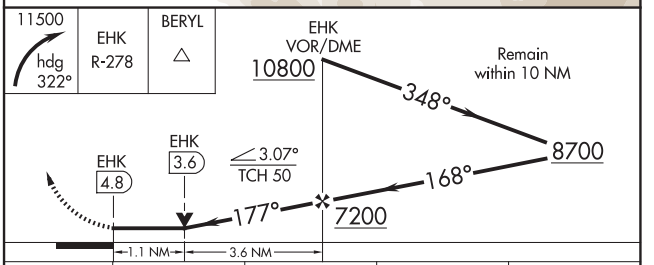
ASOS	SALT LAKE CITY CENTER	UNICOM
119.025	125.575 379.275	123.0 (CTAF) L





FAF to MAP 4.8 NM

Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36



CATEGORY	A	B	C	D
S-20*	6020-½ 415 (400-½)		6020-¾ 415 (400-¾)	
S-20	6300-½ 695 (700-½)		6300-1½ 695 (700-1½)	
C CIRCLING	6300-1 678 (700-1)		6300-2 678 (700-2)	6300-2¼ 678 (700-2¼)

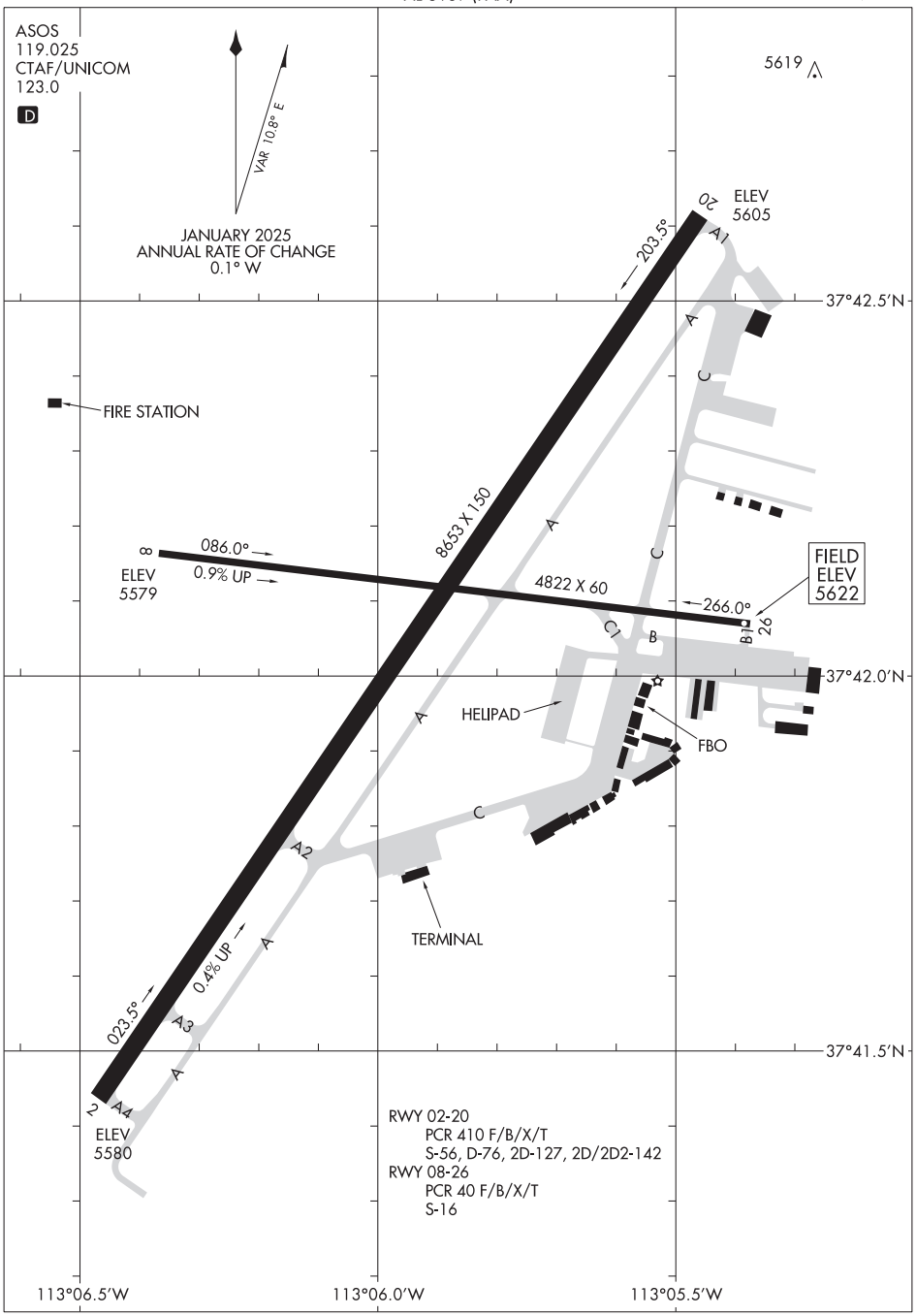
CEDAR CITY, UTAH
Amdt 8 31DEC20

37°42′N-113°06′W

CEDAR CITY RGNL (CDC)
VOR RWY 20

SW-4, 07 AUG 2025 to 02 OCT 2025

AL-5139 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

CHANDLER, ARIZONA | AL-6494 (FAA) | 25219

RNAV (GPS) RWY 4R

CHANDLER MUNI (CHD)

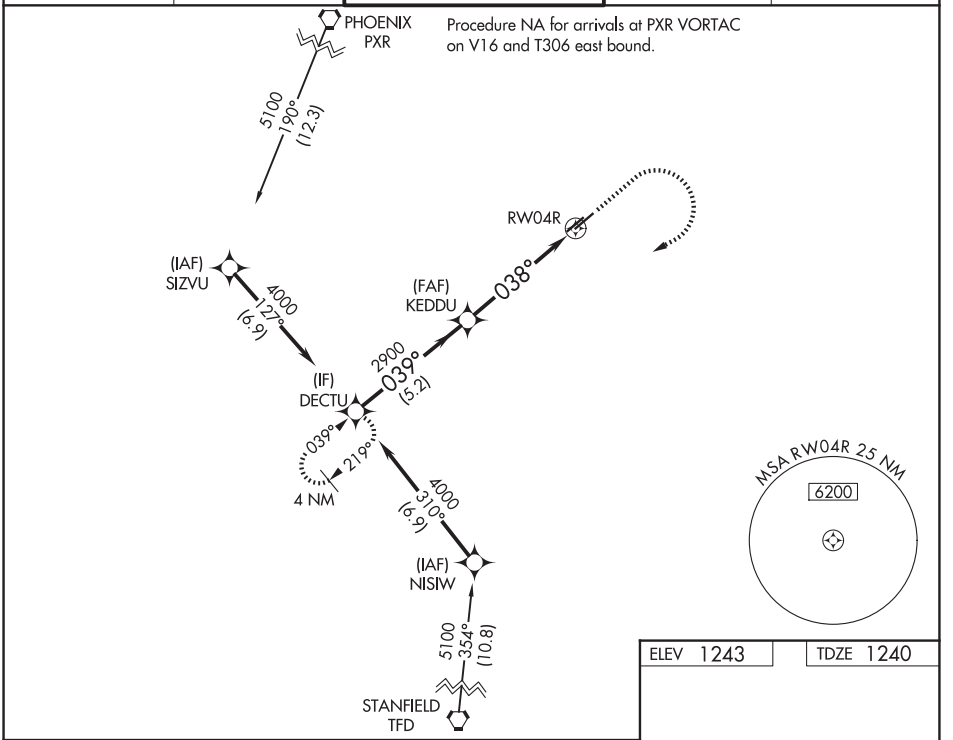
WAAS	APP CRS	Rwy Ldg	4870
CH **93544**	**038°**	TDZE	**1240**
W04A		Apt Elev	**1243**

RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: (Do not exceed 210K until DECTU) Climb to 2200 then climbing right turn to 4000 direct to DECTU and hold.

ATIS	PHOENIX APP CON	CHANDLER TOWER ★	GND CON	UNICOM
128.325	**123.7 363.0**	**126.1** (CTAF) (L) (N and W) **133.1** (S and E)	**124.4**	**122.95**



CATEGORY	A	B	C	D
LPV DA	1490-¾ 250 (300-¾)			NA
LNAV/VNAV DA	1640-1⅛ 400 (400-1⅛)			NA
LNAV MDA	1640-1 400 (400-1)		1640-1⅛ 400 (400-1⅛)	NA
CIRCLING	1700-1 457 (500-1)	1760-1 517 (600-1)	1760-1½ 517 (600-1½)	NA

REIL Rwys 4R and 22L
MIRL Rwys 4L-22R and 4R-22L (L)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

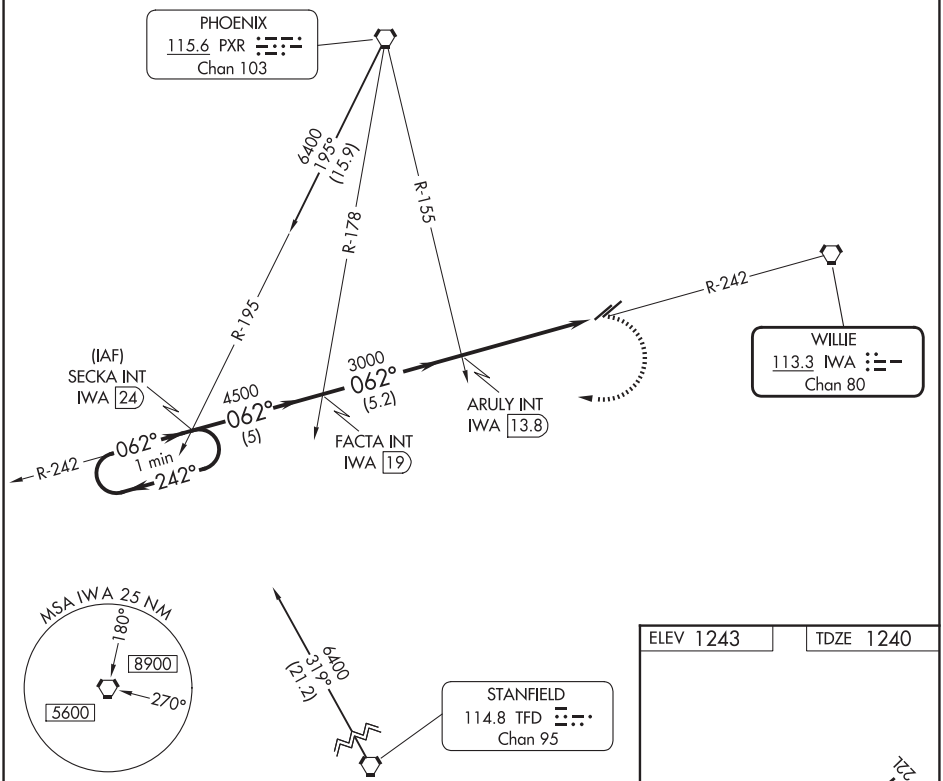
VORTAC IWA	APP CRS	Rwy Ldg	4870
113.3	062°	TDZE	1240
Chan 80		Apt Elev	1243

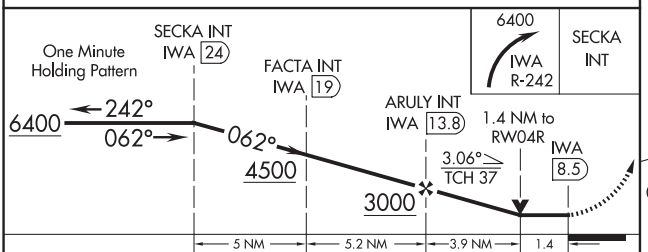
VOR RWY 4R
CHANDLER MUNI (CHD)

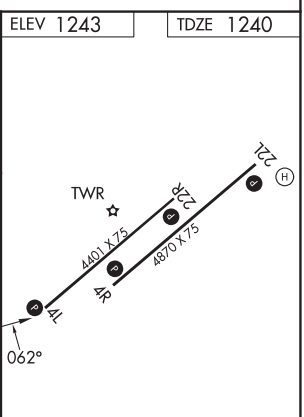
When VGSI inoperative, Circling Rwy 4L NA at night.

MISSED APPROACH: Climbing right turn to 6400 via IWA R-242 to SECKA INT and hold.

ATIS	PHOENIX APP CON	CHANDLER TOWER ★	GND CON	UNICOM
128.325	123.7 363.0	126.1 (CTAF) L (N and W) 133.1 (S and E)	124.4	122.95







CATEGORY	A	B	C	D
S-4R	1680-1 440 (500-1)		1680-1¼ 440 (500-1¼)	NA
CIRCLING	1720-1 477 (500-1)	1760-1 517 (600-1)	1760-1½ 517 (600-1½)	NA

REIL Rwys 4R and 22L
MIRL Rwys 4L-22R and 4R-22L L

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25219

AIRPORT DIAGRAM

CHANDLER MUNI (CHD)

CHANDLER, ARIZONA

AL-6494 (FAA)

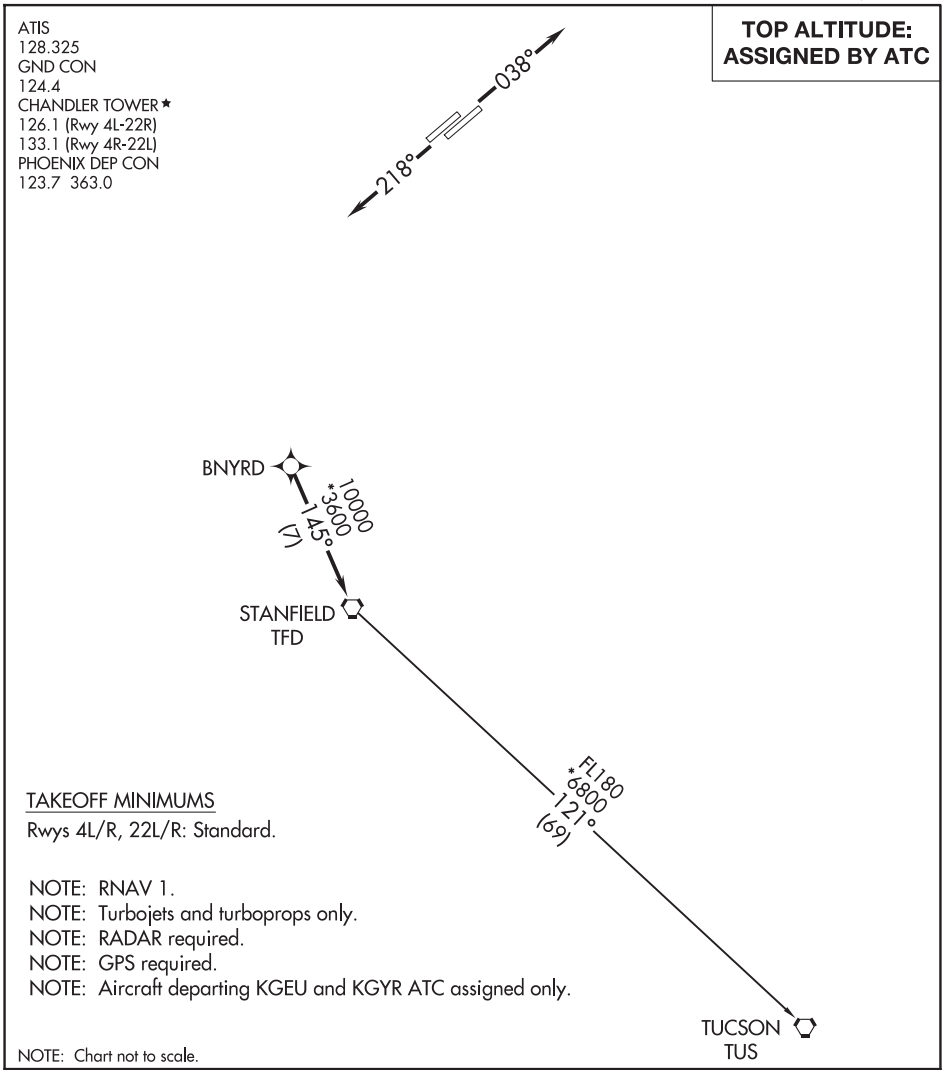
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM

25219

CHANDLER, ARIZONA
CHANDLER MUNI (CHD)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb heading 038° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAYS 22L/R: Climb heading 218° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BNYRD, then on track 145° to TFD VORTAC, then on (transition), maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

TUCSON TRANSITION (BNYRD6.TUS)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FTHLS SIX DEPARTURE (RNAV)

SW-4, 07 AUG 2025 to 02 OCT 2025

AL-6494 (FAA)

PHOENIX DEP CON
123.7 363.0
ATIS
128.325
GND CON
124.4
CHANDLER TOWER★
126.1 (Rwy 4L-22R)
133.1 (Rwy 4R-22L)

TOP ALTITUDE:
ASSIGNED BY ATC

RNAV 1 - GPS.
RADAR required.

NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 4L/R, 22L/R: Standard.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb on track 038° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAYS 22L/R: Climb on track 218° or as assigned by ATC, thence. . . .

. . . .for RADAR vectors to KEENS, then on track 259° to IZZZO, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (IZZZO8.BLH)

HRRBR TRANSITION (IZZZO8.HRRBR)

WLVRN TRANSITION (IZZZO8.WLVRN)

(JUDTH7.JUDTH) 18144

JUDTH SEVEN DEPARTURE (RNAV)

CHANDLER MUNI (CHD)
CHANDLER, ARIZONA

AL-6494 (FAA)

TOP ALTITUDE: ASSIGNED BY ATC

ATIS
128.325
GND CON
124.4
CHANDLER TOWER★
126.1 (Rwy 4L-22R)
133.1 (Rwy 4R-22L)
PHOENIX DEP CON
123.7 363.0

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 4L/R, 22L/R: Standard.

N

038°
218°

FL180
*3800
249°
(52)

GILA BEND
GBN

FL180
*4000
248°
(15)

JUDTH

MOHAK

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb heading 038° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAYS 22L/R: Climb heading 218° or as assigned by ATC, thence. . . .

. . . expect RADAR vectors to GBN VORTAC, then on track 249° to JUDTH, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

MOHAK TRANSITION (JUDTH7.MOHAK)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ATIS
128.325
GND CON
124.4
CHANDLER TOWER★
126.1 (Rwy 4L-22R)
133.1 (Rwy 4R-22L)
PHOENIX DEP CON
123.7 363.0

TOP ALTITUDE: ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb heading 038° or as assigned by ATC. Thence. . . .

TAKEOFF RUNWAYS 22L/R: Climb heading 218° or as assigned by ATC. Thence. . . .

. . . .on RADAR vectors to ECLPS, then on track 111° to KATMN, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

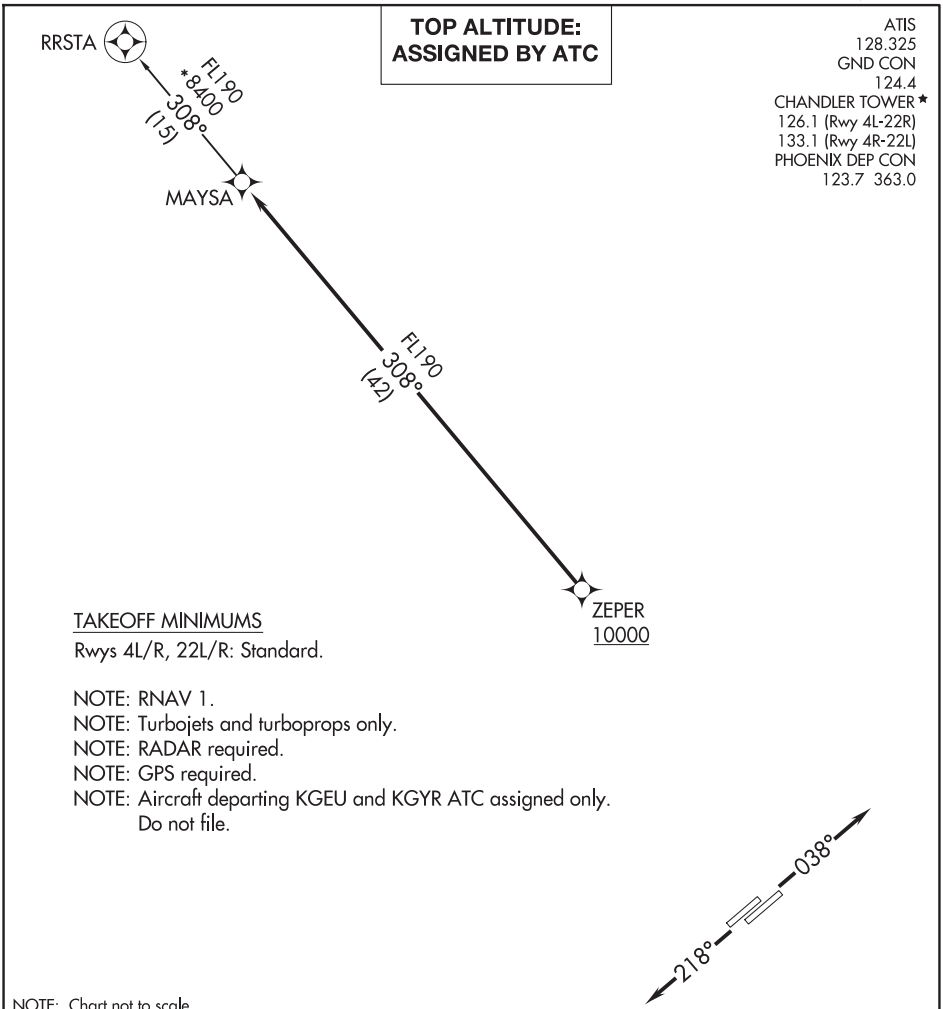
PHASE TRANSITION (KATMN6.PHASE)

TAKEOFF MINIMUMS
Rwys 4L/R, 22L/R: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

NOTE: Chart not to scale.

TOP ALTITUDE:
ASSIGNED BY ATC
ATIS
128.325
GND CON
124.4
CHANDLER TOWER ★
126.1 (Rwy 4L-22R)
133.1 (Rwy 4R-22L)
PHOENIX DEP CON
123.7 363.0
NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: SJN TRANSITION for ABQ terminal arrivals only.
NOTE: MAXXO TRANSITION ATC assigned only.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS, file YOTES DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK, file LALUZ DEPARTURE.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO, file FTHILS DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
TAKEOFF MINIMUMS
Rwys 4L/R, 22L/R: Standard.
N
218°
038°
FORPE
FL180
*10000
055°
(57)
LALUZ
FL180
*11000
055°
(58)
ST JOHNS
SJN
080°
(56)
FL180
*11300
JSSUA
FL180
*10800
059°
(121)
ALBUQUERQUE
ABQ
FL180
*11800
077°
(65)
MAXXO
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAYS 4L/R: Climb heading 038° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAYS 22L/R: Climb heading 218° or as assigned by ATC, thence. . . .
. . . .expect RADAR vectors to FORPE, then on track 055° to LALUZ, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.
ALBUQUERQUE TRANSITION (LALUZ6.ABQ)
MAXXO TRANSITION (LALUZ6.MAXXO)
ST JOHNS TRANSITION (LALUZ6.SJN)
NOTE: Chart not to scale.
SW-4, 07 AUG 2025 to 02 OCT 2025



TAKEOFF MINIMUMS
Rwys 4L/R, 22L/R: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only. Do not file.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb on heading 038° or as assigned by ATC. Thence. . . .

TAKEOFF RUNWAYS 22L/R: Climb on heading 218° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to cross ZEPER at or above 10000, then on track 308° to MAYSA, then on RRSTA TRANSITION. Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

RRSTA TRANSITION (MAYSA7.RRSTA)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(SNOBL6.SNOBL) 18144

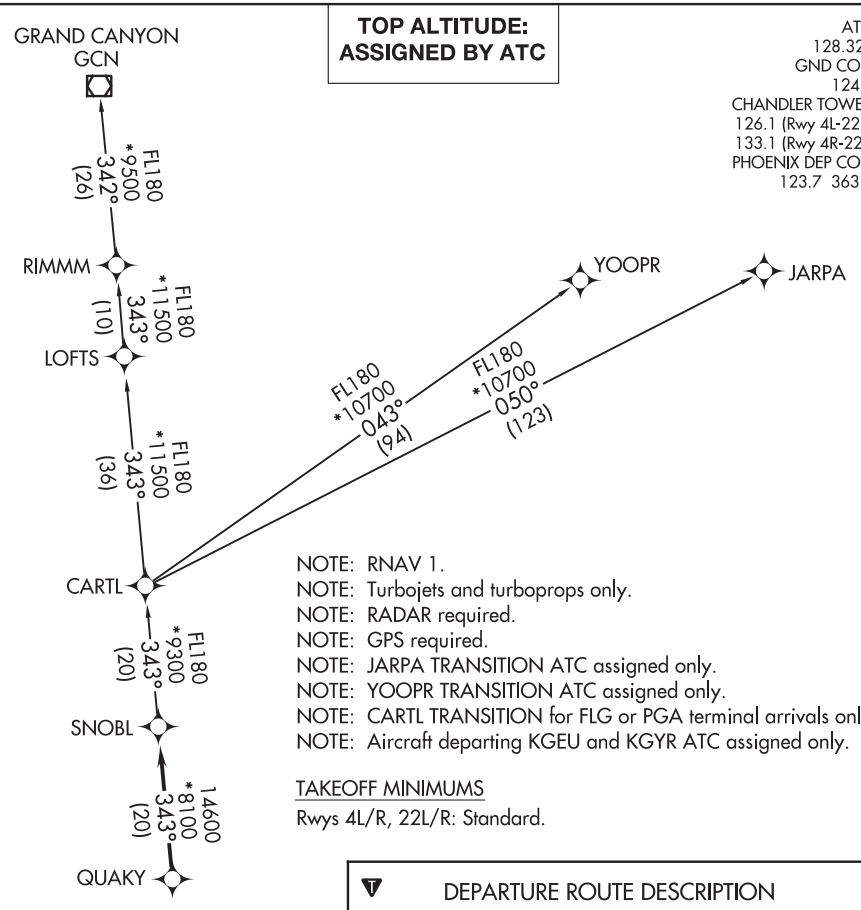
SNOBL SIX DEPARTURE (RNAV)

AL-6494 (FAA)

CHANDLER MUNI (CHD)
CHANDLER, ARIZONA

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 128.325
GND CON 124.4
CHANDLER TOWER ★ 126.1 (Rwy 4L-22R) 133.1 (Rwy 4R-22L)
PHOENIX DEP CON 123.7 363.0



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: JARPA TRANSITION ATC assigned only.
NOTE: YOOPR TRANSITION ATC assigned only.
NOTE: CARTL TRANSITION for FLG or PGA terminal arrivals only.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS

Rwys 4L/R, 22L/R: Standard.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb heading 038° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAYS 22L/R: Climb heading 218° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to QUAKY, then on track 343° to SNOBL, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

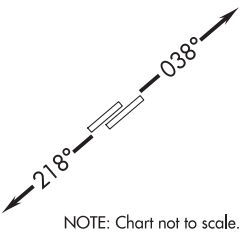
CARTL TRANSITION (SNOBL6.CARTL)

GRAND CANYON TRANSITION (SNOBL6.GCN)

JARPA TRANSITION (SNOBL6.JARPA)

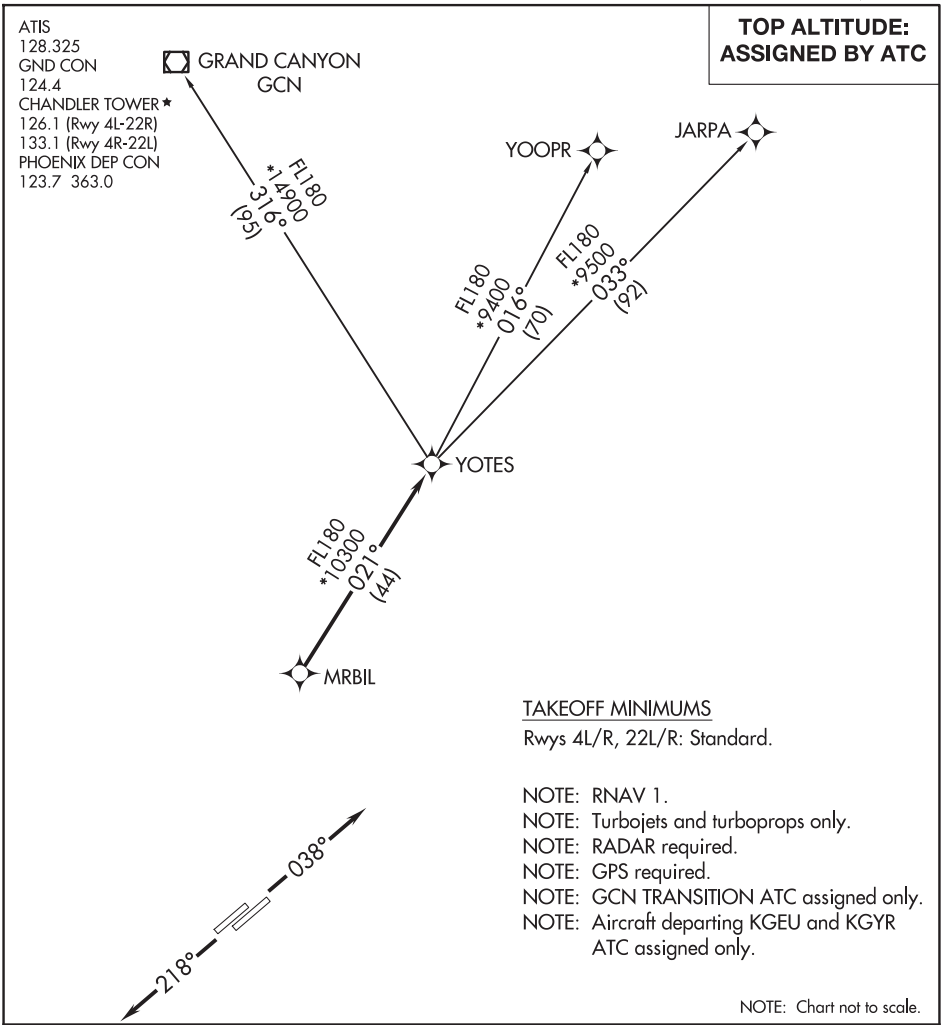
RIMMM TRANSITION (SNOBL6.RIMMM)

YOOPR TRANSITION (SNOBL6.YOOPR)



NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/R: Climb heading 038° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAYS 22L/R: Climb heading 218° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to MRBIL, then on track 021° to YOTES, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

GRAND CANYON TRANSITION (YOTES6.GCN)

JARPA TRANSITION (YOTES6.JARPA)

YOOPR TRANSITION (YOTES6.YOOPR)

CHANDLER, ARIZONA | AL-6022 (FAA-O) | 24081

RNAV (GPS) RWY 35

STELLAR AIRPARK (P19)

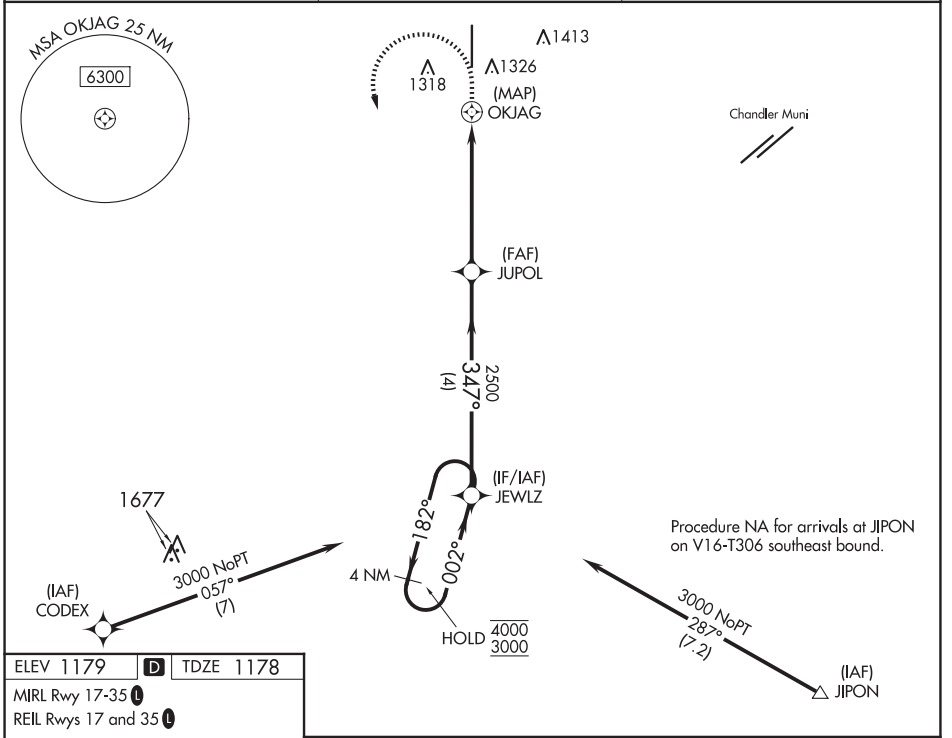
WAAS	APP CRS	Rwy Idg	4068
CH 83489	347°	TDZE	1178
W35A		Apt Elev	1179

RNP APCH - GPS.

T A NA Use Phoenix Sky Harbor Intl altimeter setting. Rwy 35 helicopter visibility reduction below 1 SM NA. Activate MIRL Rwy 17-35 and PAPI Rwy 17-35 - CTAF. RADAR required.

MISSED APPROACH: (Do not exceed 200K until JEWLZ) Climb to 1700 then climbing left turn to 3000 direct JEWLZ and hold.

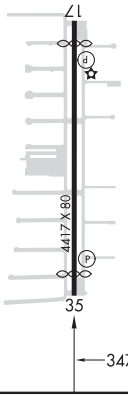
PHX ASOS	PHOENIX APP CON	UNICOM
127.575	123.7 363.0	122.975 (CTAF) L

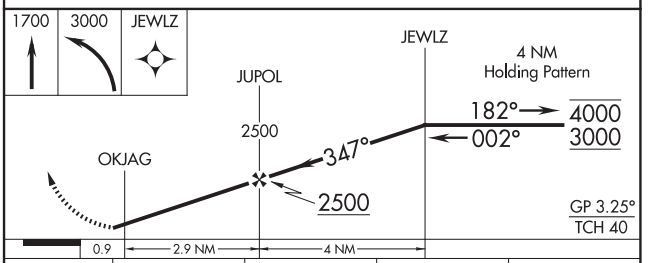


ELEV 1179 | D | TDZE 1178

MIRL Rwy 17-35 L

REIL Rwys 17 and 35 L





CATEGORY	A	B	C	D
LPV DA	1457-1 279 (300-1)			NA
LNAV MDA	1620-1 442 (500-1)		1620-1⅜ 442 (500-1⅜)	NA
CIRCLING	1760-1 581 (600-1)		1760-1½ 581 (600-1½)	NA

CHANDLER, ARIZONA
Orig 29DEC22

33°18′N-111°55′W

STELLAR AIRPARK (P19)

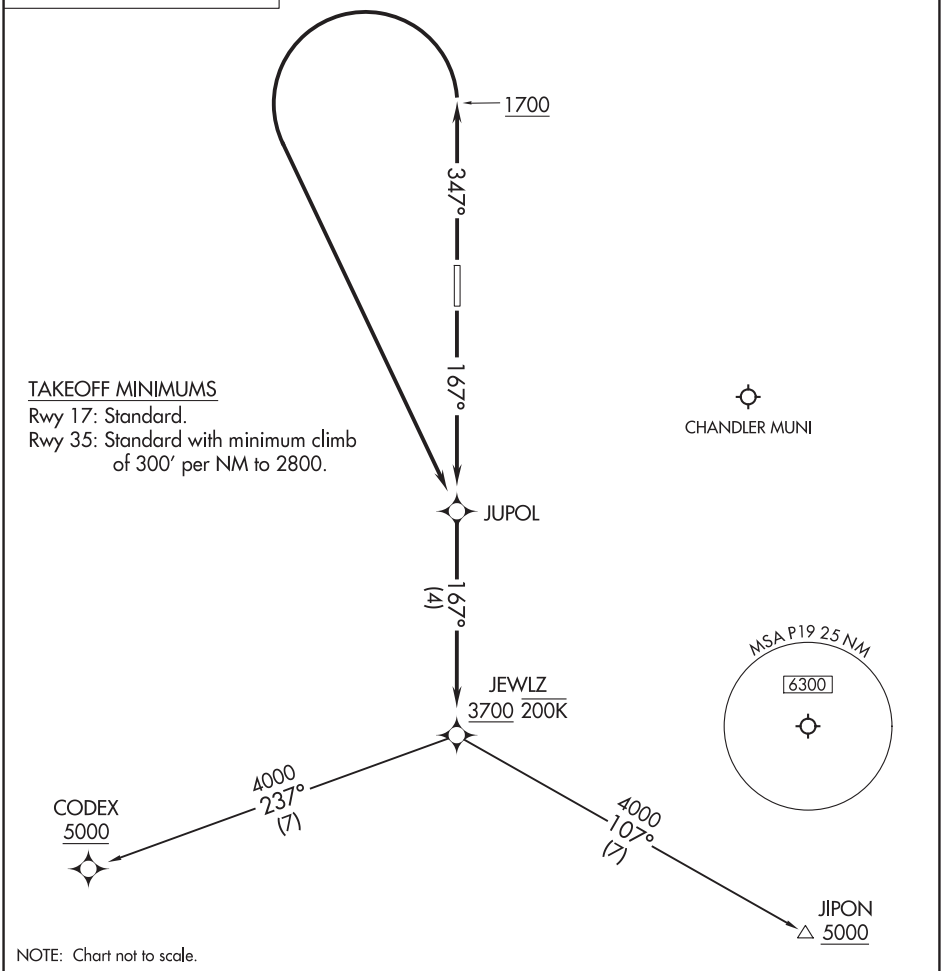
RNAV (GPS) RWY 35

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: AS ASSIGNED BY ATC

RNAV 1-GPS.
RADAR required.

PHOENIX DEP CON
123.7 363.0



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on course 167° to JUPOL, thence. . . .

TAKEOFF RUNWAY 35: Climb on heading 347° to 1700, then left turn direct JUPOL, thence. . . .

. . . .on track 167° to cross JEWLZ at or above 3700. Do not exceed 200K until passing JEWLZ. Maintain ATC-assigned altitude. Expect filed altitude 10 minutes after departure.

CODEX TRANSITION (JEWLZ1.CODEX)

JIPON TRANSITION (JEWLZ1.JIPON)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

CLIFTON/MORENCI, ARIZONA | AL-9871 (FAA) | 25163

APP CRS	Rwy Ldg	N/A
082°	TDZE	N/A
	Apt Elev	3798

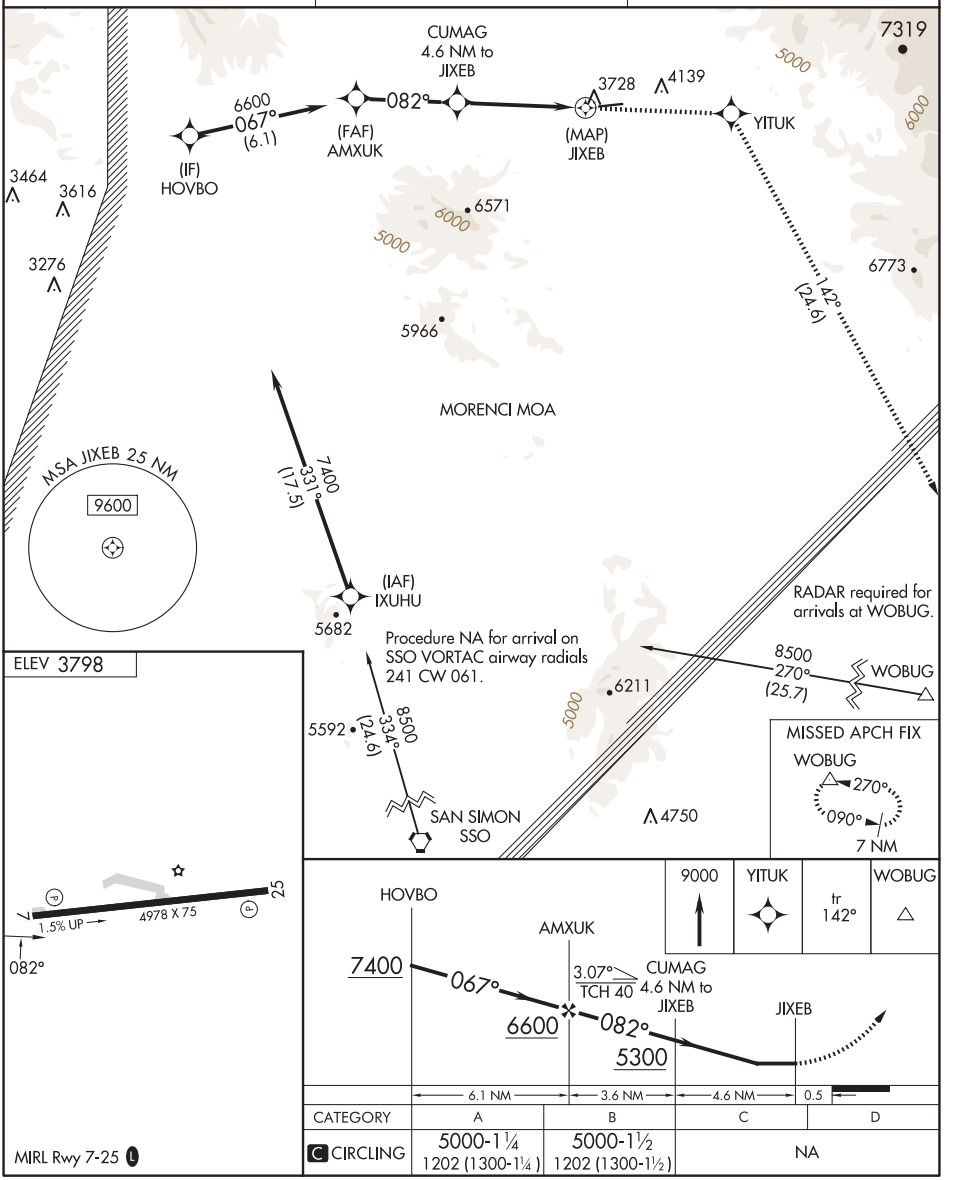
RNAV (GPS)-A

GREENLEE COUNTY (CFT)

T NA — When VGSI inop, Circling Rwy 25 NA at night. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Safford altimeter setting and increase all MDA 140 feet. Rwy 25 helicopter visibility below 1 SM NA.

MISSED APPROACH: Climb to 9000 direct YITUK and on track 142° to WOBUG and hold.

AWOS-3	ALBUQUERQUE APP CON	CTAF
119.05	134.45 327.15	122.9 L



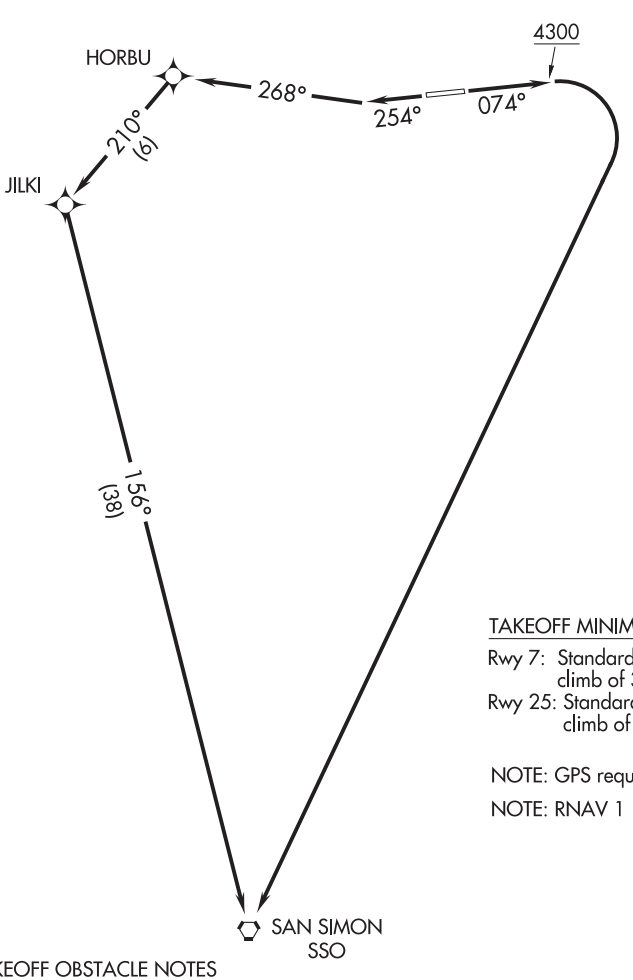
CLIFTON/MORENCI, ARIZONA
Orig-B 03DEC20

32°57'N-109°13'W

GREENLEE COUNTY (CFT)
RNAV (GPS)-A

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



TAKEOFF MINIMUMS

Rwy 7: Standard with a minimum climb of 320′ per NM to 5100.
Rwy 25: Standard with a minimum climb of 310′ per NM to 5500.

NOTE: GPS required.

NOTE: RNAV 1

TAKEOFF OBSTACLE NOTES

Rwy 7: Multiple bushes, poles and transmission towers beginning 221′ from DER, 60′ left of centerline, up to 139′ AGL/4139′ MSL.
Rwy 25: Vehicles on road traversing northeast to southwest beginning 67′ from DER, up to 15′ AGL/3734′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 7: Climb heading 074° to 4300, then climbing right turn to 8700 direct SSO VORTAC.

TAKEOFF RUNWAY 25: Climb to 8700 on heading 254° to intercept course 268° to HORBU and on track 210° to JILKI and on track 156° to SSO VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

COLORADO CITY, ARIZONA | AL-9194 (FAA) | 24025

RNAV (GPS) RWY 11

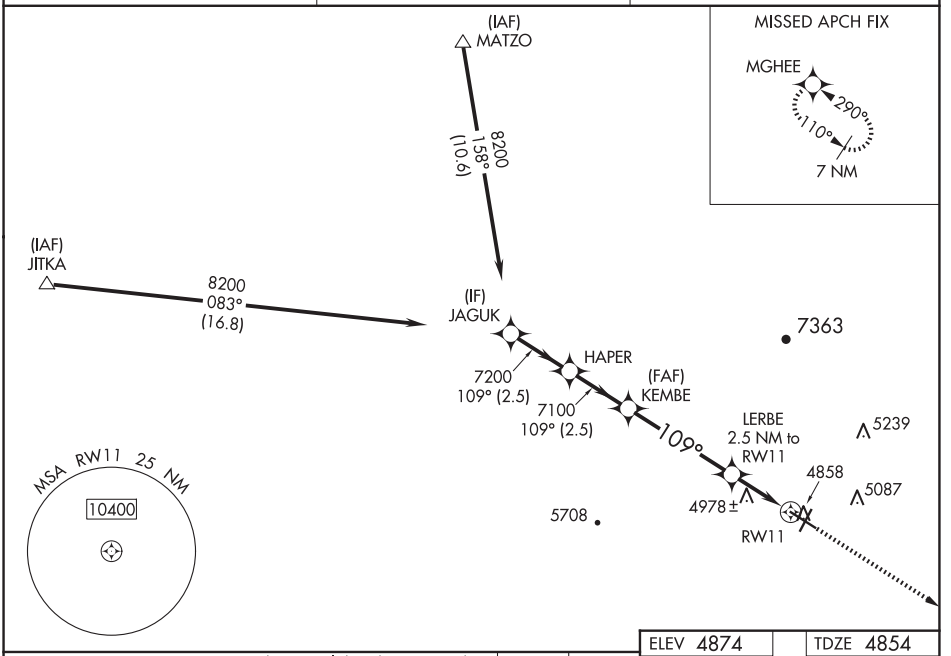
COLORADO CITY MUNI (AZC)

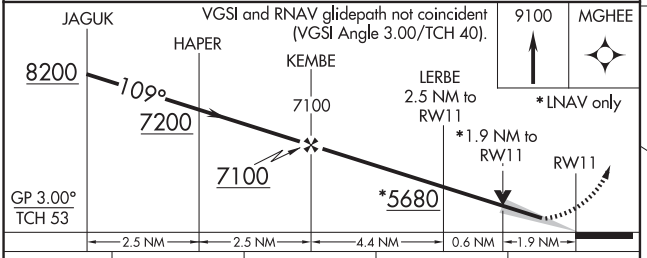
WAAS	APP CRS	Rwy Idg	6300
CH 86440	109°	TDZE	4854
W11A		Apt Elev	4874

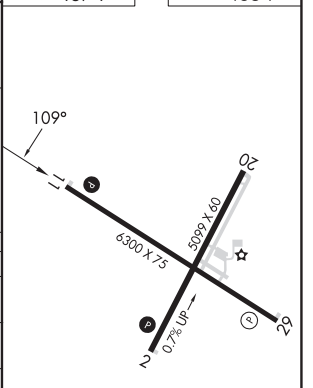
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C (-11°F) or above 51°C (125°F). Circling NA for Cat D north of Rwy 11-29. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 9100 direct MGHEE and hold, continue climb-in-hold to 9100.
#Missed approach requires minimum climb of 240 feet per NM to 7500.

AWOS-3PT	LOS ANGELES CENTER	UNICOM
118.375	124.2 343.6	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA#	5104-1 250 (300-1)			
LPV DA	5297-1½ 443 (500-1½)			
LNAV/VNAV DA	5463-2½ 609 (600-2½)			
LNAV MDA	5500-1 646 (700-1)		5500-1⅞ 646 (700-1⅞)	
C CIRCLING	5500-1 626 (700-1)	5520-1 646 (700-1)	6880-3 2006 (2100-3)	

REIL Rwy 11 L
REIL Rwy 29
MIRL Rwys 11-29 and 2-20 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	6300
CH 72740	290°	TDZE	4855
W29A		Apt Elev	4874

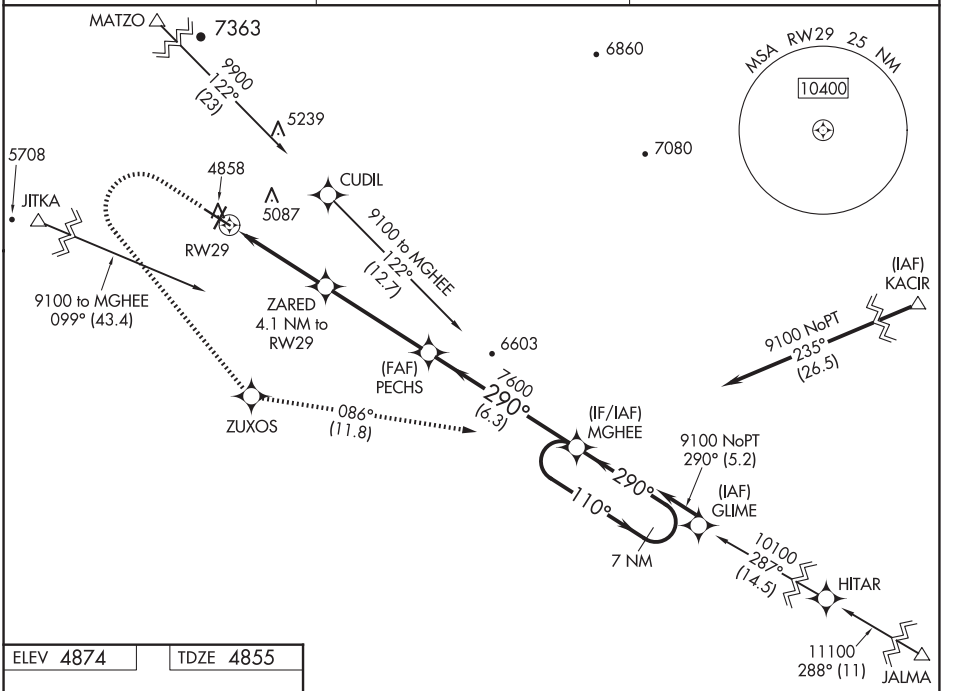
RNAV (GPS) RWY 29
COLORADO CITY MUNI (AZC)

RNP APCH.

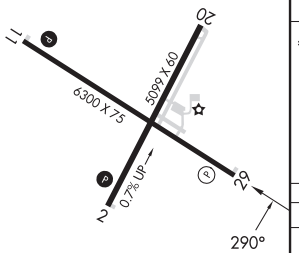
Baro-VNAV NA. Circling NA for Cat D north of Rwy 11-29.

MISSED APPROACH: Climb to 6600 then climbing left turn to 9100 direct ZUXOS and track 086° to MGHEE and hold.

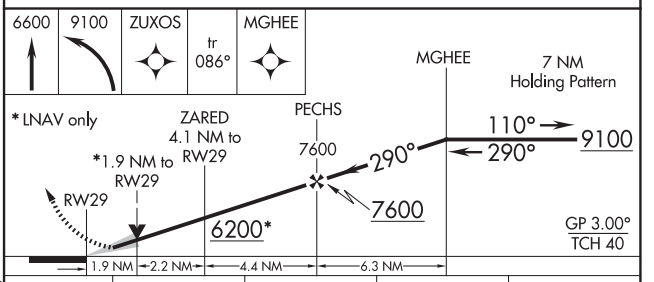
AWOS-3PT	LOS ANGELES CENTER	UNICOM
118.375	124.2 343.6	122.7 (CTAF) L



ELEV 4874	TDZE 4855



REIL Rwy 11 L
REIL Rwy 29
MIRL Rwys 11-29 and 2-20 L



CATEGORY	A	B	C	D
LPV DA	5105-1 250 (300-1)			
LNAV/VNAV DA	5157-1 302 (300-1)			
LNAV MDA	5500-1 645 (700-1)		5500-1⅞ 645 (700-1⅞)	
C CIRCLING	5500-1 626 (700-1)	5520-1 646 (700-1)	6880-3 2006 (2100-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(NORRA1.NORRA) 24025 AL-9194 (FAA)

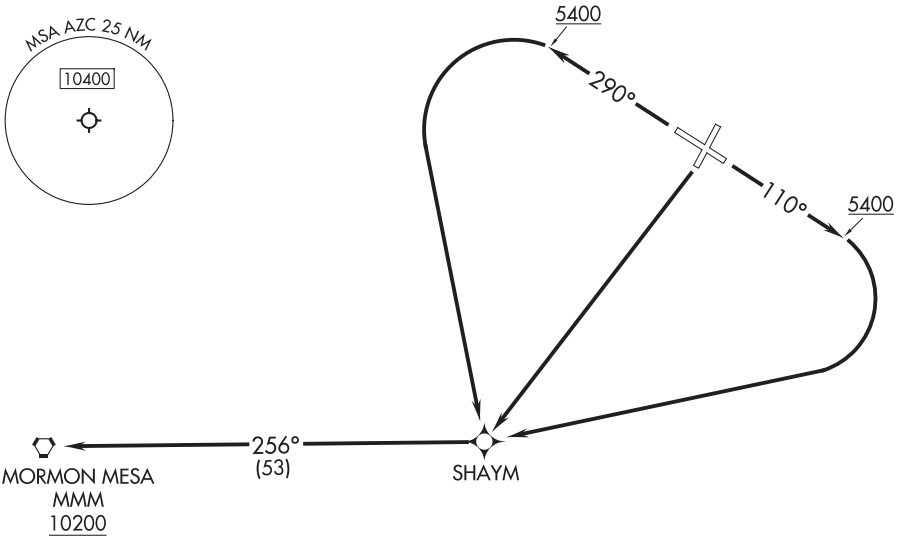
NORRA ONE DEPARTURE (OBSTACLE) (RNAV)

COLORADO CITY MUNI (AZC)
COLORADO CITY, ARIZONA

RNAV 1 - GPS.

LOS ANGELES CENTER
124.2 343.6
AWOS-3PT
118.375
CTAF
122.7

TAKEOFF MINIMUMS
Rwy 2: NA - Obstacles.
Rwy 11: Standard.
Rwy 20: Standard with minimum climb of 240′ per NM to 5600.
Rwy 29: Standard with minimum climb of 210′ per NM to 5900.



TAKEOFF OBSTACLE NOTES
Rwy 11: Vegetation, trees beginning 16′ from DER, 213′ left of centerline, up to 4861′ MSL.
Rwy 20: Tree 27′ from DER, 275′ left of centerline, 4843′ MSL.
Vegetation 45′ from DER, 26′ right of centerline, 4843′ MSL.
Vehicles on road beginning 67′ from DER, 389′ left of centerline, up to 4853′ MSL.
Tree 1.8 NM from DER, 2971′ right of centerline, 5118′ MSL.
Rwy 29: Sign, tree beginning 15′ from DER, 123′ right of centerline, up to 5′ AGL/4850′ MSL.
Vegetation 60′ from DER, 46′ left of centerline, 4849′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: NA - Obstacles.

TAKEOFF RUNWAY 11: Climb on heading 110° to 5400, then right turn direct SHAYM, thence. . . .

TAKEOFF RUNWAY 20: Climb direct SHAYM, thence. . . .

TAKEOFF RUNWAY 29: Climb on heading 290° to 5400, then left turn direct SHAYM, thence. . . .

. . . .on track 256° to MMM VORTAC. Cross MMM VORTAC at or above 10200 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS CH **78044** **W23A**	APP CRS **228°**	Rwy Ldg **5564** TDZE **1576** Apt Elev **1576**

RNAV (GPS) RWY 23

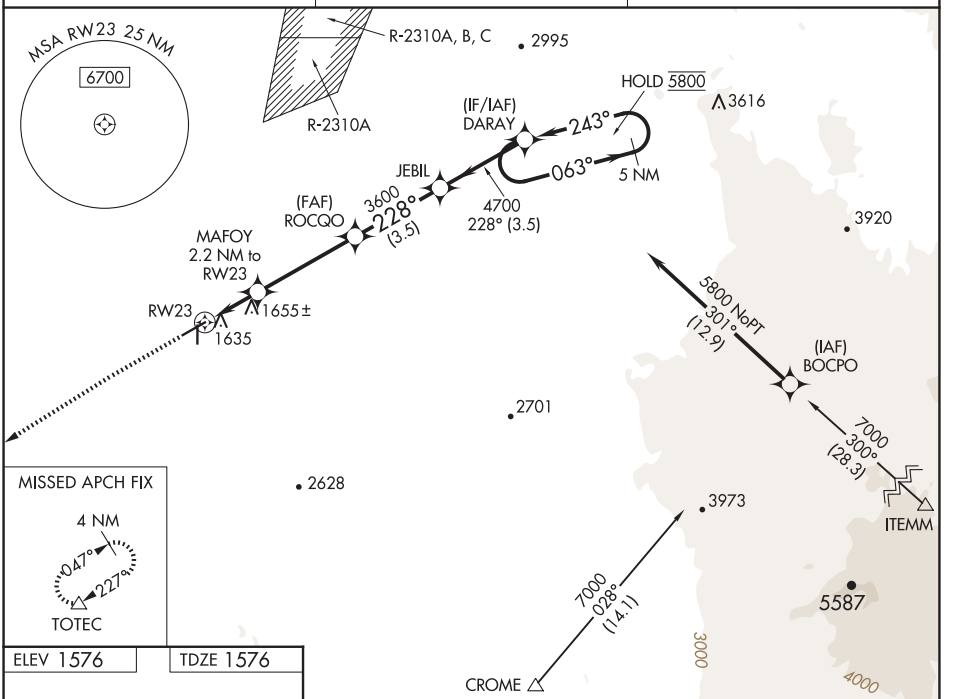
COOLIDGE MUNI (PØ8)

RNP APCH-GPS.

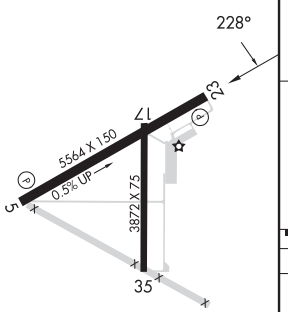
Circling Rwy 17, 35 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C or above 54°C.

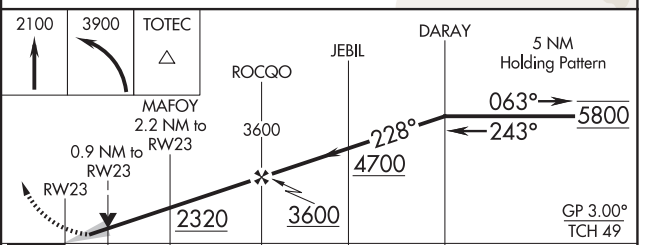
MISSED APPROACH: Climb to 2100 then climbing left turn to 3900 direct TOTEC and hold.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.35	**125.4 269.3**	**123.075** (CTAF) L



ELEV 1576 TDZ 1576





CATEGORY	A	B	C	D
LPV DA	1826-¾ 250 (300-¾)		NA	
LNAV/VNAV DA	1826-¾ 250 (300-¾)		NA	
LNAV MDA	1920-1 344 (400-1)		NA	
C CIRCLING	2100-1 524 (600-1)		NA	

REIL Rwys 5 and 23
MIRL Rwys 5-23 and 17-35 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

COOLIDGE, ARIZONA | AL-9213 (FAA) | 25163

VORTAC TFD 114.8 Chan 95	APP CRS 071°	Rwy Ldg 5564 TDZE 1564 Apt Elev 1576

VOR RWY 5

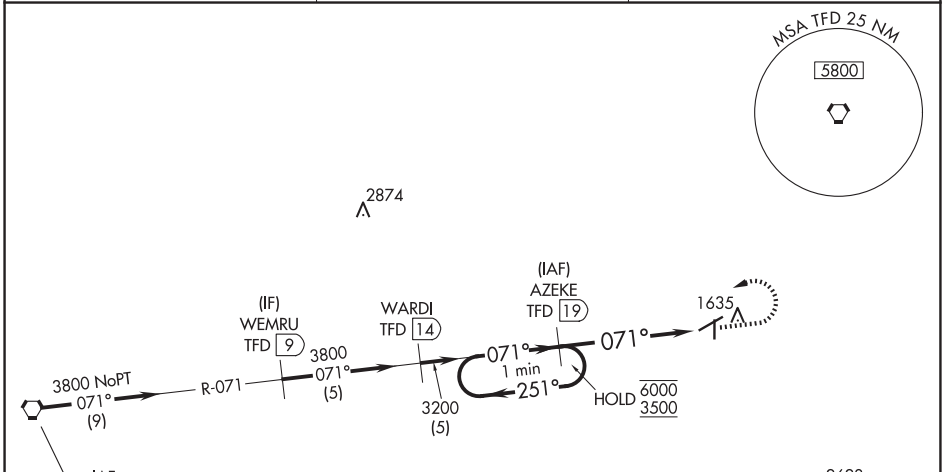
COOLIDGE MUNI (P08)

DME required.

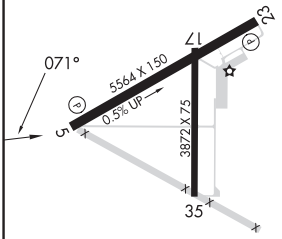
Circling Rwy 17-35 NA at night.

MISSED APPROACH: Climb to 2300 then climbing left turn to 3500 on TFD VORTAC R-071 to AZEKE/19 DME and hold.

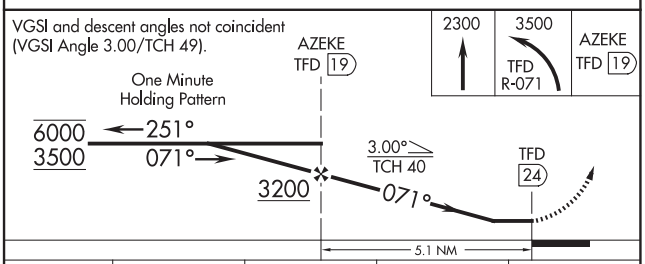
AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.350	125.4 269.3	123.075 (CTAF) L



ELEV 1576 | TDZE 1564



REIL Rwys 5 and 23
MIRL Rwys 5-23 and 17-35 L



CATEGORY	A	B	C	D
S-5	2200-1 636 (700-1)		NA	
C CIRCLING	2200-1 624 (700-1)		NA	

COOLIDGE, ARIZONA
Amdt 1A 27JAN22

32°56'N-111°26'W

COOLIDGE MUNI (P08)
VOR RWY 5

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 32

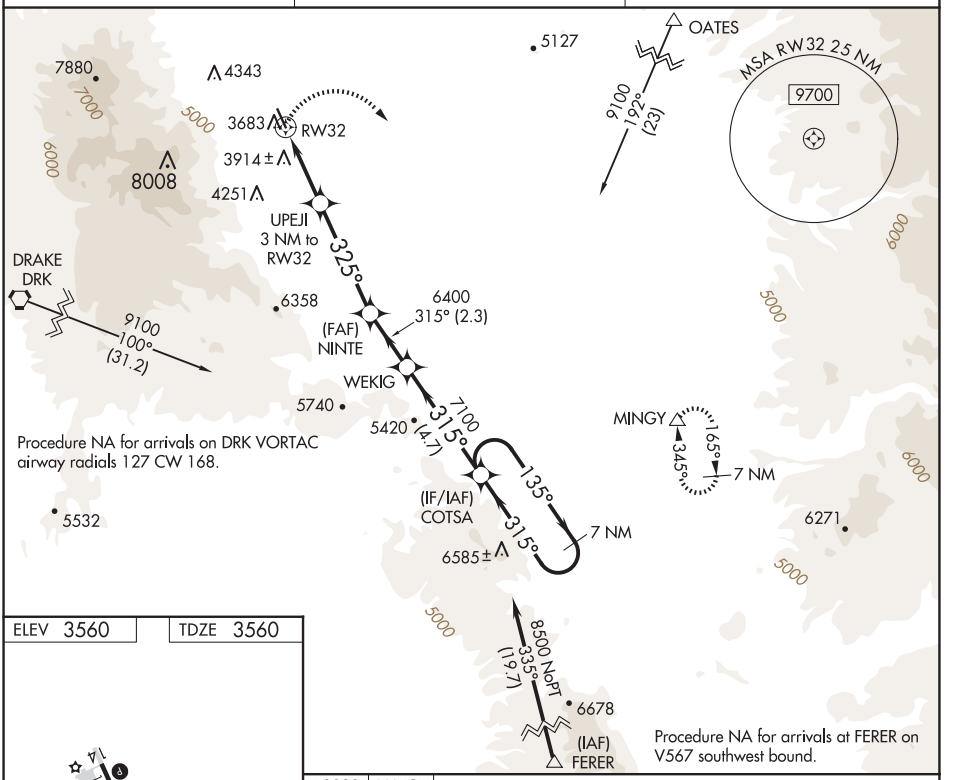
COTTONWOOD (P52)

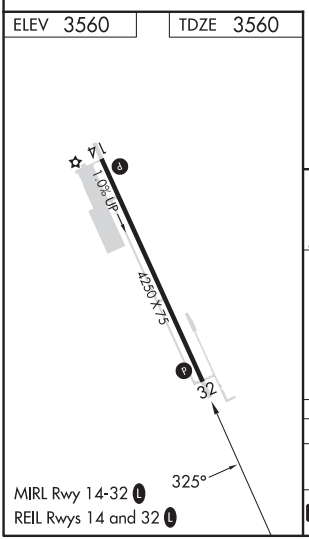
APP CRS		
325°	Rwy Ldg	4250
	TDZE	3560
	Apt Elev	3560

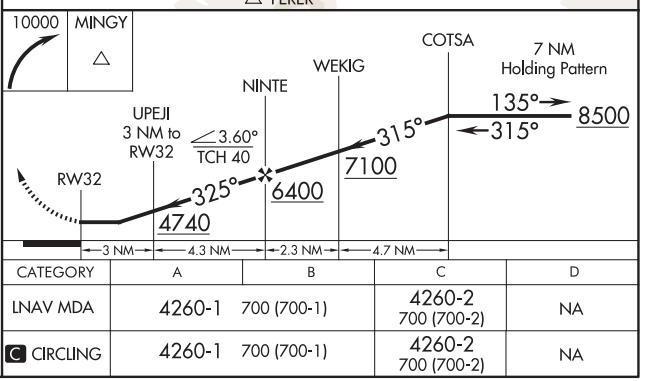
T NA Circling NA southwest of Rwy 14-32. DME/DME RNP-0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Sedona altimeter setting and increase all MDA 200 feet, increase LNAV and Circling Cat A/B visibility ¼ mile, LNAV Cat C visibility ½ mile, Circling Cat C visibility ¾ mile.

MISSED APPROACH: Climbing right turn to 10000 direct MINGY and hold, continue climb-in-hold to 10000.

AWOS-3	PHOENIX APP CON	UNICOM
119.925	126.375 236.775	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	4260-1	700 (700-1)	4260-2 700 (700-2)	NA
C CIRCLING	4260-1	700 (700-1)	4260-2 700 (700-2)	NA

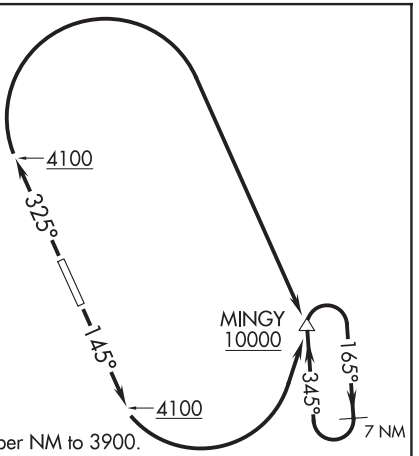
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(MINGY1.MINGY) 23054 AL-9872 (FAA)

MINGY ONE DEPARTURE (OBSTACLE) (RNAV)

COTTONWOOD (P52)
COTTONWOOD, ARIZONA

PHOENIX DEP CON
126.375 236.775
AWOS-3
119.925
CTAF
122.7



NOTE: RNAV-1.
NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 14: 300-1½ or standard with minimum climb of 225′ per NM to 3900.
Rwy 32: Standard with minimum climb of 310′ per NM to 6000.

TAKEOFF OBSTACLE NOTES

Rwy 14: Utility 11′ from DER, 113′ left of centerline, 5′ AGL/3563′ MSL.
Vehicles on road beginning 14′ from DER, left to right of centerline, up to 15′ AGL/3588′ MSL.
Tree 157′ from DER, 82′ right of centerline, 11′ AGL/3572′ MSL.
Trees beginning 172′ from DER, 80′ right of centerline, up to 17′ AGL/3588′ MSL.
Trees and building beginning 184′ from DER, 138′ left of centerline, up to 32′ AGL/3581′ MSL.
Trees beginning 272′ from DER, 81′ right of centerline, up to 12′ AGL/3592′ MSL.
Buildings beginning 377′ from DER, 287′ left of centerline, up to 32′ AGL/3578′ MSL.
Trees beginning 403′ from DER, 73′ right of centerline, up to 23′ AGL/3596′ MSL.
Trees and fences beginning 538′ from DER, 150′ right of centerline, up to 20′ AGL/3600′ MSL.
Trees, buildings and tank beginning 995′ from DER, 307′ right of centerline, up to 20′ AGL/3618′ MSL.
Trees and buildings beginning 1277′ from DER, 6′ right of centerline, up to 54′ AGL/3631′ MSL.
Tree 1791′ from DER, 105′ left of centerline, 42′ AGL/3605′ MSL.
Trees beginning 1807′ from DER, 8′ right of centerline, up to 59′ AGL/3638′ MSL.
Trees beginning 2636′ from DER, 689′ right of centerline, up to 65′ AGL/3645′ MSL.
Trees beginning 3296′ from DER, 1298′ right of centerline, up to 75′ AGL/3770′ MSL.
Tree 1.3 NM from DER, 2071′ right of centerline, 39′ AGL/3759′ MSL.
Rwy 32: Utility box 10′ from DER, 75′ right of centerline, 4′ AGL/3522′ MSL.
Buildings and fence beginning 37′ from DER, 167′ left of centerline, up to 17′ AGL/3543′ MSL.
Tree 54′ from DER, 501′ right of centerline, 39′ AGL/3544′ MSL.
Trees, pole and building beginning 74′ from DER, 253′ right of centerline, up to 46′ AGL/3551′ MSL.
Tower, poles, trees, fences and vehicles on road beginning 128′ from DER, 168′ left of centerline, up to 67′ AGL/3597′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 14: Climb heading 145° to 4100, then climbing left turn direct MINGY, thence . . .
TAKEOFF RUNWAY 32: Climb heading 325° to 4100, then climbing right turn direct MINGY, thence . . .
. . . continue climb in MINGY holding pattern to cross MINGY at or above 10000 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA

ILS or LOC Y RWY 13

LOC I-AFB	APCH CRS	Rwy Idg 13,645 TDZE 2615 Arpt Elev 2704
109.3	128°	

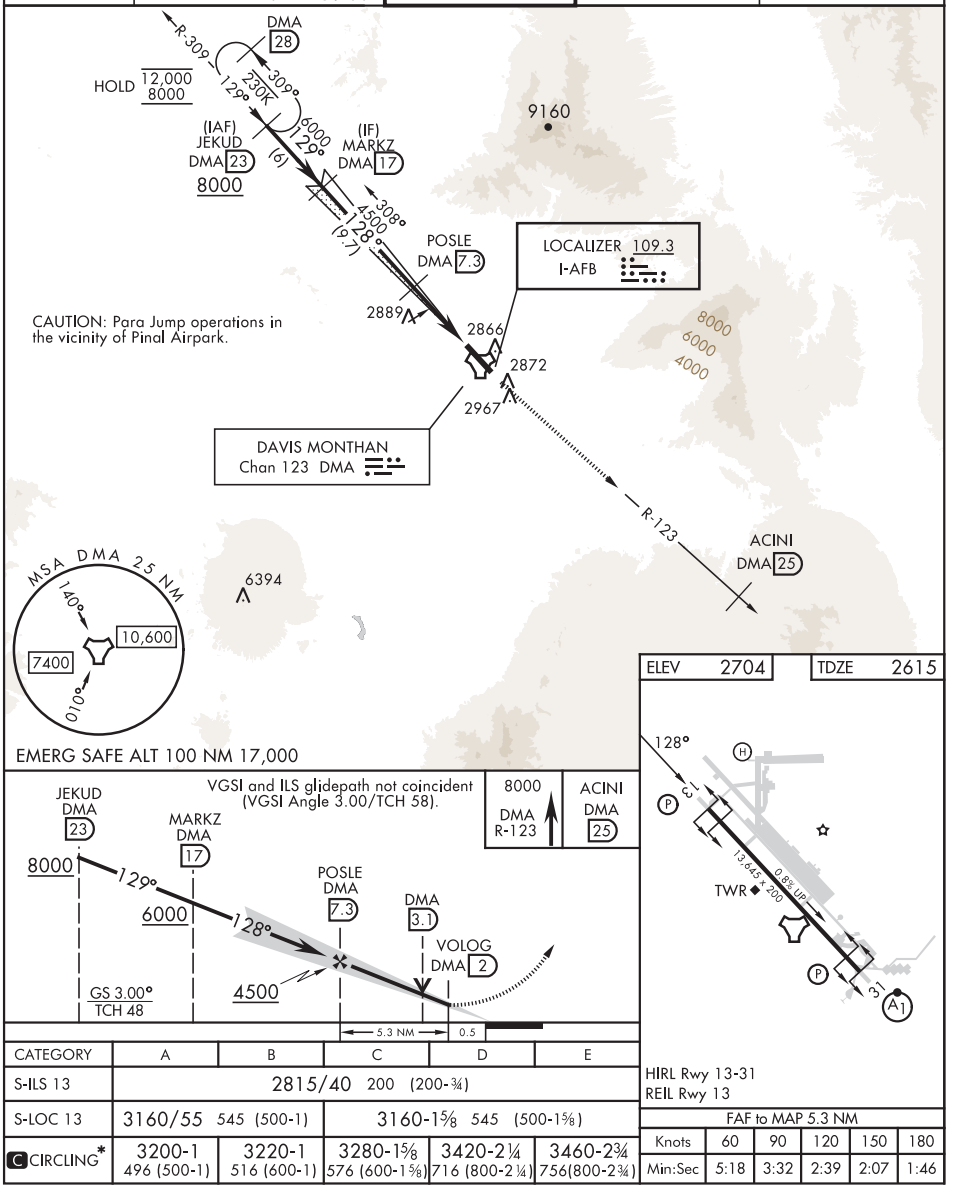
[USAF] DAVIS-MONTHAN AFB (KDMA)

DME or RADAR required

▼ *Circling not authorized SW of Rwy 13-31.

MISSED APPROACH: Climbing to 8000 intercept DMA TACAN R-123 to ACINI. Expect RADAR vectors.

ATIS★	TUCSON APP CON	TOWER	GND CON	CLNC DEL
132.3 270.1	066°-274° 119.4 318.1 275°-065° 125.1 269.55	118.85 253.5	121.8 275.8	121.8 275.8



CATEGORY	A	B	C	D	E
S-ILS 13	2815/40 200 (200-¾)				
S-LOC 13	3160/55 545 (500-1)		3160-1⅝ 545 (500-1⅝)		
CIRCLING*	3200-1 496 (500-1)	3220-1 516 (600-1)	3280-1⅝ 576 (600-1⅝)	3420-2¼ 716 (800-2¼)	3460-2¾ 756(800-2¾)

HIRL Rwy 13-31
REIL Rwy 13

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

TUCSON, ARIZONA 32°10'N-110°53'W DAVIS-MONTHAN AFB (KDMA)

Orig 31OCT24

ILS or LOC Y RWY 13

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA

ILS or LOC Y RWY 31

DAVIS-MONTHAN AFB (KDMA)

LOC I-DMA	APCH CRS	Rwy Idg / TDZE / Arpt Elev
109.3	308°	13,645 / 2704 / 2704

[USAF]

DME or RADAR required

▼ * When ALS inop, increase RVR to 40, vis to ¾ mile.

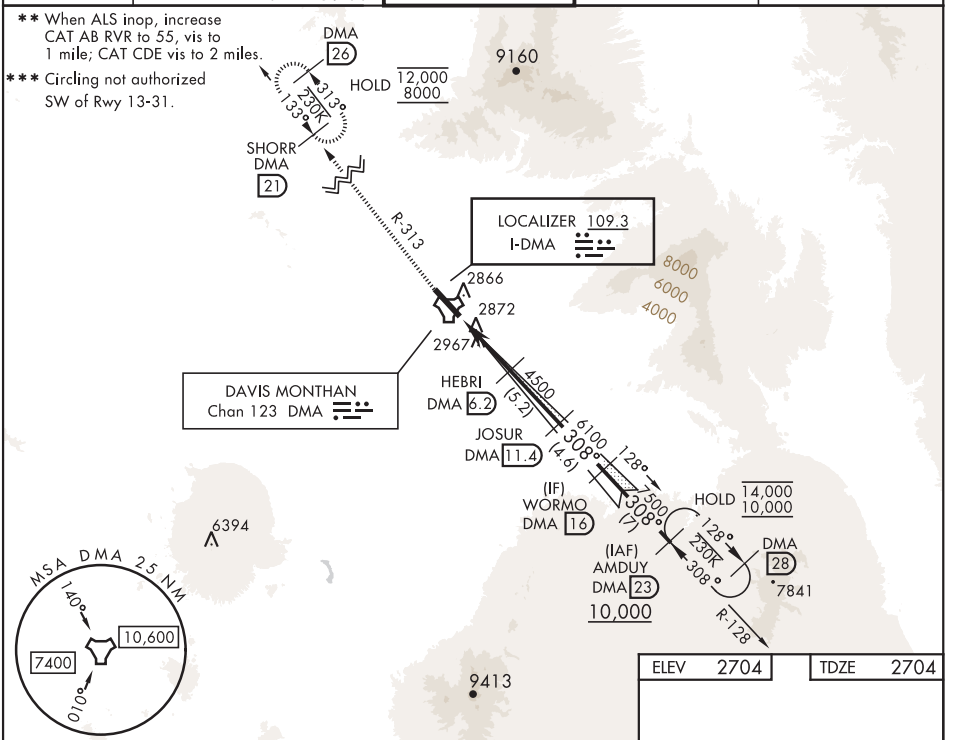
ALSF-1

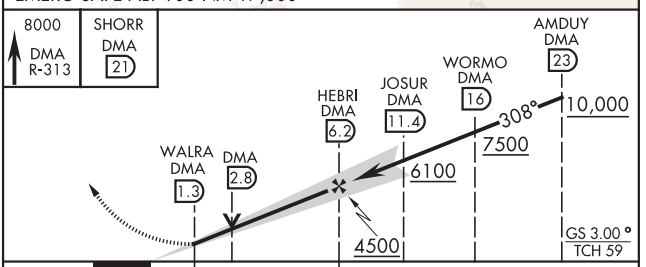
MISSED APPROACH: Climb to 8000, intercept DMA TACAN R-313 to SHORR and hold, continue climb-in-hold to 8000.

ATIS★	TUCSON APP CON	TOWER	GND CON	CLNC DEL
132.3 270.1	066°-274° 119.4 318.1 275°-065° 125.1 269.55	118.85 253.5	121.8 275.8	121.8 275.8

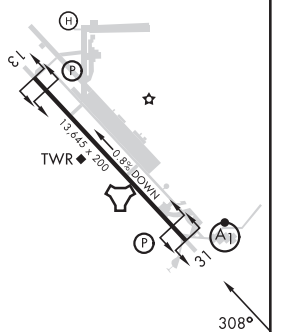
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile; CAT CDE vis to 2 miles.

*** Circling not authorized SW of Rwy 13-31.





ELEV 2704 TDZE 2704



HIRL Rwy 13-31
REIL Rwy 13

CATEGORY	A	B	C	D	E
S-ILS 31 *	2904/24 200 (200-½)				
S-LOC 31**	3400/24 696 (700-½)		3400-1½ 696 (700-1½)		
CIRCLING ***	3400-1 696 (700-1)		3400-2 696 (700-2)	3420-2¼ 716 (800-2¼)	3460-2¾ 756(800-2¾)

FAF to MAP 4.9 NM

Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

TUCSON, ARIZONA 32°10'N-110°53'W DAVIS-MONTHAN AFB (KDMA)

Orig 31OCT24

ILS or LOC Y RWY 31

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA

RNAV (GPS) RWY 13

WAAS CH 66933 W13A	APCH CRS 128°	Rwy ldg 13,645 TDZE 2615 Arpt Elev 2704

- (USAF)

DAVIS MONTHAN AFB (KDMA)

RNP APCH

RADAR required

T * Circling not authorized SW of RWY 13-31.

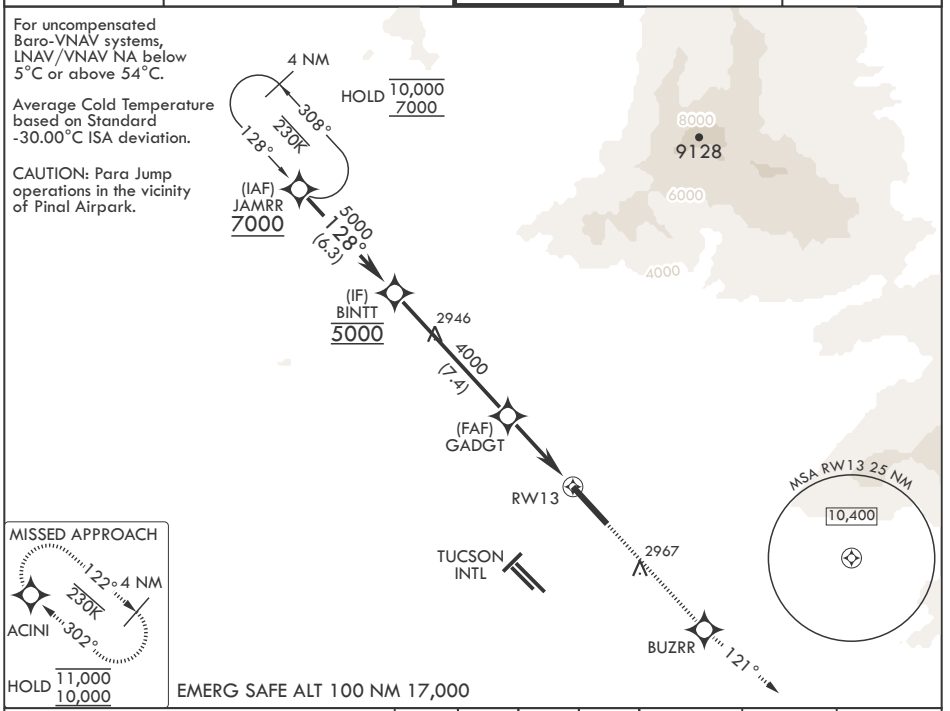
MISSED APPROACH: Climb to 10,000 direct BUZRR, track 121° to ACINI and hold, continue climb-in-hold to 10,000.

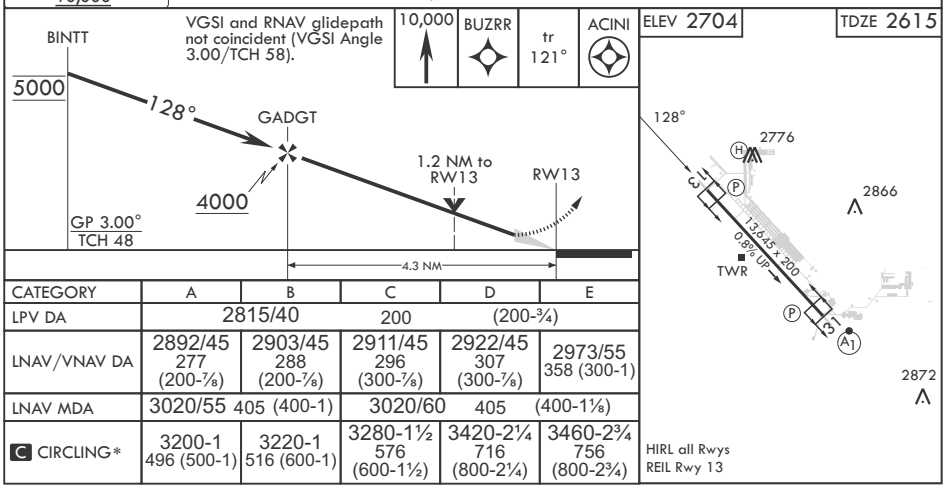
ATIS★	TUCSON APP CON/DEP CON	TOWER	GND CON	CLNC DEL
132.3 270.1	119.4 269.55	118.85 253.5	121.8 275.8	121.8 275.8

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 5°C or above 54°C.

Average Cold Temperature based on Standard -30.00°C ISA deviation.

CAUTION: Para Jump operations in the vicinity of Pinal Airpark.





CATEGORY	A	B	C	D	E
LPV DA	2815/40		200	(200-¾)	
LNAV/VNAV DA	2892/45 277 (200-⅞)	2903/45 288 (200-⅞)	2911/45 296 (300-⅞)	2922/45 307 (300-⅞)	2973/55 358 (300-1)
LNAV MDA	3020/55	405 (400-1)	3020/60	405	(400-1⅛)
C CIRCLING*	3200-1 496 (500-1)	3220-1 516 (600-1)	3280-1½ 576 (600-1½)	3420-2¼ 716 (800-2¼)	3460-2¾ 756 (800-2¾)

HIRL all Rwys
REIL Rwy 13

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA

Orig 28NOV24

32°10'N - 110°53'W

DAVIS MONTHAN AFB (KDMA)

RNAV (GPS) RWY 13

24333

TUCSON, ARIZONA

RNAV (GPS) RWY 31

DAVIS MONTHAN AFB (KDMA)

WAAS CH 71267 W31A	APCH CRS 308°	Rwy ldg 13,645 TDZE 2704 Arpt Elev 2704	- (USAF)

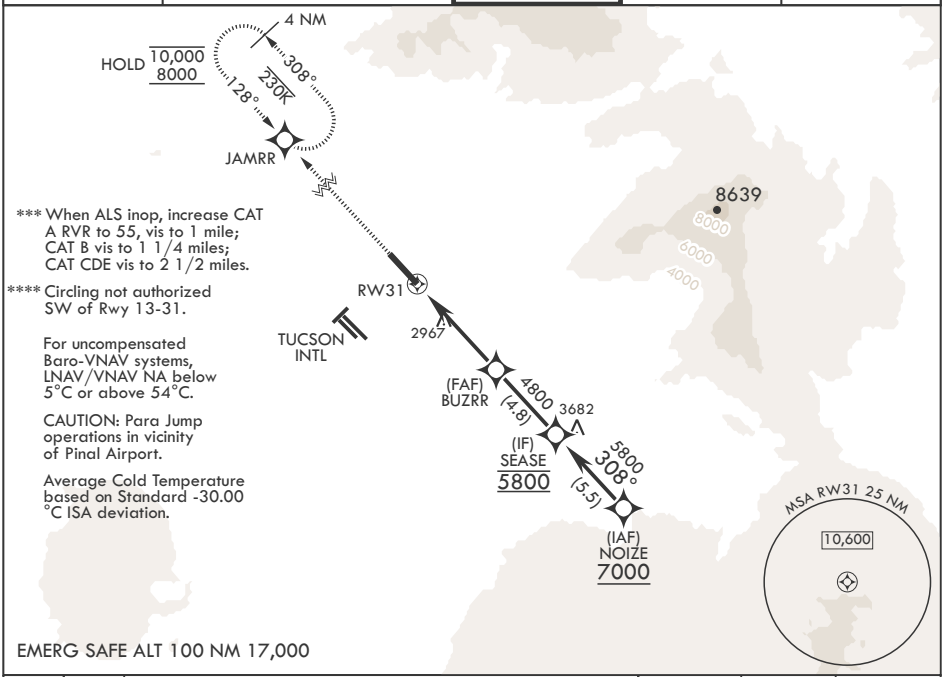
RNP APCH

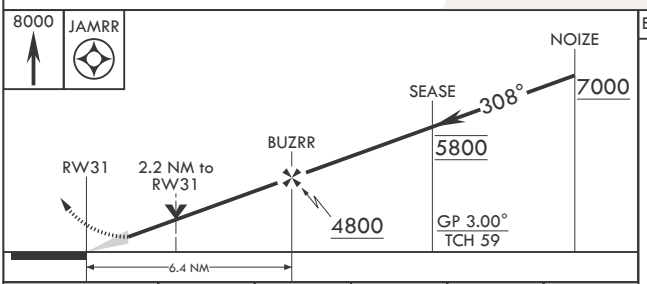
* When ALS inop, increase vis to 1 3/8 miles.
** When ALS inop, increase RVR to 45, vis to 7/8 mile.

ALSF-1

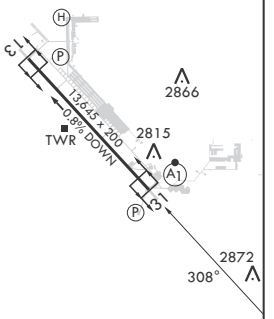
MISSED APPROACH: Climb to 8000 direct JAMRR and hold, continue climb-in-hold to 8000.

ATIS★	TUCSON APP CON/DEP CON	TOWER	GND CON	CLNC DEL
132.3 270.1	119.4 269.55	118.85 253.5	121.8 275.8	121.8 275.8





ELEV 2704 TDZE 2704



CATEGORY	A	B	C	D	E
LPV DA*	3168/50		464	(500-1)	
LNAV/VNAV DA**	2966/24 262 (300-½)	2977/24 273 (300-½)	2985/24 281 (300-½)	2996/24 292 (300-½)	
LNAV MDA***	3480/24 776 (800-½)	3480/40 776 (800-¾)	3480-1¾ 776 (800-1¾)		
C CIRCLING****	3480-1 776 (800-1)	3480-1¼ 776 (800-1¼)	3480-2½ 776 (800-2½)		3480-2¾ 776 (800-2¾)

HIRL all Rwys
REIL Rwy 13

TUCSON, ARIZONA

Orig 28NOV24

32°10'N - 110°53'W

DAVIS MONTHAN AFB (KDMA)

RNAV (GPS) RWY 31

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA

TACAN Y RWY 13

DAVIS-MONTHAN AFB (KDMA)

TACAN	DMA	APCH CRS	Rwy Idg	13,645
Chan	123	133°	TDZE	2615
			Arpt Elev	2704

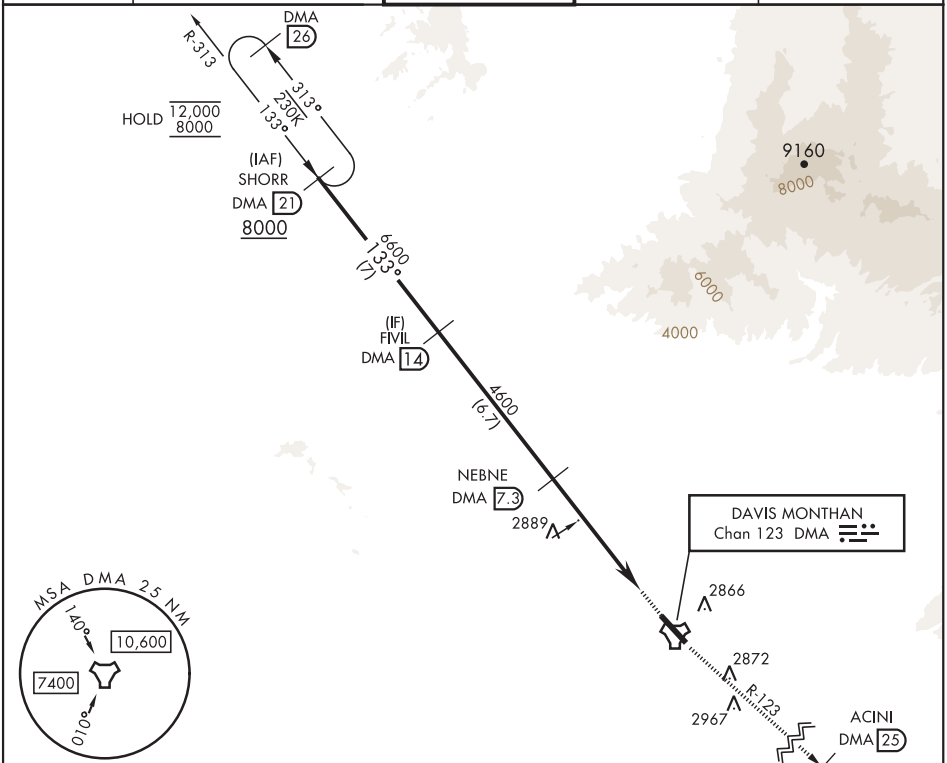
[USAF]

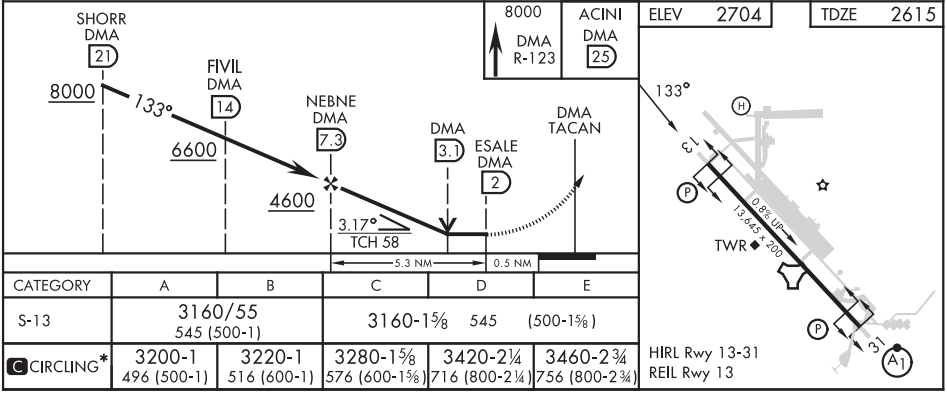
RNAV or RADAR required.

* Circling not authorized SW of Rwy 13-31.

MISSED APPROACH: Climb to 8000 intercept DMA TACAN R-123 to ACINI. Expect RADAR vectors.

ATIS★	TUCSON APP CON	TOWER	GND CON	CLNC DEL
132.3 270.1	066°-274° 119.4 318.1 275°-065° 125.1 269.55	118.85 253.5	121.8 275.8	121.8 275.8





CATEGORY	A	B	C	D	E
S-13	3160/55 545 (500-1)		3160-1⅝ 545 (500-1⅝)		
CIRCLING*	3200-1 496 (500-1)	3220-1 516 (600-1)	3280-1⅝ 576 (600-1⅝)	3420-2¼ 716 (800-2¼)	3460-2¾ 756 (800-2¾)

TUCSON, ARIZONA

32°10'N-110°53'W

DAVIS-MONTHAN AFB (KDMA)

Orig 28NOV24

TACAN Y RWY 13

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA

TACAN Y RWY 31

DAVIS-MONTHAN AFB (KDMA)

TACAN DMA Chan 123	APCH CRS 302°	Rwy ldg 13,645 TDZE 2704 Arpt Elev 2704

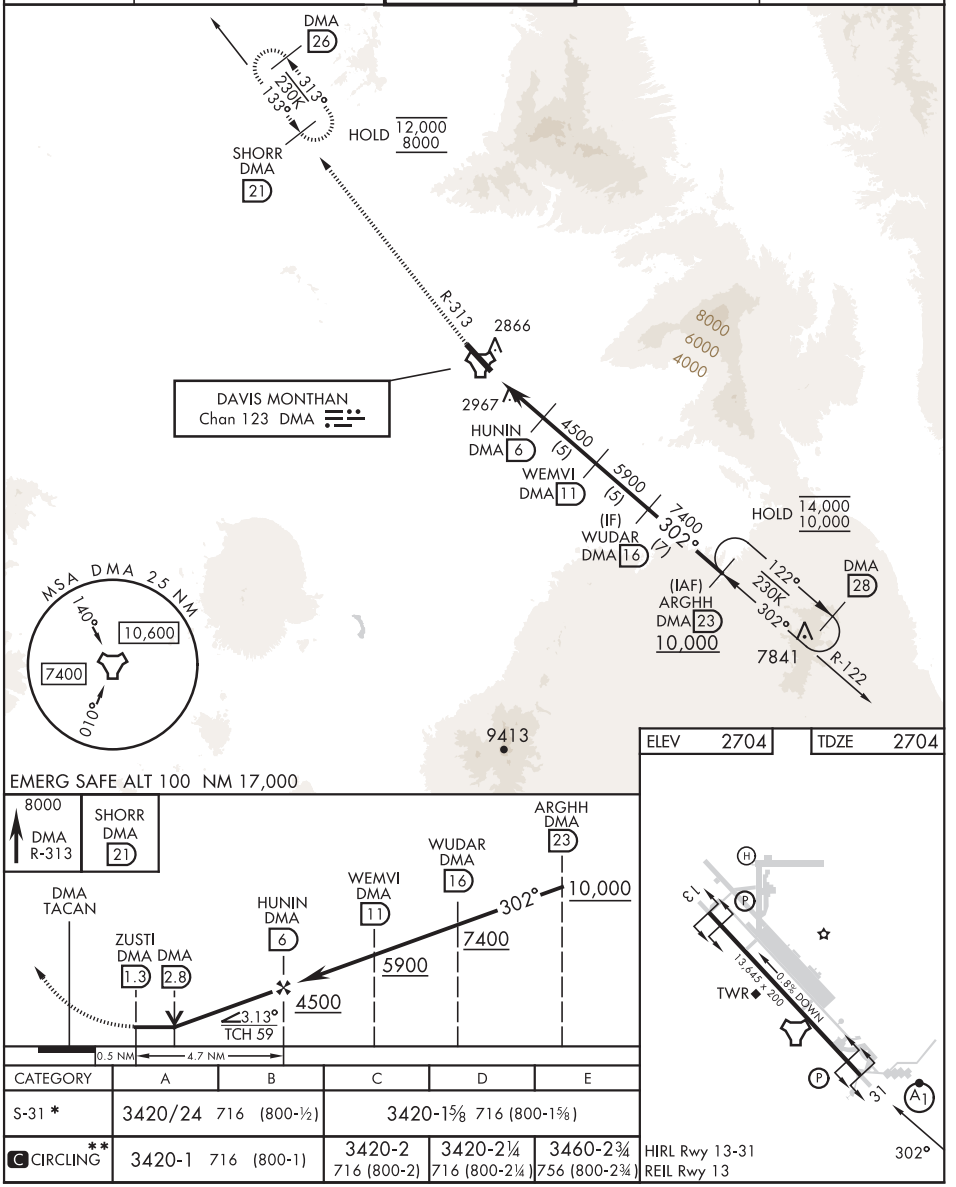
[USAF]

* When ALS inop, increase CAT AB RVR to 55 vis to 1 mile; CAT CDE vis to 2 miles.
** Circling not authorized SW of Rwy 13-31.

ALSF-1

MISSED APPROACH: Climb to 8000, intercept DMA TACAN R-313 to SHORR and hold, continue climb-in-hold to 8000.

ATIS★	TUCSON APP CON	TOWER	GND CON	CLNC DEL
132.3 270.1	066°-274° 119.4 318.1 275°-065° 125.1 269.55	118.85 253.5	121.8 275.8	121.8 275.8



ELEV 2704 TDZE 2704

CATEGORY	A	B	C	D	E
S-31 *	3420/24 716 (800-½)		3420-1⅝ 716 (800-1⅝)		
C CIRCLING **	3420-1 716 (800-1)		3420-2 716 (800-2)	3420-2¼ 716 (800-2¼)	3460-2¾ 756 (800-2¾)

HIRL Rwy 13-31
REIL Rwy 13

TUCSON, ARIZONA

Orig 31OCT24

32°10'N-110°53'W

DAVIS-MONTHAN AFB (KDMA)

TACAN Y RWY 31

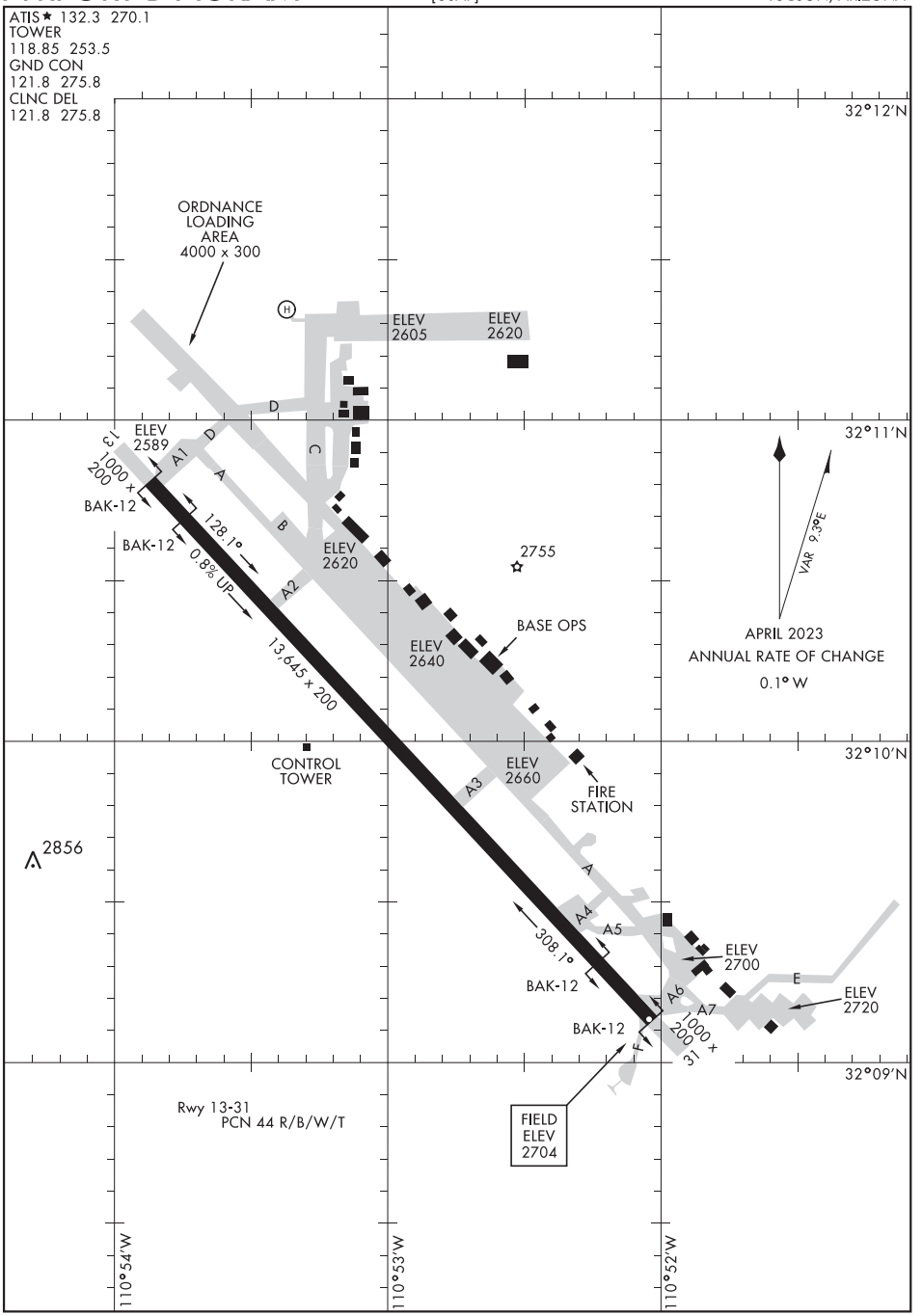
SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM

DAVIS-MONTHAN AFB (KDMA)

[USAF]

TUCSON, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM

TUCSON, ARIZONA

DAVIS-MONTHAN AFB (KDMA)

25107

DAVIS-MONTHAN AFB (KDMA)

BBALL TWO DEPARTURE (BBALL2.BBALL)

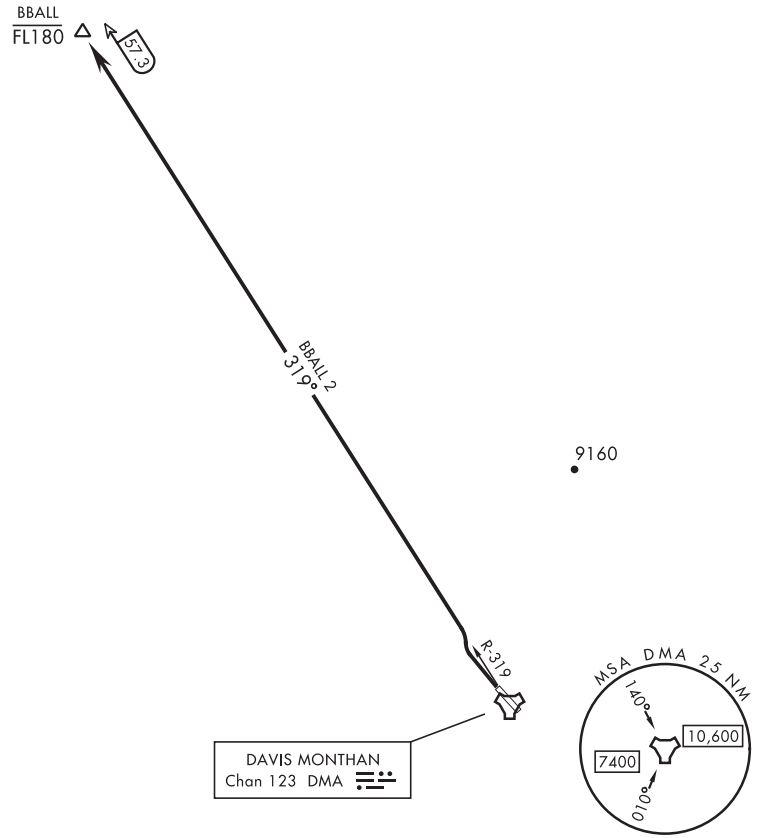
TUCSON, ARIZONA

DME required

ATIS ★ 132.3 270.1
CLNC DEL
121.8 275.8
GND CON
121.8 275.8
TOWER
118.85 253.5
TUCSON APP/DEP CON
119.4 269.55

[USAF]

During RADAR operations aircraft will receive RADAR vectors.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 31: Climbing right turn to intercept DMA TACAN R-319 outbound to BBALL (DMA R-319/57.3 DME) cross BBALL at or below FL180.

SW-4, 07 AUG 2025 to 02 OCT 2025

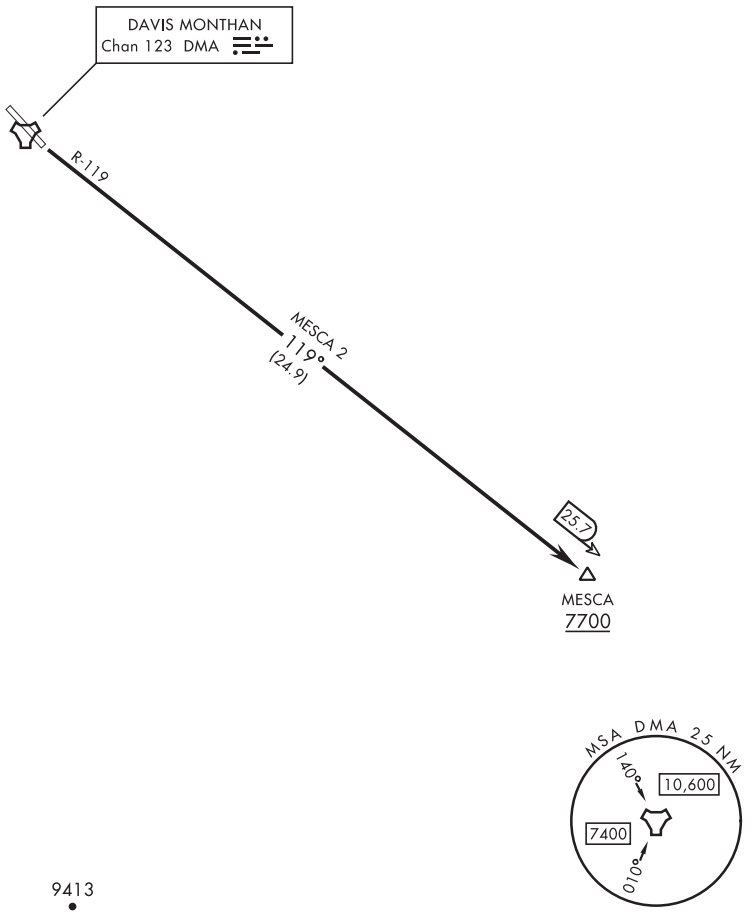
SW-4, 07 AUG 2025 to 02 OCT 2025

MESCA TWO DEPARTURE (MESCA2.MESCA)

DME required

ATIS ★ 132.3 270.1
CLNC DEL
121.8 275.8
GND CON
121.8 275.8
TOWER
118.85 253.5
TUCSON APP/DEP CON
119.4 269.55

During RADAR operations aircraft will receive RADAR vectors.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 13: Climb direct MESCA (DMA TACAN R-119/25.7 DME) on DMA R-119 and cross at or above 7700.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

DELTA, UTAH | AL-113 (FAA) | 25163

RNAV (GPS) RWY 17

DELTA MUNI (DTA)

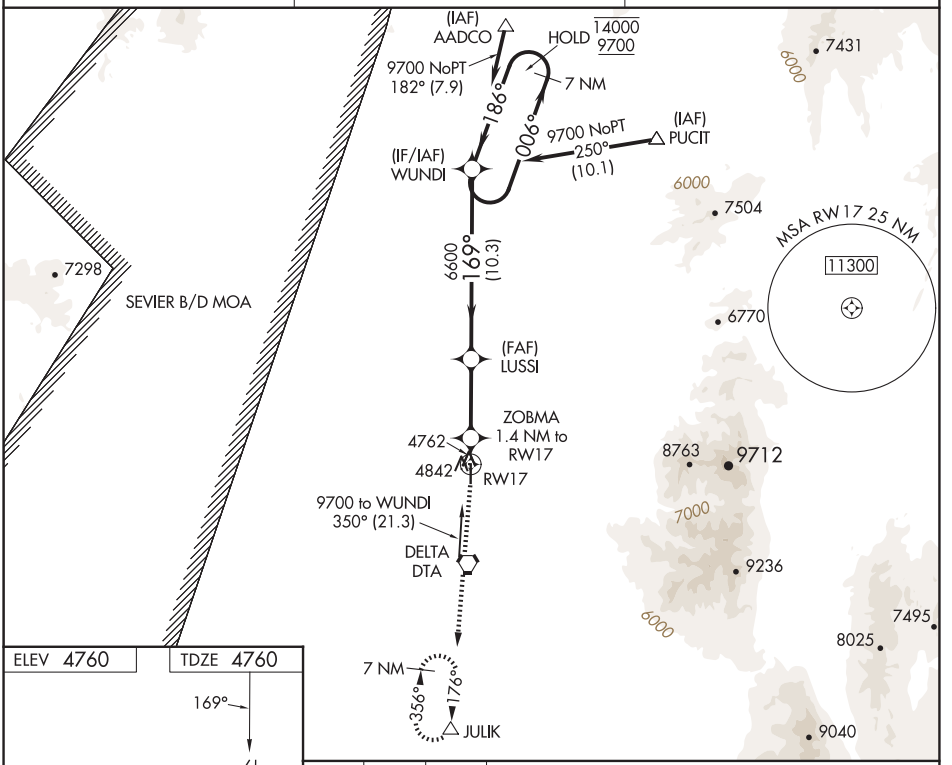
WAAS	APP CRS	Rwy Ldg	6065
CH 45724	169°	TDZE	4760
W17A		Apt Elev	4760

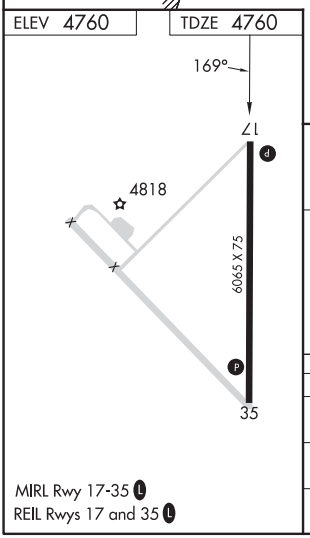
RNP APCH-GPS.

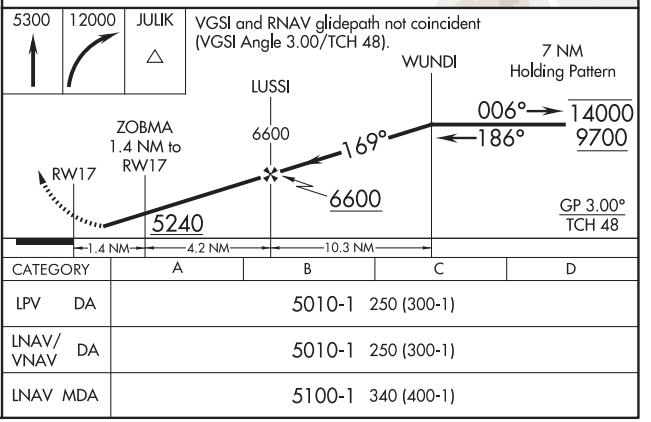
Rwy 17 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C or above 54°C.

MISSED APPROACH: Climb to 5300, then climbing right turn to 12000 direct JULIK and hold, continue climb-in-hold to 12000.

AWOS-3	SALT LAKE CENTER	UNICOM
127.75	127.825 239.025	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	5010-1 250 (300-1)			
LNAV/VNAV DA	5010-1 250 (300-1)			
LNAV MDA	5100-1 340 (400-1)			

DELTA, UTAH
Amdt 2 02DEC21

39°23'N-112°30'W

DELTA MUNI (DTA)

RNAV (GPS) RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 35

DELTA MUNI (DTA)

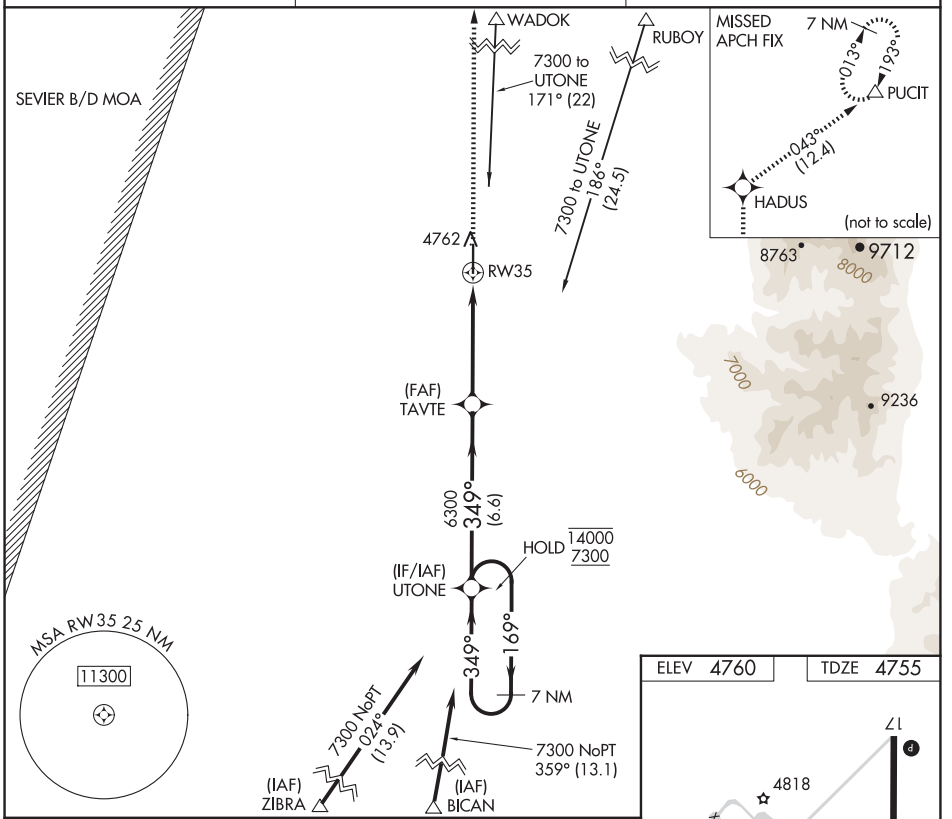
WAAS CH 61124 W35A	APP CRS 349°	Rwy Ldg 6065	TDZE 4755	Apt Elev 4760

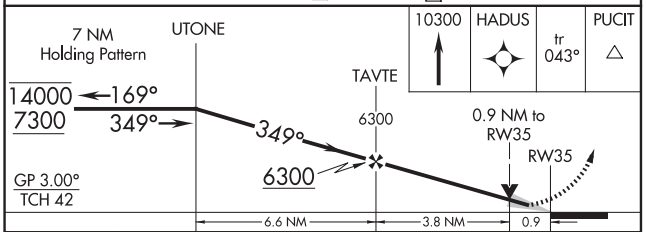
RNP APCH-GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C or above 54°C.

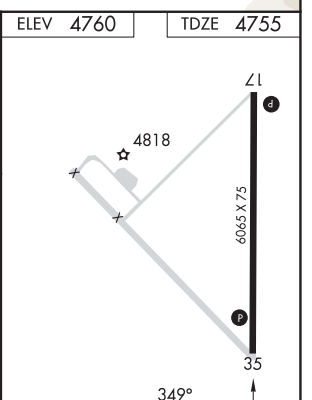
MISSED APPROACH: Climb to 10300 direct HADUS and on track 043° to PUCIT and hold.

AWOS-3	SALT LAKE CENTER	UNICOM
127.75	127.825 239.025	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA		4955-1	200 (200-1)	
LNAV/VNAV DA		5005-1	250 (300-1)	
LNAV MDA		5080-1	325 (400-1)	



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

DELTA, UTAH | AL-113 (FAA) | 25163

VOR/DME RWY 17

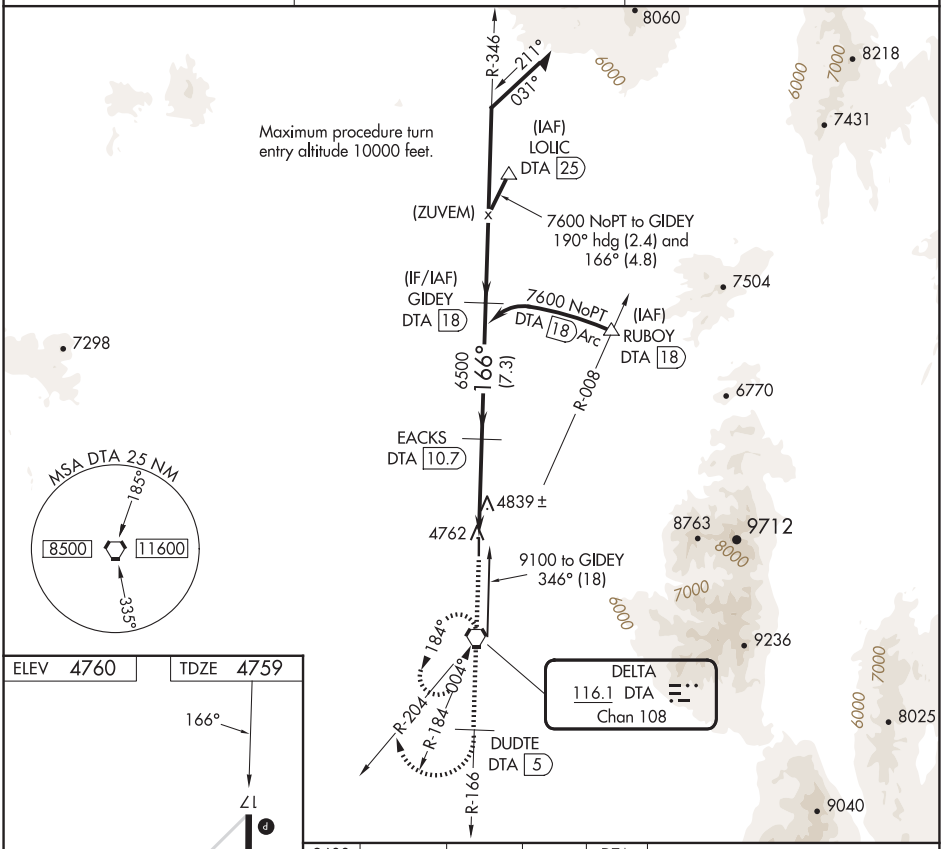
DELTA MUNI (DTA)

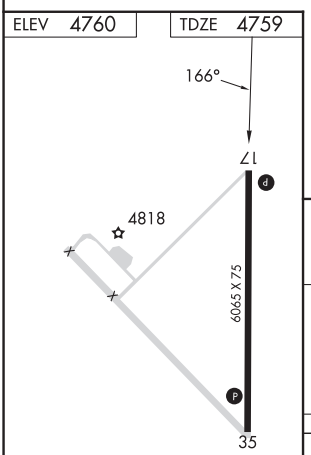
VORTAC DTA	APP CRS	Rwy Ldg	6065
116.1	166°	TDZE	4759
Chan 108		Apt Elev	4760

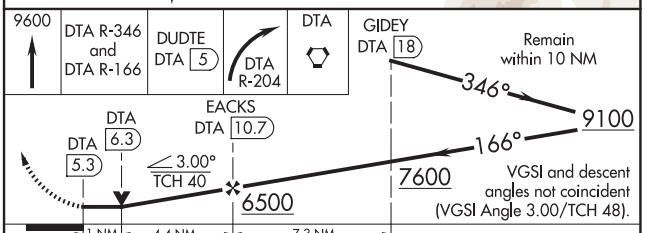
T NA — Helicopter visibility reduction below ¾ SM NA. If local altimeter setting not received, procedure NA.

MISSED APPROACH: Climb to 9600 via DTA VORTAC R-346 and R-166 to DUDTE/5 DME and climbing right turn via DTA VORTAC R-204 to DTA VORTAC and hold, continue climb-in-hold to 9600.

AWOS-3	SALT LAKE CENTER	UNICOM
127.75	127.825 239.025	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-17	5100-1 341 (400-1)			
CIRCLING	5160-1 400 (400-1)	5220-1 460 (500-1)	5220-1½ 460 (500-1½)	5320-2 560 (600-2)

MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

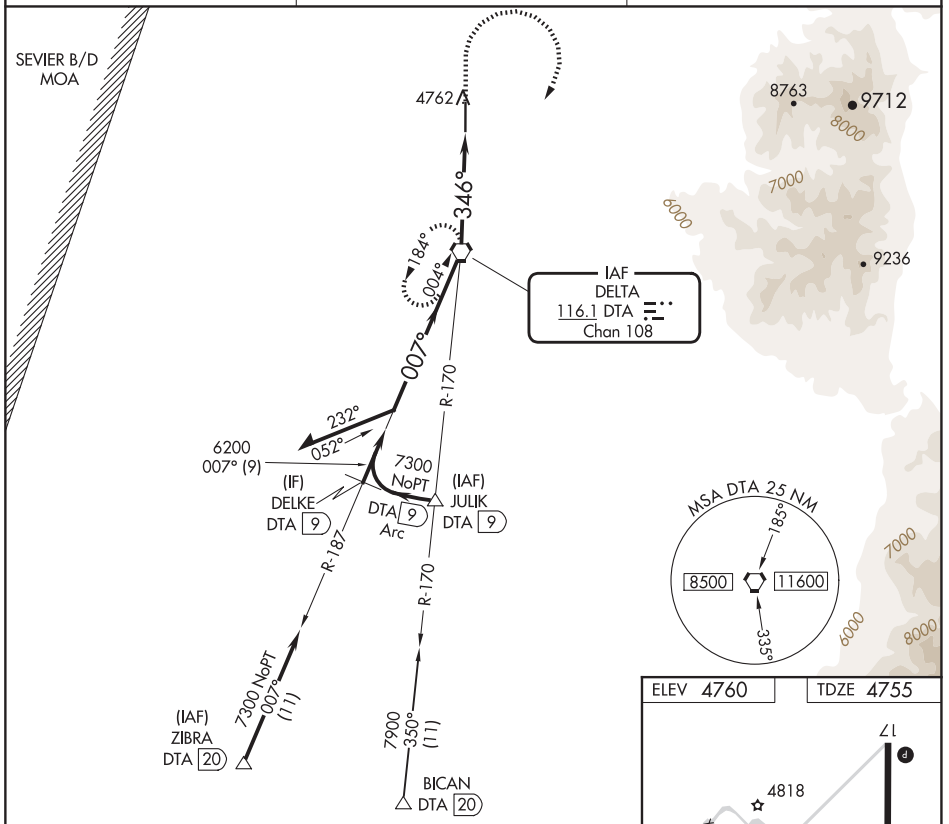
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

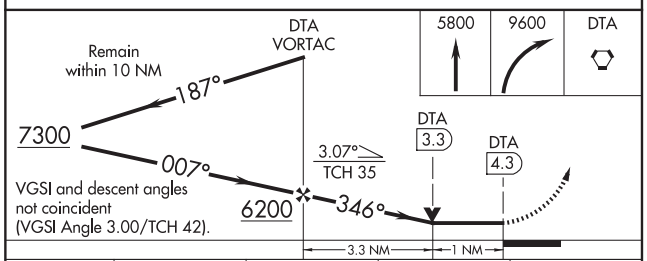
VORTAC DTA	APP CRS	Rwy Ldg	6065
116.1	346°	TDZE	4755
Chan 108		Apt Elev	4760

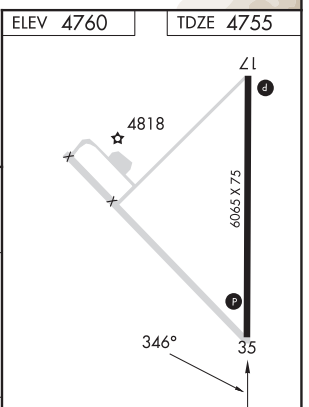
VOR RWY 35
DELTA MUNI (DTA)

MISSED APPROACH: Climb to 5800, then climbing right turn to 9600 direct DTA VORTAC and hold, continue climb-in-hold to 9600.

AWOS-3	SALT LAKE CENTER	UNICOM
127.75	127.825 239.025	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-35	5120-1 365 (400-1)			
CIRCLING	5160-1 400 (400-1)	5220-1 460 (500-1)	5220-1½ 460 (500-1½)	5320-2 560 (600-2)

FAF to MAP 4.3 NM

Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

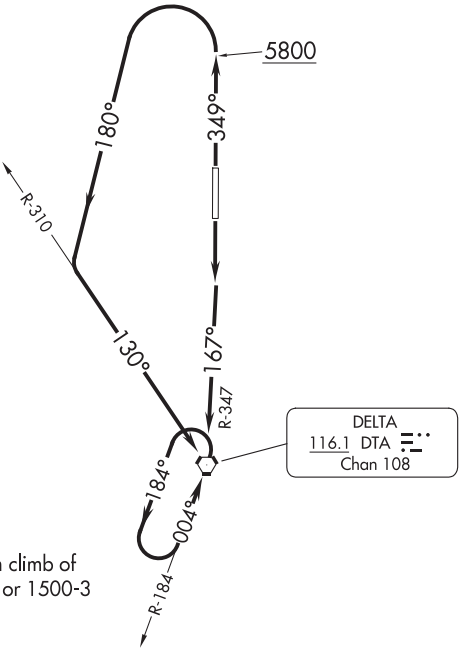
(DTA1.DTA) 23334

DELTA ONE DEPARTURE (OBSTACLE)

AL-113 (FAA)

DELTA MUNI (DTA)
DELTA, UTAH

SALT LAKE CENTER
127.825 239.025



TAKEOFF MINIMUMS

Rwy 17: Standard with minimum climb of 317′ per NM to 6200, or 1500-3 for VCOA.
Rwy 35: Standard.

TAKEOFF OBSTACLE NOTES

Rwy 17: Lighting beginning 41′ from DER, 76′ right of centerline, 3′ AGL/4754′ MSL.
Tree 609′ from DER, 596′ right of centerline, 4780′ MSL.
Rwy 35: Vegetation, lighting beginning 9′ from DER, 77′ right of centerline, up to 4763′ MSL.
Vegetation 47′ from DER, 349′ left of centerline, 4763′ MSL.
Fence 76′ from DER, 390′ right of centerline, 10′ AGL/4769′ MSL.
Vehicles on road 177′ from DER, 477′ right of centerline, 4770′ MSL.
Vehicles on road 227′ from DER, 458′ right of centerline, 4771′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb on DTA VORTAC R-347 to DTA VORTAC, thence. . . .
TAKEOFF RUNWAY 35: Climb on heading 349° to 5800, then climbing left turn heading 180° and DTA VORTAC R-310 to DTA VORTAC, thence. . . .

. . . .continue climb in DTA VORTAC holding pattern to cross DTA VORTAC at or above MCA/MEA for route of flight.

VCOA RUNWAY 17: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Delta Muni airport southbound at or above 6200, then on DTA VORTAC R-347 to DTA VORTAC, thence. . . .

. . . .continue climb in DTA VORTAC holding pattern to cross DTA VORTAC at or above MCA/MEA for route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 17

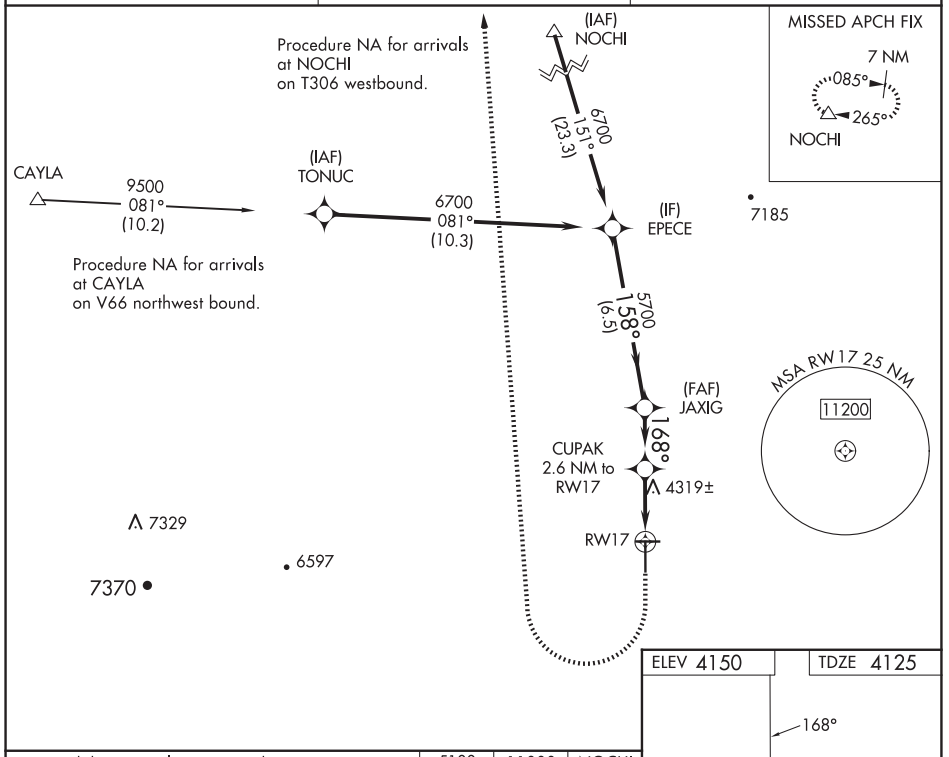
BISBEE DOUGLAS INTL (DUG)

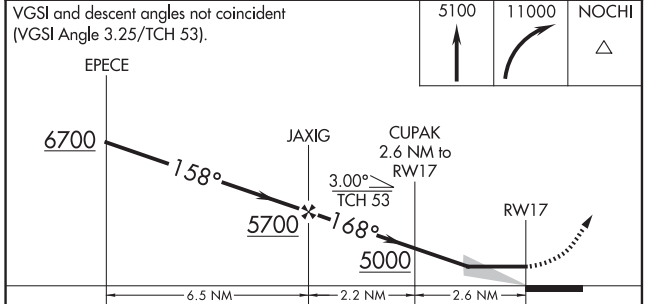
APP CRS	Rwy Ldg	6430
168°	TDZE	4125
	Apt Elev	4150

T A — DME/DME RNP-0.3 NA.

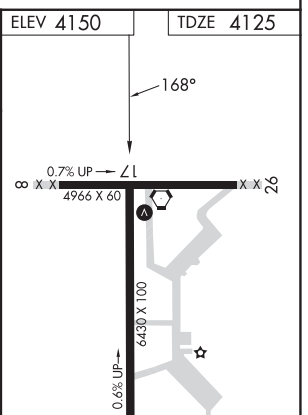
MISSED APPROACH: Climb to 5100 then climbing right turn to 11000 direct NOCHI and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
119.275	134.45 327.15	123.0 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	4580-1	455 (500-1)	4580-1⅜	455 (500-1⅜)
CIRCLING	4640-1 490 (500-1)	4660-1 510 (600-1)	4780-1¾ 630 (700-1¾)	5160-3 1010 (1100-3)



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

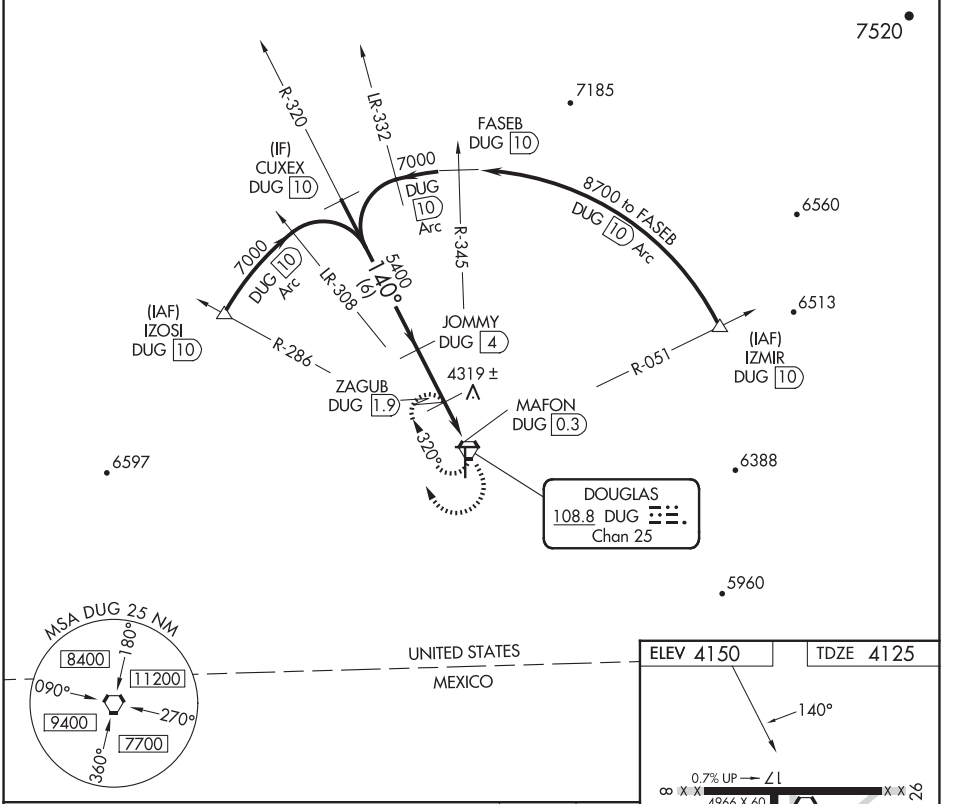
VORTAC DUG	APP CRS	Rwy Ldg	6430
108.8	140°	TDZE	4125
Chan 25		Apt Elev	4150

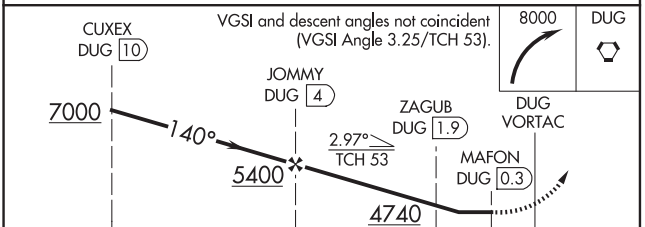
VOR/DME RWY 17

BISBEE DOUGLAS INTL (DUG)

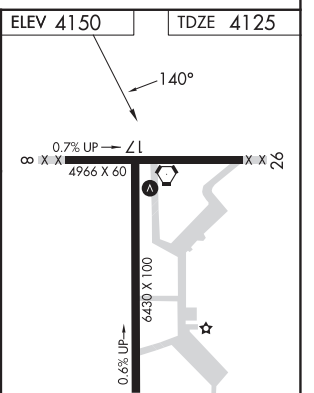
MISSED APPROACH: Climbing right turn to 8000 in DUG VORTAC holding pattern, continue climb-in-hold to 8000.

ASOS	ALBUQUERQUE CENTER	UNICOM
119.275	134.45 327.15	123.0 (CTAF)





CATEGORY	A	B	C	D
S-17	4580-1 455 (500-1)		4580-1⅜ 455 (500-1⅜)	
CIRCLING	4640-1 490 (500-1)	4660-1 510 (600-1)	4780-1¾ 630 (700-1¾)	5160-3 1010 (1100-3)



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

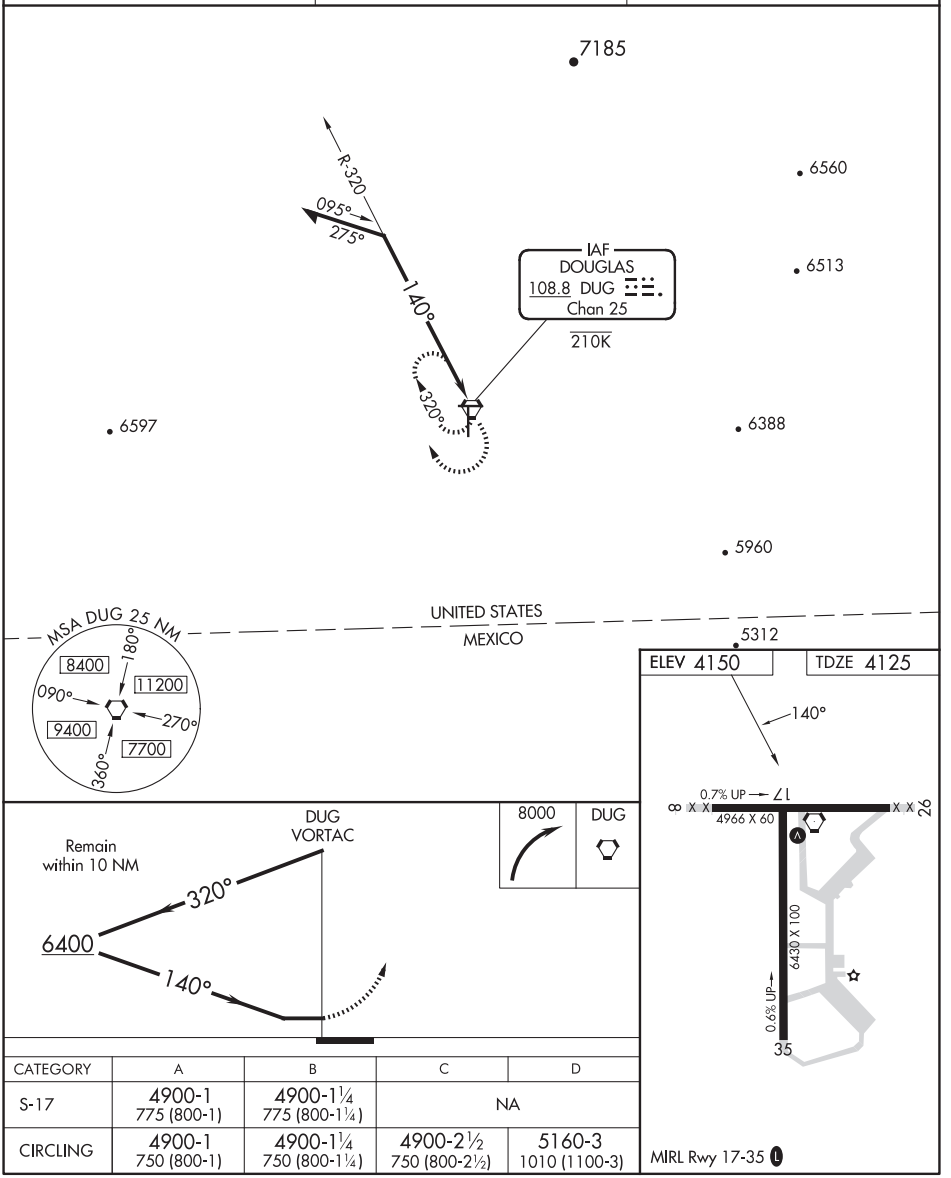
VORTAC DUG 108.8 Chan 25	APP CRS 140°	Rwy Ldg 6430 TDZE 4125 Apt Elev 4150

VOR RWY 17

BISBEE DOUGLAS INTL (DUG)

MISSED APPROACH: Climbing right turn to 8000 in DUG VORTAC holding pattern.

ASOS	ALBUQUERQUE CENTER	UNICOM
119.275	134.45 327.15	123.0 (CTAF) L



CATEGORY	A	B	C	D
S-17	4900-1 775 (800-1)	4900-1¼ 775 (800-1¼)	NA	
CIRCLING	4900-1 750 (800-1)	4900-1¼ 750 (800-1¼)	4900-2½ 750 (800-2½)	5160-3 1010 (1100-3)

MIRL Rwy 17-35 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR/DME MTU	APP CRS	Rwy Idg	N/A
112.7	269°	TDZE	N/A
Chan 74		Apt Elev	5831

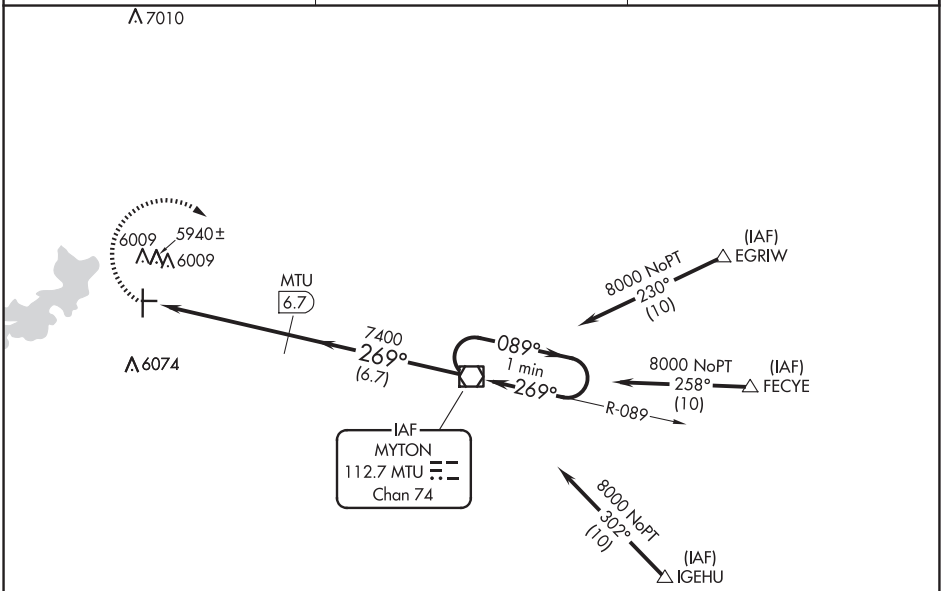
VOR/DME-A

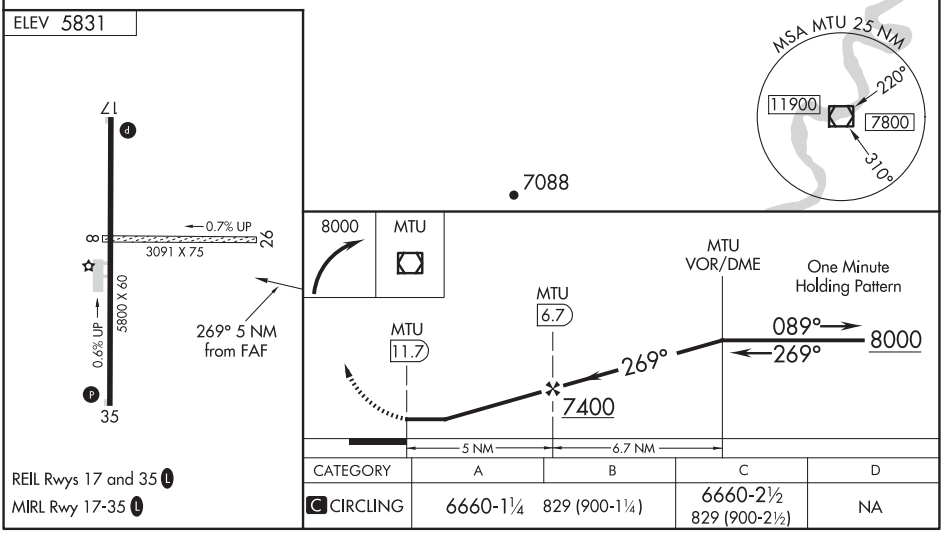
DUCHESNE MUNI (U69)

When local altimeter setting not received, use Vernal altimeter setting.
Circling NA to Rwys 8 and 26.

MISSED APPROACH: Climbing right turn to 8000 direct MTU VOR/DME and hold.

AWOS-3	SALT LAKE CENTER	UNICOM
121.125	133.9 370.85	122.8 (CTAF) L





CATEGORY	A	B	C	D
C CIRCLING	6660-1¼	829 (900-1¼)	6660-2½	NA
			829 (900-2½)	

REIL Rwys 17 and 35 L
MIRL Rwy 17-35 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 6

ELKO RGNL (EKO)

APP CRS		
057°	Rwy Ldg	7217
	TDZE	5051
	Apt Elev	5140

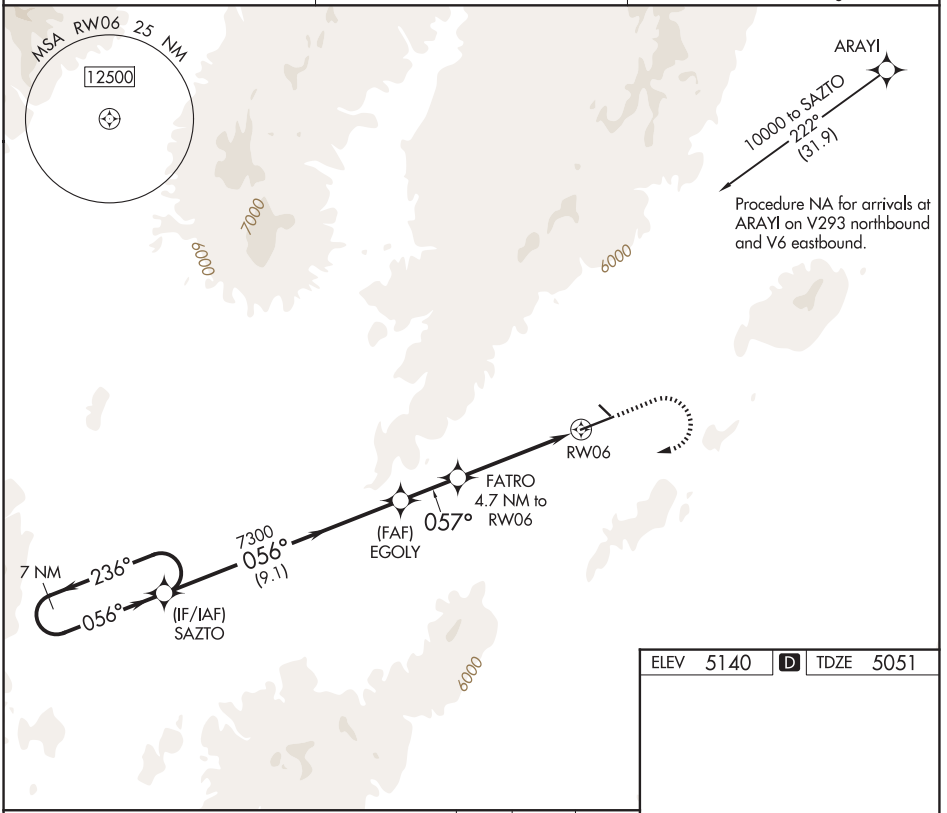
RNP APCH.

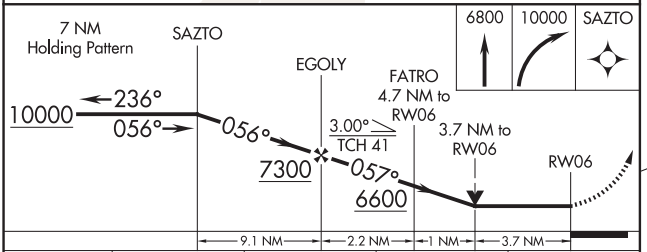
T A ❄ -25°C

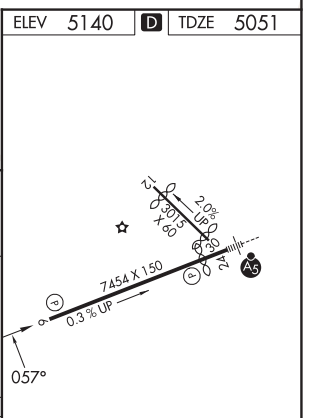
Circling Rwy 24 NA at night.
Rwy 6 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 6800 then climbing right turn to 10000 direct SAZTO and hold, continue climb-in-hold to 10000.

ASOS	SALT LAKE CENTER	UNICOM
119.275	132.25 338.35	123.0 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	6280-1¼ 1229 (1200-1¼)	6280-1½ 1229 (1200-1½)	6280-3	1229 (1200-3)
CIRCLING	6280-1¼ 1140 (1200-1¼)	6280-1½ 1140 (1200-1½)	6640-3 1500 (1500-3)	6960-3 1820 (1900-3)

MIRL Rwy 6-24 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ELKO, NEVADA | AL-129 (FAA) | 25219

RNAV (GPS) RWY 24

ELKO RGNL (EKO)

APP CRS	Rwy Ldg	6418
248°	TDZE	5064
	Apt Elev	5140

RNP APCH.

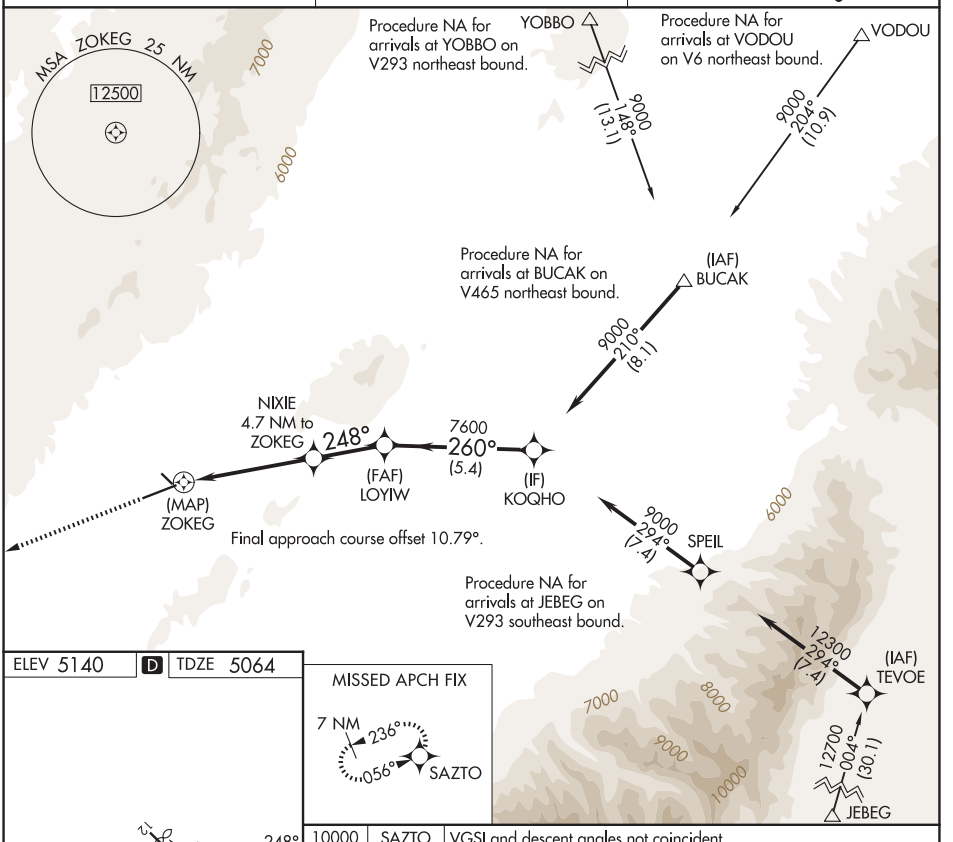
Inop table does not apply to Cats C/D. Circling Rwy 24 NA at night. Rwy 24 helicopter visibility reduction below ¾ SM NA.

-25°C

MALSR

MISSED APPROACH: Climb to 10000 direct SAZTO and hold, continue climb-in-hold to 10000.

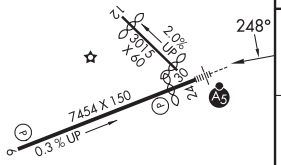
ASOS	SALT LAKE CENTER	UNICOM
119.275	132.25 338.35	123.0 (CTAF)



ELEV 5140 | D | TDZE 5064

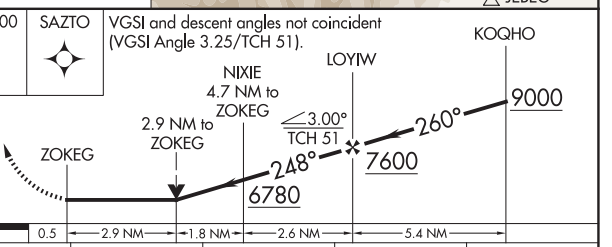
MISSED APCH FIX

7 NM 236° 056° SAZTO



10000 | SAZTO

VGSI and descent angles not coincident (VGSI Angle 3.25/TCH 51).



CATEGORY	A	B	C	D
LNAV MDA	6260-¾ 1196 (1200-¾)	6260-1 1196 (1200-1)	6260-3 1196 (1200-3)	
CIRCLING	6260-1¼ 1120 (1200-1¼)	6260-1½ 1120 (1200-1½)	6640-3 1500 (1500-3)	6960-3 1820 (1900-3)

MIRL Rwy 6-24

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-EKO	APP CRS	Rwy Ldg	6418
108.5	243°	TDZE	5064
Chan 22		Apt Elev	5140

LDA/DME RWY 24

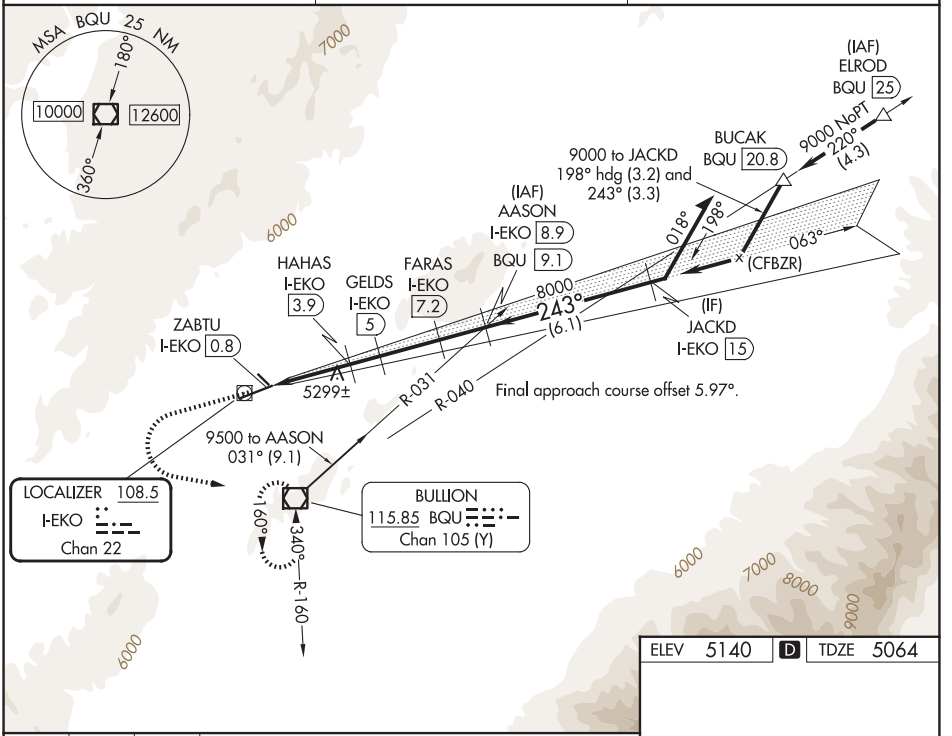
ELKO RGNL (EKO)

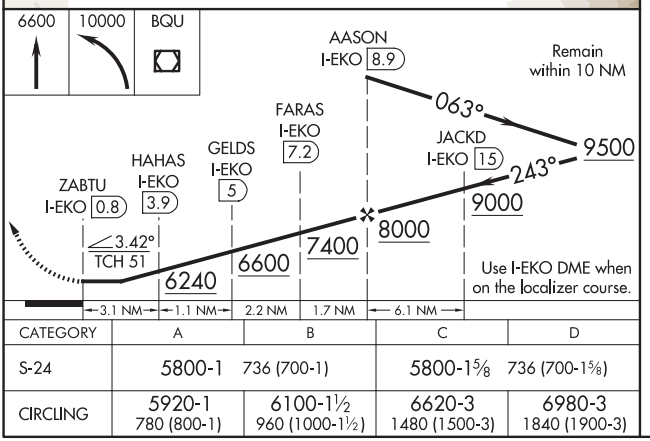
T A -25°C Inoperative table does not apply to Cats A and B. For inop MALSR, increase S-24 Cat C and D visibility to 2 miles. Rwy 24 helicopter visibility reduction below ¾ SM NA. Circling Rwy 24 NA at night.

MALSR

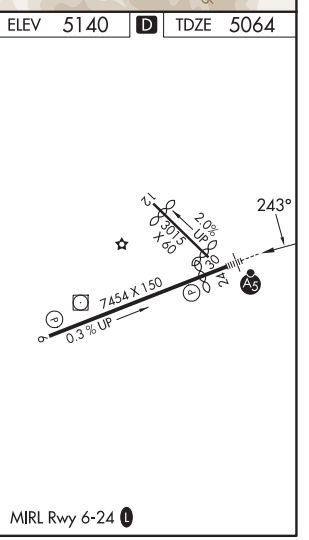
MISSED APPROACH: Climb to 6600 then climbing left turn to 10000 direct BQU VOR/DME and hold, continue climb-in-hold to 10000.

ASOS	SALT LAKE CENTER	UNICOM
119.275	132.25 338.35	123.0 (CTAF) L





CATEGORY	A	B	C	D
S-24	5800-1	736 (700-1)	5800-1⅝	736 (700-1⅝)
CIRCLING	5920-1 780 (800-1)	6100-1½ 960 (1000-1½)	6620-3 1480 (1500-3)	6980-3 1840 (1900-3)



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25219
AIRPORT DIAGRAM

AL-129 (FAA)

ELKO RGNL (EKO)
ELKO, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25219

ELKO, NEVADA
ELKO RGNL (EKO)

WAAS CH 42823 W18A	APP CRS 180°	Rwy Ldg 6017 TDZE 6242 Apt Elev 6260

RNAV (GPS) RWY 18

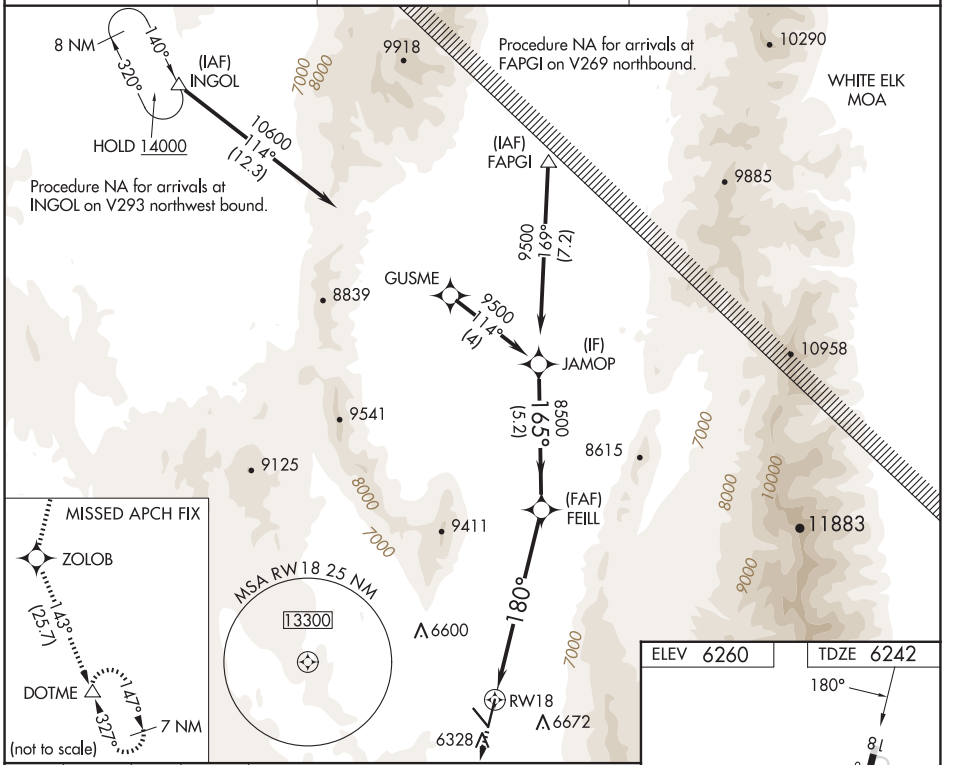
ELY/YELLAND FLD (ELY)

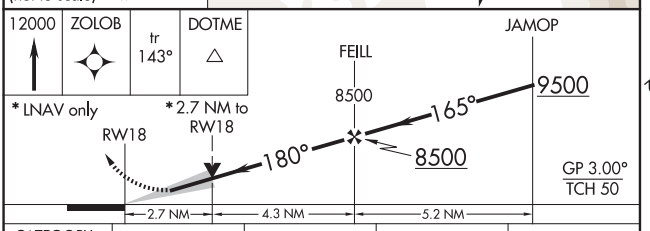
RNP APCH.

T A Baro-VNAV NA. Circling Rwy 30 NA at night. Circling NA for Cats A and B southwest of Rwy 12 and west of Rwy 36. Circling NA for Cats C and D southwest of Rwy 12 and east of Rwy 18.

MISSED APPROACH: Climb to 12000 direct ZOLOB and on track 143° to DOTME and hold.

ASOS 120.625	SALT LAKE CENTER 133.45 317.625	UNICOM 122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	6652-1⅛ 410 (400-1⅛)			
LNAV/VNAV DA	7274-4 1032 (1100-4)			
LNAV MDA	7140-1¼ 898 (900-1¼)		7140-2½ 898 (900-2½)	
C CIRCLING	7140-1¼ 880 (900-1¼)		7140-2½ 880 (900-2½)	8220-3 1960 (2000-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ELY, NEVADA | AL-5163 (FAA) | 25163

VOR/DME ELY	APP CRS	Rwy Ldg	N/A
113.95	179°	TDZE	N/A
Chan 86 (Y)		Apt Elev	6260

VOR-C

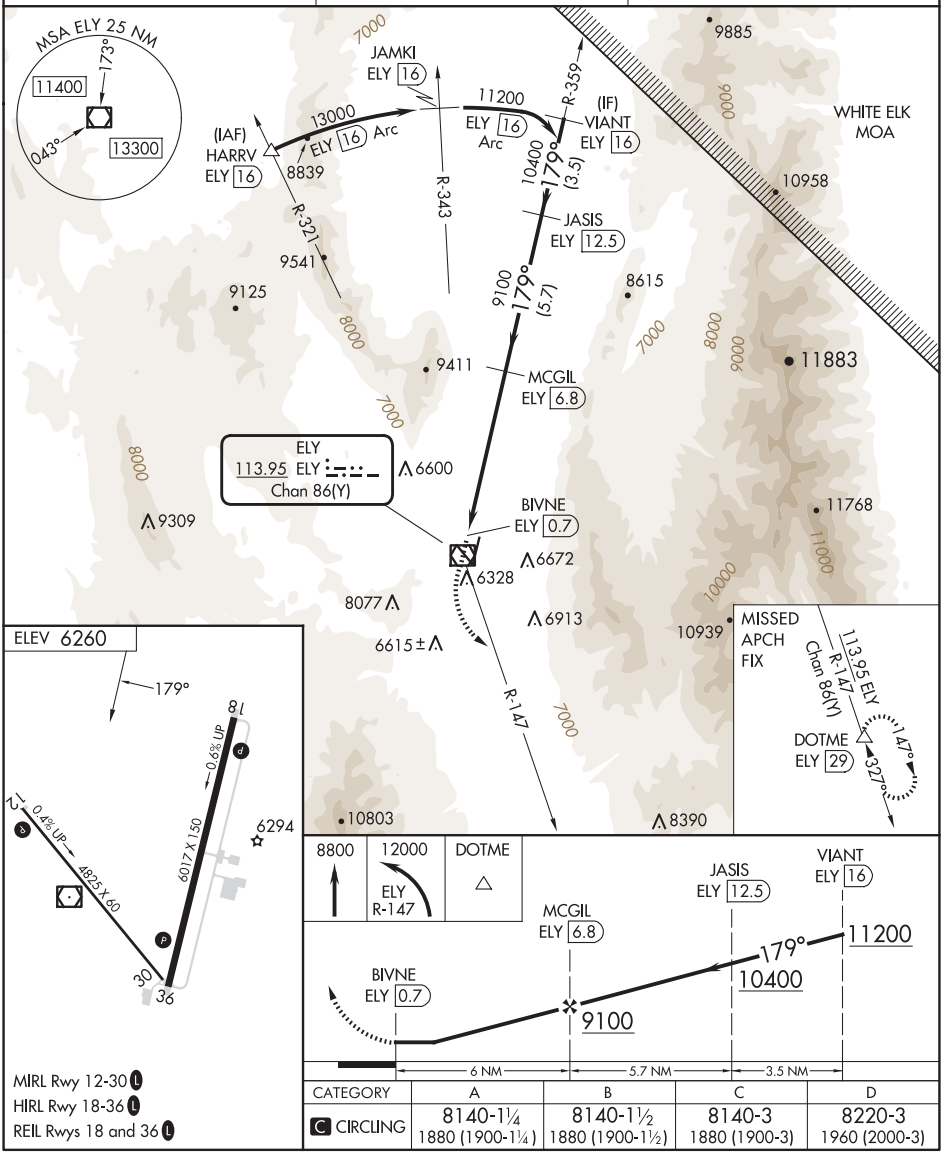
ELY/YELLAND FLD (ELY)

DME required.

Rwy 30 helicopter visibility reduction below 1 SM NA. Circling Rwy 30 NA at night. Circling NA for Cats A and B southwest of Rwy 12 and west of Rwy 36. Circling NA for Cats C and D southwest of Rwy 12 and east of Rwy 18.

MISSED APPROACH: Climb to 8800 then climbing left turn to 12000 on ELY VOR/DME R-147 to DOTME/ELY 29 DME and hold.

ASOS	SALT LAKE CENTER	UNICOM
120.625	133.45 317.625	122.8 (CTAF) L



MIRL Rwy 12-30 L
HIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

CATEGORY	A	B	C	D
C CIRCLING	8140-1¼ 1880 (1900-1¼)	8140-1½ 1880 (1900-1½)	8140-3 1880 (1900-3)	8220-3 1960 (2000-3)

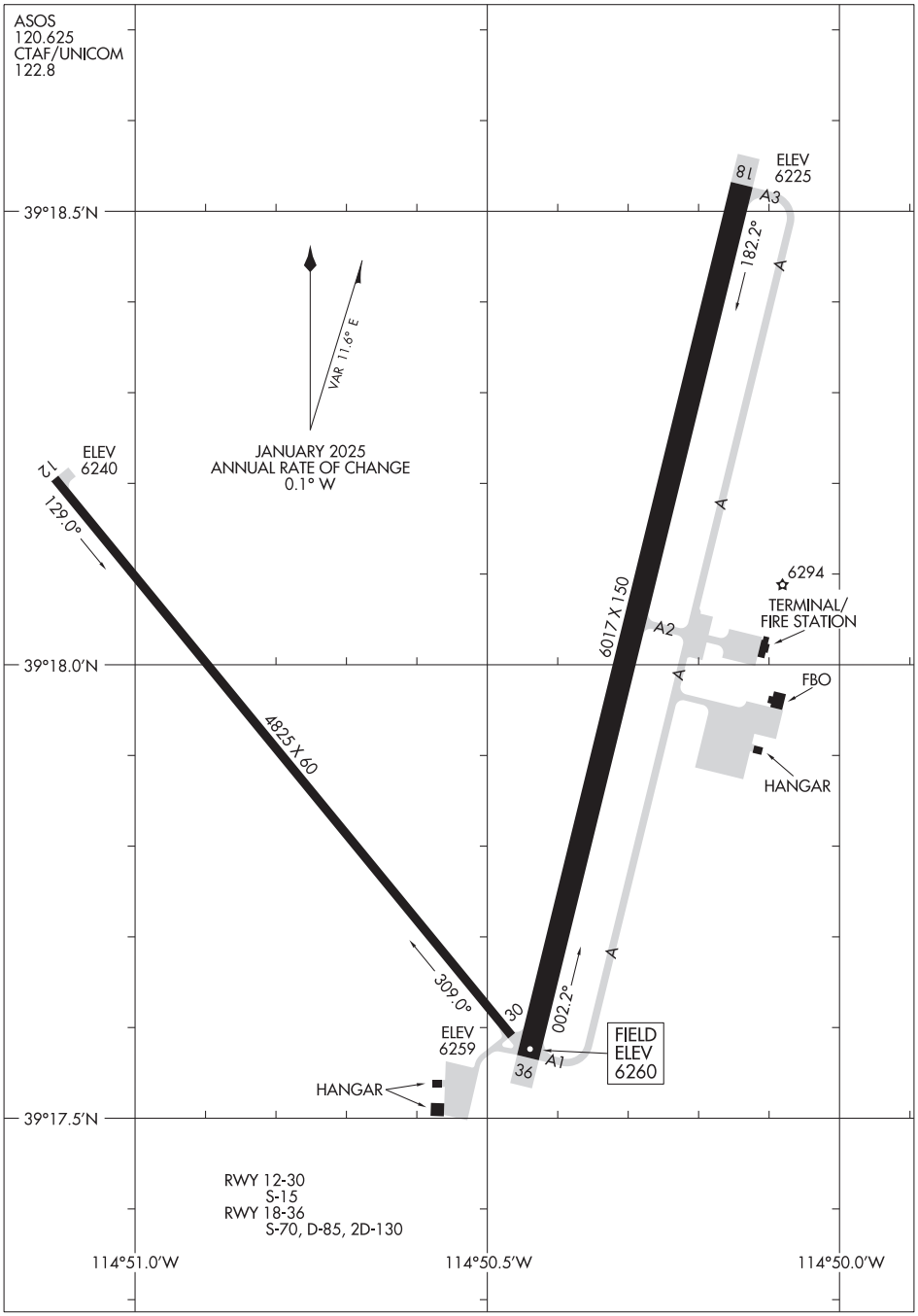
ELY, NEVADA
Amdt 2B 12JUN25

39°18'N-114°51'W

ELY/YELLAND FLD (ELY)
VOR-C

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(ELY2.ELY) 24025

ELY TWO DEPARTURE (OBSTACLE)

AL-5163 (FAA)

ELY/YELLAND FLD (ELY)
ELY, NEVADA

ASOS
120.625
SALT LAKE CENTER
133.45 317.625
UNICOM
122.8

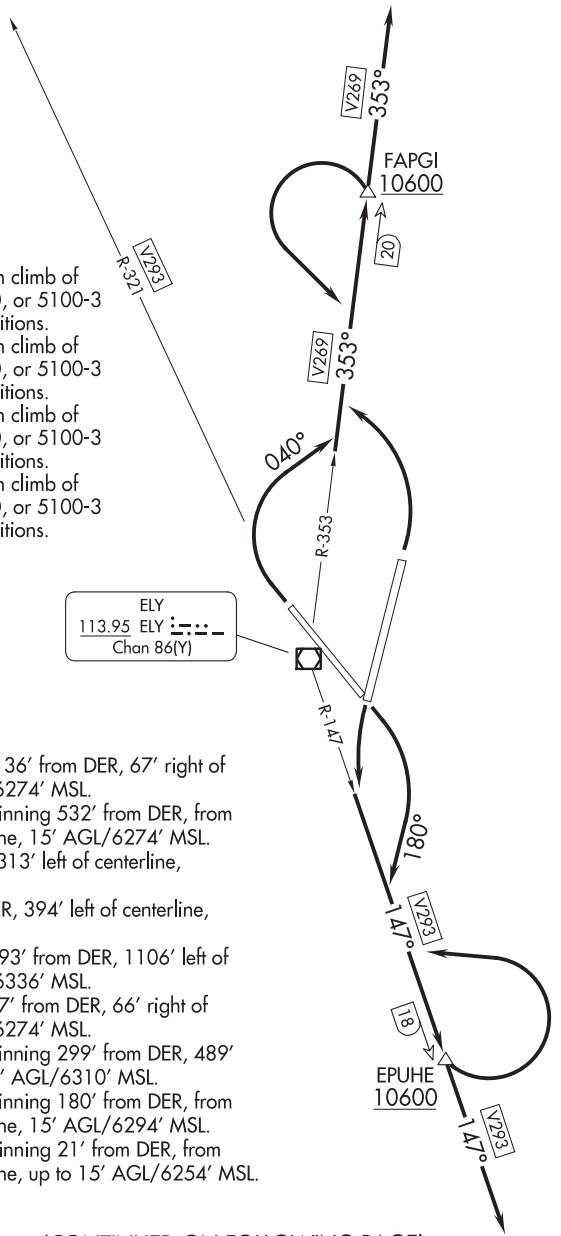
TAKEOFF MINIMUMS

Rwy 12: Standard with minimum climb of 280′ per NM to 10600, or 5100-3 for climb in visual conditions.

Rwy 18: Standard with minimum climb of 267′ per NM to 10600, or 5100-3 for climb in visual conditions.

Rwy 30: Standard with minimum climb of 539′ per NM to 10600, or 5100-3 for climb in visual conditions.

Rwy 36: Standard wtih minimum climb of 238′ per NM to 10600, or 5100-3 for climb in visual conditions.



TAKEOFF OBSTACLE NOTES

Rwy 12: Aircraft on taxiway, 136′ from DER, 67′ right of centerline, 15′ AGL/6274′ MSL.
Vehicles on road beginning 532′ from DER, from left to right of centerline, 15′ AGL/6274′ MSL.
Pole 981′ from DER, 313′ left of centerline, 40′ AGL/6295′ MSL.
Tower 2617′ from DER, 394′ left of centerline, 64′ AGL/6334′ MSL.
Antenna on tower 2893′ from DER, 1106′ left of centerline, 66′ AGL/6336′ MSL.

Rwy 18: Aircraft on taxiway 17′ from DER, 66′ right of centerline, 15′ AGL/6274′ MSL.
Multiple hangars beginning 299′ from DER, 489′ right of centerline, 35′ AGL/6310′ MSL.
Vehicles on road beginning 180′ from DER, from left to right of centerline, 15′ AGL/6294′ MSL.

Rwy 30: Vehicles on road beginning 21′ from DER, from left to right of centerline, up to 15′ AGL/6254′ MSL.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climbing right turn heading 180° to intercept ELY VOR/DME R-147 to EPUHE/ELY 18 DME, cross EPUHE at or above 10600. Departures V293 southeast bound, continue climb on course to MEA. Departures V269 or V293 northbound, climbing left turn to intercept ELY VOR/DME R-147, continue climb to 12000 to ELY VOR/DME then proceed on course. Do not exceed 250K until completion of turn at EPUHE; or for climb in visual conditions, cross Ely Airport at or above 11200 before proceeding on course.

TAKEOFF RUNWAY 18: Climbing left turn to intercept ELY VOR/DME R-147 to EPUHE, cross EPUHE at or above 10600. Departures V293 southeast bound, continue climb on course to MEA. Departures V269 or V293 northbound, climbing left turn to intercept ELY VOR/DME R-147, continue climb to 12000 to ELY VOR/DME then proceed on course. Do not exceed 250K until completion of turn at EPUHE; or for climb in visual conditions, cross Ely Airport at or above 11200 before proceeding on course.

TAKEOFF RUNWAY 30: Climbing right turn heading 040° to intercept ELY VOR/DME R-353 to FAPGI/ELY 20 DME, cross FAPGI at or above 10600. Departures V269 northbound proceed on course; departures V293 northwest or southeast bound climbing left turn to intercept ELY VOR/DME R-353, continue climb to 12000 to ELY VOR/DME then proceed on course. Do not exceed 250K until completion of turn at FAPGI; or for climb in visual conditions, cross Ely Airport at or above 11200 before proceeding on course.

TAKEOFF RUNWAY 36: Climbing left turn to intercept ELY VOR/DME R-353 to FAPGI, cross FAPGI at or above 10600. Departures V269 northbound proceed on course; departures V293 northwest or southeast bound climbing left turn to intercept ELY VOR/DME R-353, continue climb to 12000 to ELY VOR/DME then proceed on course. Do not exceed 250K until completion of turn at FAPGI; or for climb in visual conditions, cross Ely Airport at or above 11200 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025

ESCALANTE, UTAH | AL-9498 (FAA) | 25163

APP CRS		
309°	Rwy Ldg	5032
	TDZE	5723
	Apt Elev	5737

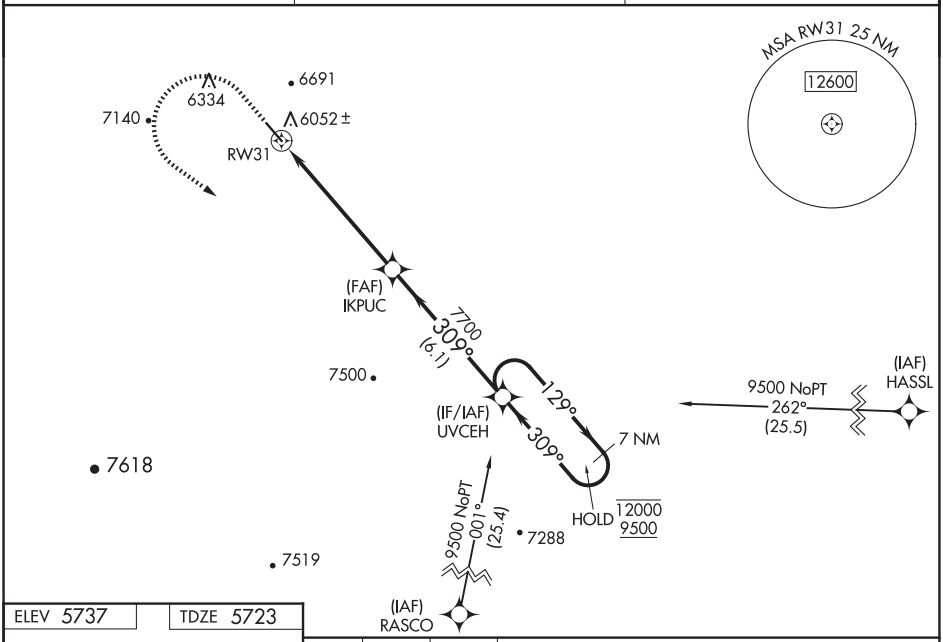
RNAV (GPS) RWY 31
ESCALANTE MUNI (1L7)

RNP APCH - GPS.

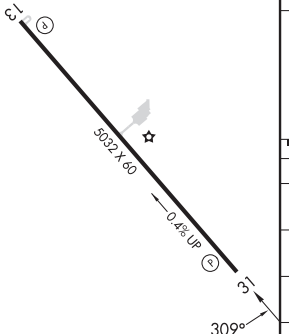
Baro-VNAV NA. Rwy 31 helicopter visibility reduction below ¾ SM NA. Circling NA northeast of Rwy 13-31. Procedure NA at night. Use PGA altimeter setting.

MISSED APPROACH: Climb to 7600 then climbing left turn to 9500 direct UVCEH and hold, continue climb-in-hold to 9500.
*Missed approach requires minimum climb of 328 feet per NM to 8000.
#Missed approach requires minimum climb of 320 feet per NM to 8020.

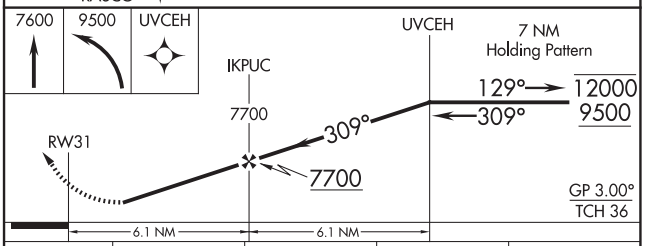
PGA ASOS	SALT LAKE CENTER	UNICOM
120.625	133.6 269.25	122.8 (CTAF) L



ELEV 5737 | TDZ 5723



MIRL Rwy 13-31 L
REIL Rwys 13 and 31



CATEGORY	A	B	C	D
LNAV/ VNAV DA*	6534-2½ 811 (800-2½)		NA	
LNAV MDA#	6840-1¼ 1117 (1200-1¼)	6840-1½ 1117 (1200-1½)	NA	
LNAV/ VNAV DA	7169-6 1446 (1500-6)		NA	
LNAV MDA	7280-1¼ 1557 (1600-1¼)	7280-1½ 1557 (1600-1½)	NA	
CIRCLING	7280-1¼ 1543 (1600-1¼)	7280-1½ 1543 (1600-1½)	NA	

ESCALANTE, UTAH
Amdt 1 12JUN25

37°45'N-111°34'W

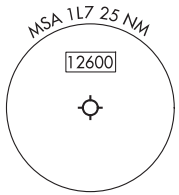
ESCALANTE MUNI (1L7)
RNAV (GPS) RWY 31

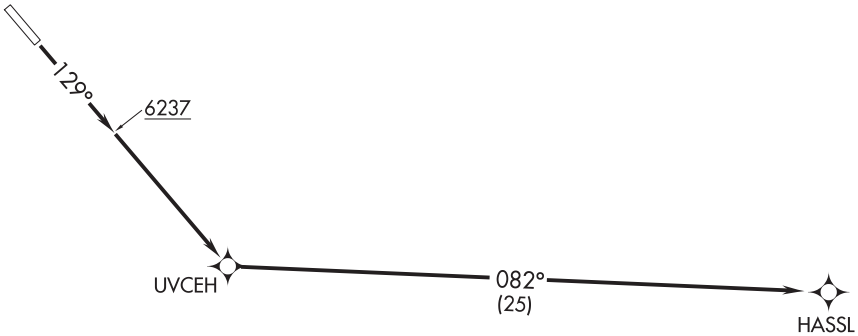
SW-4, 07 AUG 2025 to 02 OCT 2025

HASSL TWO DEPARTURE (OBSTACLE) (RNAV)

SALT LAKE CENTER
133.6 269.25
PGA ASOS
120.625

RNAV 1 - GPS





TAKEOFF MINIMUMS

Rwy 31: NA - Terrain.
Rwy 13: Standard.

TAKEOFF OBSTACLE NOTES

Rwy 13: Light poles 10′ from DER, 19′ left of centerline, 4′ AGL/5721′ MSL.
Tree 32′ from DER, 353′ left of centerline, 5730′ MSL.
Trees beginning 67′ from DER, 198′ left of centerline, up to 15′ AGL/5734′ MSL.
Trees beginning 381′ from DER, 473′ left of centerline, up to 5735′ MSL.
Trees beginning 703′ from DER, 277′ left of centerline, up to 5744′ MSL.
Tree 798′ from DER, 481′ left of centerline, 5747′ MSL.
Trees beginning 811′ from DER, 336′ left of centerline, up to 5752′ MSL.
Trees beginning 881′ from DER, 441′ left of centerline, up to 5756′ MSL.
Trees beginning 996′ from DER, 361′ left of centerline, up to 5765′ MSL.
Tree, terrain beginning 1119′ from DER, 509′ left of centerline, up to 5772′ MSL.
Tree, vehicles on road beginning 1228′ from DER, 160′ left of centerline, up to 5774′ MSL.
Trees beginning 1332′ from DER, 402′ left of centerline, up to 5775′ MSL.
Transmission lines, trees, vehicle on road beginning 1439′ from DER, 208′ left of centerline, up to 5786′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 129° to 6237, then direct UVCEH, then on track 082° to HASSL.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

EUREKA, NEVADA | AL-9852 (FAA) | 25163

RNAV (GPS) RWY 18

EUREKA (Ø5U)

WAAS	APP CRS	Rwy Ldg	7300
CH 42732	178°	TDZE	5944
W18A		Apt Elev	5958

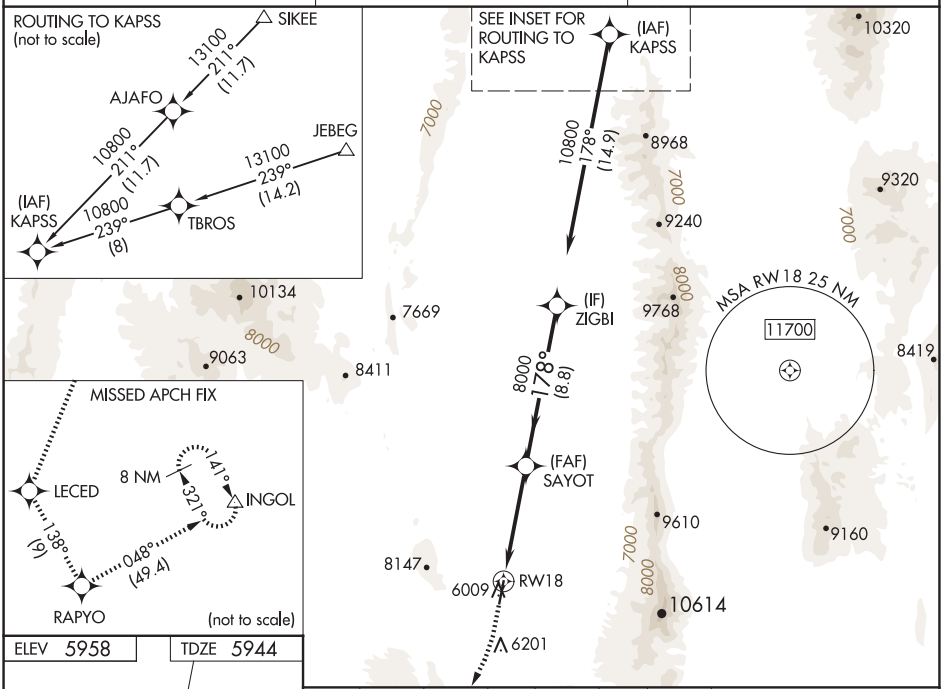
RNP APCH - GPS.

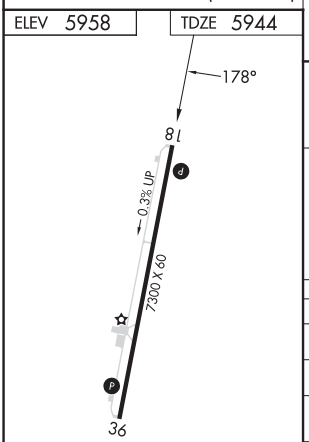
Circling NA for Cat D west of Rwy 18-36. When local altimeter setting not received, procedure NA.

-17°C

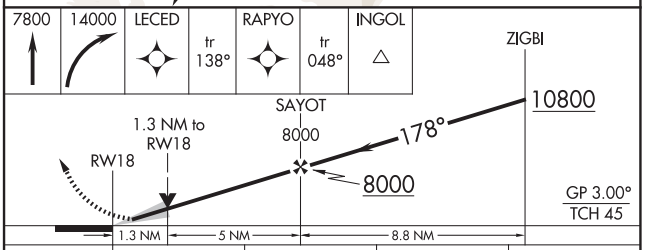
MISSED APPROACH: Climb to 7800 then climbing right turn to 14000 direct LECED and on track 138° to RAPYO and track 048° to INGOL and hold.
#Missed approach requires minimum climb of 390 feet per NM to 10200.
*Missed approach requires minimum climb of 390 feet per NM to 9900.

AWOS-3	SALT LAKE CENTER	CTAF
128.325	132.25 338.35	122.9 L





HIRL Rwy 18-36 L
REIL Rwys 18 and 36 L



CATEGORY	A	B	C	D
LPV DA*	6144-¾ 200 (200-¾)			
LPV DA	7536-6 1592 (1600-6)			
LNAV MDA#	6400-1 456 (500-1)		6400-1⅜ 456 (500-1⅜)	
LNAV MDA	7880-1¼ 1936 (2000-1¼)	7880-1½ 1936 (2000-1½)	7880-3 1936 (2000-3)	
C CIRCLING	7880-1¼ 1922 (2000-1¼)	7880-1½ 1922 (2000-1½)	7880-3 1922 (2000-3)	

EUREKA, NEVADA
Amdt 1 25JAN24

39°36′N-116°00′W

EUREKA (Ø5U)

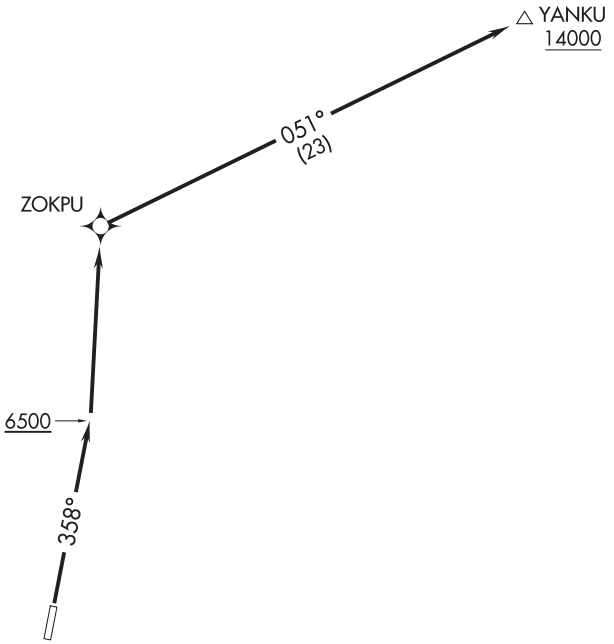
RNAV (GPS) RWY 18

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

MINES ONE DEPARTURE (OBSTACLE) (RNAV)

NORCAL DEP CON
119.2 279.55
SALT LAKE CENTER
132.25 338.35
CTAF
122.9



NOTE: GPS required.
NOTE: RNAV-1.

TAKEOFF MINIMUMS
Rwy 18: NA - Terrain
Rwy 36: Standard.

TAKEOFF OBSTACLE NOTES
Rwy 36: Pole 34' from DER, 338' left of centerline, 8' AGL/5942' MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 36: Climb heading 358° to 6500 then direct ZOKPU, then on track 051° to YANKU. Thence . . .

. . . Maintain 14000 or assigned altitude. Expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS)-C

FALLON MUNI (FLX)

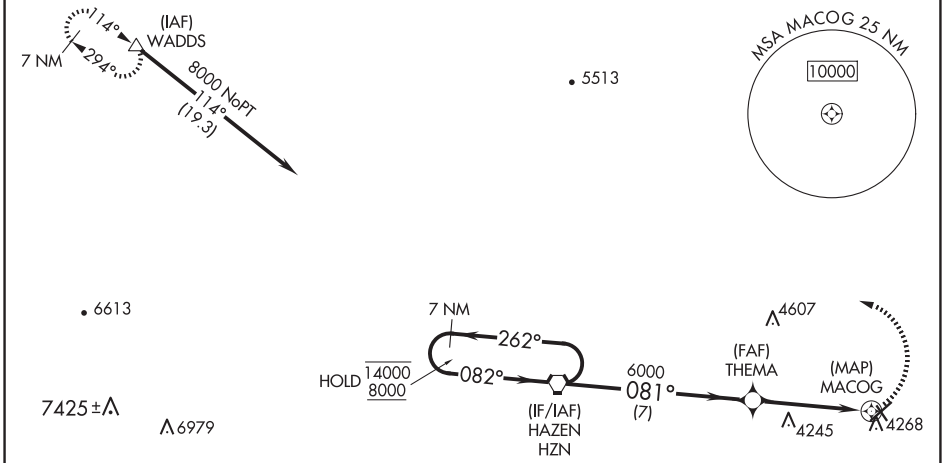
APP CRS	Rwy Idg	N/A
081°	TDZE	N/A
	Apt Elev	3966

RNP APCH.

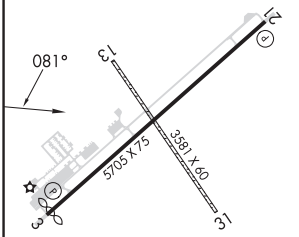
Circling NA to Rwys 13 and 31. Circling to Rwy 21 NA at night. When local altimeter not received, use Fallon NAS altimeter setting.

MISSED APPROACH: Climbing left turn to 10100 direct WADDS and hold, continue climb-in-hold 10100.

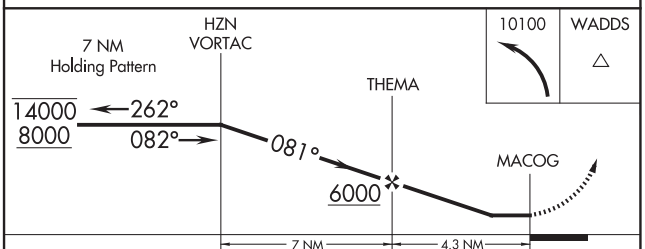
AWOS-AV	KNFL ATIS ★	NAVY FALLON APP CON ★	UNICOM
118.25	370.925	120.85 360.2	122.8 (CTAF)



ELEV 3966 D



MIRL Rwy 3-21



CATEGORY	A	B	C	D
C CIRCLING	4620-1 654 (700-1)		4620-1¾ 654 (700-1¾)	4620-2 654 (700-2)

SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC HZN	APP CRS	Rwy Idg	N/A
114.1	078°	TDZE	N/A
Chan 88		Apt Elev	3966

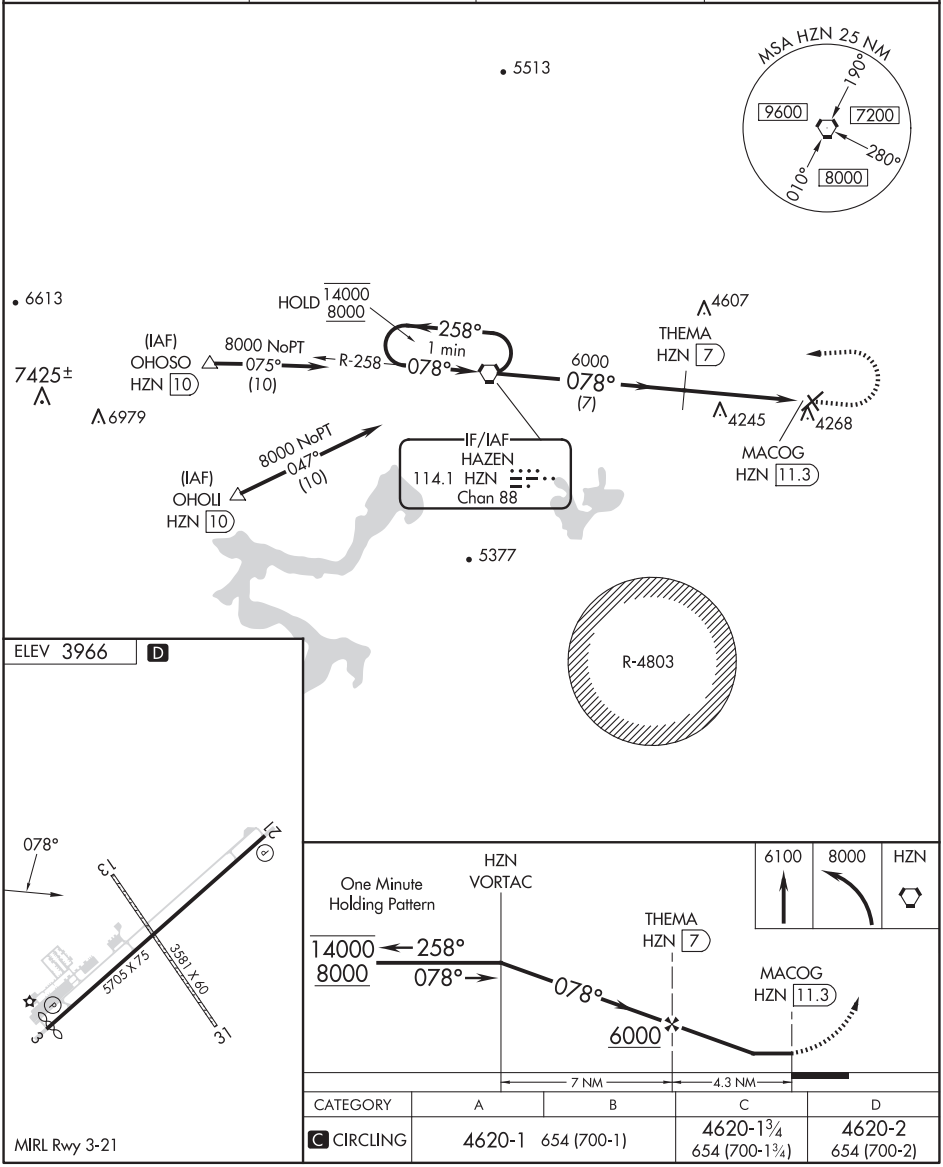
VOR-B
FALLON MUNI (FLX)

DME required.

Circling NA to Rwys 13 and 31. Circling to Rwy 21 NA at night. When local altimeter not received, use Fallon NAS altimeter setting.

MISSED APPROACH: Climb to 6100 then climbing left turn to 8000 direct HZN VORTAC and hold.

AWOS-AV	KNFL ATIS★	NAVY FALLON APP CON★	UNICOM
118.25	370.925	120.85 360.2	122.8 (CTAF)



ELEV 3966 D

MIRL Rwy 3-21

CATEGORY	A	B	C	D
C CIRCLING	4620-1	654 (700-1)	4620-1¾ 654 (700-1¾)	4620-2 654 (700-2)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

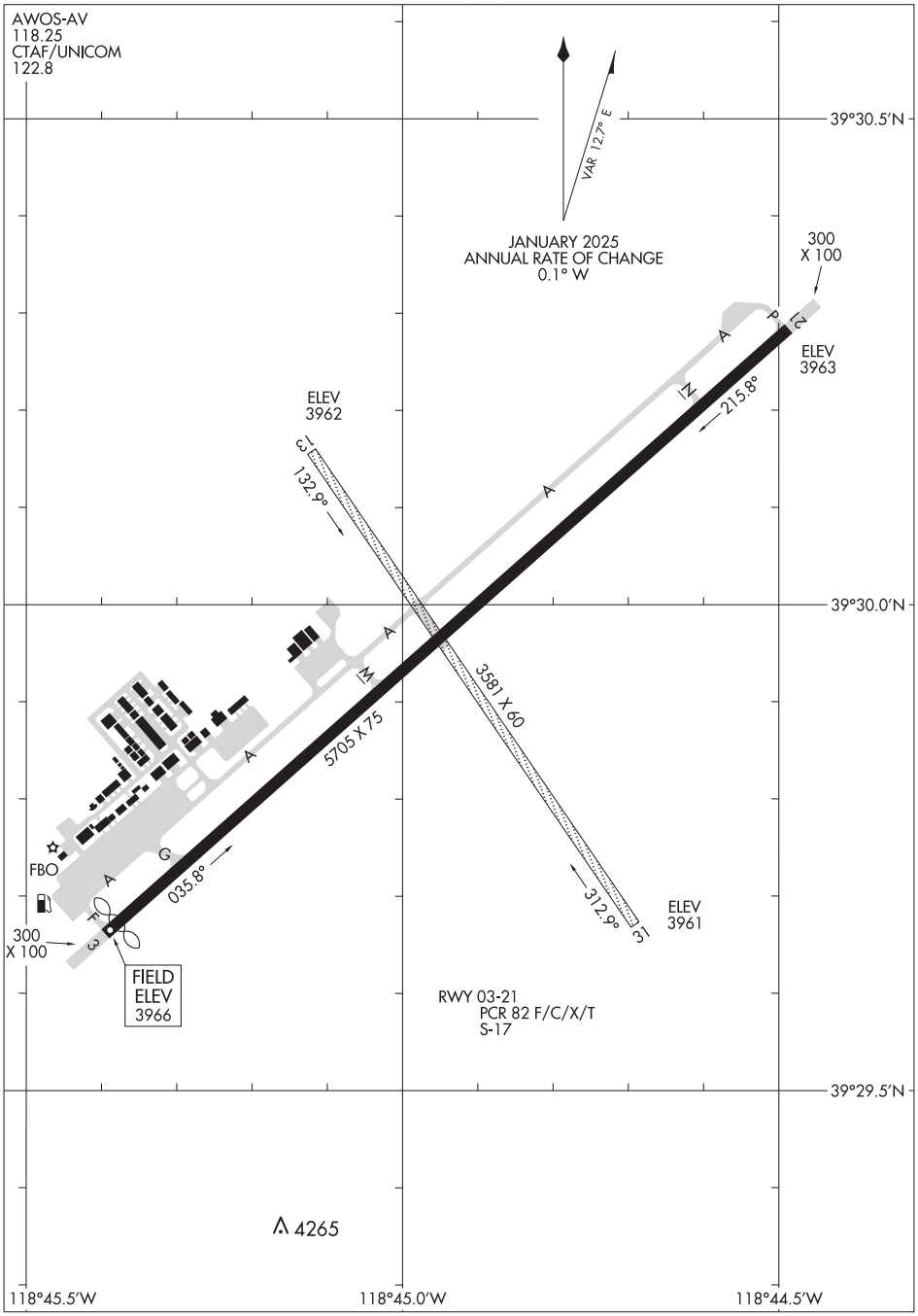
25107

AIRPORT DIAGRAM

FALLON MUNI (FLX)

FALLON, NEVADA

AL-786 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107

FALLON, NEVADA
FALLON MUNI (FLX)

FALLON, NEVADA

RNAV (GPS) RWY 13R

APCH CRS	Rwy ldg	14,001
131°	TDZE	3935
	Arpt Elev	3935

AL-143 (USN)

FALLON NAS (VAN VOORHIS FLD) (KNFL)

MISSED APPROACH: Climb to 9800 direct HOROD and hold, continue climb-in-hold to 9800.

ATIS★	NAVY FALLON APP CON/DEP CON	NAVY FALLON TOWER★	GND CON	CLNC DEL	ASR/PAR
370.925	120.85 360.2	119.25 340.2	251.15	353.55	

NOT FOR CIVIL USE

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -22°C (-7°F) or above 54°C (130°F)

CAUTION: Fallon Muni Airport (uncontrolled) 5 NM NW. Pattern alt 800 ft AGL.

5466

4 NM

HOLD 9800 7100

131° 230K 311°

(IF/IAF) BIKZE

7100 NoPT 047° (8.1)

4607

5400 131° (6.2)

(IAF) HAZEN HZN 7200

4665

FALLON MUNI

(FAF) JENGU

4249

3999

FEGAB

4060

RW13R

4662

MSA RW13R 25 NM 9800

4220

R4803

HOROD

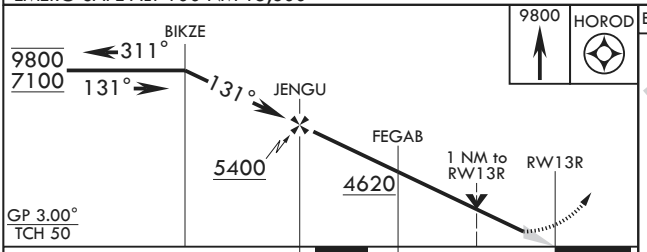
131° 230K 311°

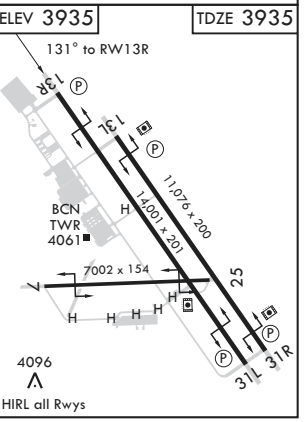
6 NM

HOLD 12,800 9800

RNP APCH

EMERG SAFE ALT 100 NM 15,600





CATEGORY	A	B	C	D
LNAV/VNAV DA	4185-¾	250	(300-¾)	4194-¾ 259 (300-¾)
LNAV MDA	4320-1 385	(400-1)	4320-1⅛ 385	(400-1⅛)
C CIRCLING	4400-1 465	(500-1)	4700-2¼ 765 (800-2¼)	4920-3 985 (1000-3)

FALLON, NEVADA

Amdt 4 24MAR22

39°25'N - 118°42'W

FALLON NAS (VAN VOORHIS FLD) (KNFL)

RNAV (GPS) RWY 13R

SW-4, 07 AUG 2025 to 02 OCT 2025

FALLON, NEVADA

RNAV (GPS) RWY 31L

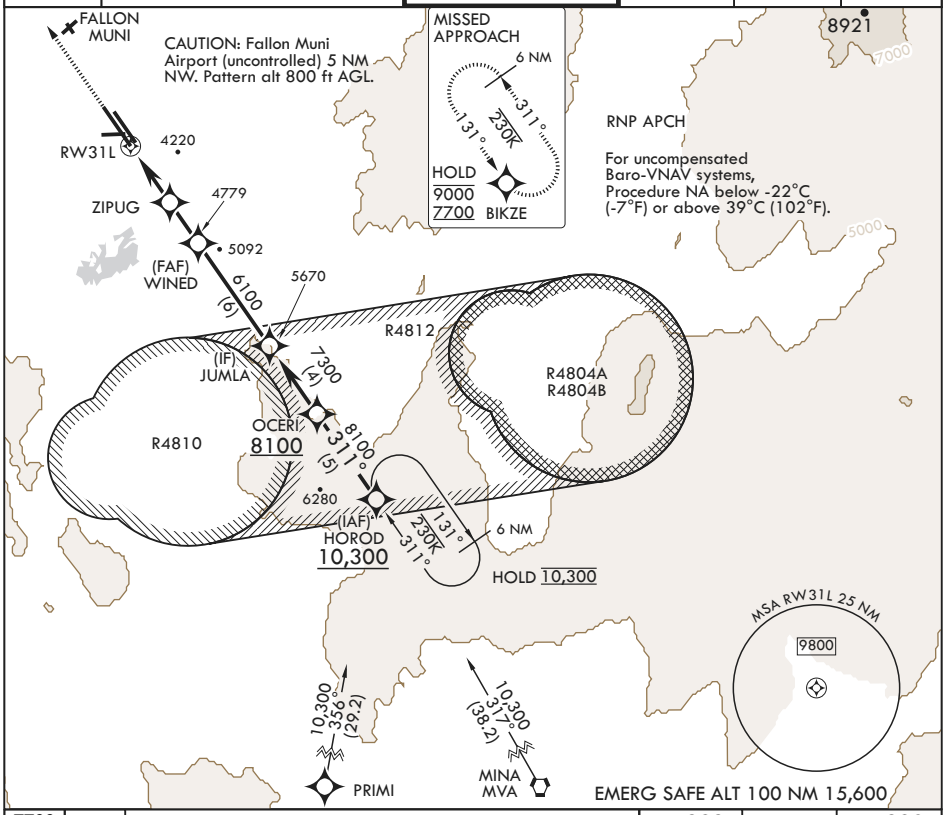
APCH CRS	Rwy Idg	14,001
311°	TDZE	3927
	Arpt Elev	3935

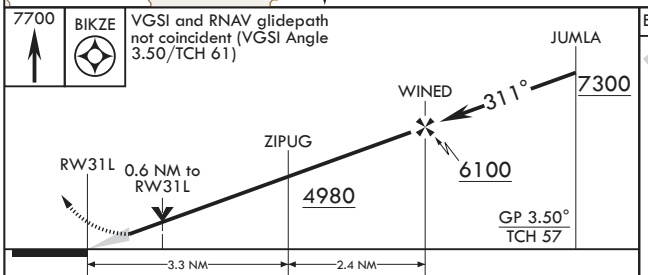
AL-143 (USN)

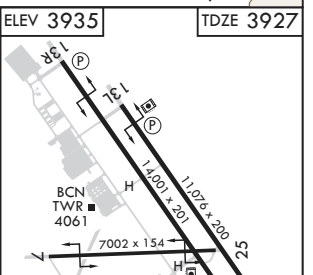
FALLON NAS (VAN VOORHIS FLD) (KNFL)

MISSED APPROACH: Climb to 7700 direct BIKZE and hold, continue climb-in-hold to 7700.

ATIS★	NAVY FALLON APP CON/DEP CON	NAVY FALLON TOWER★	GND CON	CLNC DEL	ASR/PAR
370.925	120.85 360.2	119.25 340.2	251.15	353.55	







CATEGORY	A	B	C	D
LNAV/VNAV DA	4200-⅞	273	(300-⅞)	
LNAV MDA	4200-1	273	(300-1)	
C CIRCLING	4400-1 465 (500-1)		4700-2¼ 765 (800-2¼)	4920-3 985 (1000-3)

HIRL all Rwys

39°25'N - 118°42'W

SW-4, 07 AUG 2025 to 02 OCT 2025

FALLON, NEVADA

TACAN Y RWY 13R

TACAN	APCH CRS	Rwy Idg	TDZE	Arpt Elev
NFL Chan 82	141°	14,001	3935	3935

[USN] FALLON NAS (VAN VOORHIS FLD) (KNFL)

MISSED APPROACH: Climb direct NFL TACAN, then climbing left turn to 10,500. Intercept NFL R-117 outbound to MUFIT and hold. Continue climb-in-hold to 10,500.

ATIS ★	NAVY FALLON APP CON	NAVY FALLON TOWER★	GND CON	CLNC DEL	ASR/PAR
370.925	120.85 360.2	119.25 340.2	251.15	353.55	

Knots	60	120	180	240	300	360
V/V(fpm)	205	410	615	820	1025	1230

*Min climb of 205 ft/NM to 8600 - Controlling Obstacle Unk

CAUTION:
Fallon Muni Airport (uncontrolled) 5 NM NW PATTERN alt 800' AGL

CAUTION:
RCL 91' from FAC at 3000' from threshold.

LOVELOCK
116.5 LLC
Chan 112

HAZEN
114.1 HZN
Chan 88

FALLON
Chan 82 NFL

R4813A
R4813B
10,200
151°
(26.9)
HOLD 10,200
(IAF)
PILOW
NFL 20
10,200
202°
230K
022°
NFL 27
202°
4226
R-321
(IF)
TYWAN
NFL 12
NFL 12 Arc
6000
LR-331
5600
141°
AZGER
NFL 12
R-022
10,200
051°
(27.3)
CUPIR
NFL 6
FALLON MUNI
4286
WONVO
NFL 3
4076
4613
4383
7116
R4803
EMERG SAFE ALT 100 NM 15,600
ELEV 3935
TDZE 3935
141°
MUFIT
NFL 20
HOLD 10,500
R4812
(not to scale)
297°
117°
230K
R-117
NFL 30
MSA NFL 25 NM
195°
8100
9800
025°
295°
8500
TWR
4085
7002 x 154
14,001 x 201
11,076 x 200
13R
31L
31R
25
TYWAN
NFL
12
6000
10,500
NFL
NFL
R-117
MUFIT
NFL
20
CUPIR
NFL
6
141°
5600
3.16°
TCH 52
WONVO
NFL
3
NFL
TACAN
NUWXO
NFL
2.3
1.8
4560
3 NM
1.2 NM
0.6

CATEGORY	A		B		C		D	
S-13R *	4340-1	405	(500-1)		4340-1⅛	405	(500-1⅛)	
S-13R	4440-1	505	(600-1)		4440-1⅜	505	(600-1⅜)	
C CIRCLING	4400-1	465	(500-1)		4700-2¼ 765	(800-2¼)	4920-3 985	(1000-3)

HIRL all rwys

39° 25'N-118° 42'W FALLON NAS (VAN VOORHIS FLD) (KNFL)

TACAN Y RWY 13R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FALLON, NEVADA

TACAN Y RWY 31L/R

TACAN	APCH CRS	Rwy Idg	31L 14,001	31R 11,076
NFL Chan 82	297°	TDZE	31L 3927	31R 3928
		Arpt Elev 3935		

[USN] FALLON NAS (VAN VOORHIS FLD) (KNFL)

MISSED APPROACH: Climb direct NFL TACAN, then climbing right turn to 7600. Intercept NFL R-342 outbound to WATER and hold. Continue climb-in-hold to 7600.

ATIS ★	NAVY FALLON APP CON	NAVY FALLON TOWER ★	GND CON	CLNC DEL	ASR/PAR
370.925	120.85 360.2	119.25 340.2	251.15	353.55	

LOVELOCK 116.5 LLC Chan 112

HAZEN 114.1 HZN Chan 88

FALLON Chan 82 NFL

10,000 151° (26.9)

10,000 051° (27.3)

11,000 106° (34.5)

HOLD 7600 NFL 19 230K 162° 342°

WATER NFL 12

FALLON MUNI

R-342

4607

7146

(IAF) PILOW NFL 20 202° 230K 022°

R4813A R4813B (not to scale)

NFL 27

HOLD 10,000

LENCO NFL 13

R-022

NFL 13 Arc

ZOPIS NFL 13

R-075

6086

4613

3976

4383

CITAB NFL 3

MIRKE NFL 6

4193

5700

LR-108

6700

297°

HAKOG NFL 10

4719

ELMMR NFL 13

(IAF) MUFIT NFL 20

R4812

HOLD 10,500 117° 230K

5636

R-117

NFL 30

CAUTION: Fallon Muni Airport (uncontrolled) 5NM NW PATTERN alt 800 AGL.

R4803

MSA NFL 25 NM 195° 8100 9800 025° 295° 8500

Rwy 31L: RCL 696 ft to final apch crs at 3000 from THLD.

Rwy 31R: RCL 304 ft to final apch crs at 3000 from THLD.

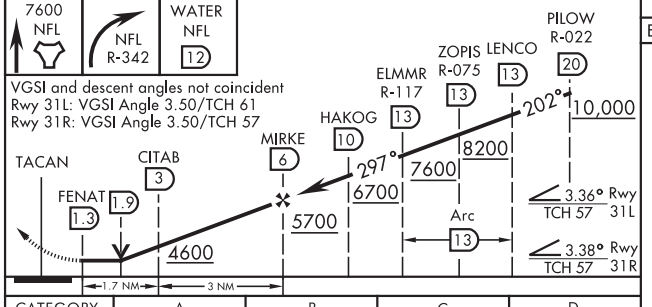
EMERG SAFE ALT 100 NM 15,600

7600 NFL

NFL R-342

WATER NFL 12

VGSI and descent angles not coincident
Rwy 31L: VGSI Angle 3.50/TCH 61
Rwy 31R: VGSI Angle 3.50/TCH 57

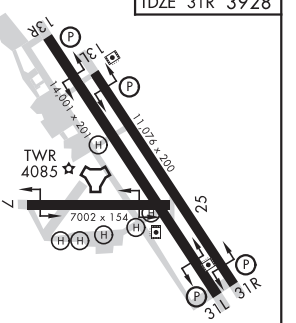


CATEGORY	A	B	C	D
S-31L	4240-1	313	(400-1)	
S-31R	4240-1	312	(400-1)	
C CIRCLING	4400-1 465 (500-1)		4700-2¼ 765 (800-2¼)	4920-3 985 (1000-3)

ELEV 3935

TDZE 31L 3927

TDZE 31R 3928



HIRL all rwys

297°

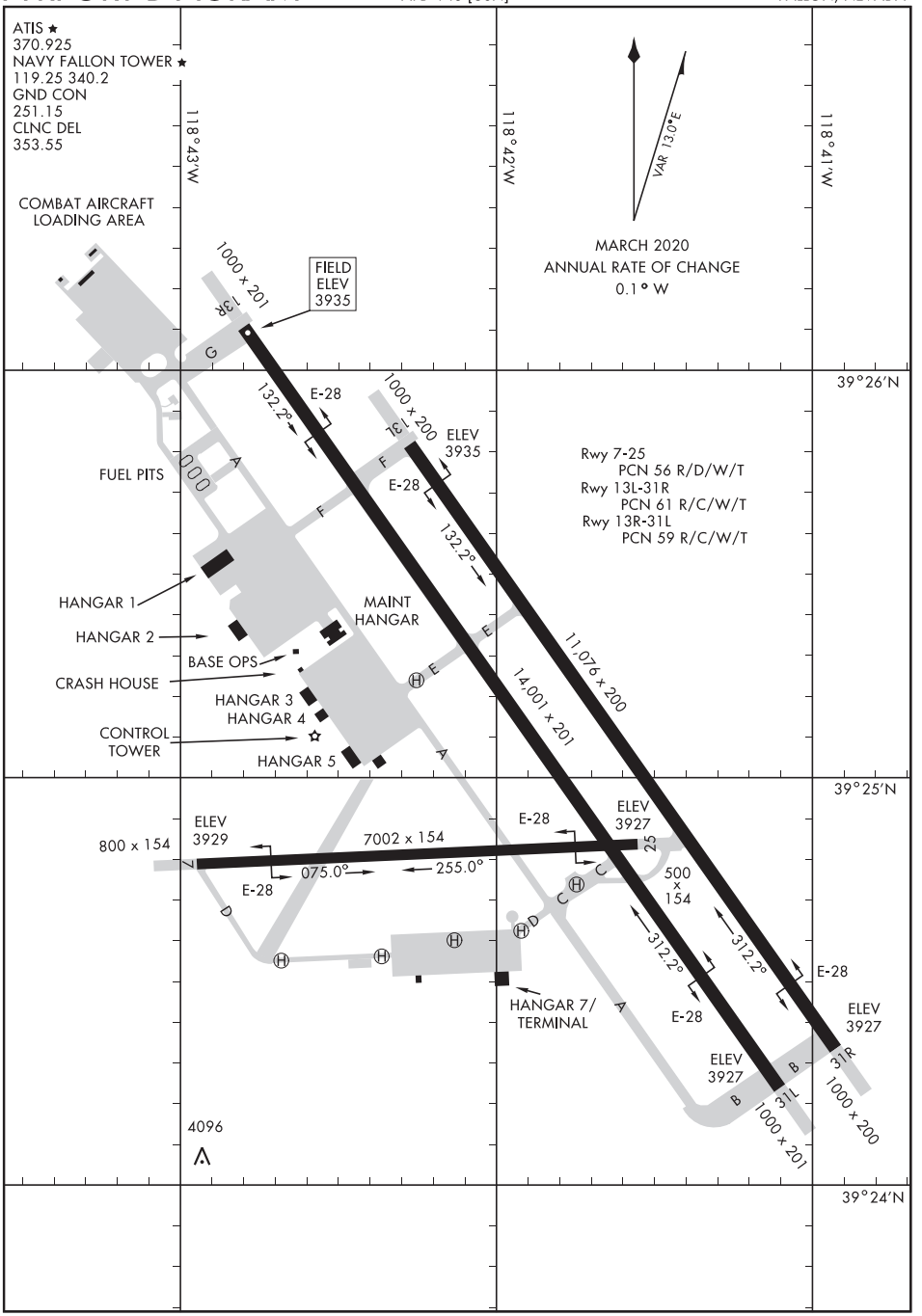
FALLON, NEVADA

39° 25'N-118° 42'W FALLON NAS (VAN VOORHIS FLD) (KNFL)

Amdt 3 19MAY22

TACAN Y RWY 31L/R

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

22083

FALLON NAS (VAN VOORHIS FLD) (KNFL)

TYWAN-ONE DEPARTURE (TYWAN1•TYWAN)

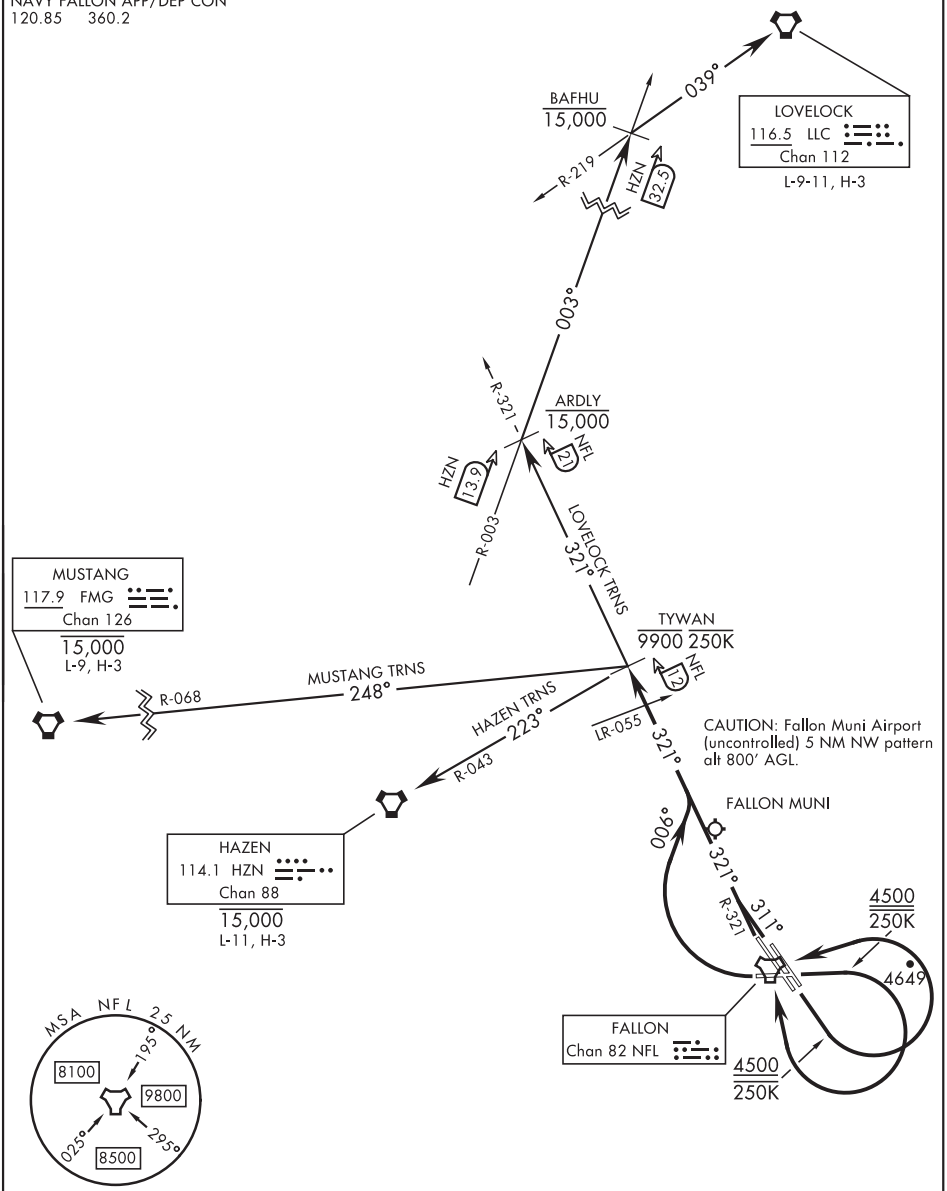
FALLON, NEVADA

ATIS 370.925 ★
CLNC DEL
353.55
GND CON
251.15
NAVY FALLON TOWER ★
119.25 340.2
NAVY FALLON APP/DEP CON
120.85 360.2

AL-143 [USN]

Rwy	Knots	60	120	180	240	300	360
7	V/V(fpm)	217	434	651	868	1085	1302

Minimum Climb Rate to 4900



(Continued on next page)

TA FL180

SW-4, 07 AUG 2025 to 02 OCT 2025

AL-143 [USN]

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 7: Climb to 4500, then climbing right turn to NFL TACAN, intercept NFL R-321 to TYWAN and cross TYWAN at or below 9900. Do not exceed 250 KIAS until TYWAN.

TAKEOFF RWY 13L/R: Climb to 4500, then climbing left turn to NFL TACAN, intercept NFL R-321 to TYWAN and cross TYWAN at or below 9900. Do not exceed 250 KIAS until NFL.

TAKEOFF RWY 25: Climbing right turn to intercept NFL TACAN R-321 to TYWAN. Cross TYWAN at or below 9900. Do not exceed 250 KIAS until established on NFL R-321.

TAKEOFF RWY 31L/R: Climb on heading 311° to intercept NFL TACAN R-321 to TYWAN. Cross TYWAN at or below 9900.

HAZEN TRANSITION (TYWAN1.HZN): Left turn direct HZN VORTAC. Cross HAZEN at or below 15,000 or as assigned by ATC.

LOVELOCK TRANSITION (TYWAN1.LLC): Direct ARDLY, right turn direct BAFHU, right turn direct LLC VORTAC. Cross ARDLY at or below 15,000 or as assigned by ATC.

MUSTANG TRANSITION (TYWAN1.FMG): Left turn direct FMG VORTAC. Cross MUSTANG at or below 15,000 or as assigned by ATC.

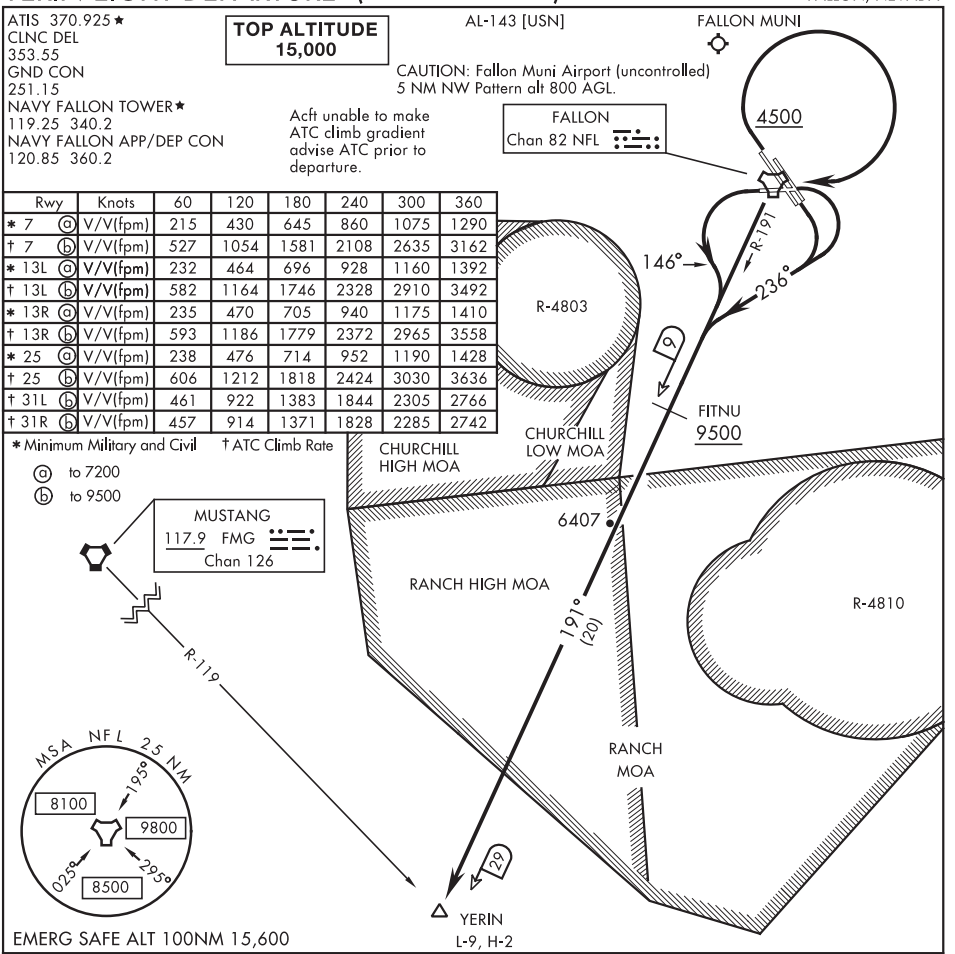
SW-4, 07 AUG 2025 to 02 OCT 2025

22083

FALLON NAS (VAN VOORHIS FLD) (KNFL)

YERIN-EIGHT DEPARTURE (YERIN8 • YERIN)

FALLON, NEVADA



Rwy	Knots	60	120	180	240	300	360
* 7 ⓐ	V/V(fpm)	215	430	645	860	1075	1290
† 7 ⓑ	V/V(fpm)	527	1054	1581	2108	2635	3162
* 13L ⓐ	V/V(fpm)	232	464	696	928	1160	1392
† 13L ⓑ	V/V(fpm)	582	1164	1746	2328	2910	3492
* 13R ⓐ	V/V(fpm)	235	470	705	940	1175	1410
† 13R ⓑ	V/V(fpm)	593	1186	1779	2372	2965	3558
* 25 ⓐ	V/V(fpm)	238	476	714	952	1190	1428
† 25 ⓑ	V/V(fpm)	606	1212	1818	2424	3030	3636
† 31L ⓑ	V/V(fpm)	461	922	1383	1844	2305	2766
† 31R ⓑ	V/V(fpm)	457	914	1371	1828	2285	2742

* Minimum Military and Civil † ATC Climb Rate

ⓐ to 7200

ⓑ to 9500

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 7: Turn right hdg 236° to intercept NFL TACAN R-191 to YERIN. Cross FITNU at or above 9500. Do not exceed 250 KIAS until intercepting NFL R-191.

TAKE-OFF RWY 13L/R: Climbing right turn hdg 236° to interecpt NFL R-191 to YERIN. Cross FITNU at or above 9500. Do not exceed 250 KIAS until intercepting NFL R-191.

TAKE-OFF RWY 25: Climbing left turn hdg 146° to intercept NFL R-191 to YERIN. Cross FITNU at or above 9500. Do not exceed 250 KIAS until intercepting NFL R-191.

TAKE-OFF RWY 31L/R: Climb to 4500 via heading 311°, then climbing right turn to NFL TACAN, intercept NFL R-191 to YERIN. Do not exceed 250 KIAS until NFL TACAN. Cross FITNU at or above 9500.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	5040
CH 42917	041°	TDZE	4957
W04A		Apt Elev	4985

RNAV (GPS) RWY 4

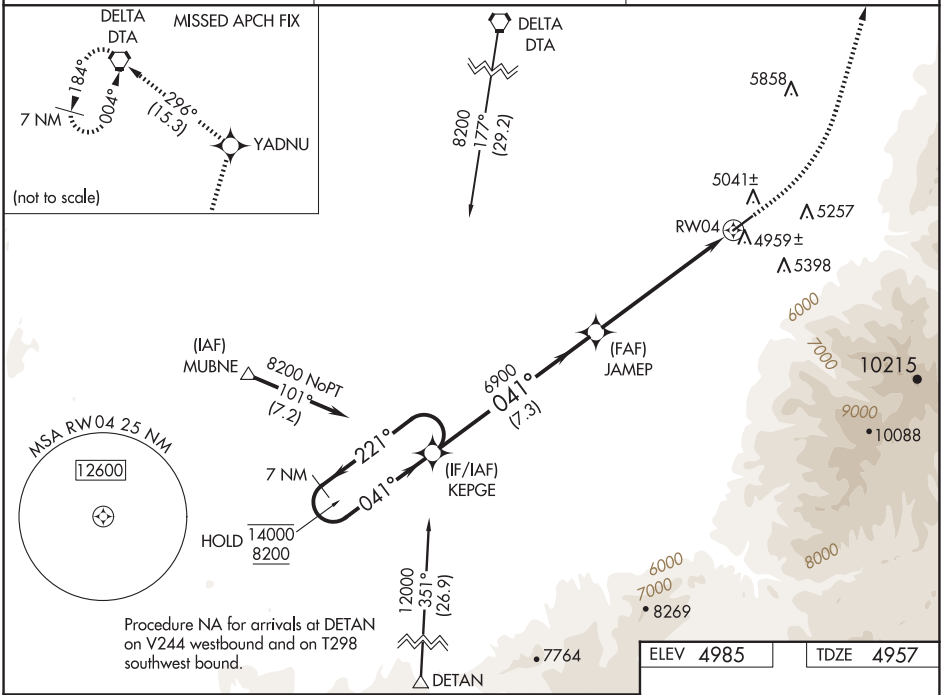
FILLMORE MUNI (FOM)

RNP APCH.

For uncompensated Baro-VNAV systems, procedure NA below -24°C or above 54°C.

MISSED APPROACH: Climb to 5500 then climbing left turn to 9600 direct YADNU and on track 296° to DTA VORTAC and hold.

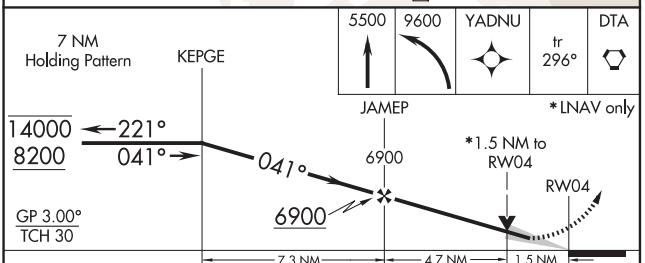
AWOS-3PT	SALT LAKE CITY CENTER	UNICOM
133.775	125.575 379.275	122.8 (CTAF) L

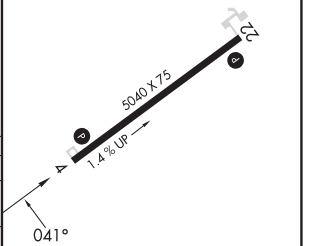


SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ELEV 4985	TDZE 4957





CATEGORY	A	B	C	D
LPV DA	5214-1 257 (300-1)			NA
LNAV/VNAV DA	5315-1 358 (400-1)			NA
LNAV MDA	5420-1 463 (500-1)		5420-1⅜ 463 (500-1⅜)	NA
C CIRCLING	5620-1 635 (700-1)		6200-3 1215 (1300-3)	NA

REIL Rwys 4 and 22
MIRL Rwy 4-22 L

FILLMORE, UTAH | AL-10425 (FAA) | 25163

RNAV (GPS) RWY 22

FILLMORE MUNI (FOM)

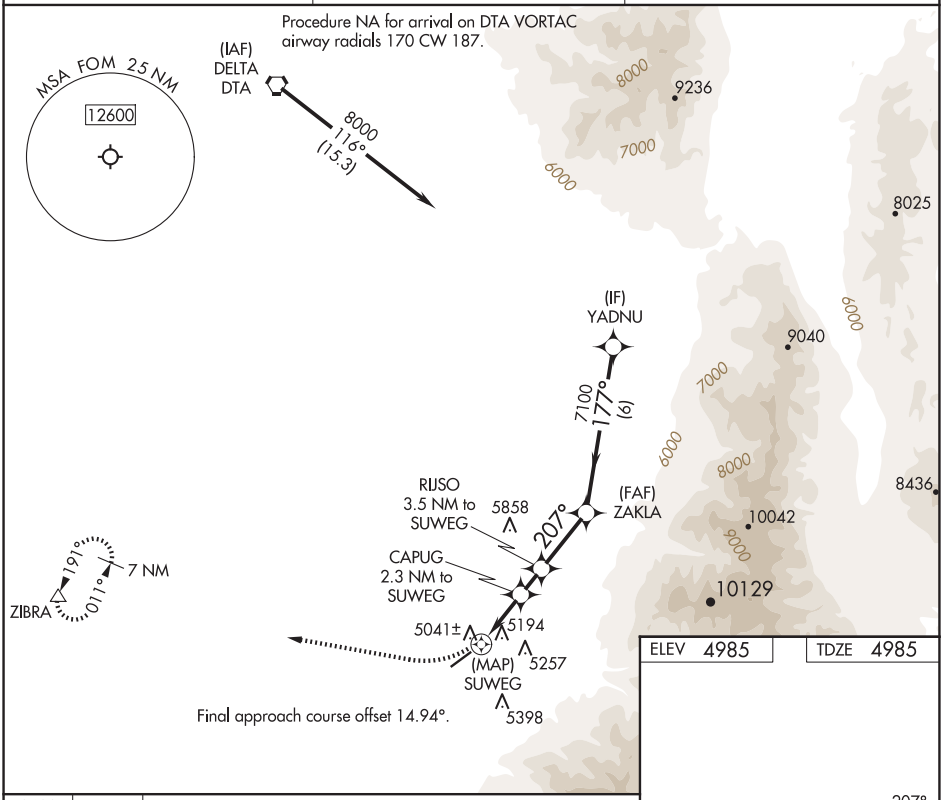
APP CRS	Rwy Ldg	5040
207°	TDZE	4985
	Apt Elev	4985

RNP APCH.

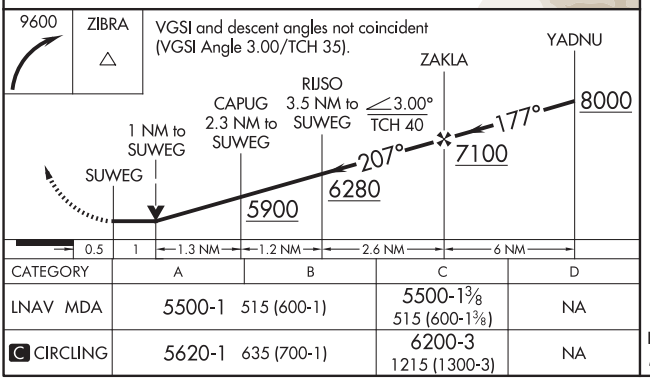
T A Rwy 22 helicopter visibility reduction below ¾ SM NA.

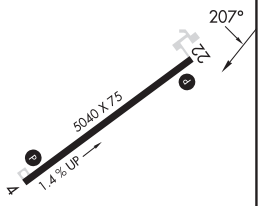
MISSED APPROACH: Climbing right turn to 9600 direct ZIBRA and hold, continue climb-in-hold to 9600.

AWOS-3PT	SALT LAKE CITY CENTER	UNICOM
133.775	125.575 379.275	122.8 (CTAF) L



ELEV 4985 | TDZE 4985





CATEGORY	A	B	C	D
LNAV MDA	5500-1 515 (600-1)		5500-1⅜ 515 (600-1⅜)	NA
C CIRCLING	5620-1 635 (700-1)		6200-3 1215 (1300-3)	NA

REIL Rwys 4 and 22
MIRL Rwy 4-22 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 21

FLAGSTAFF PULLIAM (FLG)

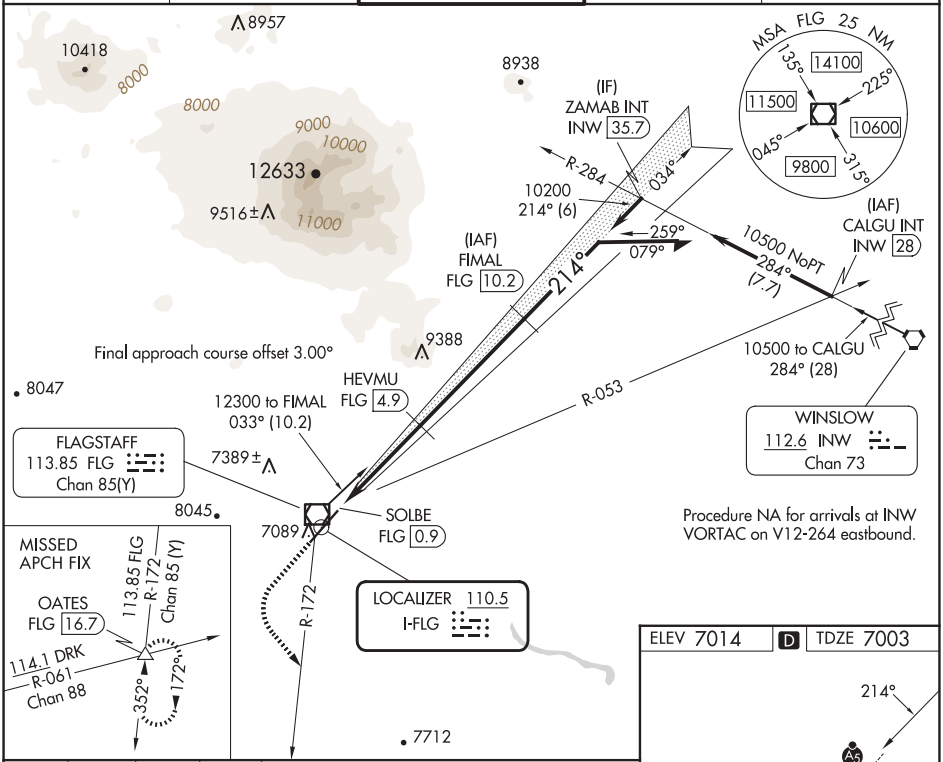
LOC I-FLG	APP CRS	Rwy Idg	7000
110.5	214°	TDZE	7003
		Apt Elev	7014

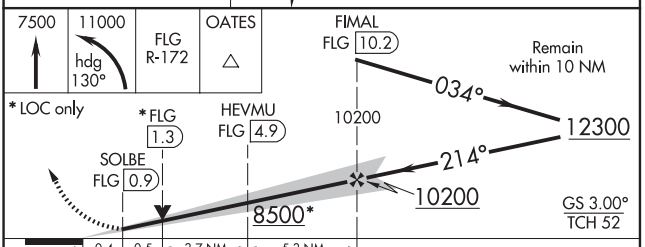
T A Autopilot coupled approach NA below 7640 feet. DME required. DME from FLG VOR/DME. Simultaneous reception of I-FLG and FLG DME required. For inop ALS increase S-ILS 21 all Cats visibility to ⅞.

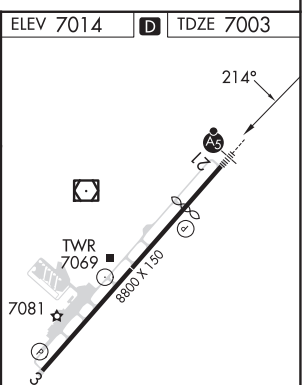
MALSR

MISSED APPROACH: Climb to 7500, then climbing left turn to 11000 on heading 130° and FLG R-172 to OATES INT/FLG VOR/DME 16.7 DME and hold, continue climb-in-hold to 11000.

ATIS	PHOENIX APP CON	FLAGSTAFF TOWER ★	GND CON	UNICOM
125.8	126.375 236.775	134.55 (CTAF) L 239.25	121.9	122.95







CATEGORY	A	B	C	D
S-ILS 21	7258-½ 255 (300-½)			
S-LOC 21	7340-½ 337 (400-½)			
C CIRCLING	7520-1 506 (600-1)	7560-1 546 (600-1)	8100-3 1086 (1100-3)	8560-3 1546 (1600-3)

HIRL Rwy 3-21 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 3

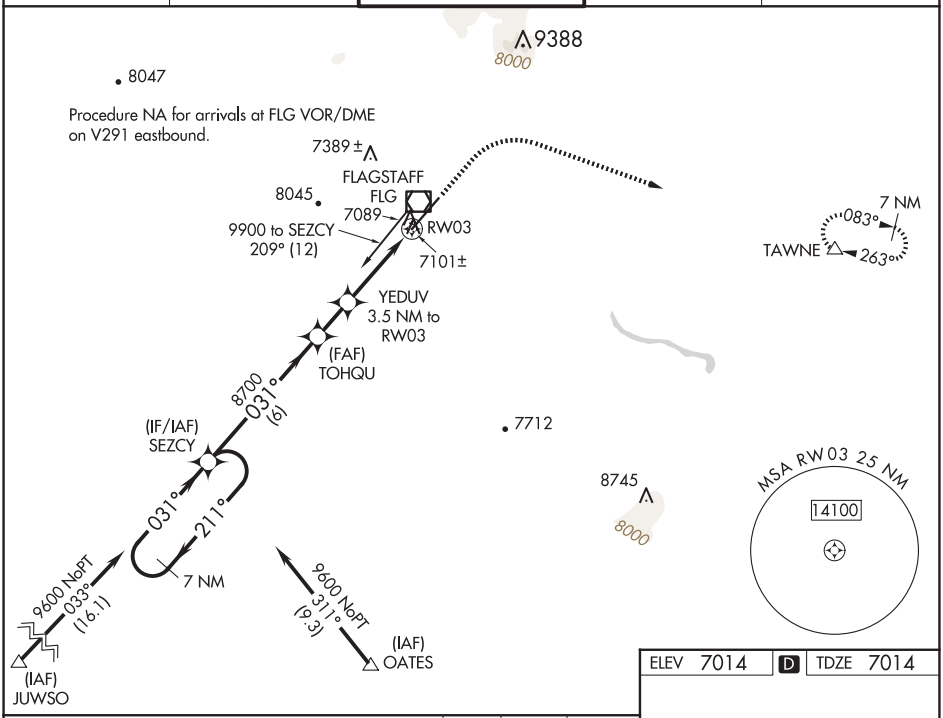
FLAGSTAFF PULLIAM (FLG)

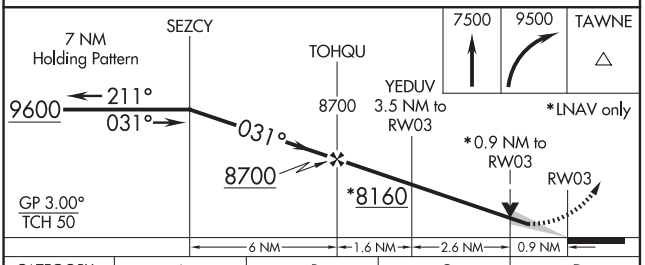
WAAS CH 45718 W03A	APP CRS 031°	Rwy Idg 8800 TDZE 7014 Apt Elev 7014

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 44°C (112°F). DME/DME RNP-0.3 NA.

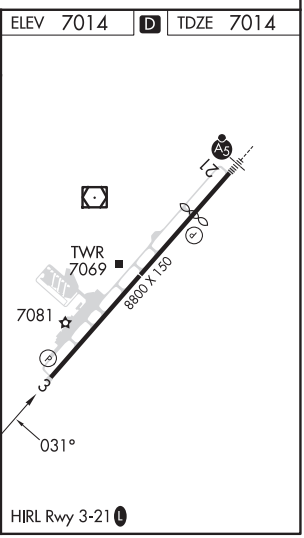
MISSED APPROACH: Climb to 7500 then climbing right turn to 9500 direct TAWNE and hold.

ATIS	PHOENIX APP CON	FLAGSTAFF TOWER ★	GND CON	UNICOM
125.8	126.375 236.775	134.55 (CTAF) L 239.25	121.9	122.95





CATEGORY	A	B	C	D
LPV DA	7264-¾	250 (300-¾)		
LNAV/VNAV DA	7282-⅞	268 (300-⅞)		
LNAV MDA	7360-1	346 (400-1)		
C CIRCLING	7520-1 506 (600-1)	7560-1 546 (600-1)	8100-3 1086 (1100-3)	8560-3 1546 (1600-3)



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	7000
CH 99341	214°	TDZE	7003
W21A		Apt Elev	7014

RNAV (GPS) RWY 21

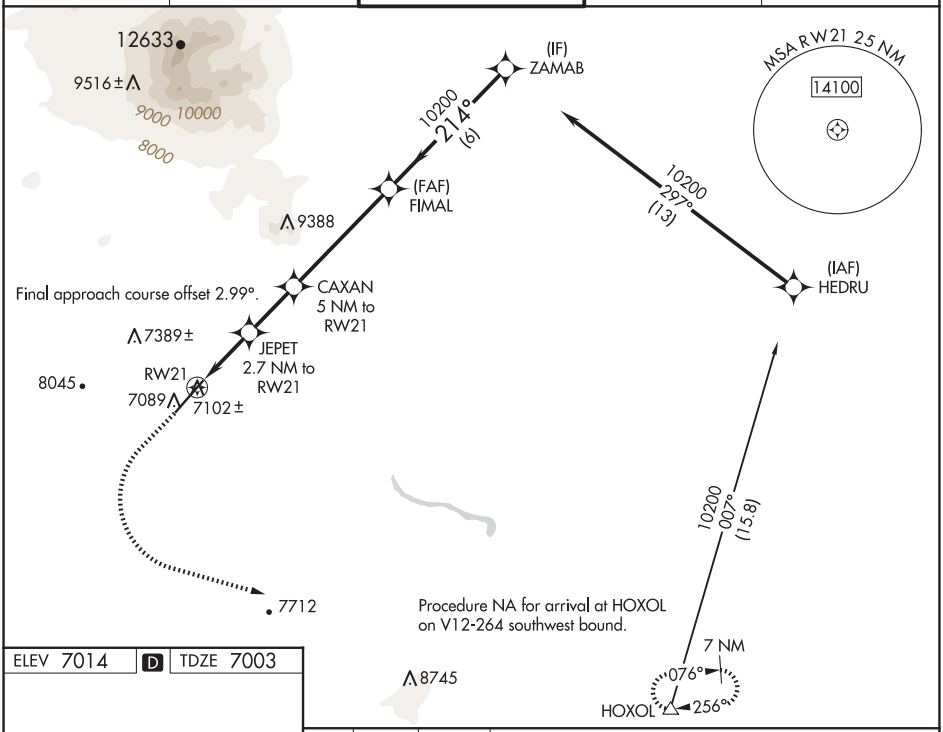
FLAGSTAFF PULLIAM (FLG)

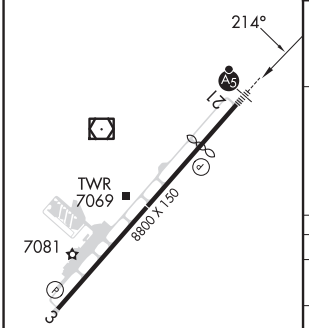
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19 °C (2°F) or above 44°C (111°F). DME/DME RNP-0.3 NA. For inop ALS, increase LPV all Cats visibility to ⅞ SM.

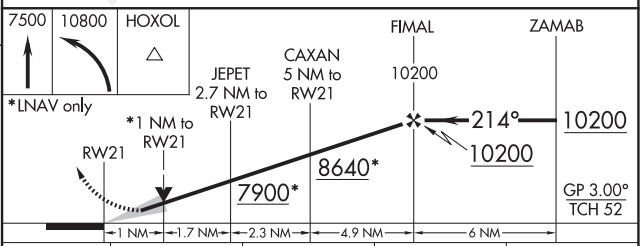
MALSR

MISSED APPROACH: Climb to 7500 then climbing left turn to 10800 direct HOXOL and hold.

ATIS	PHOENIX APP CON	FLAGSTAFF TOWER ★	GND CON	UNICOM
125.8	126.375 236.775	134.55 (CTAF) L 239.25	121.9	122.95







CATEGORY	A	B	C	D
LPV DA	7258-½ 255 (300-½)			
LNAV/VNAV DA	7319-⅝ 316 (400-⅝)			
LNAV MDA	7360-½ 357 (400-½)		7360-⅝ 357 (400-⅝)	
C CIRCLING	7520-1 506 (600-1)	7560-1 546 (600-1)	8100-3 1086 (1100-3)	8560-3 1546 (1600-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FLAGSTAFF, ARIZONA | AL-5034 (FAA) | 25051

VOR RWY 21

FLAGSTAFF PULLIAM (FLG)

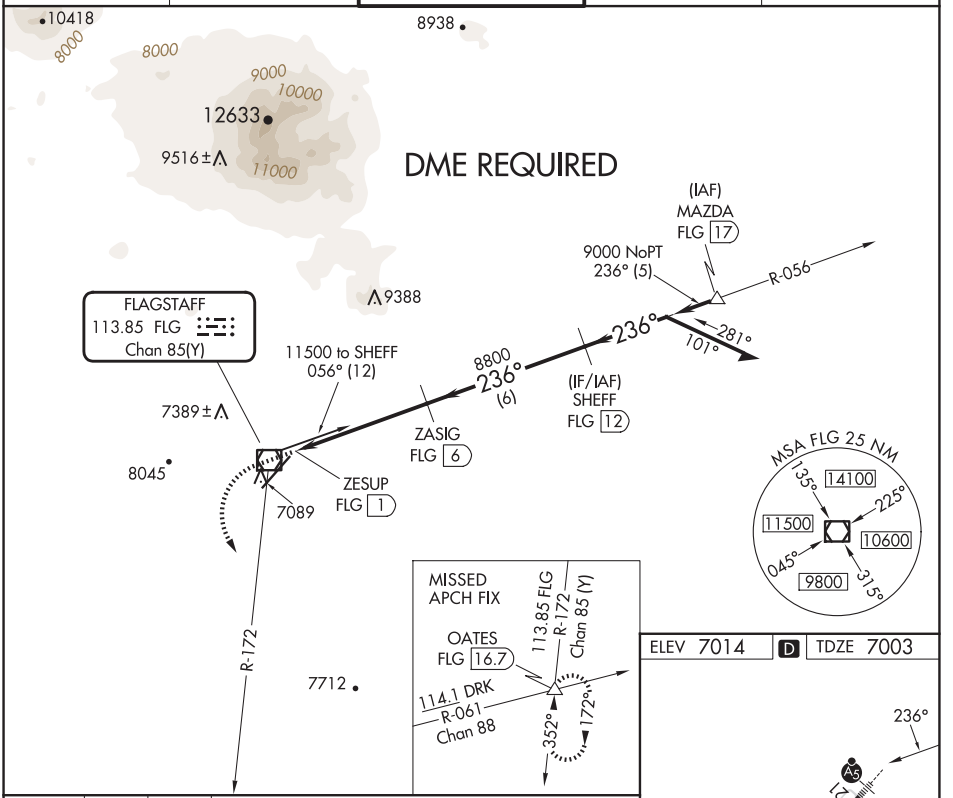
VOR/DME FLG	APP CRS	Rwy Idg 7000
113.85	236°	TDZE 7003
Chan 85 (Y)		Apt Elev 7014

T A Rwy 21 helicopter visibility reduction below 1 SM NA. DME required. Inop table does not apply to S-21 Cats A/B. Night landing: Rwy 21, operational VGSI required, remain on or above VGSI glidepath until threshold.

MALSR

MISSED APPROACH: Climbing left turn to 11000 on heading 130° and FLG R-172 to OATES INT/16.7 DME, continue climb-in-hold.

ATIS	PHOENIX APP CON	FLAGSTAFF TOWER ★	GND CON	UNICOM
125.8	126.375 236.775	134.55 (CTAF) L 239.25	121.9	122.95



CATEGORY	A	B	C	D
S-21	7520-1 517 (600-1)			
C CIRCLING	7520-1 506 (600-1)	7560-1 546 (600-1)	8100-3 1086 (1100-3)	8560-3 1546 (1600-3)

HIRL Rwy 3-21 L

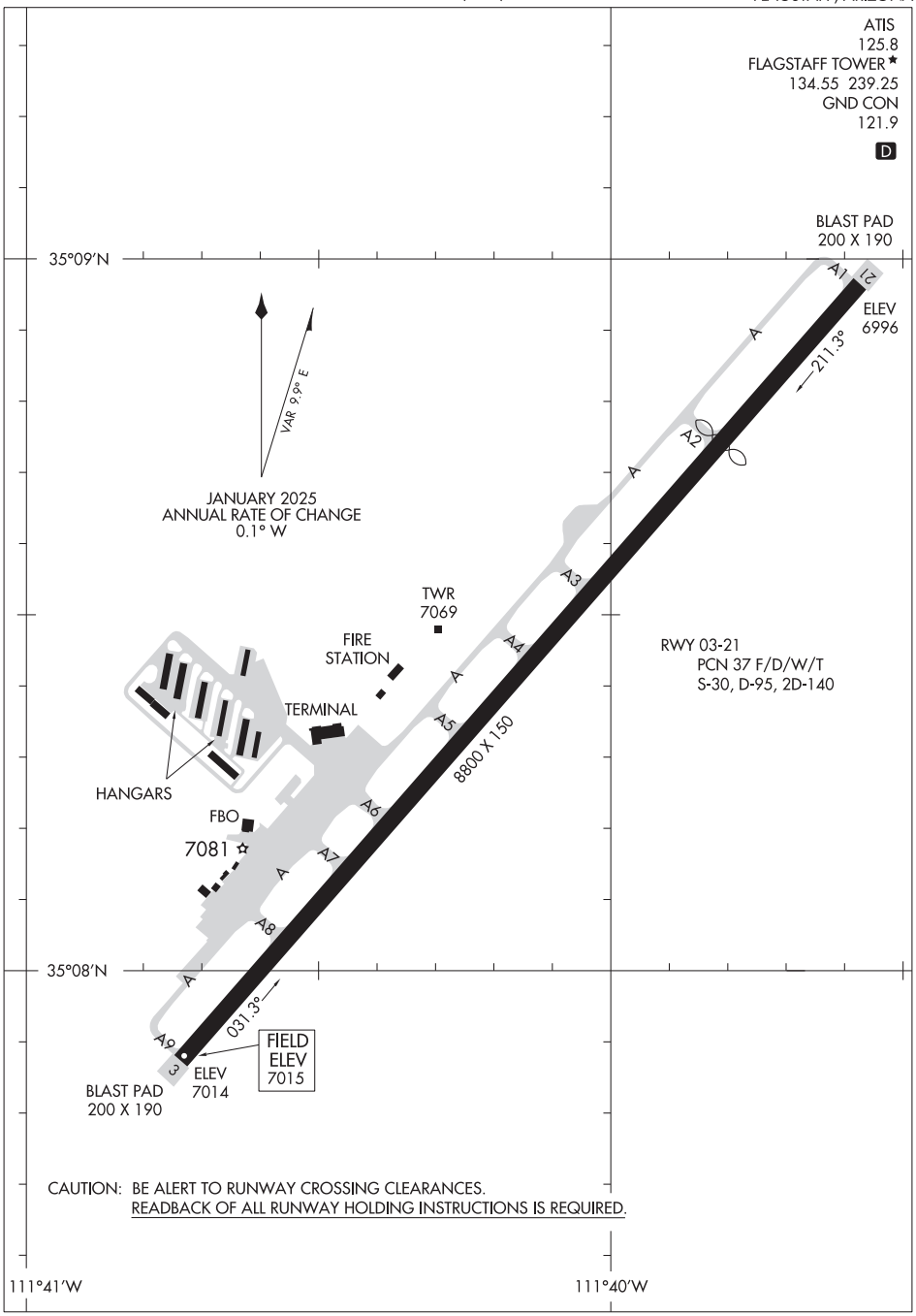
FLAGSTAFF, ARIZONA
Amdt 1A 01FEB18

35°08'N-111°40'W

FLAGSTAFF PULLIAM (FLG)
VOR RWY 21

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

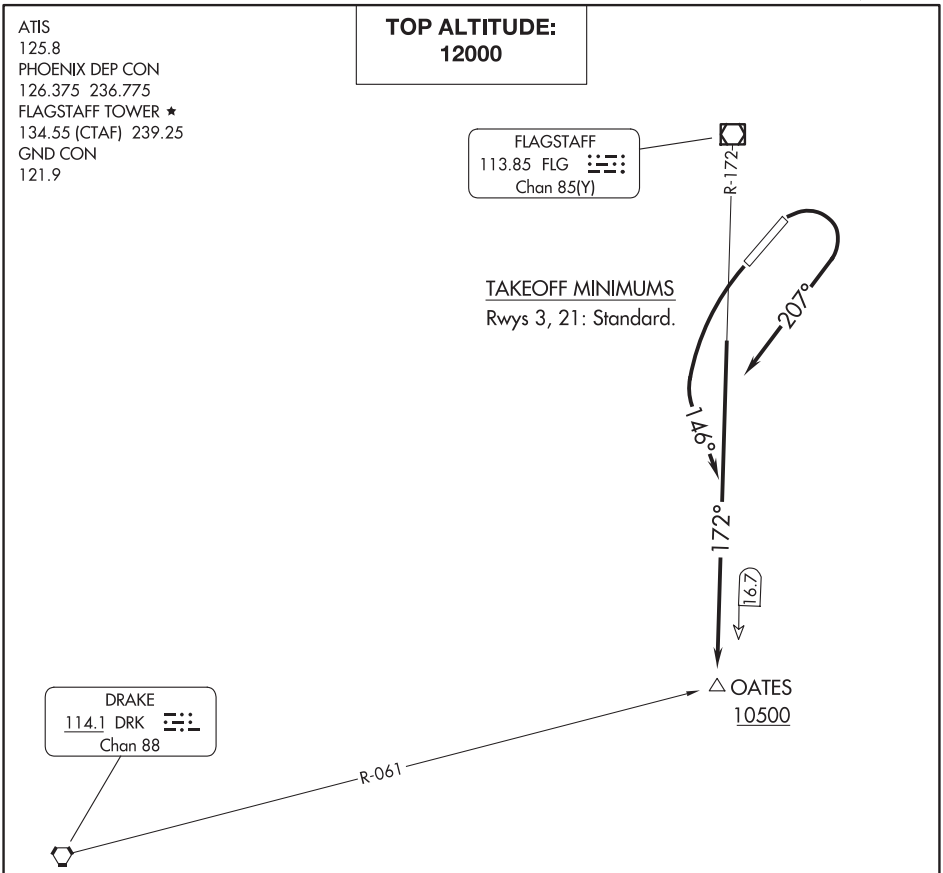
(FLG1.OATES) 23334

FLAGSTAFF ONE DEPARTURE

AL-5034 (FAA)

FLAGSTAFF PULLIAM (FLG)
FLAGSTAFF, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing right turn heading 207° and FLG R-172 to OATES INT, cross at or above 10500, thence. . . .

TAKEOFF RUNWAY 21: Climbing left turn heading 146° and FLG R-172 to OATES INT, cross at or above 10500, thence. . . .

. . . .as assigned by ATC, continue climb to MEA/MCA for direction of flight.

LOC I-FHU	APP CRS	Rwy Idg	12001
109.9	260°	TDZE	4629
		Apt Elev	4719

ILS or LOC RWY 26

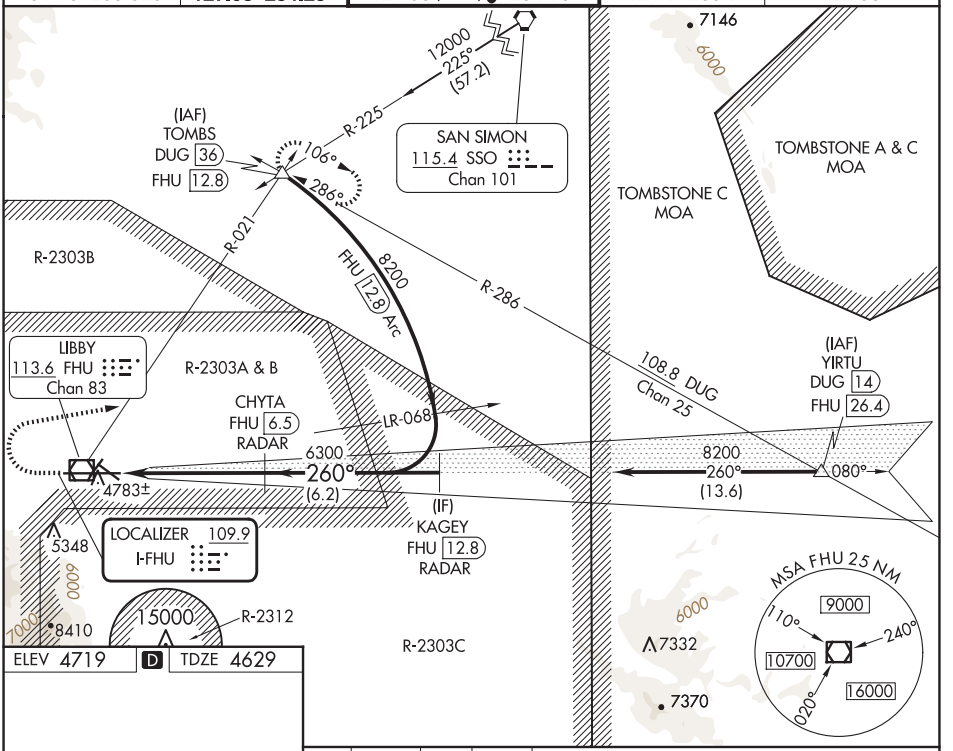
SIERRA VISTA MUNI-LIBBY AAF (FHU)

DME or RADAR required.

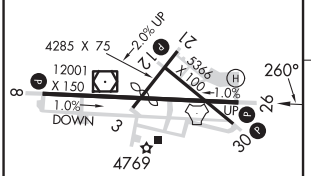
Circling NA south of Rwys 8 and 30.

MISSED APPROACH: Climb to 5300 then climbing right turn to 9500 on heading 067° and FHU VOR/DME R-021 to TOMBS INT/DUG 36 DME and hold, continue climb-in-hold to 9500.

ATIS	LIBBY AAF GCA★	LIBBY TOWER★	GND CON	UNICOM
134.75 263.025	127.05 254.25	124.95 (CTAF) L 284.75	121.7 268.7	122.95

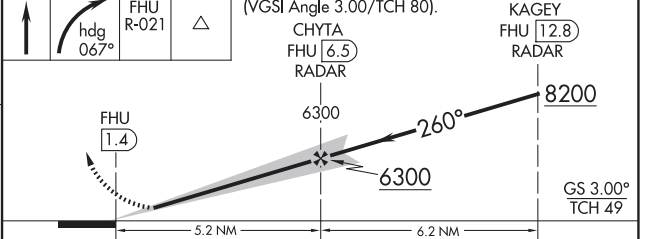


ELEV 4719	D	TDZE 4629



5300	9500	FHU R-021	TOMBS
↑	hdg 067°		△

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 80).



CATEGORY	A	B	C	D
S-ILS 26	4829-¾ 200 (200-¾)			
S-LOC 26	5020-1 391 (400-1)		5020-1¼ 391 (400-1¼)	
CIRCLING	5160-1 441 (500-1)	5180-1 461 (500-1)	5180-1½ 461 (500-1½)	5280-2 561 (600-2)

HIRL Rwy 8-26 L
MIRL Rwys 3-21 and 12-30 L

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FORT HUACHUCA SIERRA VISTA, ARIZONA AL-5081 (FAA) 25051

WAAS	APP CRS	Rwy Idg	12001
CH 82123	080°	TDZE	4719
W08A		Apt Elev	4719

RNAV (GPS) RWY 8

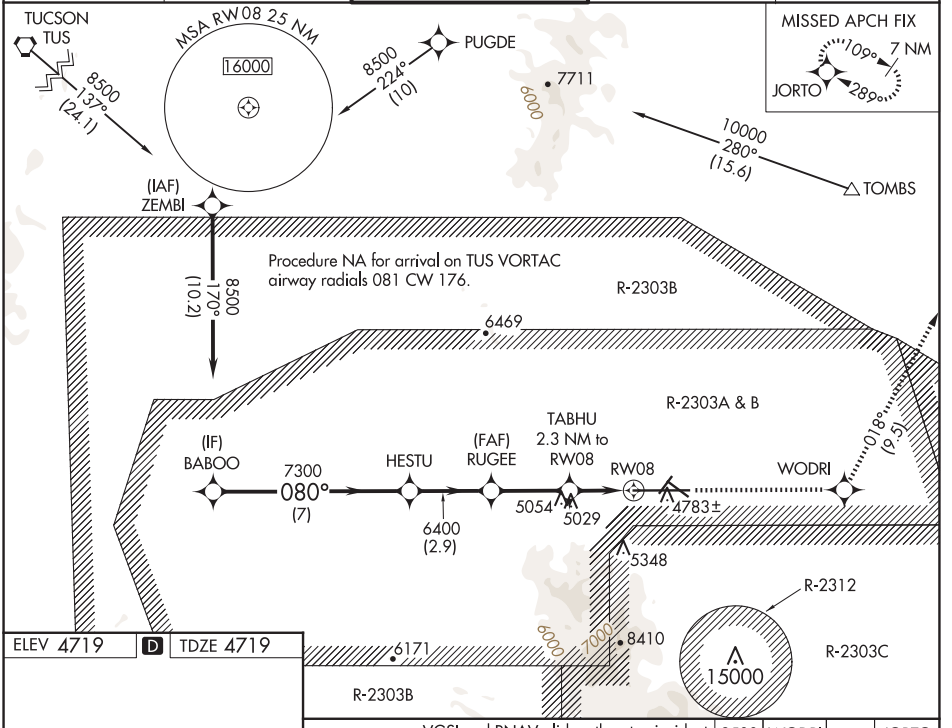
SIERRA VISTA MUNI-LIBBY AAF (FHU)

RNP APCH.

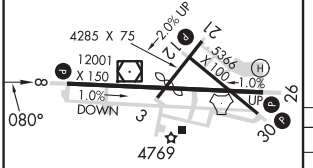
T A Circling NA south of Rwy 8-30. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C or above 47°C.

MISSED APPROACH: Climb to 9500 direct WODRI and on track 018° to JORTO and hold, continue climb-in-hold to 9500.

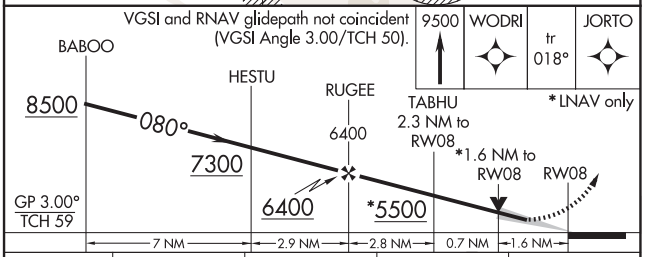
ATIS	LIBBY AAF GCA★	LIBBY TOWER ★	GND CON	UNICOM
134.75 263.025	127.05 254.25	124.95 (CTAF) L 284.75	121.7 268.7	122.95



ELEV 4719 D TDZE 4719



HIRL Rwy 8-26 L
MIRL Rwys 3-21 and 12-30 L



CATEGORY	A	B	C	D
LPV DA	4919-¾ 200 (200-¾)			
LNAV/VNAV DA	5059-1⅛ 340 (400-1⅛)			
LNAV MDA	5280-1 561 (600-1)		5280-1⅝ 561 (600-1⅝)	
CIRCLING	5280-1 561 (600-1)		5280-1⅝ 561 (600-1⅝)	5280-2 561 (600-2)

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	12001
260°	TDZE	4629
	Apt Elev	4719

RNAV (GPS) RWY 26

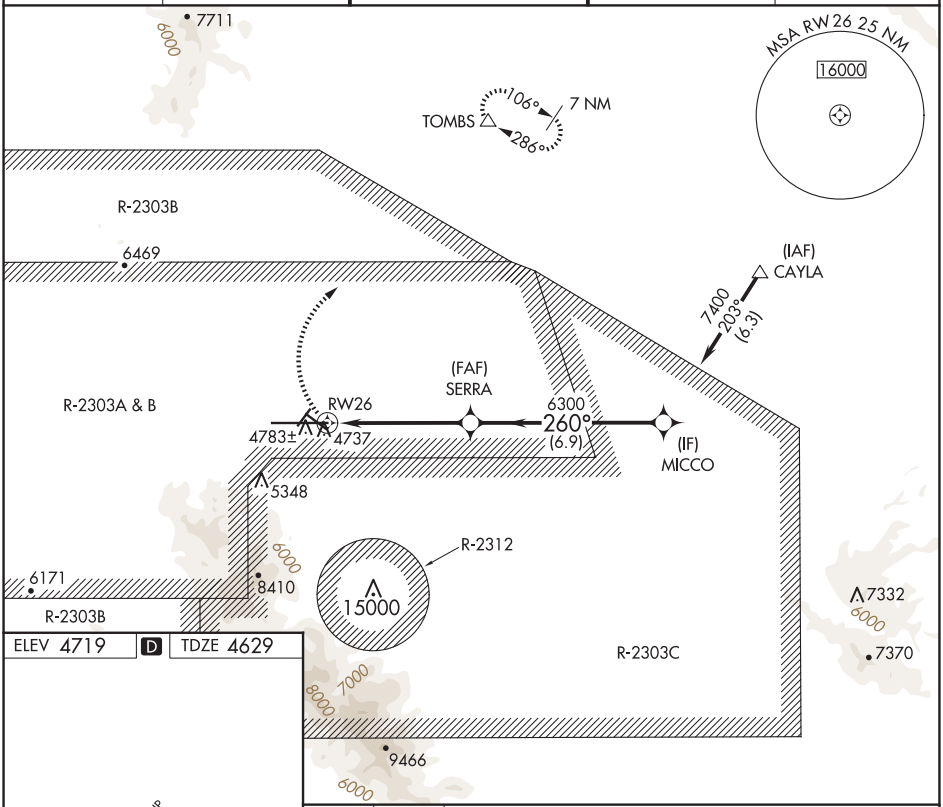
SIERRA VISTA MUNI-LIBBY AAF (FHU)

RNP APCH - GPS.

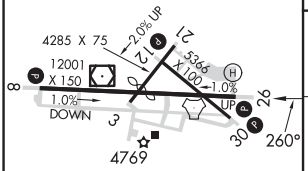
Circling NA south of runways 8 and 30.

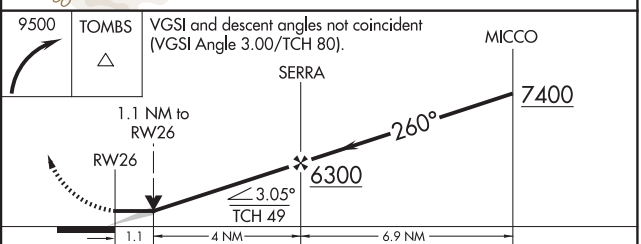
MISSED APPROACH: Climbing right turn to 9500 direct TOMBS and hold, continue climb-in-hold to 9500.

ATIS	LIBBY AAF GCA★	LIBBY TOWER★	GND CON	UNICOM
134.75 263.025	127.05 254.25	124.95 (CTAF) L 284.75	121.7 268.7	122.95



ELEV 4719 D TDZE 4629





CATEGORY	A	B	C	D
LNAV MDA	5040-1 411 (400-1)		5040-1¼ 411 (400-1¼)	
CIRCLING	5160-1 441 (500-1)	5180-1 461 (500-1)	5180-1½ 461 (500-1½)	5280-2 561 (600-2)

HIRL Rwy 8-26 L
MIRL Rwys 3-21 and 12-30 L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

FORT HUACHUCA SIERRA VISTA, ARIZONA | AL-5081 (FAA) | 25051

VOR/DME FHU	APP CRS	Rwy Idg	12001
113.6	259°	TDZE	4629
Chan 83		Apt Elev	4719

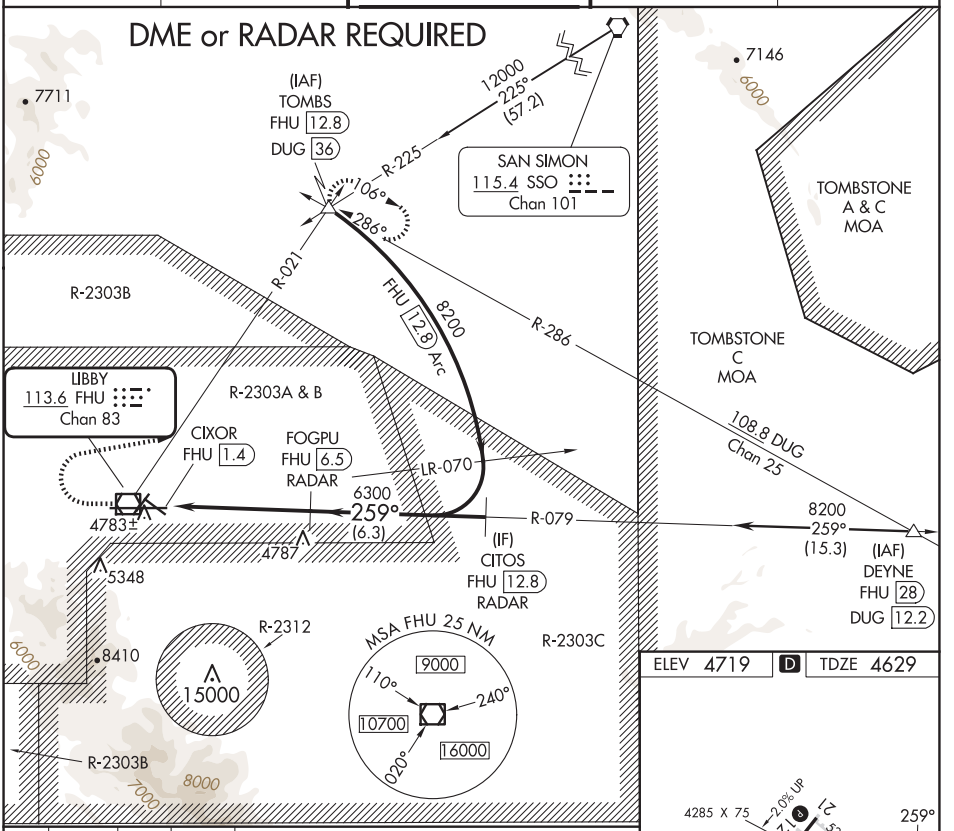
VOR RWY 26

SIERRA VISTA MUNI-LIBBY AAF (FHU)

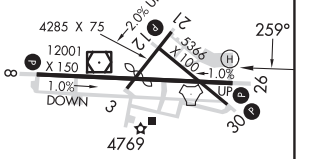
Circling NA south of Rwys 8 and 30.
DME or RADAR required.

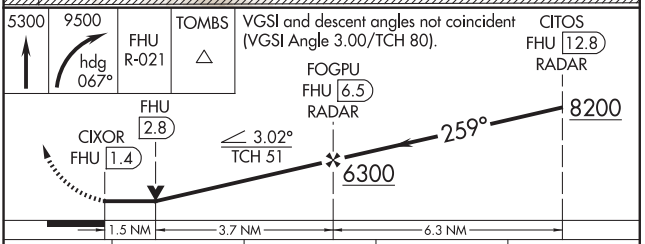
MISSED APPROACH: Climb to 5300 then climbing right turn to 9500 on heading 067° and FHU R-021 to TOMBS INT/ DUG 36 DME and hold, continue climb-in-hold to 9500.

ATIS	LIBBY AAF GCA★	LIBBY TOWER★	GND CON	UNICOM
134.75 263.025	127.05 254.25	124.95 (CTAF) L 284.75	121.7 268.7	122.95



ELEV 4719 D TDZE 4629





CATEGORY	A	B	C	D
S-26	5140-1 511 (500-1)		5140-1⅝ 511 (500-1⅝)	
CIRCLING	5160-1 441 (500-1)	5180-1 461 (500-1)	5180-1⅝ 461 (500-1⅝)	5280-2 561 (600-2)

HIRL Rwy 8-26 L
MIRL Rwys 3-21 and 12-30 L

FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

FORT HUACHUCA SIERRA VISTA, ARIZONA
Amdt 5A 01MAY14

31°35′N-110°21′W

SIERRA VISTA MUNI-LIBBY AAF (FHU)
VOR RWY 26

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TACAN ARH Chan 53 (111.6)	APP CRS 081°	Rwy Idg 12001 TDZE 4719 Apt Elev 4719

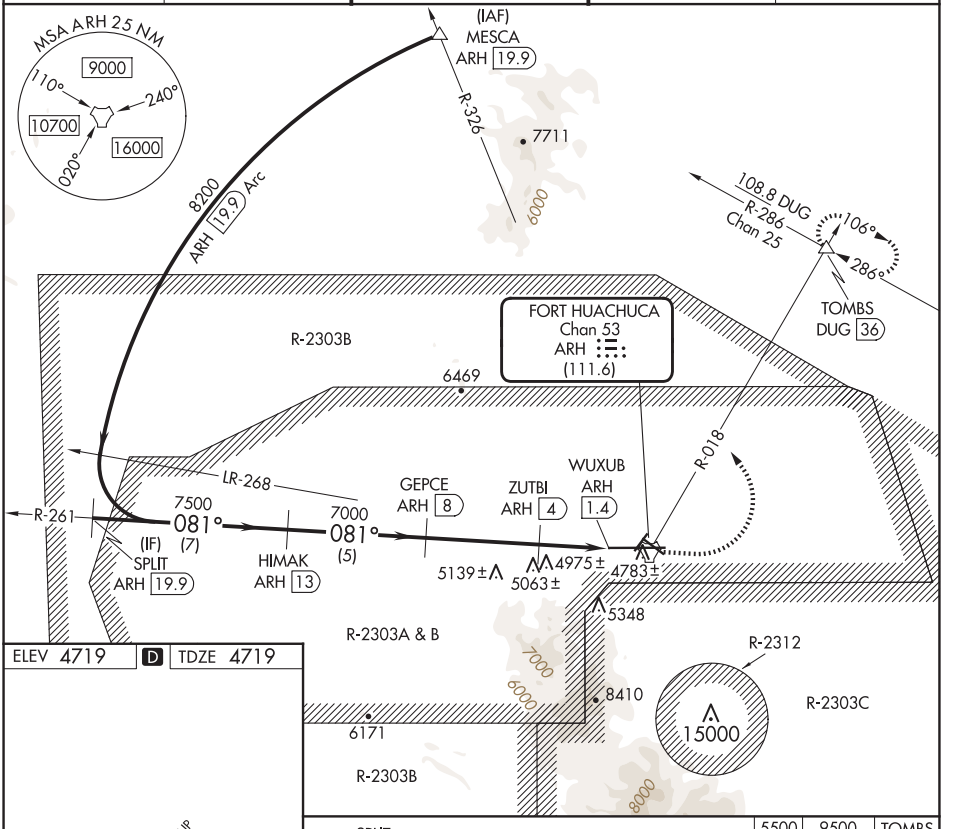
TACAN RWY 8

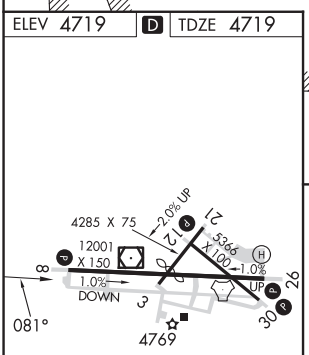
SIERRA VISTA MUNI-LIBBY AAF (FHU)

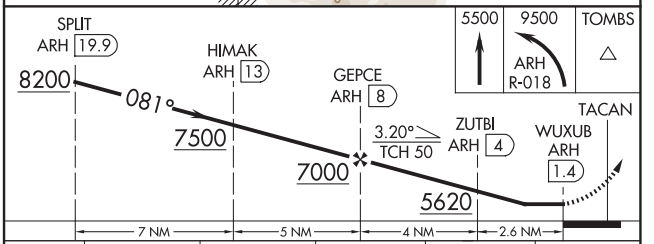
Circling NA south of Rwys 8 and 30.

MISSED APPROACH: Climb to 5500 then climbing left turn to 9500 on ARH R-018 to TOMBS INT/DUG 36 DME and hold.

ATIS	LIBBY AAF GCA*	LIBBY TOWER*	GND CON	UNICOM
134.75 263.025	127.05 254.25	124.95 (CTAF) L 284.75	121.7 268.7	122.95







CATEGORY	A	B	C	D	E
S-8	5260-1 541 (600-1)		5260-1½ 541 (600-1½)	5260-1¾ 541 (600-1¾)	5260-2 541 (600-2)
CIRCLING	5260-1 541 (600-1)		5260-1½ 541 (600-1½)	5280-2 561 (600-2)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FORT HUACHUCA SIERRA VISTA, ARIZONA | AL-5081 (FAA) | 25051

TACAN ARH Chan 53 (111.6)	APP CRS 251°	Rwy Idg 12001 TDZE 4629 Apt Elev 4719

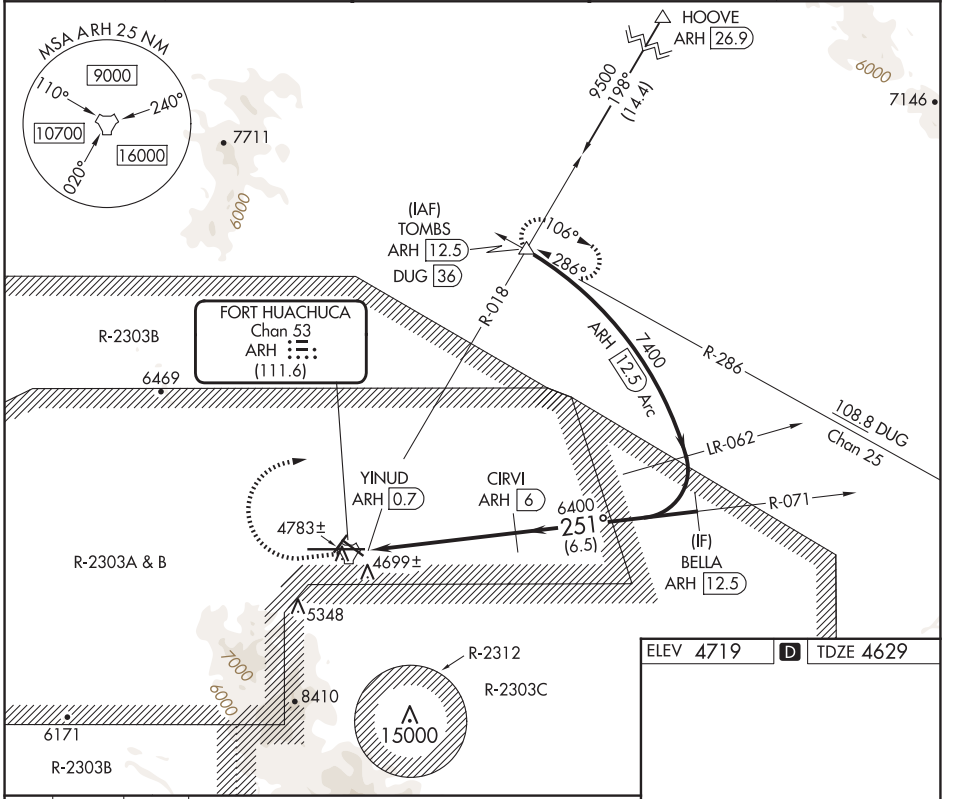
TACAN RWY 26

SIERRA VISTA MUNI-LIBBY AAF (FHU)

Circling NA south of Rwys 8 and 30.

MISSED APPROACH: Climb to 5300 then climbing right turn to 9500 on ARH R-018 to TOMBS INT/DUG 36 DME and hold.

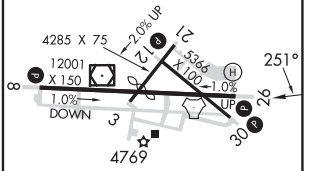
ATIS	LIBBY AAF GCA★	LIBBY TOWER ★	GND CON	UNICOM
134.75 263.025	127.05 254.25	124.95 (CTAF) L 284.75	121.7 268.7	122.95

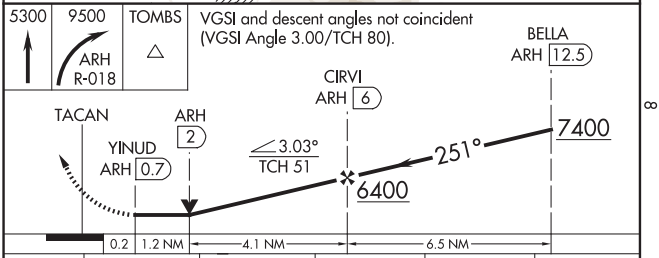


SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ELEV 4719 D TDZE 4629





CATEGORY	A	B	C	D	E
S-26	5100-1 471 (400-1)		5100-1¼ 471 (400-1¼)	5100-1½ 471 (400-1½)	5100-1¾ 471 (400-1¾)
CIRCLING	5160-1 441 (500-1)	5180-1 461 (500-1)	5180-1½ 461 (500-1½)	5280-2 561 (600-2)	

HIRL Rwy 8-26 L
MIRL Rwys 3-21 and 12-30 L

AIRPORT DIAGRAM

AL-5081 [USA]

SIERRA VISTA MUNI-LIBBY AAF (KFHU)

FORT HUACHUCA/SIERRA VISTA, ARIZONA

AIRPORT DIAGRAM

FORT HUACHUCA/SIERRA VISTA, ARIZONA

SIERRA VISTA MUNI-LIBBY AAF (KFHU)

SW-4, 07 AUG 2025 to 02 OCT 2025

GLENDALE, ARIZONA | AL-6915 (FAA) | 24249

WAAS CH 90306 W01A	APP CRS 014°	Rwy Idg 6279 TDZE 1049 Apt Elev 1071

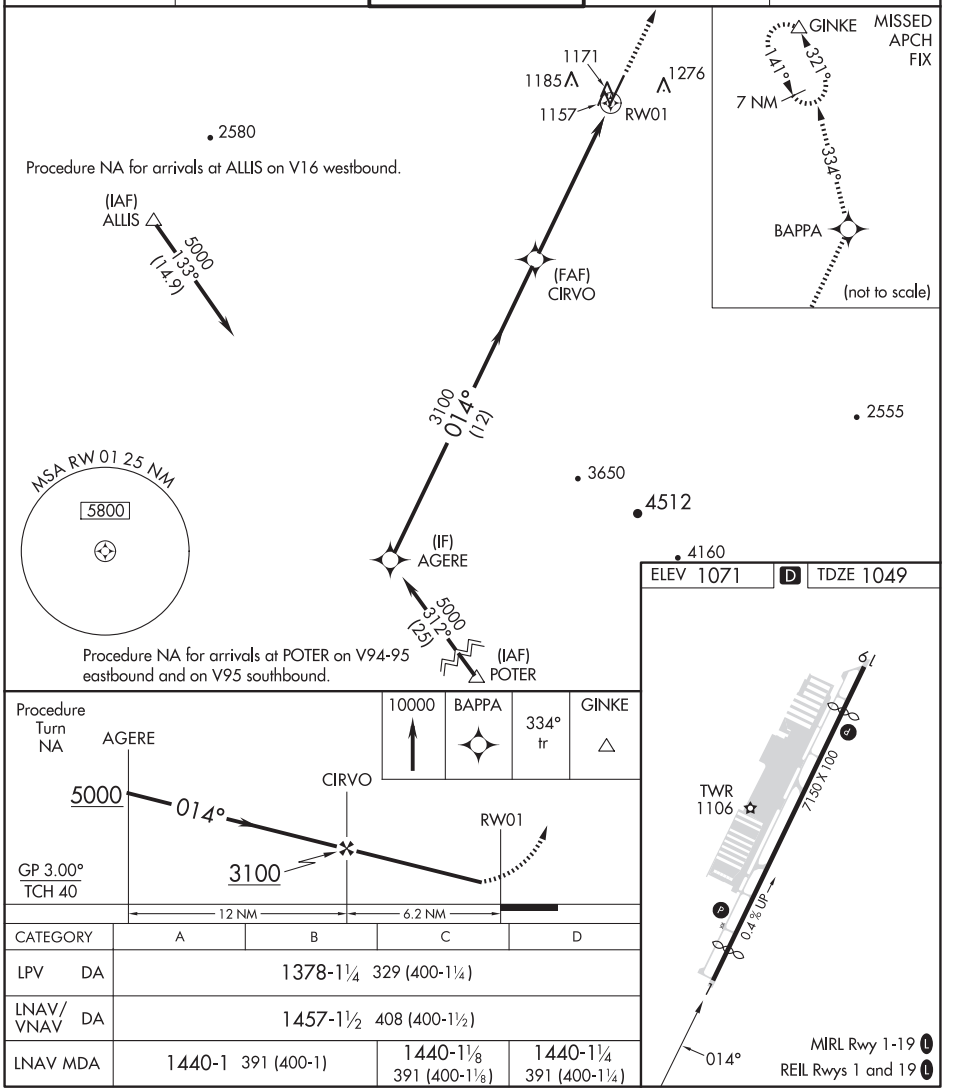
RNAV (GPS) RWY 1
GLENDALE RGNL (GEU)

RNP APCH.

T A Baro-VNAV NA when using Phoenix Sky Harbor Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 47°C. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting: increase LPV DA to 1438 feet; increase LNAV/VNAV DA to 1517 feet and all visibilities ¼ SM; increase all MDA 60 feet and LNAV Cat C and D visibility ¼ SM. Night landing: Rwy 1, Cat C and D operational VGSI required, remain on or above VGSI glidepath until threshold. Rwy 1 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 10000 direct BAPPA and on 334° track to GINKE and hold, continue climb-in-hold to 10000.

ATIS	LUKE APP CON ★	GLENDALE TOWER ★	GND CON	UNICOM
119.425	118.15 363.125	121.0 (CTAF) L	118.0	122.95



CATEGORY	A	B	C	D
LPV DA	1378-1¼ 329 (400-1¼)			
LNAV/VNAV DA	1457-1½ 408 (400-1½)			
LNAV MDA	1440-1 391 (400-1)		1440-1⅛ 391 (400-1⅛)	1440-1¼ 391 (400-1¼)

GLENDALE, ARIZONA
Orig-D 18JUL19

33°32'N-112°18'W

GLENDALE RGNL (GEU)
RNAV (GPS) RWY 1

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS		
CH **87004**	**194°**	Rwy Idg	**6115**
W19A		TDZE	**1065**
		Apt Elev	**1071**

RNAV (GPS) RWY 19

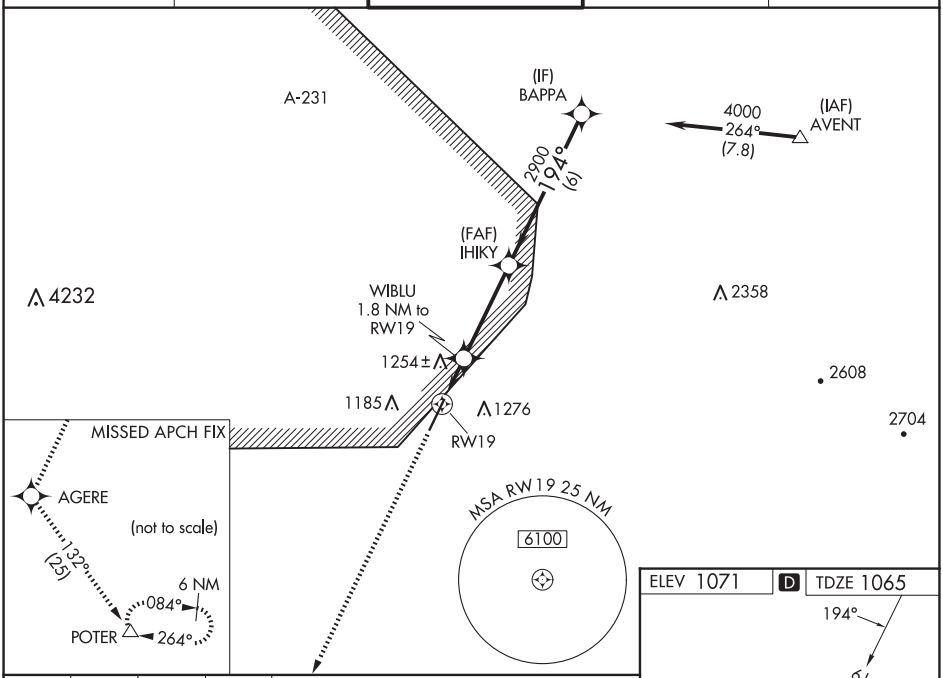
GLENDALE RGNL (GEU)

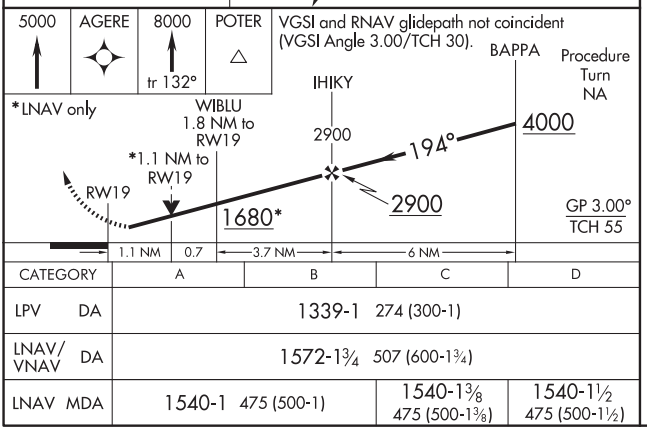
RNP APCH.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 47°C. Rwy 19 helicopter visibility reduction below ¾ SM NA. VDP and Baro-VNAV NA when using Phoenix Sky Harbor Intl altimeter setting. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting: increase LPV DA to 1384 feet; increase LNAV/VNAV DA to 1617 feet and all Cats visibility ¼ SM; increase all MDA 60 feet and LNAV Cat C and D visibility ¼ SM.

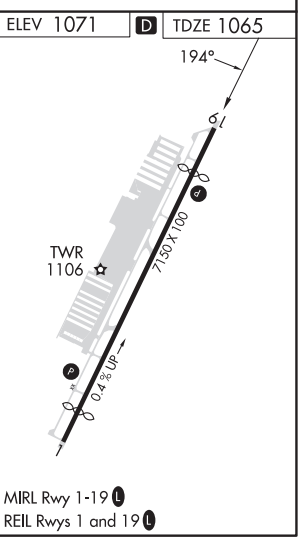
MISSED APPROACH: Climb to 5000 direct AGERE then climb to 8000 on track 132° to POTER and hold.

ATIS	LUKE APP CON★	GLENDALE TOWER★	GND CON	UNICOM
119.425	**118.15 363.125**	**121.0** (CTAF) L	**118.0**	**122.95**





CATEGORY	A	B	C	D
LPV DA	1339-1 274 (300-1)			
LNAV/VNAV DA	1572-1¾ 507 (600-1¾)			
LNAV MDA	1540-1 475 (500-1)		1540-1⅜ 475 (500-1⅜)	1540-1½ 475 (500-1½)



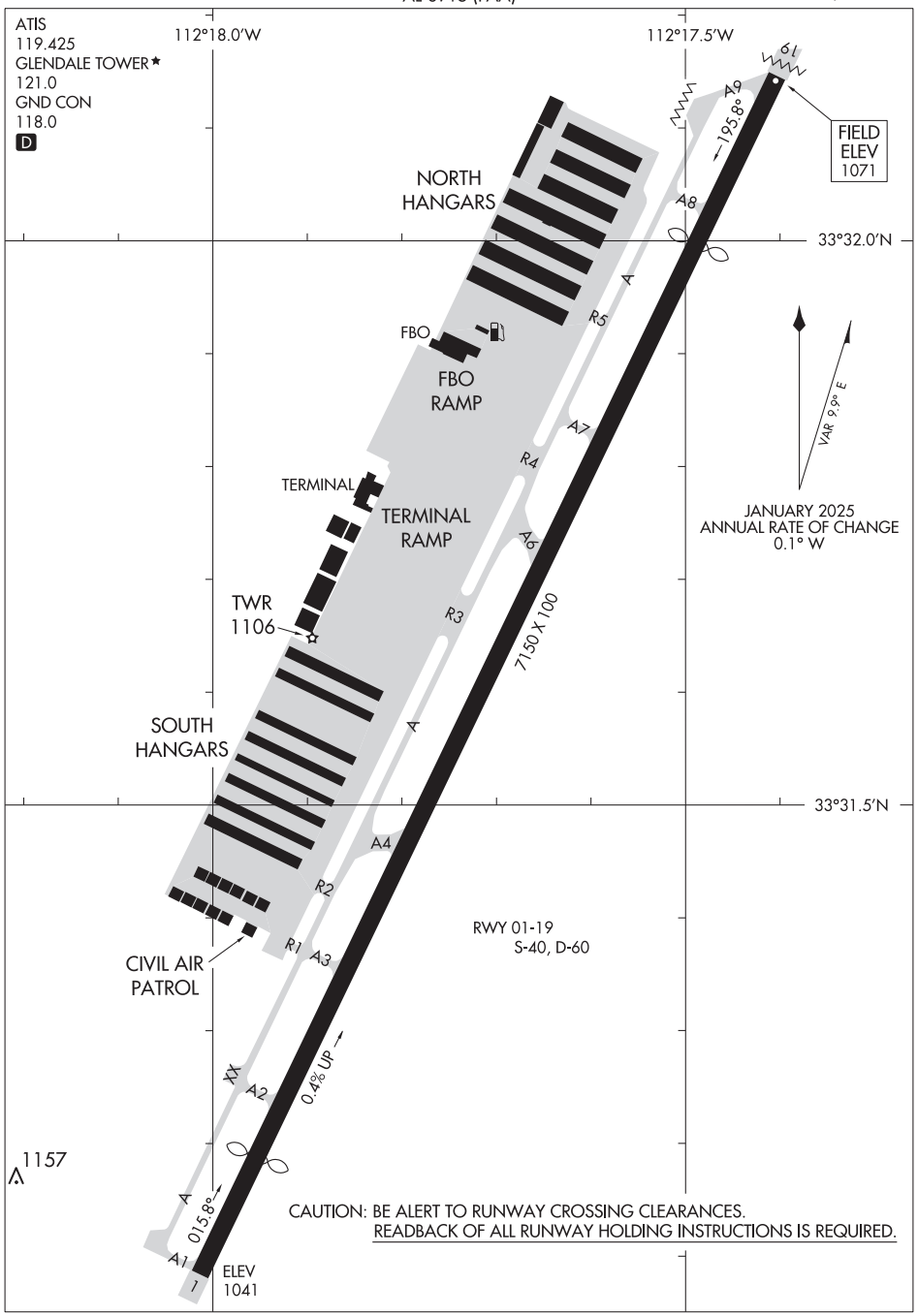
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

AIRPORT DIAGRAM

AL-6915 (FAA)

GLENDALE RGNL (GEU)
GLENDALE, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

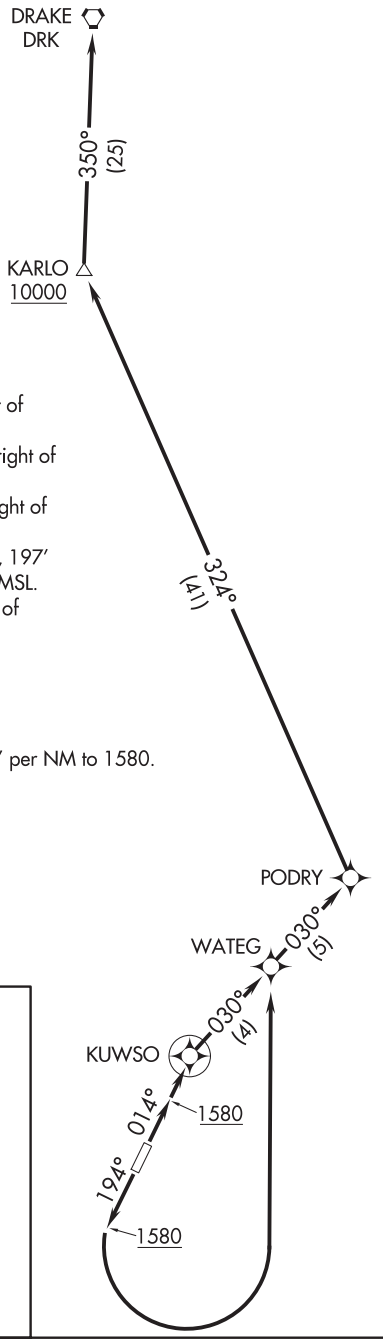
AIRPORT DIAGRAM
25107

GLENDALE, ARIZONA
GLENDALE RGNL (GEU)

DRAKE TWO DEPARTURE (OBSTACLE) (RNAV)

AL-6915 (FAA)

ATIS
119.425
GND CON
118.0
GLENDALE TOWER★
121.0
LUKE DEP CON★
118.15 363.125
PHOENIX DEP CON
120.7 239.0



TAKEOFF OBSTACLE NOTES

Rwy 1: Light on blast fence 4′ from DER, 130′ left of centerline, up to 10′ AGL/1088′ MSL.
Trees beginning 124′ from DER, left and right of centerline, up to 30′ AGL/1104′ MSL.
Vehicles beginning 299′ from DER, 80′ right of centerline, up to 15′ AGL/1091′ MSL.
Poles and trees beginning 400′ from DER, 197′ right of centerline, up to 75′ AGL/1144′ MSL.
Rwy 19: Trees beginning 281′ from DER, 331′ left of centerline, up to 33′ AGL/1060′ MSL.

TAKEOFF MINIMUMS

Rwys 1, 19: Standard with minimum climb of 500′ per NM to 1580.

NOTE: RNAV 1.

NOTE: GPS required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° to 1580, then direct KUWSO, then as depicted to cross KARLO at/above 10000. . . .
TAKEOFF RUNWAY 19: Climb heading 194° to 1580, then left turn direct WATEG, then as depicted to cross KARLO at/above 10000. . . .

. . . .thence on track 350° to DRK VORTAC.
Expect filed altitude 3 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

(BNYRD6.BNYRD) 24249

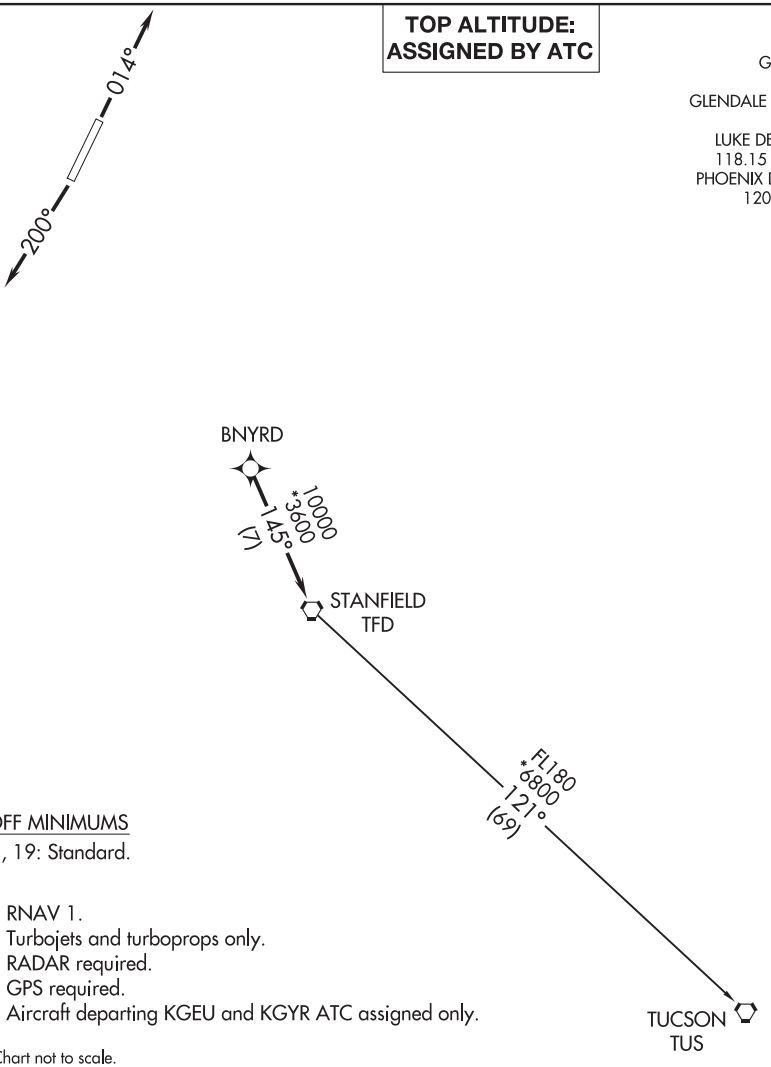
BNYRD SIX DEPARTURE (RNAV)

AL-6915 (FAA)

GLENDALE RGNL (GEU)
GLENDALE, ARIZONA

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 119.425
GND CON 118.0
GLENDALE TOWER★ 121.0
LUKE DEP CON★ 118.15 363.125
PHOENIX DEP CON 120.7 239.0



TAKEOFF MINIMUMS

Rwys 1, 19: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 19: Climb heading 200° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BNYRD, then on track 145° to TFD VORTAC, then on (transition), maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

TUCSON TRANSITION (BNYRD6.TUS)

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:
ASSIGNED BY ATC
ATIS
119.425
GND CON
118.0
GLENDALE TOWER★
121.0
LUKE DEP CON★
118.15 363.125
PHOENIX DEP CON
120.7 239.0
NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: ABQ transition ATC assigned only.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO file FTHLS DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK file LALUZ DEPARTURE.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS file YOTES DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
TAKEOFF MINIMUMS
Rwys 1, 19: Standard.
014°
200°
N
BROAK
FL180
*8900
059°
(45)
FTHLS
FL180
*13600
060°
(55)
JNIPR
FL180
*11800
060°
(68)
JSSUA
FL180
*11700
077°
(65)
MAXXO
ALBUQUERQUE
ABQ
FL180
*11500
040°
(11)
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAY 1: Climb heading 014° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 19: Climb heading 200° or as assigned by ATC, thence. . . .
. . . .expect RADAR vectors to BROAK, then on track 059° to FTHLS, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.
ALBUQUERQUE TRANSITION (FTHLS6.ABQ)
JNIPR TRANSITION (FTHLS6.JNIPR)
MAXXO TRANSITION (FTHLS6.MAXXO)
NOTE: Chart not to scale.
SW-4, 07 AUG 2025 to 02 OCT 2025

GLENDALE ONE DEPARTURE

AL-6915 (FAA)

ATIS
119.425
GLENDALE TOWER ★
121.0
LUKE DEP CON ★
118.15 363.125
PHOENIX DEP CON
120.7 239.0

N

NOTE: RADAR required

FLAGSTAFF
113.85 FLG
Chan 85(Y)

WINSLOW
112.6 INW
Chan 73

ST JOHNS
112.3 SJN
Chan 70

DRAKE
114.1 DRK
Chan 88

PHOENIX
115.6 PXR
Chan 103

BUCKEYE
110.6 BXK
Chan 43

GILA BEND
116.6 GBN
Chan 113

STANFIELD
114.8 TFD
Chan 95

NOTE: Chart not to scale.

TAKEOFF MINIMUMS:
Rwy 1: Standard with minimum climb of 230'/NM to 3600.
Rwy 19: Standard.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb to assigned altitude on assigned heading between 340° CW to 040° from DER. Thence. . . .

TAKEOFF RUNWAY 19: Climbing right turn to assigned altitude on assigned heading between 200° CW to 220° from DER. Thence. . . .

. . . .Expect radar vectors to assigned route. Expect filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: If no transmissions are received within one minute after departure, climb to 6000 then proceed direct BXK VORTAC, then via assigned route.

LUKE DEP CON★
118.15 363.125
PHOENIX DEP CON
120.7 239.0
ATIS
119.425
GND CON
118.0
GLENDALE TOWER★
121.0

TOP ALTITUDE: ASSIGNED BY ATC

RNAV 1 - GPS.
RADAR required.

NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwy 19: Standard.
Rwy 1: Standard with minimum climb of 285'/NM to 5700.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 014° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 19: Climb on heading 200° or as assigned by ATC, thence. . . .

. . . .for RADAR vectors to KEENS, then on track 259° to IZZZO, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (IZZZO8.BLH)

HRRBR TRANSITION (IZZZO8.HRRBR)

WLVRN TRANSITION (IZZZO8.WLVRN)

SW-4, 07 AUG 2025 to 02 OCT 2025

ATIS
119.425
GND CON
118.0
GLENDALE TOWER ★
121.0
LUKE DEP CON ★
118.15 363.125
PHOENIX DEP CON
120.7 239.0

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 19: Climb heading 200° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to GBN VORTAC, then on track 249° to JUDTH, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

MOHAK TRANSITION (JUDTH7.MOHAK)

TOP ALTITUDE: ASSIGNED BY ATC

014°
200°

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 1, 19: Standard.

N

GILA BEND
GBN

FL180
*3800
249°
(52)

JUDTH

FL180
*4000
248°
(15)

MOHAK

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ATIS 119.425
GND CON 118.0
GLENDALE TOWER ★ 121.0
LUKE DEP CON ★ 118.15 363.125
PHOENIX DEP CON 120.7 239.0

014°
200°

TOP ALTITUDE: ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 19: Climb heading 200° or as assigned by ATC, thence. . . .

. . . .on RADAR vectors to ECLPS, then on track 111° to KATMN, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

PHASE TRANSITION (KATMN6.PHASE)

NOTE: Chart not to scale.

TAKEOFF MINIMUMS
Rwys 1, 19: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

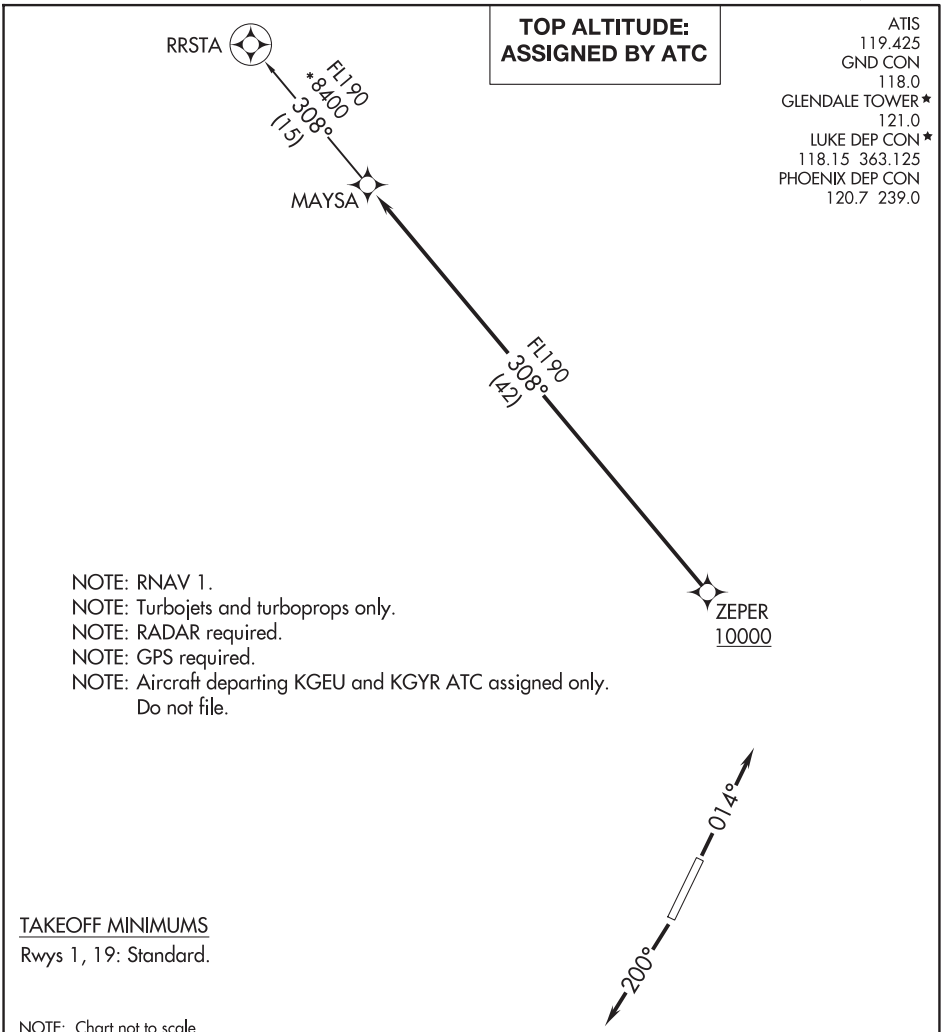
(LALUZ6.LALUZ) 24249

LALUZ SIX DEPARTURE (RNAV)

AL-6915 (FAA)

GLENDALE RGNL (GEU)
GLENDALE, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb on heading 014° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 19: Climb on heading 200° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to cross ZEPER at or above 10000, then on track 308° to MAYSA, then on RRSTA TRANSITION. Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

RRSTA TRANSITION (MAYSA7.RRSTA)

(SNOBL6.SNOBL) 24249

SNOBL SIX DEPARTURE (RNAV)

AL-6915 (FAA)

GLENDALE RGNL (GEU)
GLENDALE, ARIZONA

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 119.425
GND CON 118.0
GLENDALE TOWER★ 121.0
LUKE DEP CON★ 118.15 363.125
PHOENIX DEP CON 120.7 239.0

GRAND CANYON
GCN

FL180
*9500
342°
(26)

RIMMM

FL180
*11500
343°
(10)

LOFTS

FL180
*11500
343°
(36)

CARTL

FL180
*9300
343°
(20)

SNOBL

14600
*8100
343°
(20)

QUAKY

YOOPR

FL180
*10700
043°
(94)

JARPA

FL180
*10700
050°
(123)

TAKEOFF MINIMUMS

Rwys 1, 19: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: JARPA TRANSITION ATC assigned only.
NOTE: YOOPR TRANSITION ATC assigned only.
NOTE: CARTL TRANSITION for FLG or PGA terminal arrivals only.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

014°
200°

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 19: Climb heading 200° or as assigned by ATC, thence. . . .

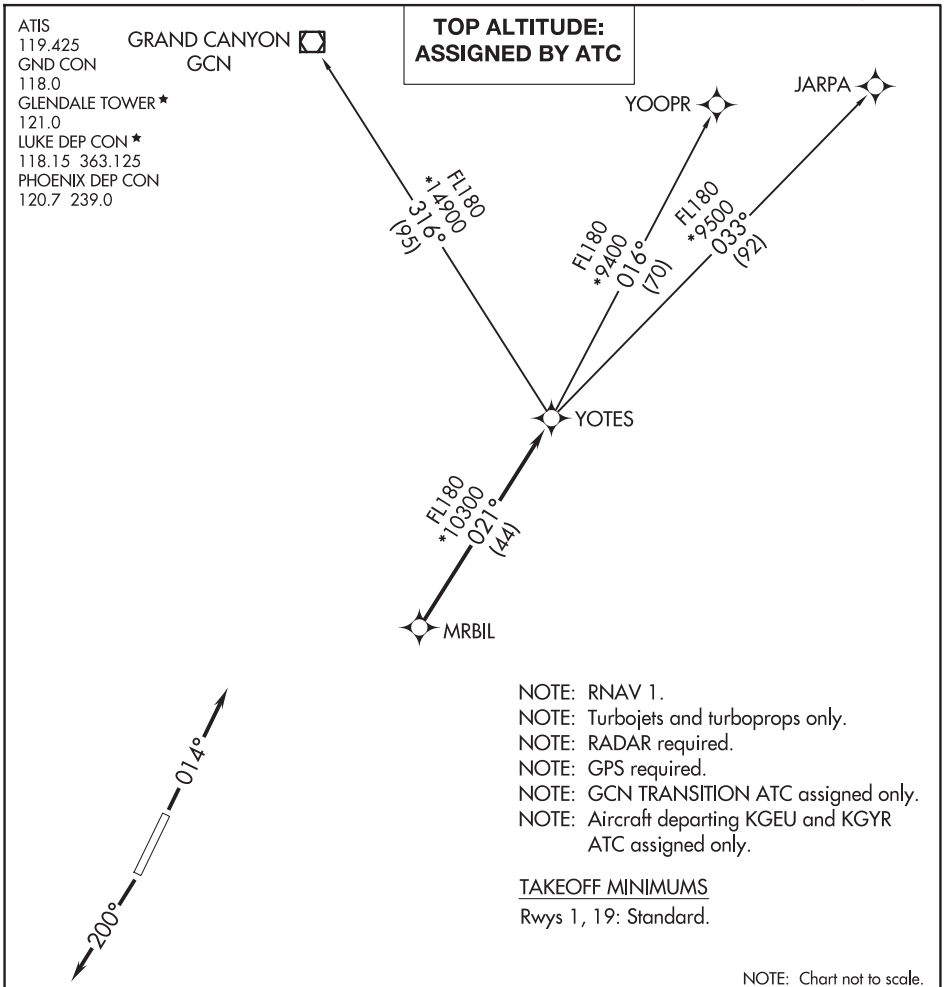
. . . .expect RADAR vectors to QUAKY, then on track 343° to SNOBL, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

CARTL TRANSITION (SNOBL6.CARTL)
GRAND CANYON TRANSITION (SNOBL6.GCN)
JARPA TRANSITION (SNOBL6.JARPA)
RIMMM TRANSITION (SNOBL6.RIMMM)
YOOPR TRANSITION (SNOBL6.YOOPR)

SW-4, 07 AUG 2025 to 02 OCT 2025

YOTES SIX DEPARTURE (RNAV)

AL-6915 (FAA)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 19: Climb heading 200° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to MRBIL, then on track 021° to YOTES, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

GRAND CANYON TRANSITION (YOTES6.GCN)

JARPA TRANSITION (YOTES6.JARPA)

YOOPR TRANSITION (YOTES6.YOOPR)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

GLOBE, ARIZONA | AL-6635 (FAA) | 25163

APP CRS	Rwy Ldg	6500
260°	TDZE	3212
	Apt Elev	3261

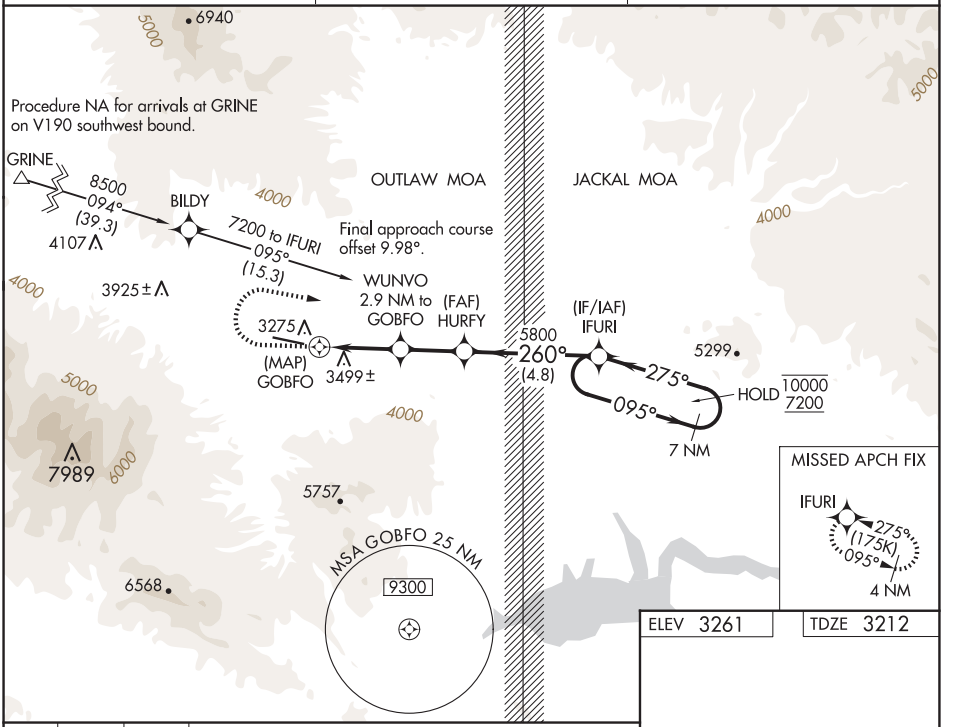
RNAV (GPS) RWY 27
SAN CARLOS APACHE (P13)

RNP APCH.

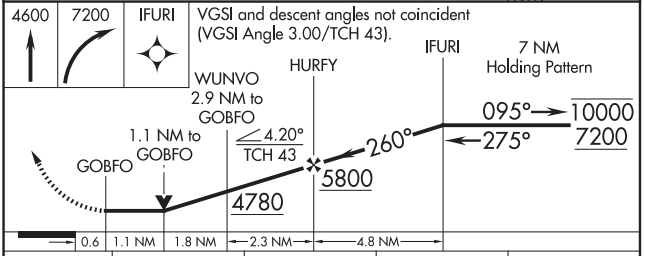
T A NA Rwy 27 helicopter visibility reduction below ¾ SM NA. VDP NA when using San Manuel altimeter setting. When local altimeter setting not received, use San Manuel altimeter setting and increase all MDA 120 feet.

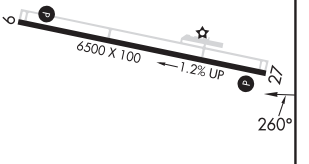
MISSED APPROACH: (Do not exceed 175K until IFURI) Climb to 4600 then climbing right turn to 7200 direct IFURI and hold, do not exceed 230K when continuing climb-in-hold to 7200.
* Missed approach requires minimum climb of 290 feet per NM to 5340.

AWOS-3	ALBUQUERQUE CENTER	UNICOM
120.075	125.4 269.3	122.8 (CTAF) L



ELEV 3261 | TDZE 3212





CATEGORY	A	B	C	D
LNAV MDA*	3760-1 548 (500-1)		NA	
LNAV MDA	4180-1¼ 968 (1000-1¼)	4180-1½ 968 (1000-1½)	NA	
C CIRCLING	4180-1¼ 919 (1000-1¼)	4180-1½ 919 (1000-1½)	NA	

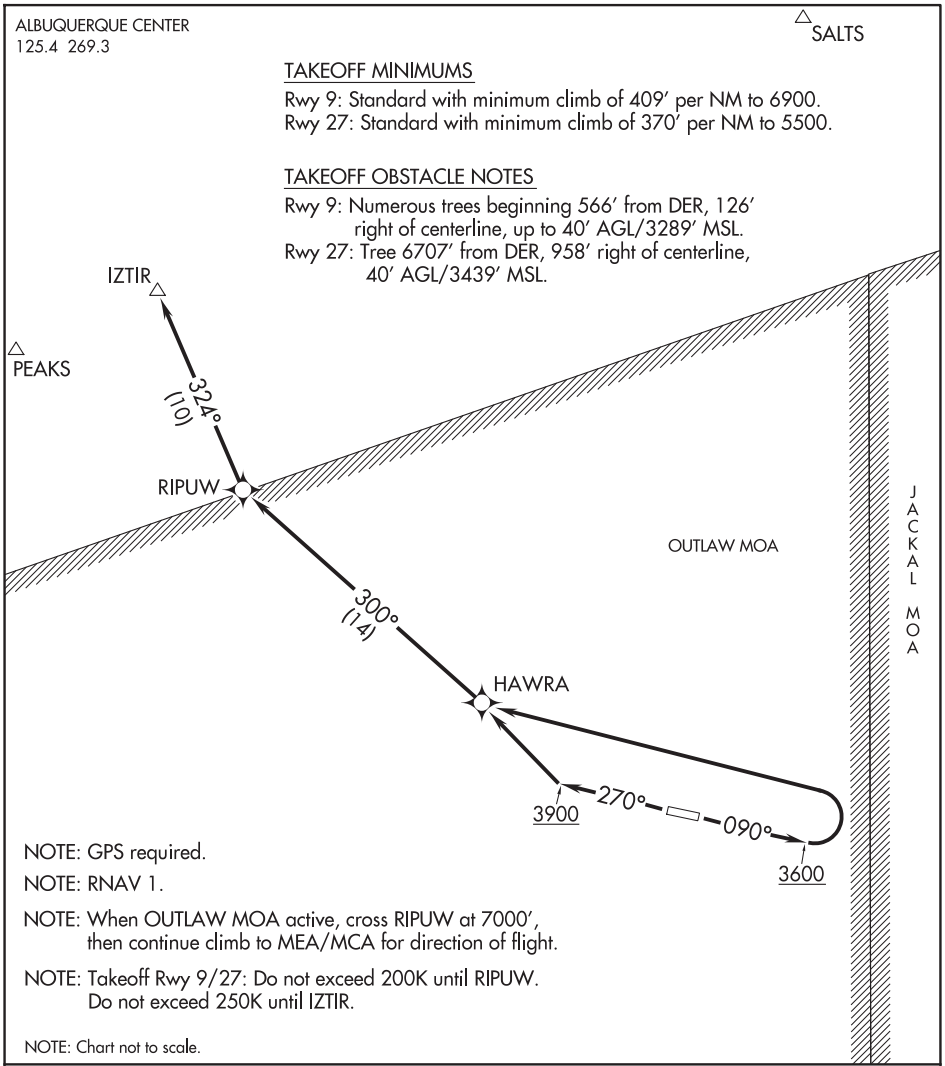
MIRL Rwy 9-27 L
REIL Rwys 9 and 27

GLOBE, ARIZONA
Amdt 1 22APR21

33°21′N-110°40′W

SAN CARLOS APACHE (P13)
RNAV (GPS) RWY 27

SW-4, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb heading 090° to 3600, then climbing left turn direct HAWRA, then via depicted route to IZTIR. Thence. . . .

TAKEOFF RUNWAY 27: Climb heading 270° to 3900, then climbing right turn direct HAWRA, then via depicted route to IZTIR. Thence. . . .

. . . .climb on course to MEA for assigned route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 3

PHOENIX GOODYEAR (GYR)

WAAS CH 42839 W03A	APP CRS 030°	Rwy Ldg 8500 TDZE 954 Apt Elev 969

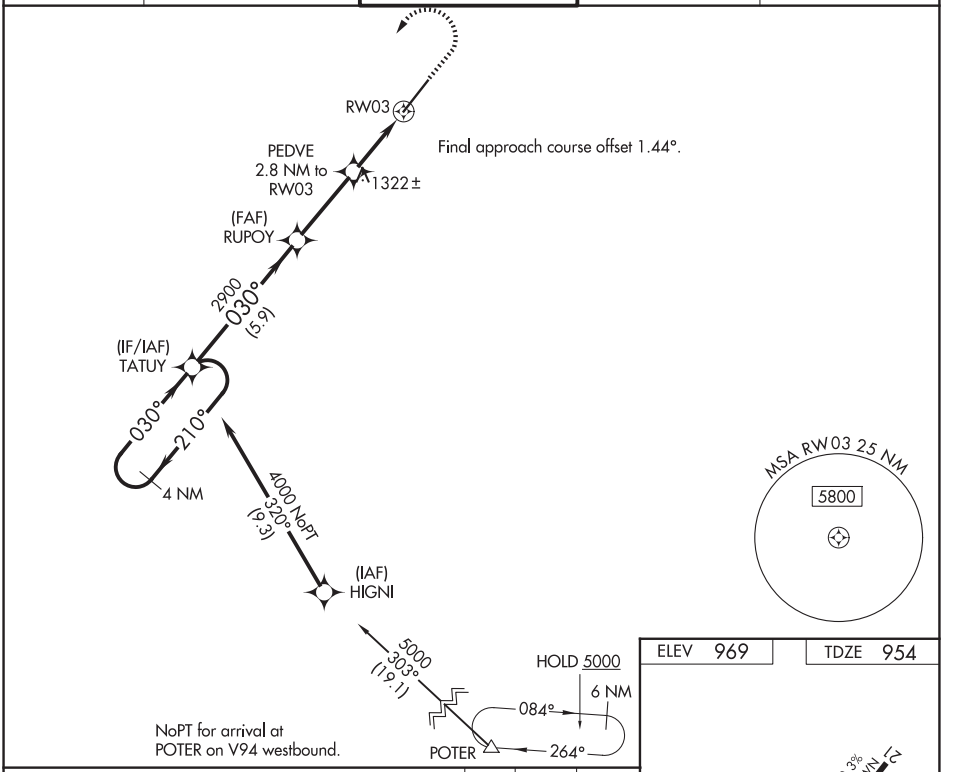
RNP APCH.

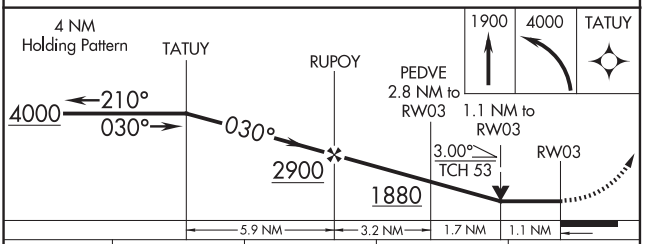
NA

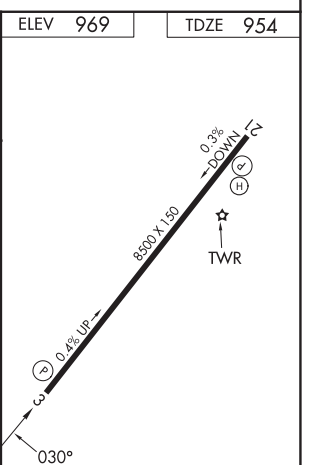
Procedure NA at night. Helicopter visibility reduction below ¾ SM NA. VDP NA when using Phoenix Sky Harbor Intl altimeter setting. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting: increase all MDA 80 feet and visibility LP/LNAV Cat C/D and Circling Cat C ¼ SM.

MISSED APPROACH: Climb to 1900 then climbing left turn to 4000 direct TATUY and hold.

ATIS	LUKE APP CON ★	GOODYEAR TOWER ★	GND CON	UNICOM
118.35	125.45 263.125	120.1 (CTAF) 239.3	121.7	122.95



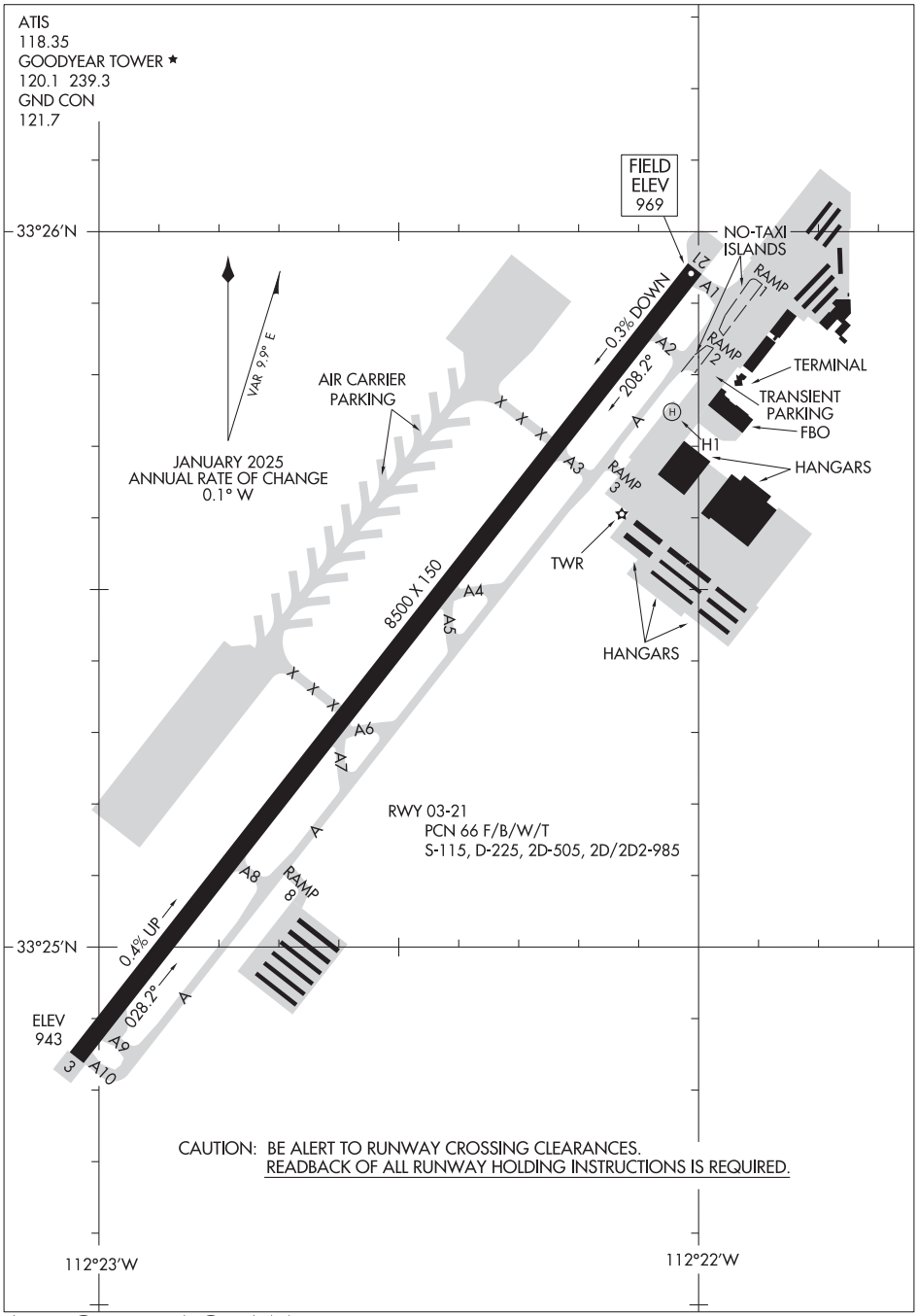




CATEGORY	A	B	C	D
LP MDA	1340-1 386 (400-1)		1340-1⅛ 386 (400-1⅛)	
LNAV MDA	1580-1 626 (700-1)		1580-1¾ 626 (700-1¾)	
CIRCLING	1580-1 611 (700-1)		1860-2¾ 891 (900-2¾)	1920-3 951 (1000-3)

33°25'N-112°23'W

SW-4, 07 AUG 2025 to 02 OCT 2025



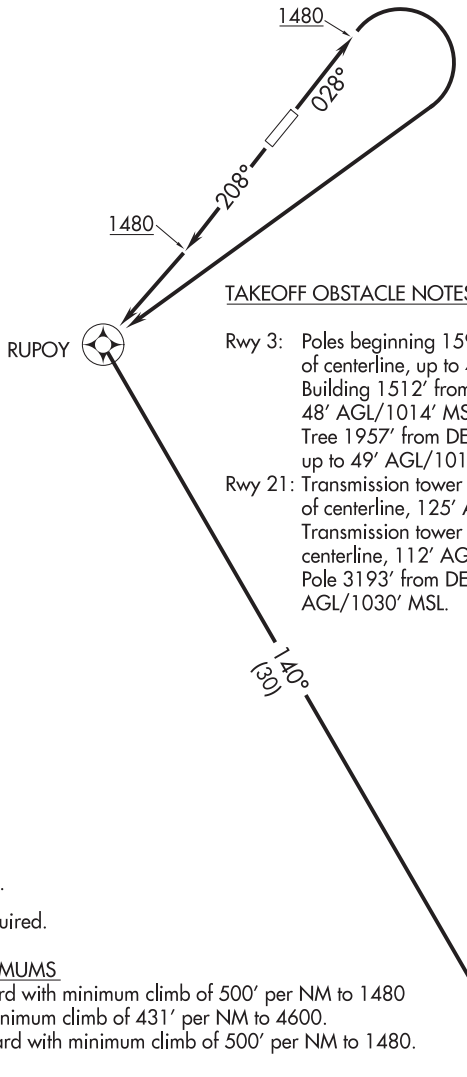
SW-4, 07 AUG 2025 to 02 OCT 2025

(POTER3.POTER) 23334

POTER THREE DEPARTURE (OBSTACLE) (RNAV)

AL-6648 (FAA)

PHOENIX GOODYEAR (GYR)
GOODYEAR, ARIZONA



ATIS
118.35
GND CON
121.7
GOODYEAR TOWER★
120.1 239.3
LUKE DEP CON★
125.45 263.125
PHOENIX DEP CON
120.7 239.0

TAKEOFF OBSTACLE NOTES

Rwy 3: Poles beginning 159′ from DER, 267′ right of centerline, up to 47′ AGL/1015′ MSL.
Building 1512′ from DER, 828′ right of centerline, 48′ AGL/1014′ MSL.
Tree 1957′ from DER, 551′ right of centerline, up to 49′ AGL/1019′ MSL.

Rwy 21: Transmission tower 2610′ from DER, 1078′ left of centerline, 125′ AGL/1047′ MSL.
Transmission tower 3190′ from DER, 311′ left of centerline, 112′ AGL/1031′ MSL.
Pole 3193′ from DER, 308′ left of centerline, 112′ AGL/1030′ MSL.

NOTE: RNAV 1.

NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 500′ per NM to 1480 then minimum climb of 431′ per NM to 4600.

Rwy 21: Standard with minimum climb of 500′ per NM to 1480.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 028° to 1480, then right turn direct RUPOY thence. . . .

TAKEOFF RUNWAY 21: Climb heading 208° to 1480, then direct RUPOY thence. . . .

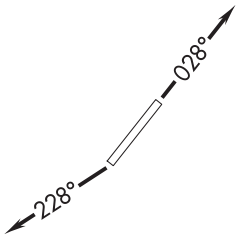
. . . .on track 140° to POTER. Expect filed altitude 3 minutes after departure.

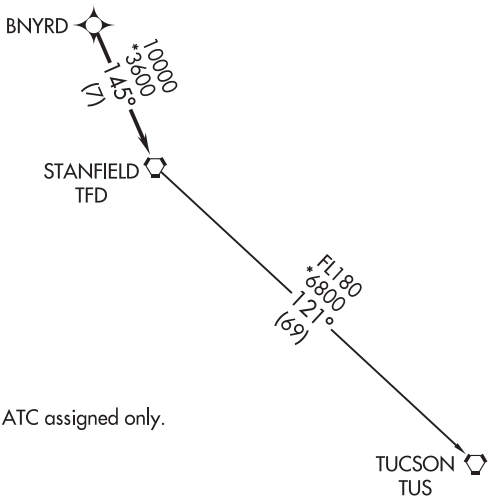
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 118.35
GND CON 121.7
GOODYEAR TOWER★ 120.1 239.3
LUKE DEP CON★ 125.45 263.125
PHOENIX DEP CON 120.7 239.0





TAKEOFF MINIMUMS
Rwys 3, 21: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 028° or assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 228° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BNYRD, then on track 145° to TFD VORTAC, then on (transition), maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

TUCSON TRANSITION (BNYRD6.TUS)

SW-4, 07 AUG 2025 to 02 OCT 2025

(FTHLS6.FTHLS) 18144

FTHLS SIX DEPARTURE (RNAV)

AL-6648 (FAA)

PHOENIX GOODYEAR (GYR)
GOODYEAR, ARIZONA

GOODYEAR TWO DEPARTURE

AL-6648 (FAA)

PHOENIX GOODYEAR (GYR)
GOODYEAR, ARIZONA

GOODYEAR TWO DEPARTURE

21JUL16

GOODYEAR, ARIZONA
PHOENIX GOODYEAR (GYR)

SW-4, 07 AUG 2025 to 02 OCT 2025

AL-6648 (FAA)

SW-4, 07 AUG 2025 to 02 OCT 2025

LUKE DEP CON★
125.45 263.125
PHOENIX DEP CON
120.7 239.0
ATIS
118.35
GND CON
121.7
GOODYEAR TOWER★
120.1 239.3

TOP ALTITUDE: ASSIGNED BY ATC

RNAV 1 - GPS.
RADAR required.

NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 3, 21: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb on heading 028° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 21: Climb on heading 228° or as assigned by ATC, thence. . . .

. . . .for RADAR vectors to KEENS, then on track 259° to IZZZO, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (IZZZO8.BLH)
HRRBR TRANSITION (IZZZO8.HRRBR)
WLVRN TRANSITION (IZZZO8.WLVRN)

SW-4, 07 AUG 2025 to 02 OCT 2025

ATIS
118.35
GND CON
121.7
GOODYEAR TOWER★
120.1 239.3
LUKE DEP CON★
125.45 263.125
PHOENIX DEP CON
120.7 239.0

TOP ALTITUDE: ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 028° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 228° or as assigned by ATC, thence. . . .

. . . expect RADAR vectors to GBN VORTAC, then on track 249° to JUDTH, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

MOHAK TRANSITION (JUDTH7.MOHAK)

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 3, 21: Standard.

(KATMN6.KATMN) 18144

KATMN SIX DEPARTURE (RNAV)

AL-6648 (FAA)

PHOENIX GOODYEAR (GYR)
GOODYEAR, ARIZONA

ATIS 118.35
GND CON 121.7
GOODYEAR TOWER ★ 120.1 239.3
LUKE DEP CON★ 125.45 263.125
PHOENIX DEP CON 120.7 239.0

TOP ALTITUDE: ASSIGNED BY ATC

028°
228°

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 028° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 228° or as assigned by ATC, thence. . . .

. . . .on RADAR vectors to ECLPS, then on track 111° to KATMN, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

PHASE TRANSITION (KATMN6.PHASE)

TAKEOFF MINIMUMS
Rwys 3, 21: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing from KGEU and KGYR ATC assigned only.

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

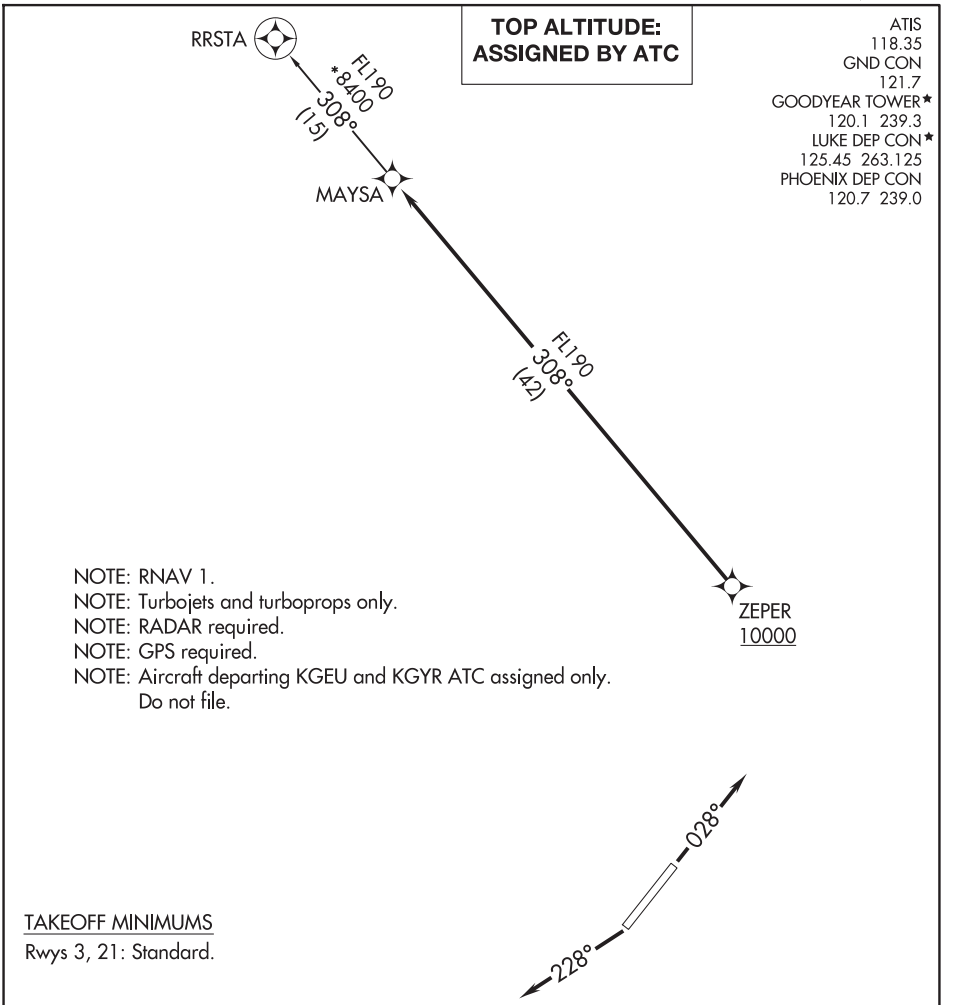
TOP ALTITUDE:
ASSIGNED BY ATC
ATIS
118.35
GND CON
121.7
GOODYEAR TOWER ★
120.1 239.3
LUKE DEP CON ★
125.45 263.125
PHOENIX DEP CON
120.7 239.0
NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: SJN TRANSITION for ABQ terminal arrivals only.
NOTE: MAXXO TRANSITION ATC assigned only.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS, file YOTES DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK, file LALUZ DEPARTURE.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO, file FTHLS DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
TAKEOFF MINIMUMS
Rwys 3, 21: Standard.
028°
228°
FORPE
FL180
*10000
055°
(57)
LALUZ
FL180
*11000
055°
(58)
ST JOHNS
SJN
080°
(56)
FL180
*11300
JSSUA
FL180
*10800
059°
(121)
ALBUQUERQUE
ABQ
FL180
*11800
077°
(65)
MAXXO
N
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAY 3: Climb heading 028° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 21: Climb heading 228° or as assigned by ATC, thence. . . .
. . . .expect RADAR vectors to FORPE, then on track 055° to LALUZ, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.
ALBUQUERQUE TRANSITION (LALUZ6.ABQ)
MAXXO TRANSITION (LALUZ6.MAXXO)
ST JOHNS TRANSITION (LALUZ6.SJN)
NOTE: Chart not to scale.
SW-4, 07 AUG 2025 to 02 OCT 2025

(MAYSA7.MAYSA) 20142

MAYSA SEVEN DEPARTURE (RNAV)

AL-6648 (FAA)

PHOENIX GOODYEAR (GYR)
GOODYEAR, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb on heading 028° or as assigned by ATC, thence. . . .

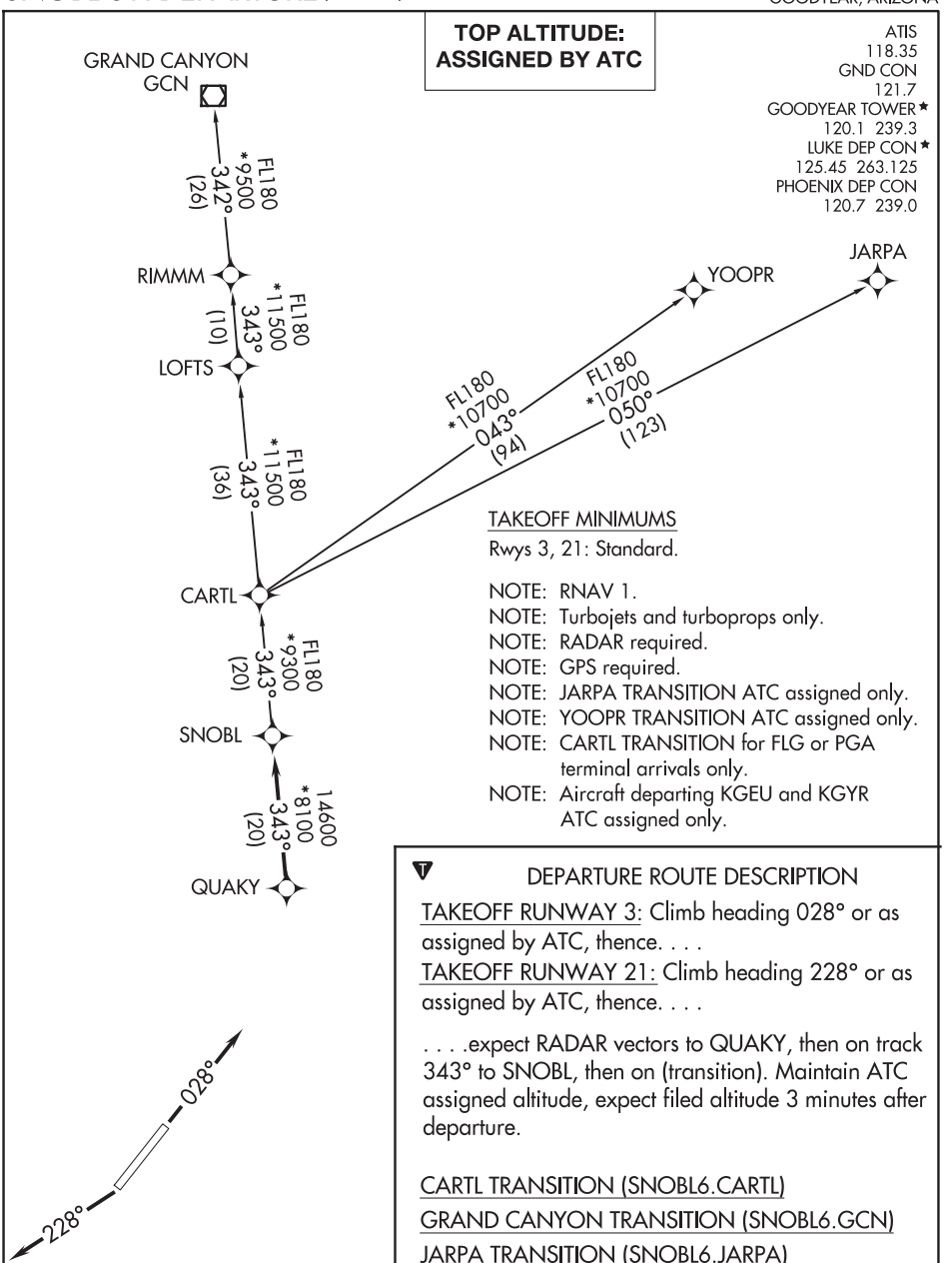
TAKEOFF RUNWAY 21: Climb on heading 228° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to cross ZEPER at or above 10000, then on track 308° to MAYSA, then on RRSTA TRANSITION. Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

RRSTA TRANSITION (MAYSA7.RRSTA)

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 118.35
GND CON 121.7
GOODYEAR TOWER ★ 120.1 239.3
LUKE DEP CON ★ 125.45 263.125
PHOENIX DEP CON 120.7 239.0



TAKEOFF MINIMUMS

Rwys 3, 21: Standard.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: JARPA TRANSITION ATC assigned only.
NOTE: YOOPR TRANSITION ATC assigned only.
NOTE: CARTL TRANSITION for FLG or PGA terminal arrivals only.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 028° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 228° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to QUAKY, then on track 343° to SNOBL, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

CARTL TRANSITION (SNOBL6.CARTL)
GRAND CANYON TRANSITION (SNOBL6.GCN)
JARPA TRANSITION (SNOBL6.JARPA)
RIMMM TRANSITION (SNOBL6.RIMMM)
YOOPR TRANSITION (SNOBL6.YOOPR)

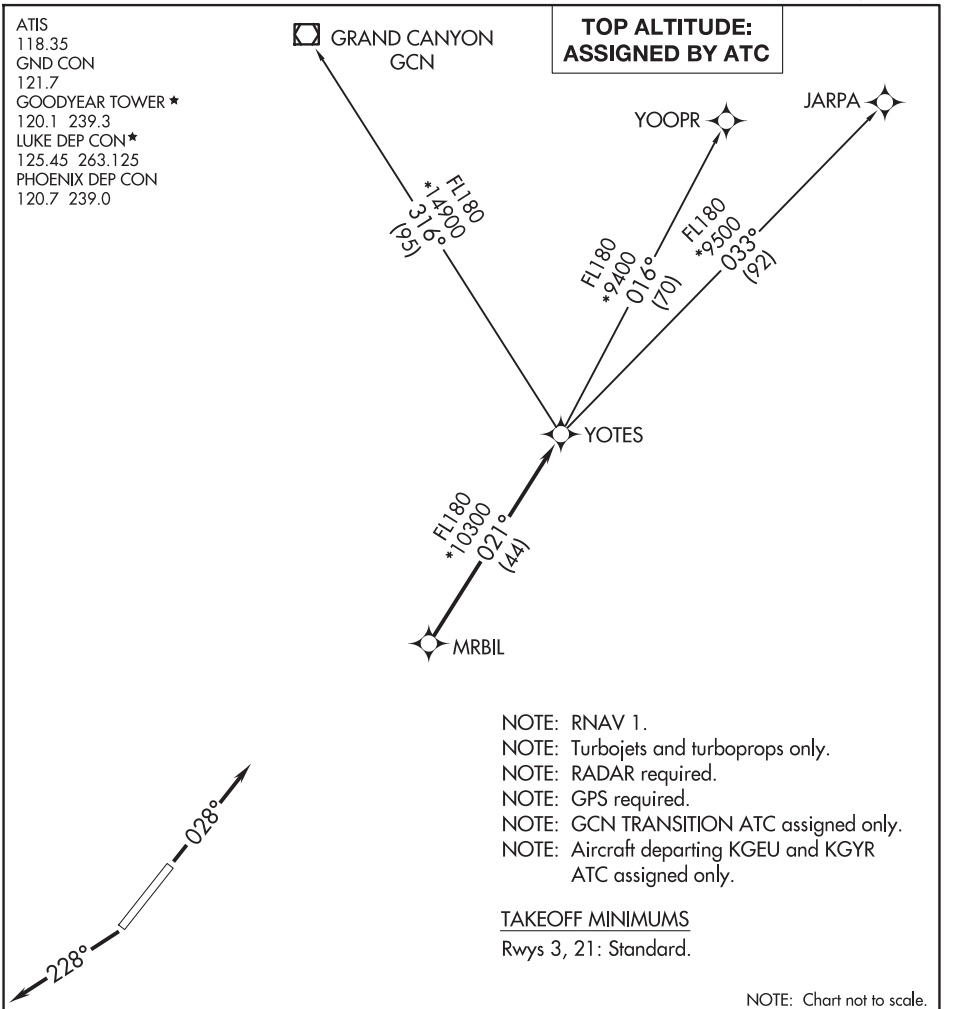
NOTE: Chart not to scale.

(YOTES6.YOTES) 18144

YOTES SIX DEPARTURE (RNAV)

AL-6648 (FAA)

PHOENIX GOODYEAR (GYR)
GOODYEAR, ARIZONA



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: GCN TRANSITION ATC assigned only.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS

Rwys 3, 21: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 028° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climb heading 228° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to MRBIL, then on track 021° to YOTES, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

GRAND CANYON TRANSITION (YOTES6.GCN)

JARPA TRANSITION (YOTES6.JARPA)

YOOPR TRANSITION (YOTES6.YOOPR)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC I-GCN	APP CRS	Rwy Ldg	8999
108.9	030°	TDZE	6556
		Apt Elev	6609

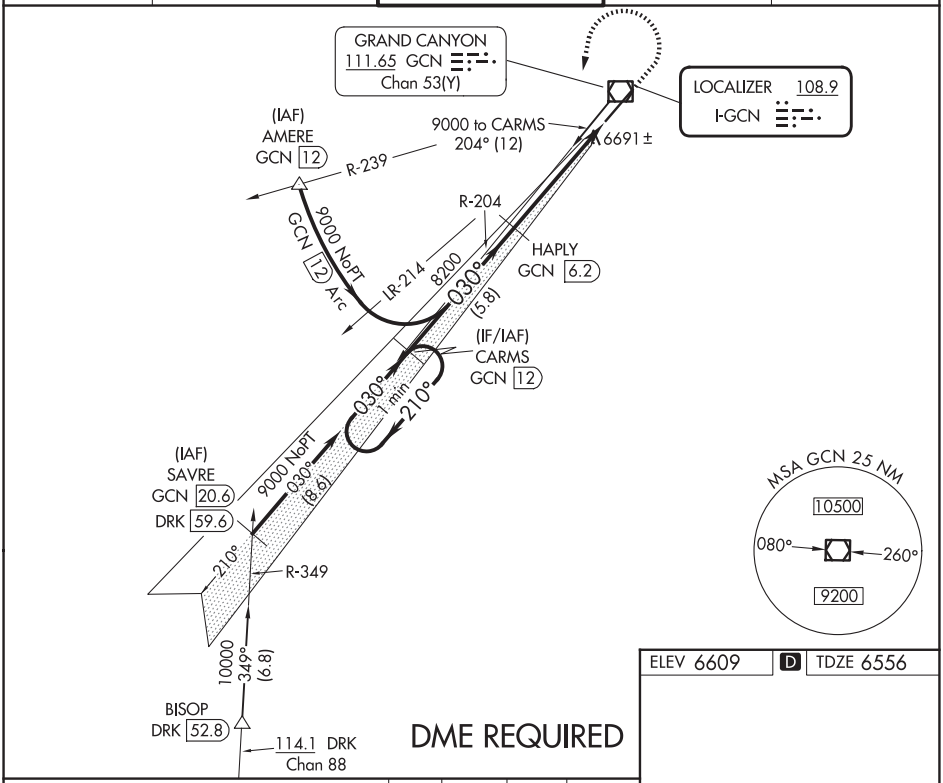
ILS or LOC RWY 3

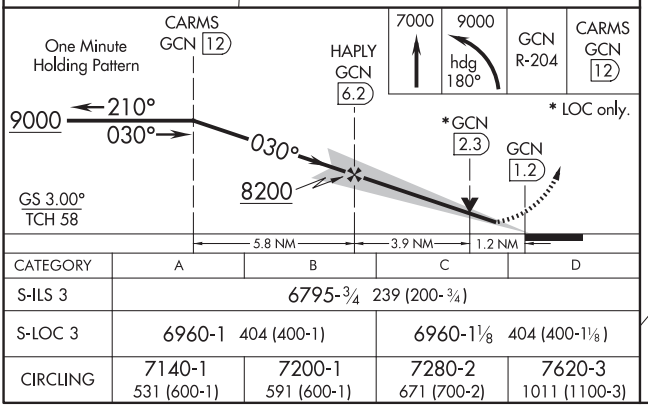
GRAND CANYON NTL PARK (GCN)

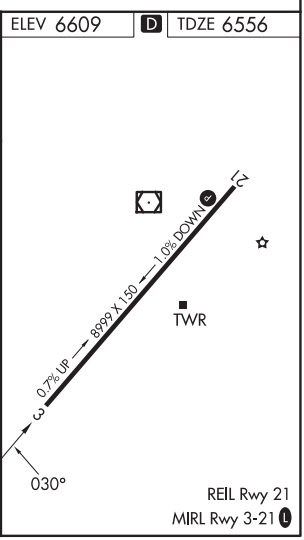
DME from GCN VOR/DME. Simultaneous reception of I-GCN and GCN DME required. DME required.

MISSED APPROACH: Climb to 7000 then climbing left turn to 9000 on heading 180° and on GCN VOR/DME R-204 direct CARMS/GCN 12 DME and hold.

ATIS	LOS ANGELES CENTER	CANYON TOWER*	GND CON	UNICOM
124.3	124.85 319.2	119.0 (CTAF) L	121.9	122.95







CATEGORY	A	B	C	D
S-ILS 3	6795-¾ 239 (200-¾)			
S-LOC 3	6960-1 404 (400-1)		6960-1⅛ 404 (400-1⅛)	
CIRCLING	7140-1 531 (600-1)	7200-1 591 (600-1)	7280-2 671 (700-2)	7620-3 1011 (1100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

GRAND CANYON, ARIZONA | AL-5381 (FAA) | 25219

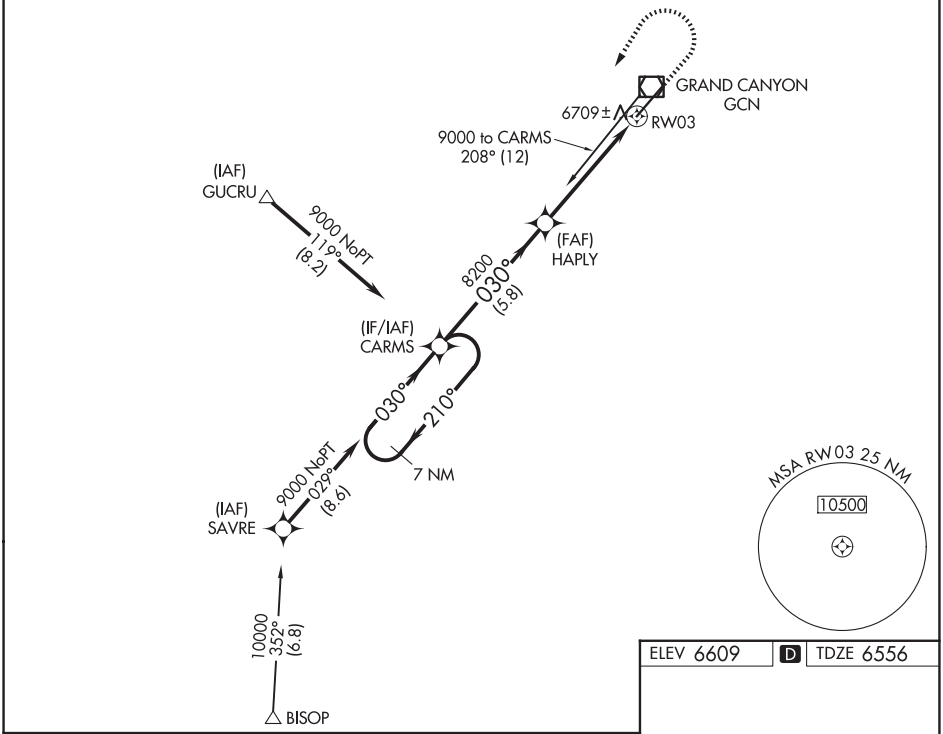
WAAS	APP CRS	Rwy Ldg	8999
CH 86340	030°	TDZE	6556
W03A		Apt Elev	6609

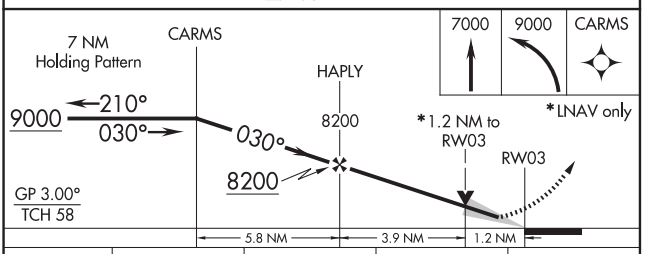
RNAV (GPS) RWY 3
GRAND CANYON NTL PARK (GCN)

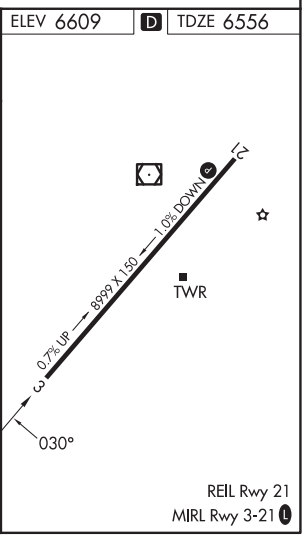
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -12°C (11°F) or above 44°C (111°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 7000 then climbing left turn to 9000 direct CARMS and hold.

ATIS	LOS ANGELES CENTER	CANYON TOWER*	GND CON	UNICOM
124.3	124.85 319.2	119.0 (CTAF) L	121.9	122.95







CATEGORY	A	B	C	D
LPV DA	6797-¾ 241 (200-¾)			
LNAV/VNAV DA	6981-1½ 425 (400-1½)			
LNAV MDA	6960-1 404 (400-1)		6960-1⅛ 404 (400-1⅛)	
CIRCLING	7140-1¼ 531 (600-1¼)	7200-1½ 591 (600-1½)	7280-3 671 (700-3)	7620-3 1011 (1100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR/DME GCN	APP CRS	Rwy Ldg 8999
111.65	016°	TDZE 6556
Chan 53(Y)		Apt Elev 6609

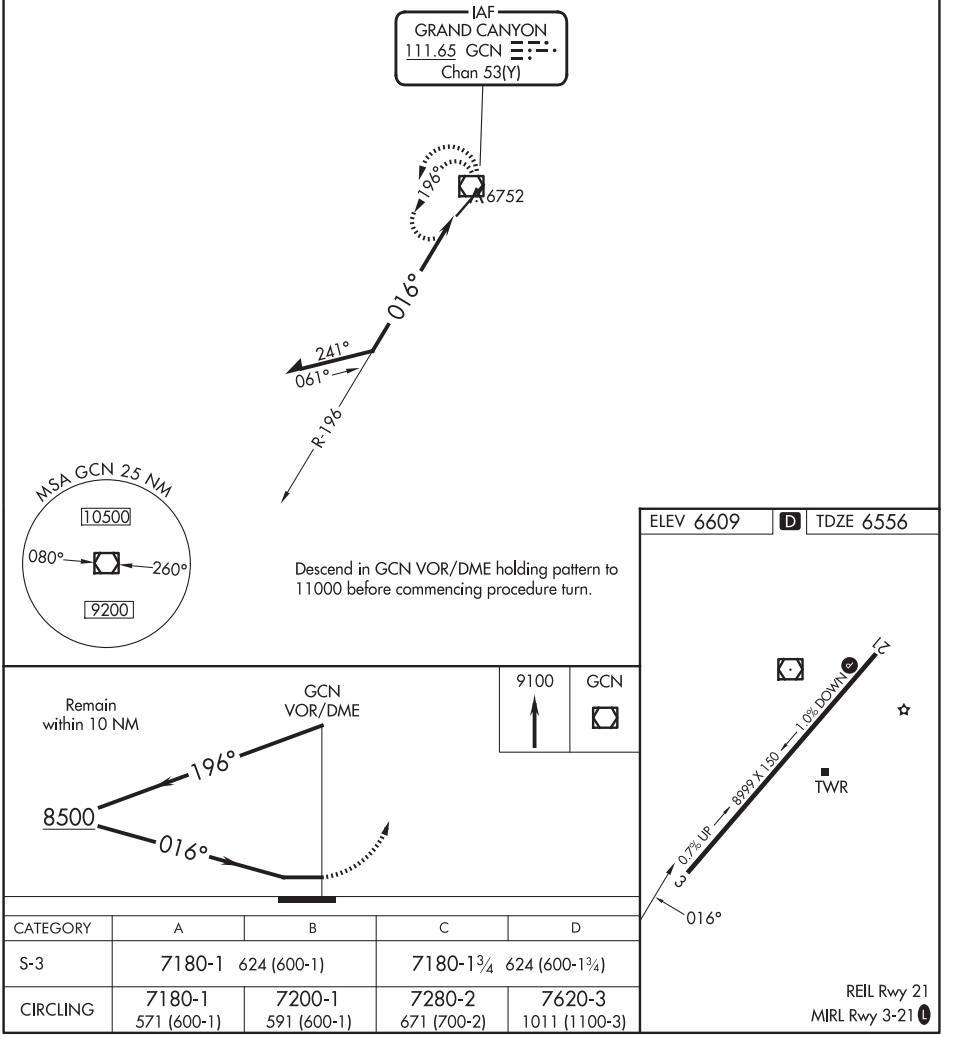
VOR RWY 3

GRAND CANYON NTL PARK (GCN)

Rwy 3 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 9100 in GCN VOR/DME holding pattern.

ATIS	LOS ANGELES CENTER	CANYON TOWER★	GND CON	UNICOM
124.3	124.85 319.2	119.0 (CTAF) L	121.9	122.95



CATEGORY	A	B	C	D
S-3	7180-1 624 (600-1)		7180-1¾ 624 (600-1¾)	
CIRCLING	7180-1 571 (600-1)	7200-1 591 (600-1)	7280-2 671 (700-2)	7620-3 1011 (1100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

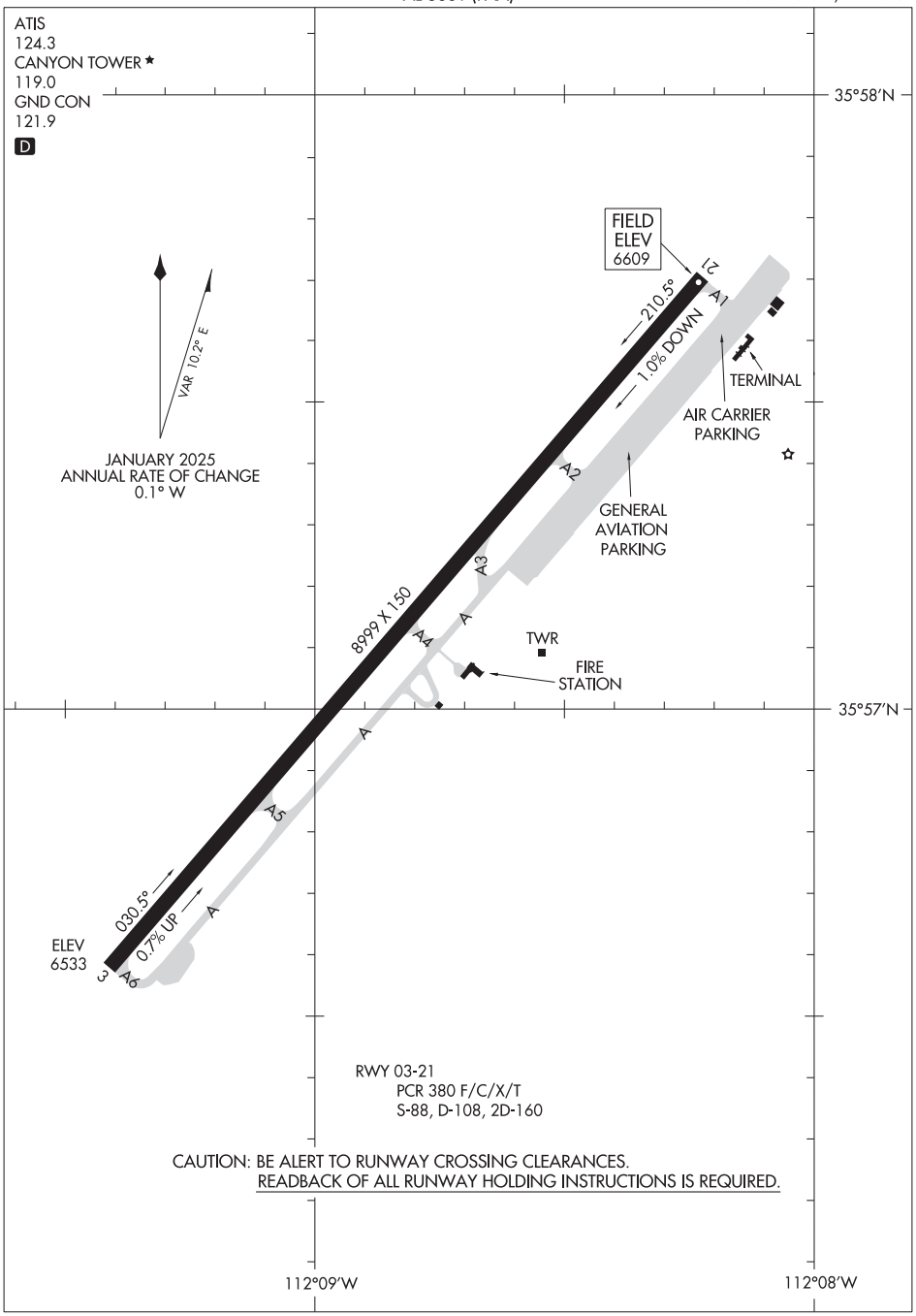
25219

AIRPORT DIAGRAM

AL-5381 (FAA)

GRAND CANYON NTL PARK (GCN)

GRAND CANYON, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

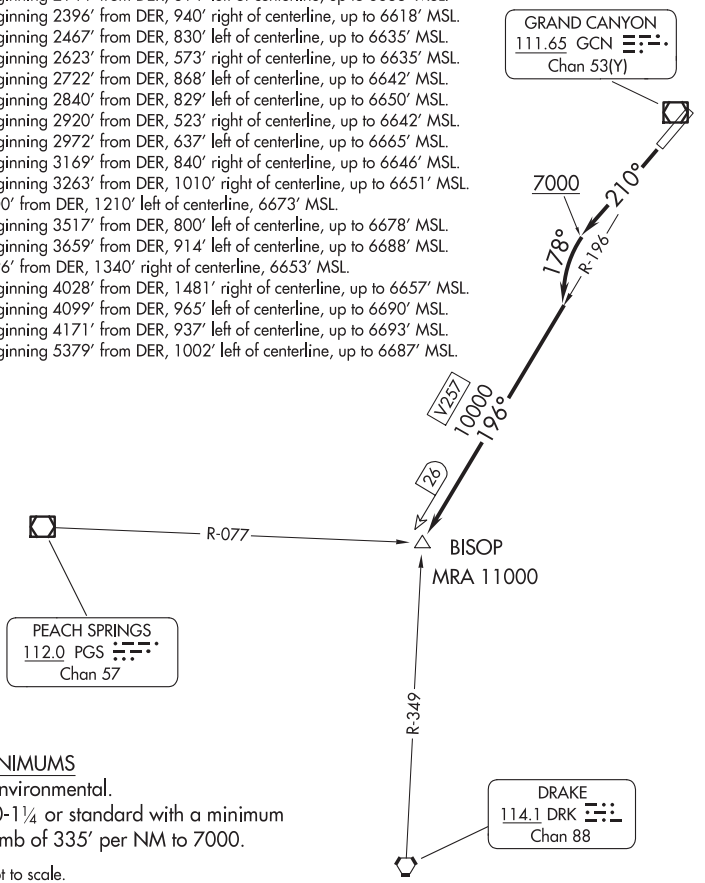
SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25219
GRAND CANYON, ARIZONA
GRAND CANYON NTL PARK (GCN)

TAKEOFF OBSTACLE NOTES

Rwy 21: Sign 10′ from DER, 330′ left of centerline, 5′ AGL/ 6536′ MSL.
Tree 282′ from DER, 481′ right of centerline, 6543′ MSL.
Ground 440′ from DER, 615′ left of centerline, 6545′ MSL.
Tree 1024′ from DER, 711′ right of centerline, 6568′ MSL.
Ground 1081′ from DER, 768′ left of centerline, 6571′ MSL.
Tree 1285′ from DER, 835′ right of centerline, 6575′ MSL.
Tree 1691′ from DER, 917′ left of centerline, 6610′ MSL.
Tree 1803′ from DER, 929′ left of centerline, 6621′ MSL.
Trees beginning 1943′ from DER, 835′ left of centerline, up to 6632′ MSL.
Tree 1960′ from DER, 993′ right of centerline, 6601′ MSL.
Tree, pole beginning 2060′ from DER, 912′ right of centerline, up to 6615′ MSL.
Trees beginning 2144′ from DER, 814′ left of centerline, up to 6633′ MSL.
Trees beginning 2396′ from DER, 940′ right of centerline, up to 6618′ MSL.
Trees beginning 2467′ from DER, 830′ left of centerline, up to 6635′ MSL.
Trees beginning 2623′ from DER, 573′ right of centerline, up to 6635′ MSL.
Trees beginning 2722′ from DER, 868′ left of centerline, up to 6642′ MSL.
Trees beginning 2840′ from DER, 829′ left of centerline, up to 6650′ MSL.
Trees beginning 2920′ from DER, 523′ right of centerline, up to 6642′ MSL.
Trees beginning 2972′ from DER, 637′ left of centerline, up to 6665′ MSL.
Trees beginning 3169′ from DER, 840′ right of centerline, up to 6646′ MSL.
Trees beginning 3263′ from DER, 1010′ right of centerline, up to 6651′ MSL.
Tree 3500′ from DER, 1210′ left of centerline, 6673′ MSL.
Trees beginning 3517′ from DER, 800′ left of centerline, up to 6678′ MSL.
Trees beginning 3659′ from DER, 914′ left of centerline, up to 6688′ MSL.
Tree 3996′ from DER, 1340′ right of centerline, 6653′ MSL.
Trees beginning 4028′ from DER, 1481′ right of centerline, up to 6657′ MSL.
Trees beginning 4099′ from DER, 965′ left of centerline, up to 6690′ MSL.
Trees beginning 4171′ from DER, 937′ left of centerline, up to 6693′ MSL.
Trees beginning 5379′ from DER, 1002′ left of centerline, up to 6687′ MSL.

ATIS 124.3
GND CON 121.9
CANYON TOWER★ 119.0
ALBUQUERQUE CENTER 128.45 298.9
LOS ANGELES CENTER 124.85 319.2
UNICOM 122.95



TAKEOFF MINIMUMS
Rwy 3: NA-Environmental.
Rwy 21: 200-1¼ or standard with a minimum climb of 335′ per NM to 7000.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 21: Climb heading 210° to 7000, then turn left heading 178° to intercept GCN VOR/DME R-196 to BISOP INT. Expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

(PARKS4.PGS) 23334

PARKS FOUR DEPARTURE

AL-5381 (FAA)

GRAND CANYON NTL PARK (GCN)
GRAND CANYON, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

PARKS FOUR DEPARTURE

(PARKS4.PGS) 27APR17

GRAND CANYON, ARIZONA
GRAND CANYON NTL PARK (GCN)

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 1

VALLE (4ØG)

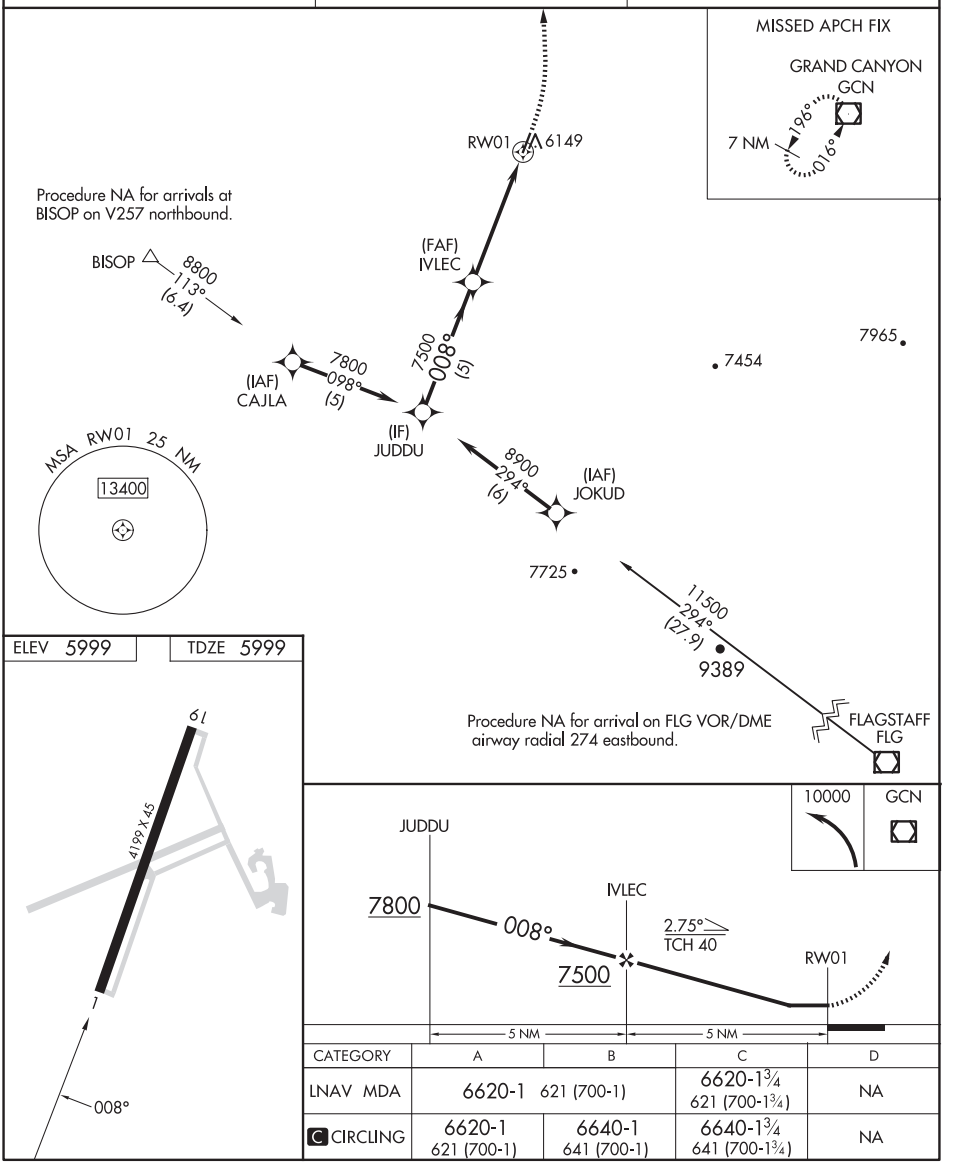
APP CRS	Rwy Ldg	4199
008°	TDZE	5999
	Apt Elev	5999

RNP APCH.

T A NA Procedure NA at night. Rwy 1 helicopter visibility reduction below 1 SM NA. Use Grand Canyon Ntl Park altimeter setting; when not received, procedure NA.

MISSED APPROACH: Climbing left turn to 10000 direct GCN VOR/DME and hold.

GCN ASOS	LOS ANGELES CENTER	UNICOM
124.3	124.85 319.2	122.8 (CTAF)



ELEV 5999 TDZE 5999

CATEGORY	A	B	C	D
LNAV MDA	6620-1 621 (700-1)		6620-1¾ 621 (700-1¾)	NA
C CIRCLING	6620-1 621 (700-1)	6640-1 641 (700-1)	6640-1¾ 641 (700-1¾)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 19

VALLE (4ØG)

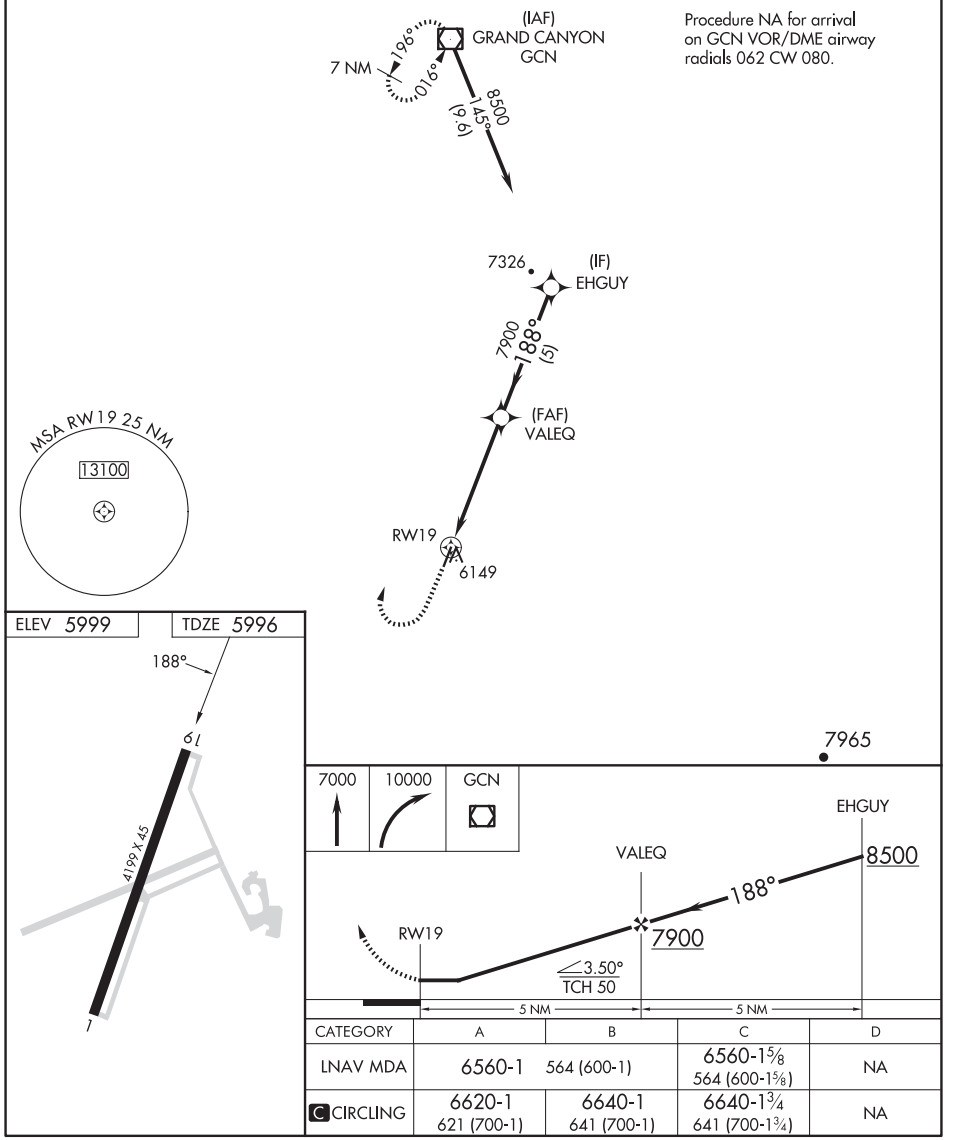
APP CRS	Rwy Ldg	4199
188°	TDZE	5996
	Apt Elev	5999

RNP APCH.

T A NA Procedure NA at night. Rwy 19 helicopter visibility reduction below 1 SM NA. Use Grand Canyon Ntl Park altimeter setting; when not received, procedure NA.

MISSED APPROACH: Climb to 7000 then climbing right turn to 10000 direct GCN VOR/DME and hold.

GCN ASOS	LOS ANGELES CENTER	UNICOM
124.3	124.85 319.2	122.8 (CTAF)



CATEGORY	A	B	C	D
LNAV MDA	6560-1 564 (600-1)		6560-1⅝ 564 (600-1⅝)	NA
C CIRCLING	6620-1 621 (700-1)	6640-1 641 (700-1)	6640-1¾ 641 (700-1¾)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	5600
CH 53746	132°	TDZE	4234
W13A		Apt Elev	4234

RNAV (GPS) RWY 13

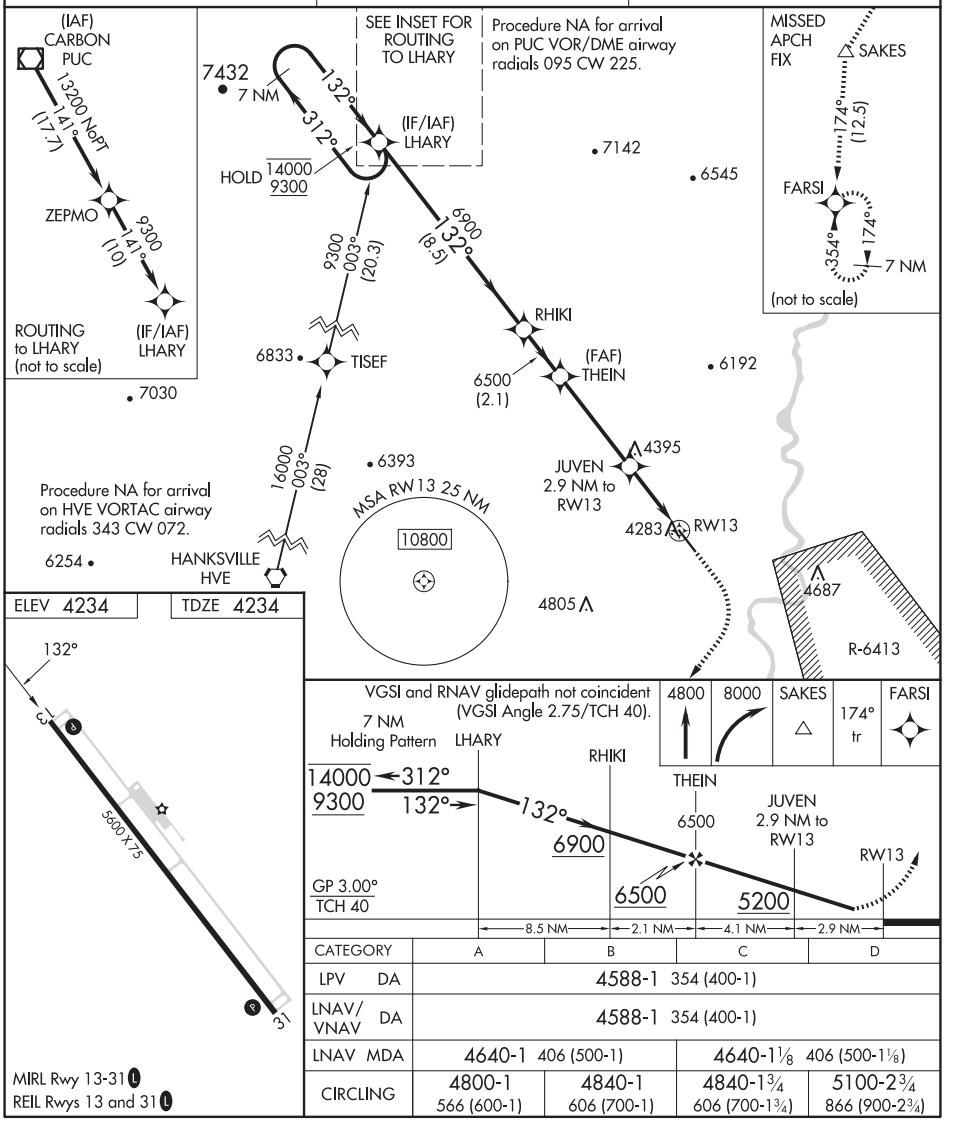
GREEN RIVER MUNI (U34)

RNP APCH - GPS.

T NA Rwy 13 helicopter visibility reduction below ¾ SM NA. Use Moab altimeter setting; when not received, use Hanksville altimeter setting and increase LPV DA to 4603 feet; increase LNAV/VNAV DA to 4603 feet; increase all MDAs 20 feet and LNAV visibility Cat C/D ⅛ SM, and Circling visibility Cat D ¼ SM. Baro-VNAV NA. Circling NA for Cats C and D notheast of Rwy 13-31.

MISSED APPROACH: Climb to 4800, then climbing right turn to 8000 direct SAKES and on 174° track to FARSI and hold.

CNY ASOS	SALT LAKE CENTER	UNICOM
118.525	133.6 269.25	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	4588-1 354 (400-1)			
LNAV/VNAV DA	4588-1 354 (400-1)			
LNAV MDA	4640-1 406 (500-1)		4640-1⅛ 406 (500-1⅛)	
CIRCLING	4800-1 566 (600-1)	4840-1 606 (700-1)	4840-1¾ 606 (700-1¾)	5100-2¾ 866 (900-2¾)

MIRL Rwy 13-31 L
REIL Rwys 13 and 31 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

GREEN RIVER, UTAH | AL-9071 (FAA) | 24193

RNAV (GPS) RWY 31
GREEN RIVER MUNI (U34)

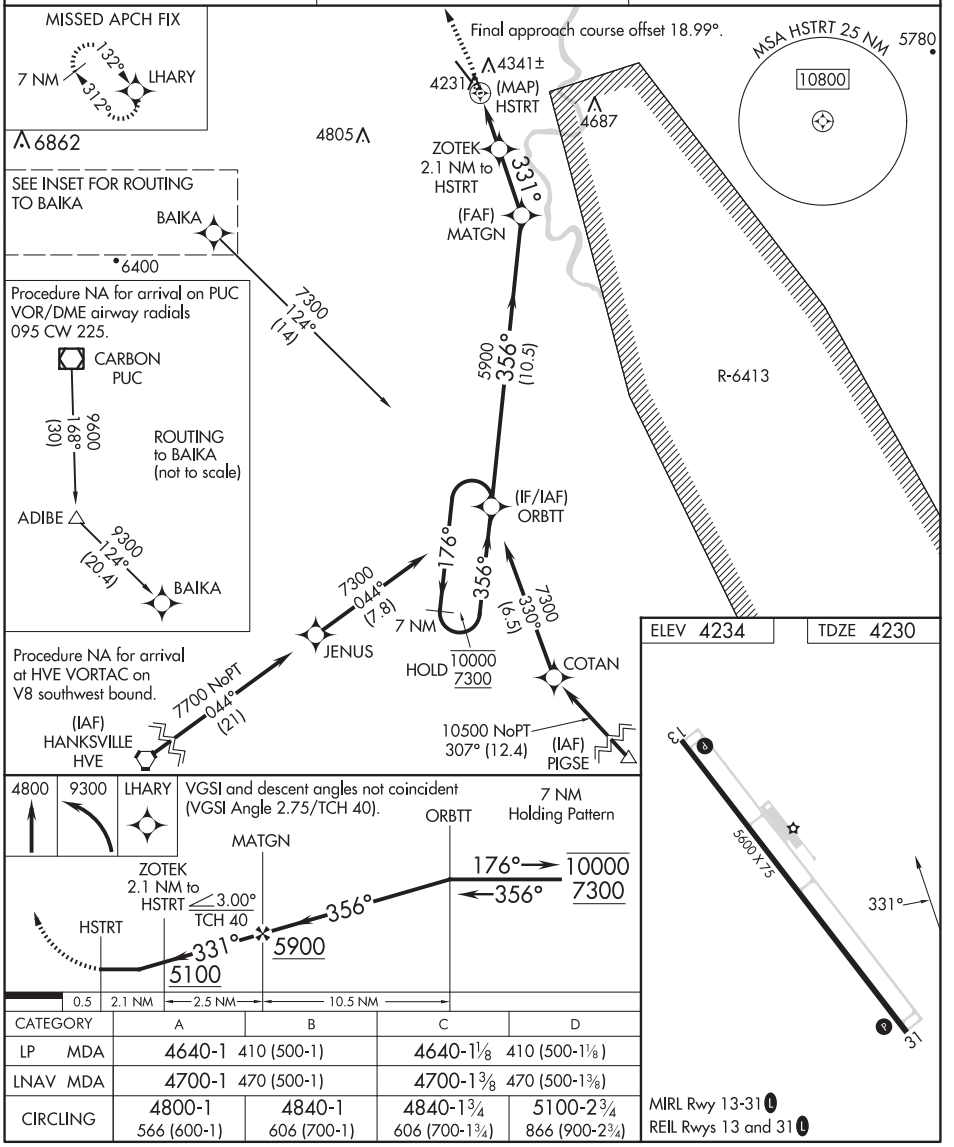
WAAS	APP CRS	Rwy Idg	5600
CH 99746	331°	TDZE	4230
W31A		Apt Elev	4234

RNP APCH - GPS.

T NA Rwy 31 helicopter visibility reduction below ¾ SM NA. Use Moab altimeter setting; when not received, use Hanksville altimeter setting and increase all MDAs 20 feet and LP visibility Cat C/D ⅛ SM, and Circling visibility Cat D ¼ SM. Circling NA for Cats C and D northeast of Rwy 13-31.

MISSED APPROACH: Climb to 4800, then climbing left turn to 9300 direct LHARY and hold, continue climb-in-hold to 9300.

CNY ASOS	SALT LAKE CENTER	UNICOM
118.525	133.6 269.25	122.8 (CTAF) L



CATEGORY	A	B	C	D
LP MDA	4640-1 410 (500-1)		4640-1⅛ 410 (500-1⅛)	
LNAV MDA	4700-1 470 (500-1)		4700-1⅜ 470 (500-1⅜)	
CIRCLING	4800-1 566 (600-1)	4840-1 606 (700-1)	4840-1¾ 606 (700-1¾)	5100-2¾ 866 (900-2¾)

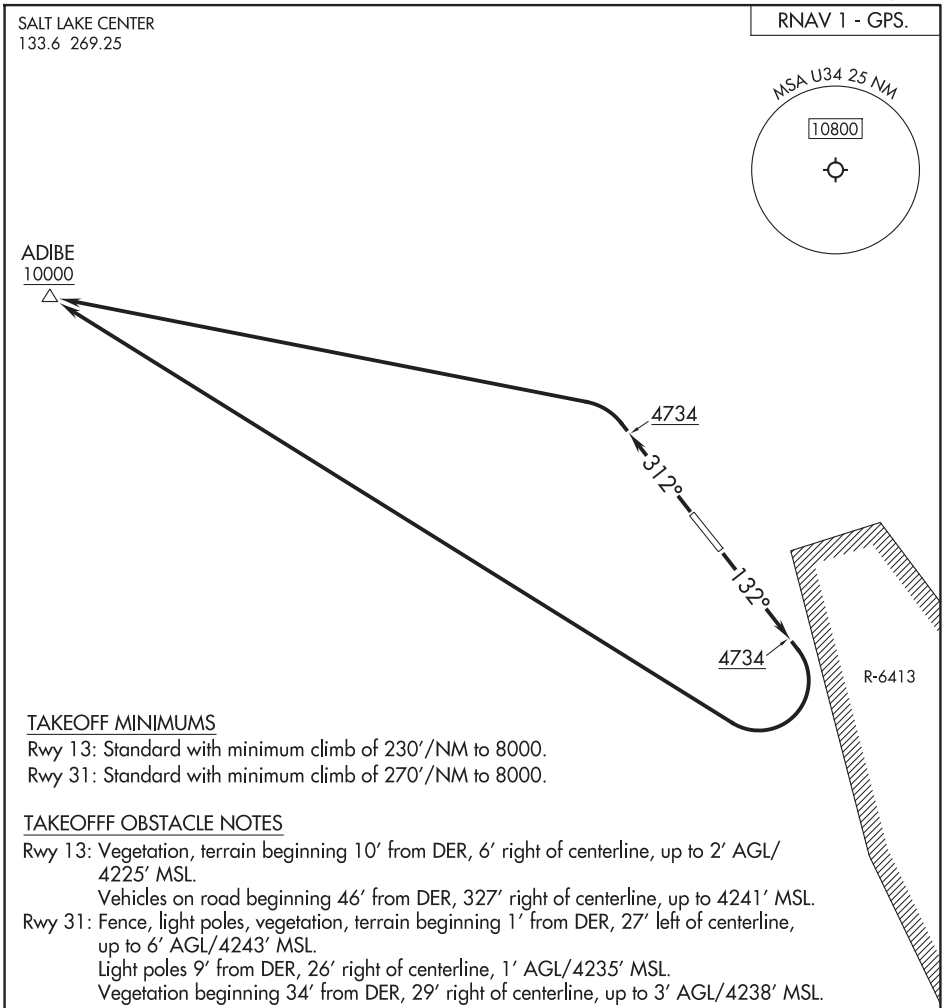
GREEN RIVER, UTAH
Orig 11JUL24

38°58′N-110°14′W

GREEN RIVER MUNI (U34)
RNAV (GPS) RWY 31

SW-4, 07 AUG 2025 to 02 OCT 2025

ADIBE ONE DEPARTURE (OBSTACLE) (RNAV)



TAKEOFF MINIMUMS

Rwy 13: Standard with minimum climb of 230′/NM to 8000.
Rwy 31: Standard with minimum climb of 270′/NM to 8000.

TAKEOFFF OBSTACLE NOTES

Rwy 13: Vegetation, terrain beginning 10′ from DER, 6′ right of centerline, up to 2′ AGL/4225′ MSL.
Vehicles on road beginning 46′ from DER, 327′ right of centerline, up to 4241′ MSL.
Rwy 31: Fence, light poles, vegetation, terrain beginning 1′ from DER, 27′ left of centerline, up to 6′ AGL/4243′ MSL.
Light poles 9′ from DER, 26′ right of centerline, 1′ AGL/4235′ MSL.
Vegetation beginning 34′ from DER, 29′ right of centerline, up to 3′ AGL/4238′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 132° to 4734, then climbing right turn direct ADIBE, thence. . . .

TAKEOFF RUNWAY 31: Climb on heading 312° to 4734, then climbing left turn direct ADIBE, thence. . . .

. . . .cross ADIBE at or above 10000 before proceeding on assigned route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

HAWTHORNE, NEVADA AL-9919 (FAA) 25163

RNAV (GPS) RWY 28

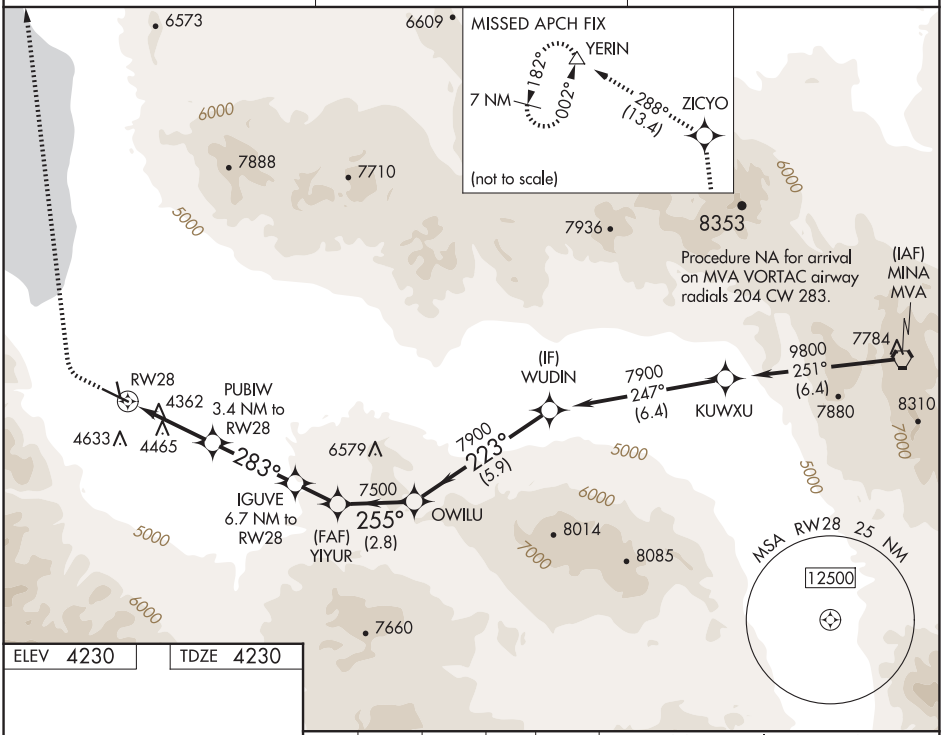
HAWTHORNE INDUSTRIAL (HTH)

WAAS	APP CRS	Rwy Ldg	6000
CH 56540	283°	TDZE	4230
W28A		Apt Elev	4230

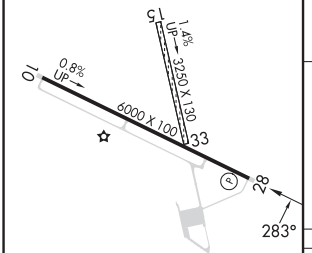
T A Circling NA to Rwys 15 and 33. When local altimeter setting not received, procedure NA. Circling NA south of Rwy 10-28. DME/DME RNP-0.3 NA. Rwy 28 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 4750 then climbing right turn to 10000 direct ZICYO and on track 288° to YERIN and hold.

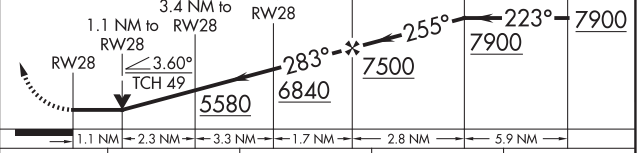
AWOS-3	OAKLAND CENTER	UNICOM
120.225	125.75 284.65	122.8 (CTAF) L



ELEV 4230 TDZE 4230



REIL Rwys 10 and 28 L
MIRL Rwy 10-28 L



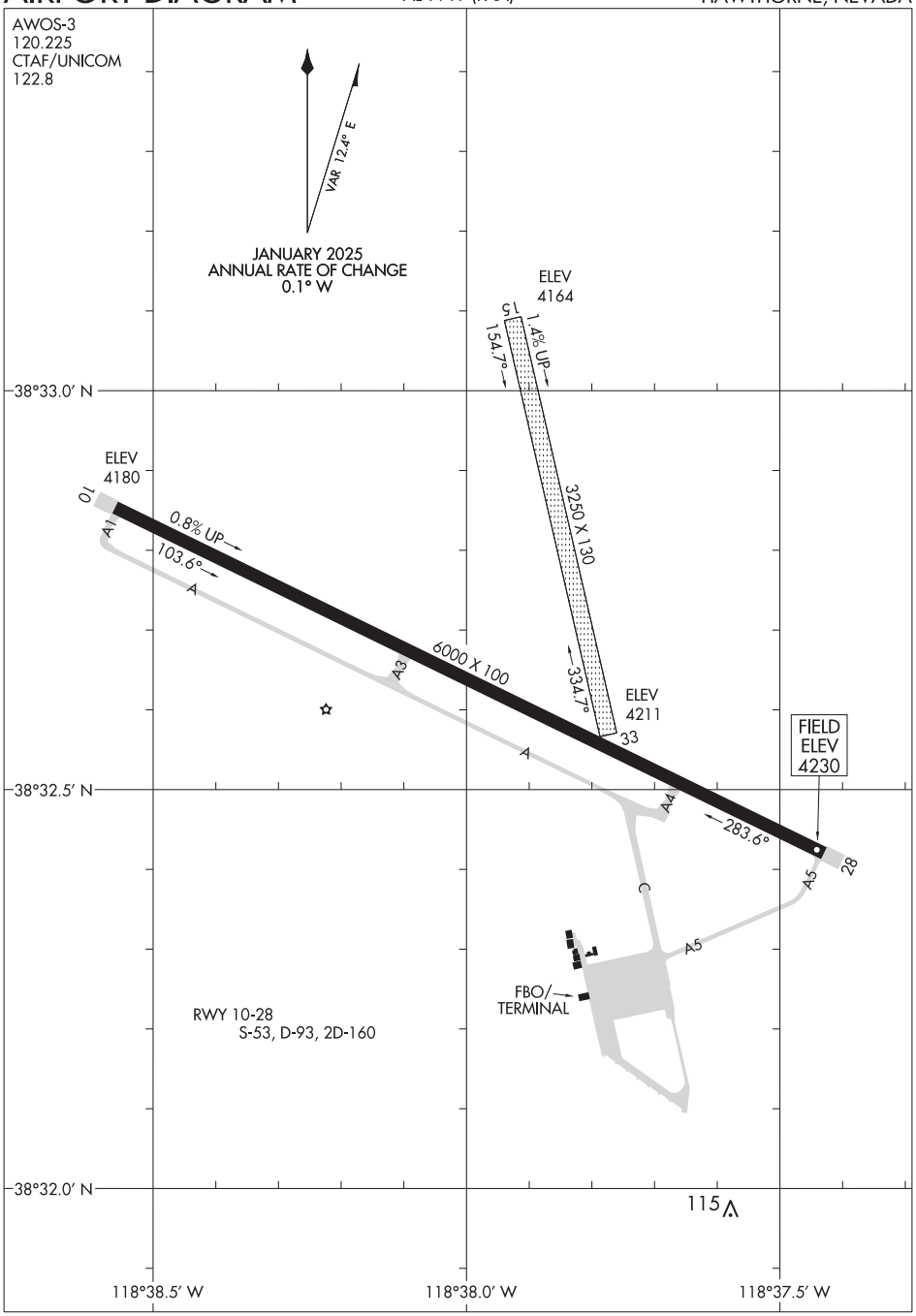
CATEGORY	A	B	C	D
LP MDA	4620-1	390 (400-1)	4620-1⅛ 390 (400-1⅛)	NA
LNAV MDA	4720-1	490 (500-1)	4720-1⅜ 490 (500-1⅜)	NA
C CIRCLING	4720-1	490 (500-1)	5680-3 1450 (1500-3)	NA

HAWTHORNE, NEVADA
Orig 14SEP17

38°33′N-118°38′W

HAWTHORNE INDUSTRIAL (HTH)
RNAV (GPS) RWY 28

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

HEBER, UTAH | AL-6969 (FAA) | 25219

RNAV (GPS)-A

HEBER VALLEY (HCR)

APP CRS	Rwy Ldg	N/A
179°	TDZE	N/A
	Apt Elev	5637

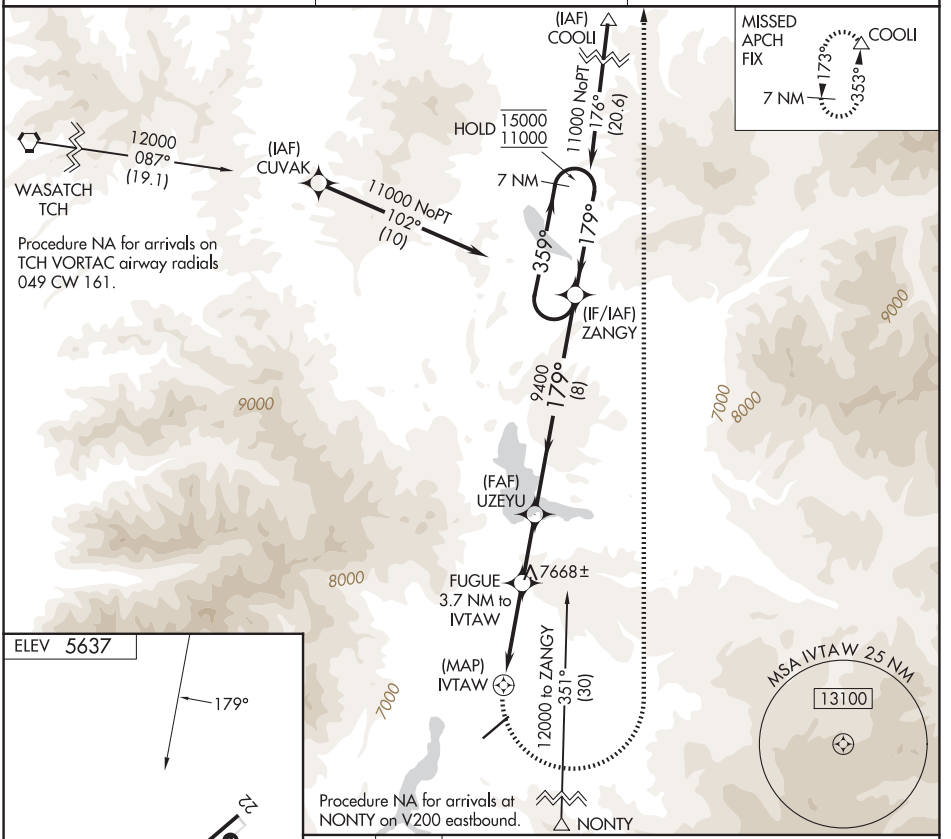
RNP APCH

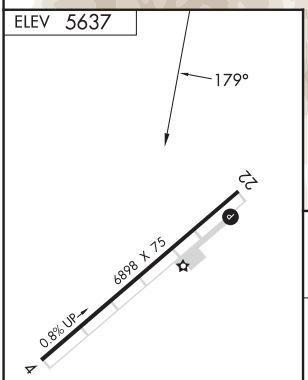
T A -16°C

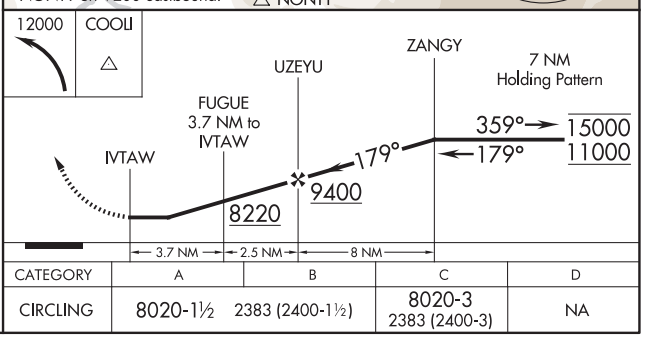
Circling NA south of Rwy 4-22.
Circling Rwy 4 NA at night.

MISSED APPROACH: (Do not exceed 210K until turn completion)
Climbing left turn to 12000 direct COOLI and hold.

AWOS-3PT	SALT LAKE CITY CENTER	UNICOM
124.825	119.95 377.15	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	8020-1½	2383 (2400-1½)	8020-3 2383 (2400-3)	NA

HEBER, UTAH
Amdt 3A 15AUG19

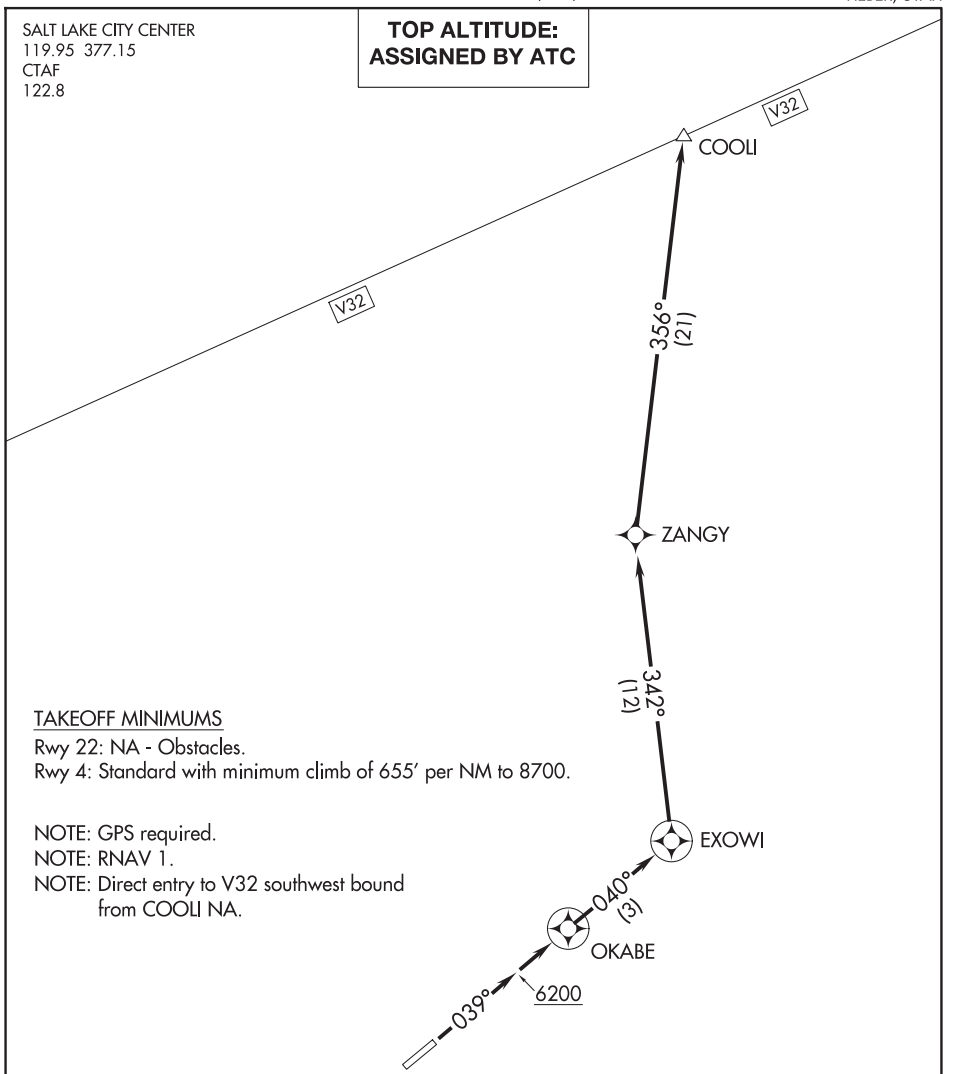
40°29′N-111°26′W

HEBER VALLEY (HCR)

RNAV (GPS)-A

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb heading 039° to 6200, then climb to 12000 (or maintain ATC assigned altitude) direct OKABE and on track 040° to EXOWI, then on depicted route to COOLI.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

OGDEN, UTAH

ILS or LOC X RWY 14

LOC I-HIF	APCH CRS	Rwy ldg 13,500 TDZE 4786 Arpt Elev 4789
109.9	139°	

AL-296 [USAF]

HILL AFB (KHIF)

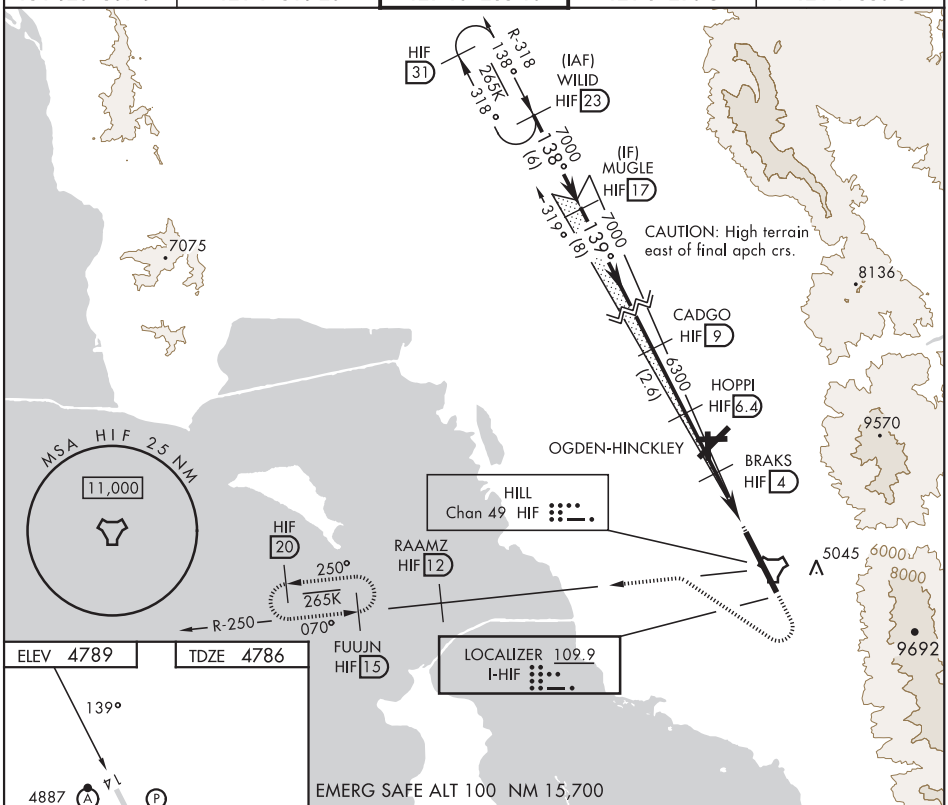
RADAR or DME required for LOC.

T * When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase RVR to 55 and vis to 1 mile.
*** Circling not authorized in sector NE of Rwy 14-32.

ALSF-2

MISSED APPROACH: Climb to 5300, then turn right heading 290°, remain within HIF TACAN 5.7 DME until established on 290° heading. Intercept the HIF R-250 outbound. Cross RAAMZ at 6500, then climb and maintain 7200 direct to FUUJN and hold.

ATIS	SALT LAKE CITY APP CON	TOWER	GND CON	CLNC DEL
134.925 397.9	121.1 319.25	127.15 263.15	121.6 275.8	124.1 335.8



CATEGORY	A	B	C	D	E
S-ILS 14 *		4986/24	200	(200-½)	
S-LOC 14 **		5080/24	294	(300-½)	
C CIRCLING ***	5280-1 491 (500-1)		5280-1½ 491(500-1½)	5340-2 551 (600-2)	5900-3 1111 (1200-3)

41°07'N-111°58'W

SW-4, 07 AUG 2025 to 02 OCT 2025

OGDEN, UTAH

TACAN X RWY 14

TACAN HIF Chan 49	APCH CRS 131°	Rwy ldg 13,500 TDZE 4786 Arpt Elev 4789

AL-296 (USAF)

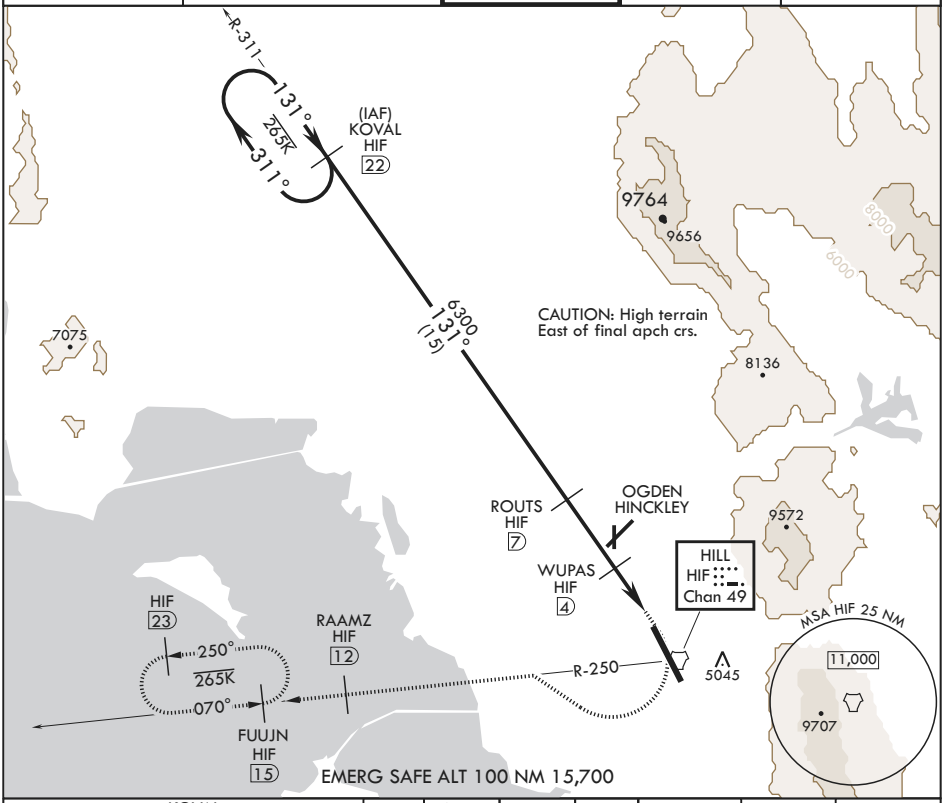
HILL AFB (KHIF)

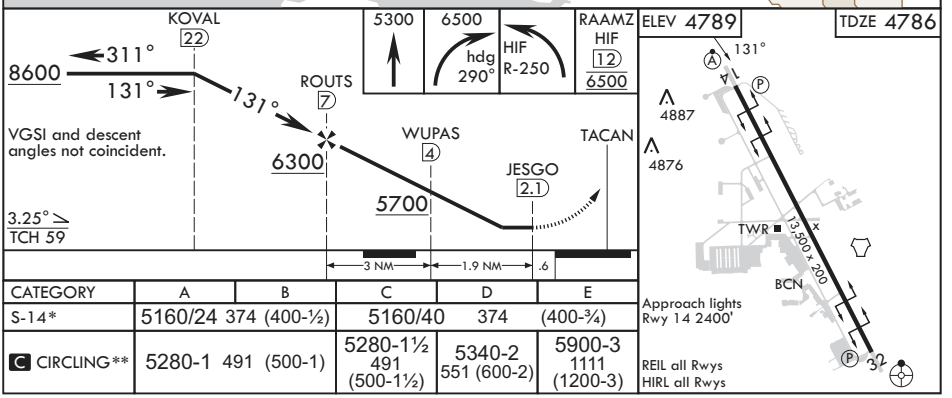
* When ALS inop, increase RVR to 55, vis to 1 mile.
** Circling not authorized in sector NE of Rwy 14-32.

ALSF-2

MISSED APPROACH: Climb to 5300, then turn right heading 290°, remain within HIF TACAN 5.7 DME until established on 290° heading. Intercept HIF R-250 outbound. Cross RAAMZ at 6500, then climb and maintain 7200 direct to FUUJN and hold.

ATIS	SALT LAKE CITY APP CON	TOWER	GND CON	CLNC DEL
134.925 397.9	121.1 319.25	127.15 263.15	121.6 275.8	124.1 335.8





CATEGORY	A	B	C	D	E
S-14*	5160/24	374 (400-½)	5160/40	374	(400-¾)
C CIRCLING**	5280-1	491 (500-1)	5280-1½ 491 (500-1½)	5340-2 551 (600-2)	5900-3 1111 (1200-3)

OGDEN, UTAH

Amdt 7 05OCT23

41°07'N - 111°58'W

HILL AFB (KHIF)

TACAN X RWY 14

SW-4, 07 AUG 2025 to 02 OCT 2025

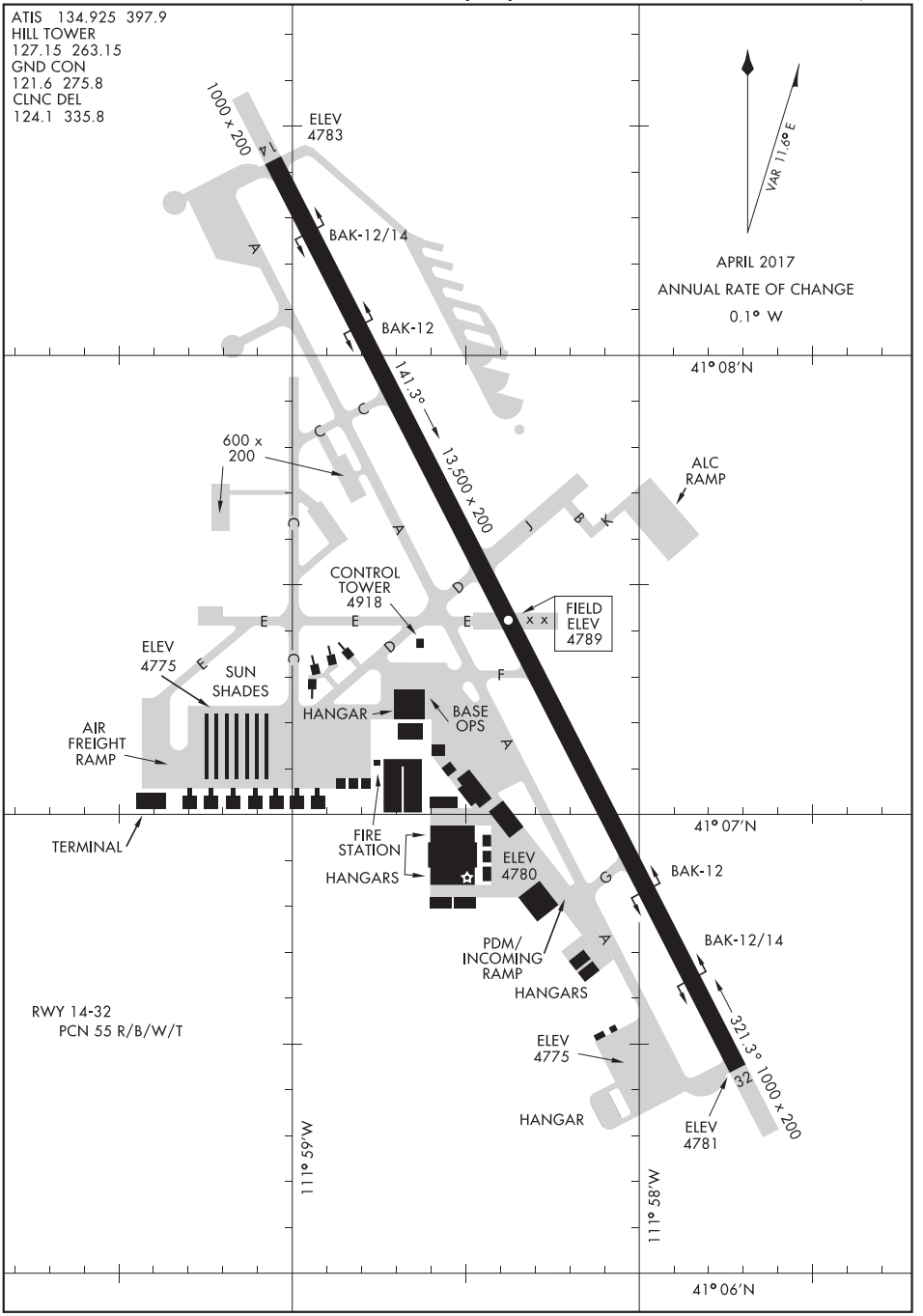
17117

AIRPORT DIAGRAM

HILL AFB (KHIF)

AFD-296 [USAF]

OGDEN, UTAH



AIRPORT DIAGRAM

OGDEN, UTAH

HILL AFB (KHIF)

SW-4, 07 AUG 2025 to 02 OCT 2025

DEVLN 1 DP (DEVLN1.DEVLN)

[USAF]

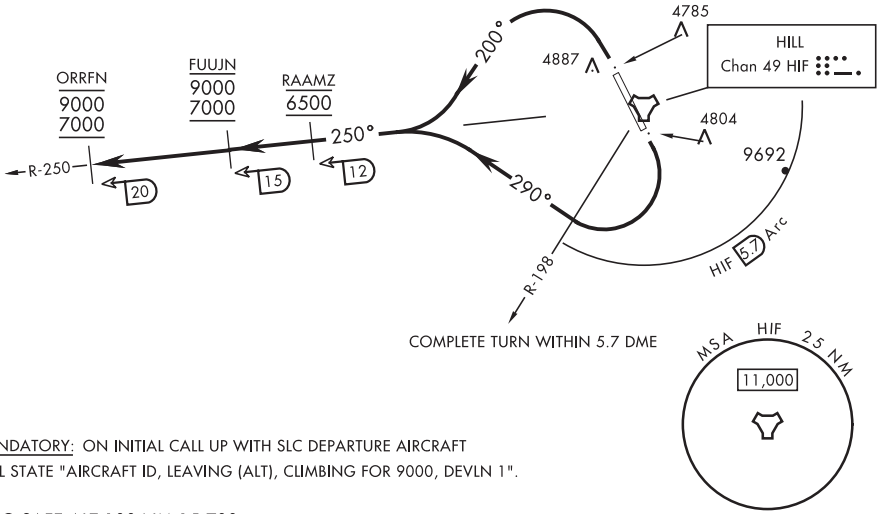
OGDEN, UTAH

ATIS 134.925 397.9
CLNC DEL
124.1 335.8
GND CON
121.6 275.8
HILL TOWER
127.15 263.15
SALT LAKE CITY
DEP CON
121.1 319.25
CLOVER CON
134.1 285.65

Rwy	Knots	60	120	180	240	300	360
14	V/V(fpm)	2095	4190	6285	8380	10475	12570
32	V/V(fpm)	4610	9220	13830	18440	23050	27660

ATC Climb Rate to 5200

Airspeed in excess of 350 KIAS not authorized until established:
Rwy 14 heading 290°
Rwy 32 heading 200°



MANDATORY: ON INITIAL CALL UP WITH SLC DEPARTURE AIRCRAFT WILL STATE "AIRCRAFT ID, LEAVING (ALT), CLIMBING FOR 9000, DEVLN 1".

EMERG SAFE ALT 100 NM 15,700

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Turn right heading 290°, remain within HIF TACAN 5.7 DME until passing the HIF R-198 and established on a heading greater than 256°, intercept HIF R-250 outbound prior to HIF 12 DME, cross RAAMZ at 6500, climb and maintain 7000 block 9000 as depicted.

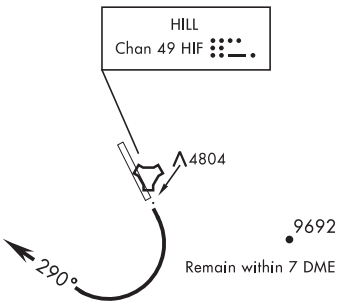
TAKEOFF RWY 32: Turn left heading 200°, intercept HIF TACAN R-250 outbound prior to HIF 12 DME, cross RAAMZ at 6500, climb and maintain 7000 block 9000 as depicted.

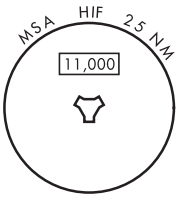
SW-4, 07 AUG 2025 to 02 OCT 2025

FREMONT 1 (VECTOR) DP (FRMNT1.FRMNT)

[USAF]

ATIS 134.925 397.9
CLNC DEL
124.1 335.8
GND CON
121.6 275.8
HILL TOWER
127.15 263.15
SALT LAKE CITY
DEP CON
121.1 319.25
CLOVER CON
134.1 285.65





Lost Communications: If radio contact has not been established by HIF R-225 or 12 DME, squawk 7600 and immediately climb to 7500 MSL.

EMERG SAFE ALT 100 NM 15,700

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Turn right heading 290°, remain within HIF TACAN 7 DME, maintain 6500.

TACAN OUT: Turn right heading 290°, maintain 6500.

LGTNG 1 DP (LGTNG1.LGTNG)

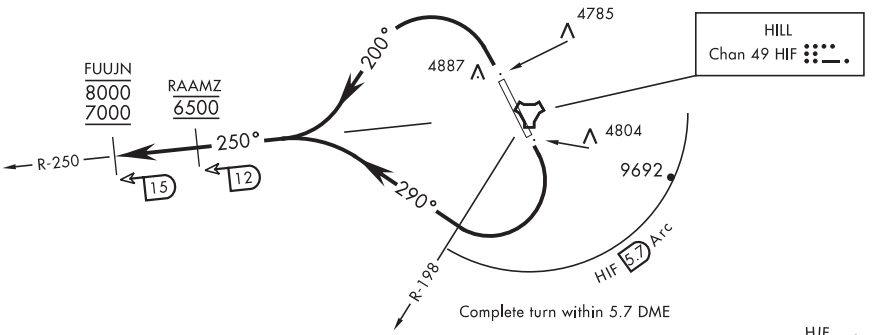
[USAF] OGDEN, UTAH

Rwy	Knots	60	120	180	240	300	360
14	V/V(fpm)	2095	4190	6285	8380	10475	12570
32	V/V(fpm)	4610	9220	13830	18440	23050	27660

ATC Climb Rate to 5200

ATIS 134.925 397.9
CLNC DEL
124.1 335.8
GND CON
121.6 275.8
HILL TOWER
127.15 263.15
SALT LAKE CITY
DEP CON
121.1 319.25
CLOVER CON
134.1 285.65

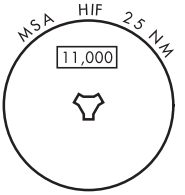
Airspeed in excess of 350 KIAS not authorized until established:
Rwy 14 heading 290°
Rwy 32 heading 200°



MANDATORY: On initial callup with SLC, aircraft will state "Aircraft ID, leaving (alt), climbing for 8000, LGTNG 1".

FOR STEREO FLIGHT PLAN USE ONLY

EMERG SAFE ALT 100 NM 15,700



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Turn right heading 290°, remain within HIF TACAN 5.7 DME until passing the HIF R-198 and established on a heading greater than 256°, intercept HIF R-250 outbound prior to HIF 12 DME, cross RAAMZ at 6500, climb and maintain 7000 block 8000.

TAKEOFF RWY 32: Turn left heading 200°, intercept HIF TACAN R-250 outbound prior to HIF 12 DME, cross RAAMZ at 6500, climb and maintain 7000 block 8000.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

24305

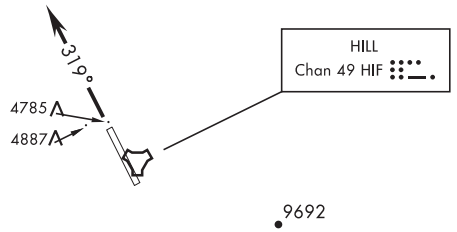
HILL AFB (KHIF)

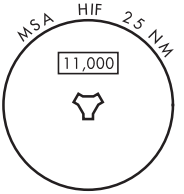
WILLARD 1 (VECTOR) DP (WLLRD1.WLLRD)

[USAF]

OGDEN, UTAH

ATIS 134.925 397.9
CLNC DEL
124.1 335.8
GND CON
121.6 275.8
HILL TOWER
127.15 263.15
SALT LAKE CITY
DEP CON
121.1 319.25
CLOVER CON
134.1 285.65





EMERG SAFE ALT 100 NM 15,700

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 32: Track heading 319°, maintain 7000.

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS)-C

HUNTINGTON MUNI (69V)

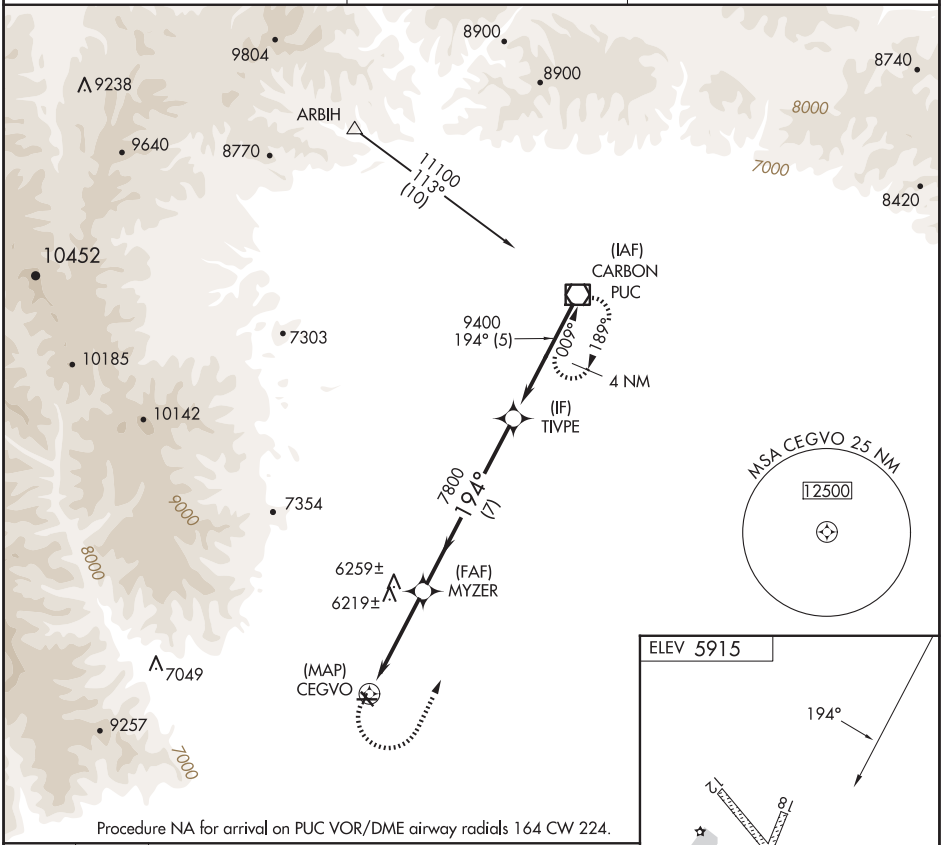
APP CRS	Rwy Ldg	N/A
194°	TDZE	N/A
	Apt Elev	5915

NA

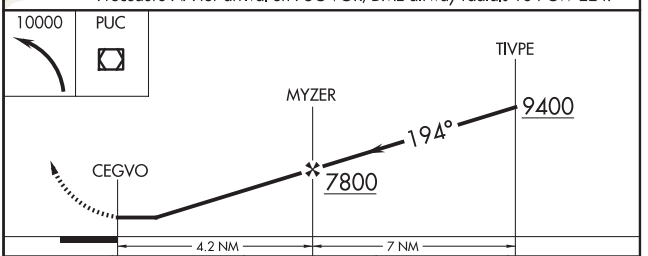
Rwy 8, 12, 26, 30 helicopter visibility reduction below 1 SM NA. DME/DME RNP-0.3 NA. Procedure NA at night. Use Price altimeter setting; when not received, procedure NA. Circling NA to Rwys 12-30 and 18-36.

MISSED APPROACH: Climbing left turn to 10000 direct PUC VOR/DME and hold.

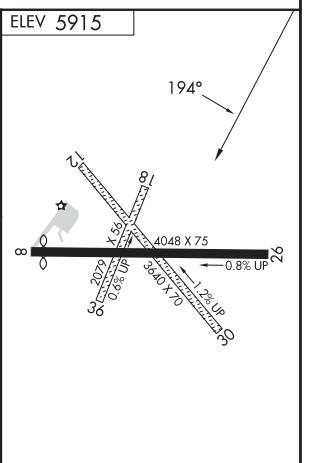
PUC ASOS	SALT LAKE CENTER	UNICOM
135.425	133.9 370.85	122.8 (CTAF) L



Procedure NA for arrival on PUC VOR/DME airway radials 164 CW 224.



CATEGORY	A	B	C	D
CIRCLING	6520-1 605 (700-1)	6600-1 685 (700-1)	6800-2¾ 885 (900-2¾)	NA



MIRL Rwy 8-26 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

HUNTINGTON, UTAH | AL-6693 (FAA) | 25163

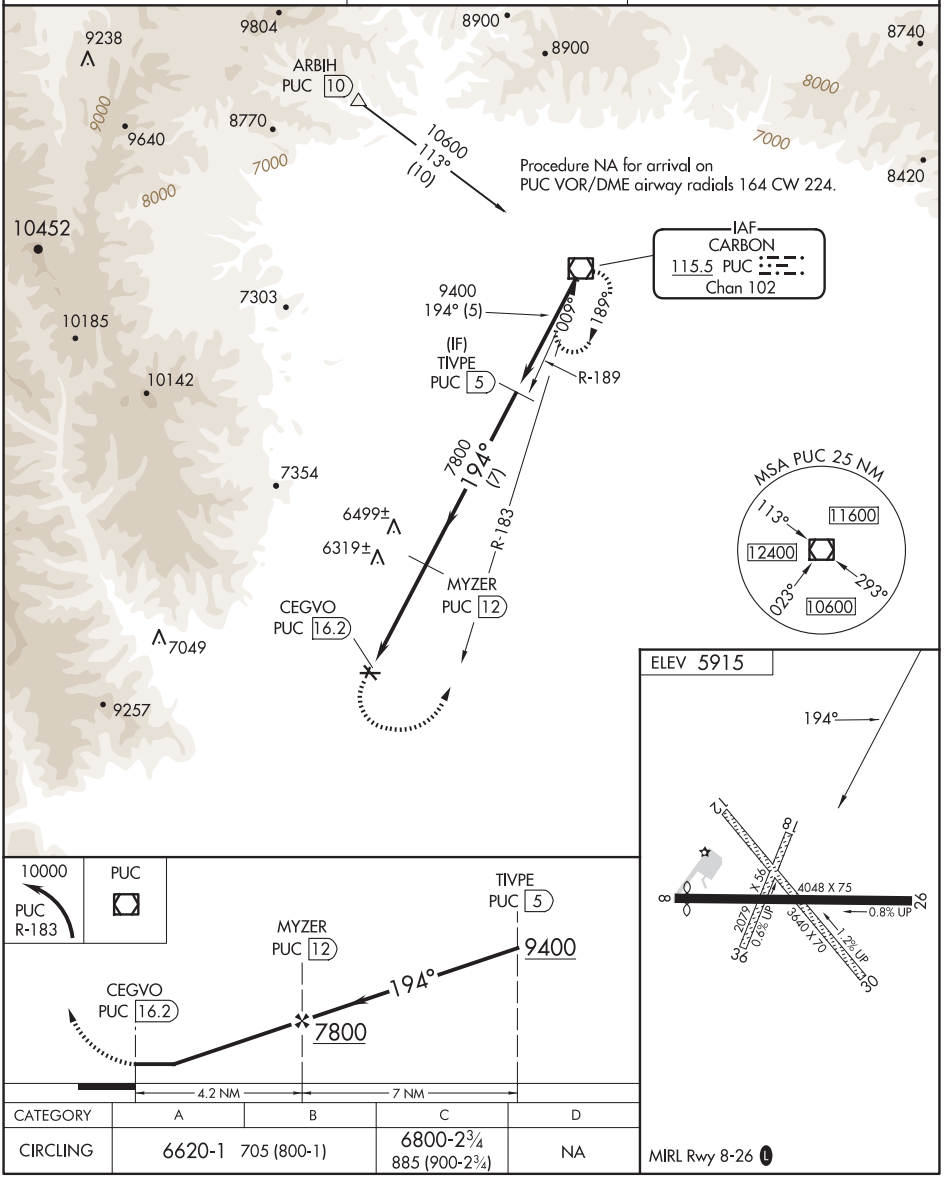
VOR/DME PUC	APP CRS	Rwy Ldg	N/A
115.5	194°	TDZE	N/A
Chan 102		Apt Elev	5915

VOR-B
HUNTINGTON MUNI (69V)

T NA Rwy 8, 12, 26, 30 helicopter visibility reduction below 1 SM NA. DME required. Procedure NA at night. Use Price altimeter setting; when not received, procedure NA. Circling NA to Rwys 12-30 and 18-36.

MISSED APPROACH: Climbing left turn to 10000 on PUC VOR/DME R-183 to PUC VOR/DME and hold.

PUC ASOS	SALT LAKE CENTER	UNICOM
135.425	133.9 370.85	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	6620-1 705 (800-1)		6800-2¾ 885 (900-2¾)	NA

MIRL Rwy 8-26 L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 1

KANAB MUNI (KNB)

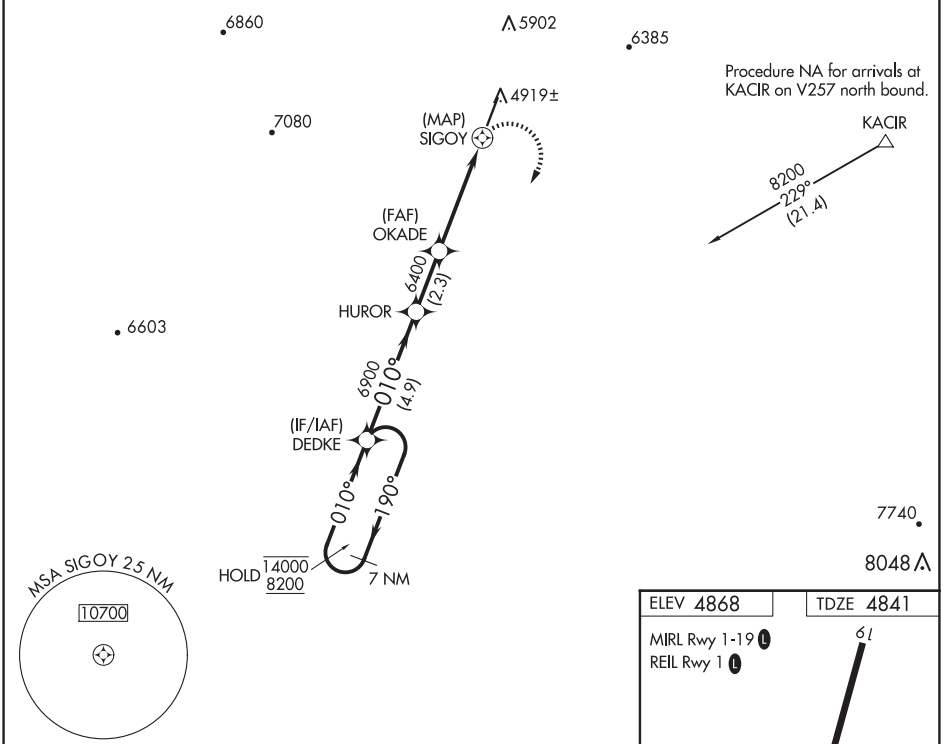
APP CRS	Rwy Idg	6200
010°	TDZE	4841
	Apt Elev	4868

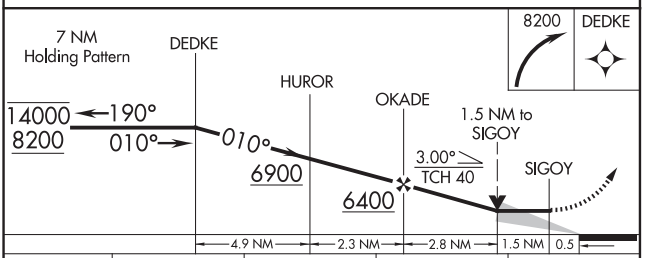
RNP APCH - GPS.

Circling Rwy 19 NA at night. Circling NA for Cat C west of Rwy 1-19.

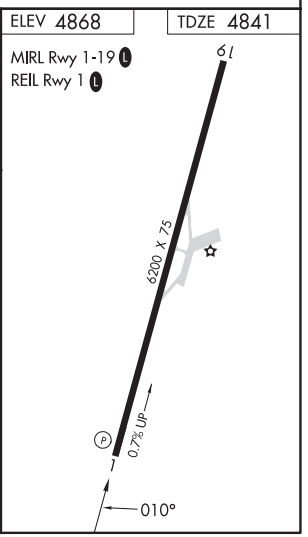
MISSED APPROACH: Climbing right turn to 8200 direct DEDKE and hold, continue climb-in-hold to 8200.

AWOS-3	LOS ANGELES CENTER	UNICOM
133.175	124.2 343.6	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	5500-1 659 (700-1)		5800-3 959 (1000-3)	NA
CIRCLING	5500-1 632 (700-1)	6100-1½ 1232 (1300-1½)	6400-3 1532 (1600-3)	NA



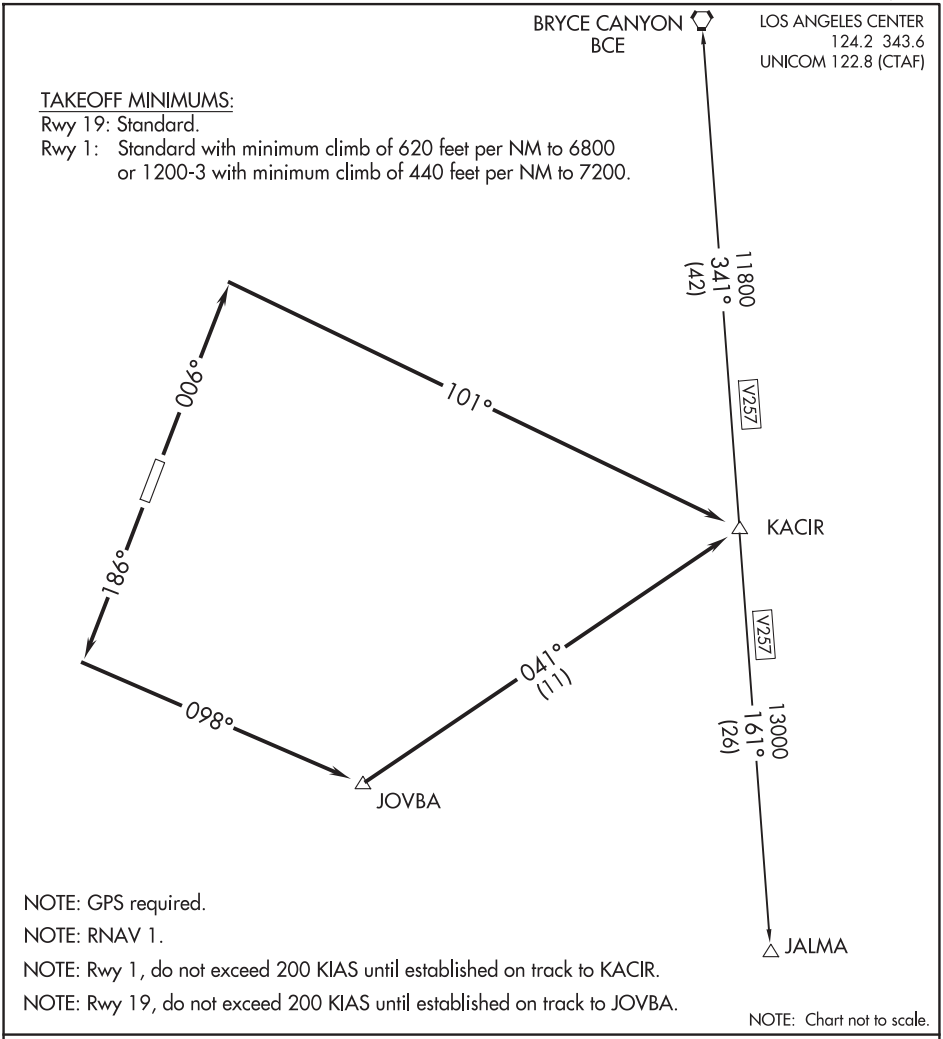
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(KACIR2.KACIR) 17341

KACIR TWO DEPARTURE (RNAV)

AL-9072 (FAA)

KANAB MUNI (KNB)
KANAB, UTAH



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 1: Climb heading 006° to intercept course 101° to KACIR, thence. . . .

TAKEOFF RWY 19: Climb heading 186° to intercept course 098° to JOVBA, then on track 041° to KACIR, thence. . . .

. . . . (transition).

BRYCE CANYON TRANSITION (KACIR2.BCE)

JALMA TRANSITION (KACIR2.JALMA)

KACIR TWO DEPARTURE (RNAV)

(KACIR2.KACIR) 15DEC11

KANAB, UTAH
KANAB MUNI (KNB)

SW-4, 07 AUG 2025 to 02 OCT 2025

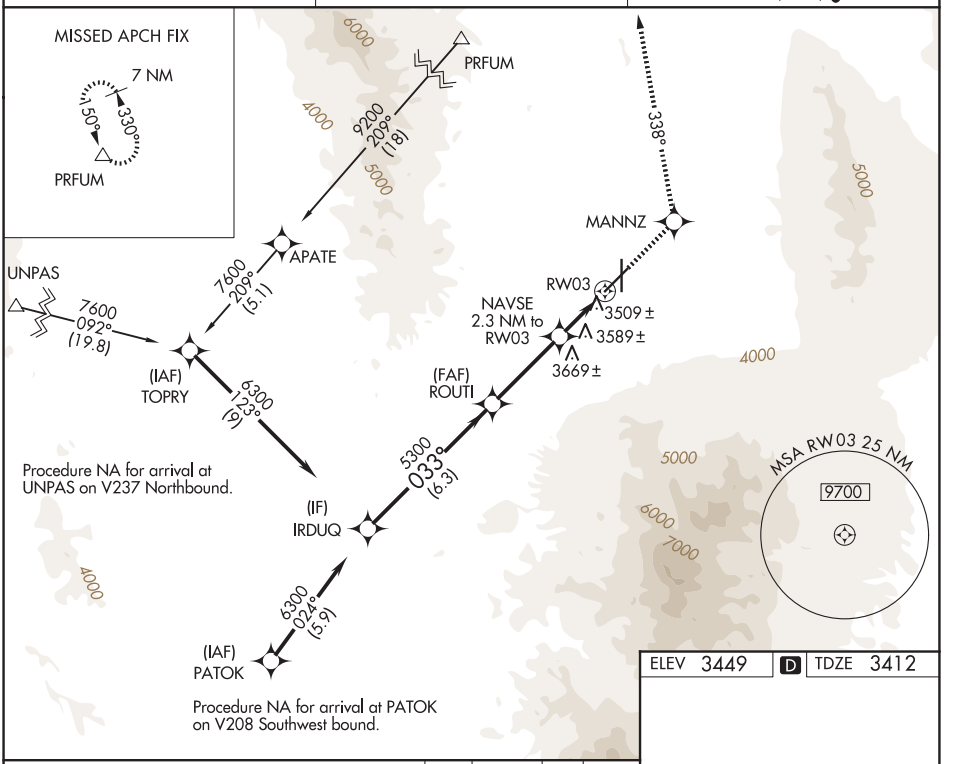
WAAS CH 86312 W03A	APP CRS 033°	Rwy Ldg 6827 TDZE 3412 Apt Elev 3449

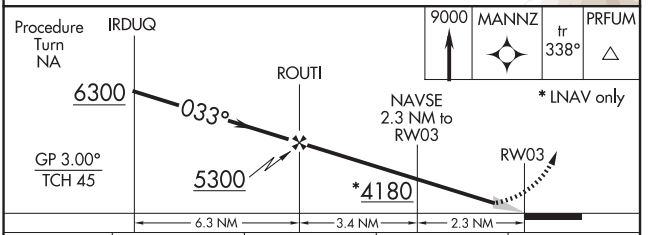
RNAV (GPS) RWY 3
KINGMAN (IGM)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 42°C (107°F). DME/DME RNP-0.3 NA. Circling NA for Cat D southeast of Rwy 3-21. Circling Rwy 35 NA at night.

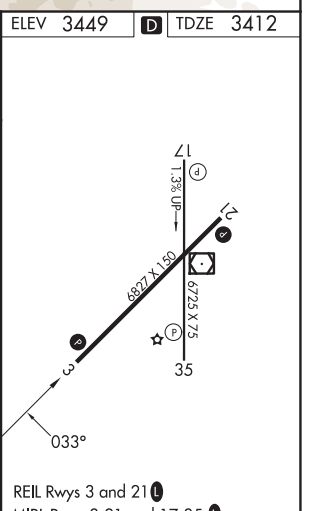
MISSED APPROACH: Climb to 9000 direct MANNZ and via track 338° to PRFUM and hold, continue climb-in-hold to 9000.

ASOS	LOS ANGELES CENTER	UNICOM
119.275	124.85 319.2	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA		3713-1	301 (400-1)	
LNAV/VNAV DA		3952-2	540 (600-2)	
LNAV MDA	3840-1 428 (500-1)		3840-1¼ 428 (500-1¼)	3840-1½ 428 (500-1½)
CIRCLING	3980-1 531 (600-1)	4100-1 651 (700-1)	4420-3 971 (1000-3)	



SW-4, 07 AUG 2025 to 02 OCT 2025

KINGMAN, ARIZONA | AL-215 (FAA) | 25219

APP CRS	Rwy Ldg	6827
198°	TDZE	3403
	Apt Elev	3449

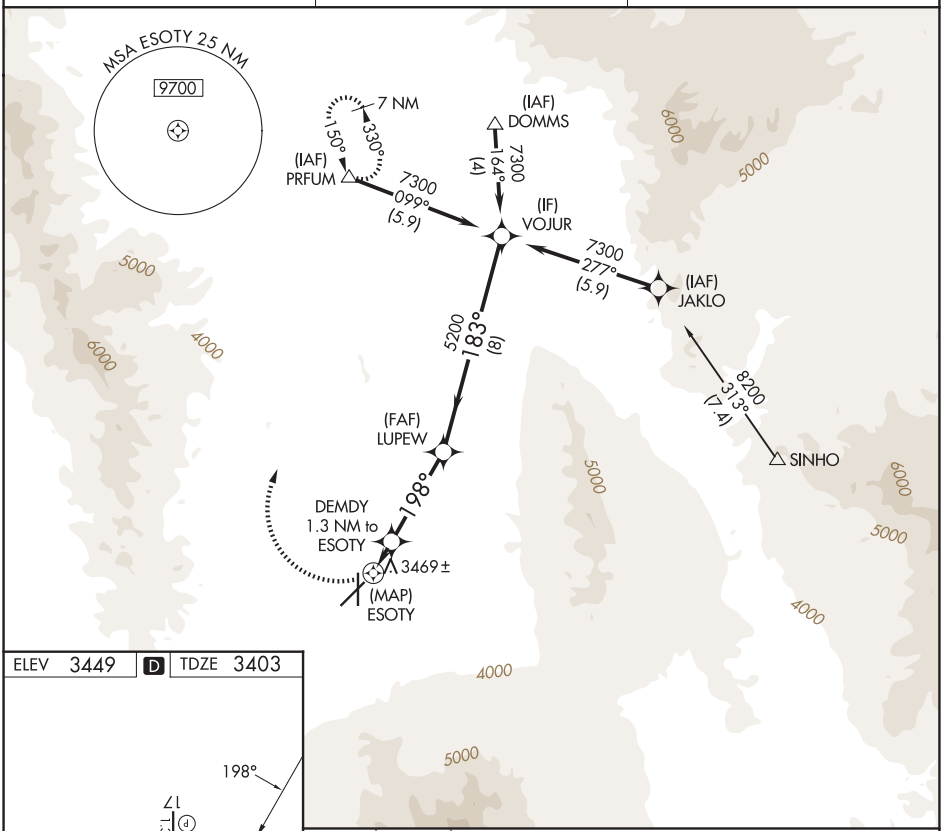
RNAV (GPS) Y RWY 21

KINGMAN (IGM)

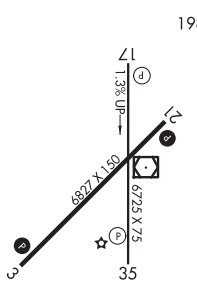
DME/DME RNP-0.3 NA. Circling NA for Cat D southeast of Rwy 3-21. Circling Rwy 35 NA at night.

MISSED APPROACH: Climbing right turn to 9000 direct PRFUM and hold, continue climb-in-hold to 9000.

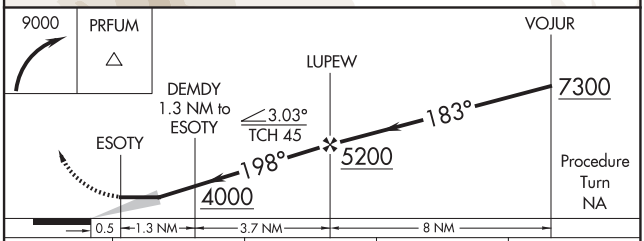
ASOS	LOS ANGELES CENTER	UNICOM
119.275	124.85 319.2	122.8 (CTAF) L



ELEV 3449 D TDZE 3403



REIL Rwys 3 and 21 L
MIRL Rwys 3-21 and 17-35 L



CATEGORY	A	B	C	D
LNAV MDA	3820-1 417 (400-1)		3820-1¼ 417 (400-1¼)	
CIRCLING	3980-1 531 (600-1)	4100-1 651 (700-1)	4420-3 971 (1000-3)	

KINGMAN, ARIZONA
Orig-C 20MAY21

35°16′N-113°56′W

KINGMAN (IGM)

RNAV (GPS) Y RWY 21

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	6827
CH 70612	213°	TDZE	3403
W21A		Apt Elev	3449

RNAV (GPS) Z RWY 21

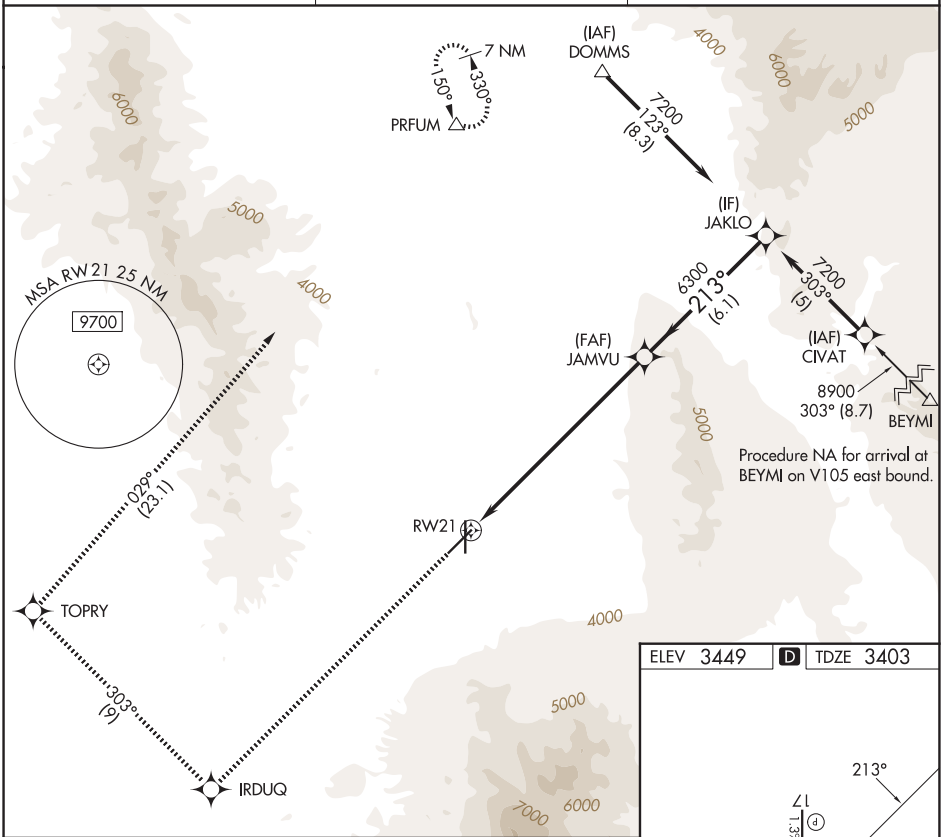
KINGMAN (IGM)

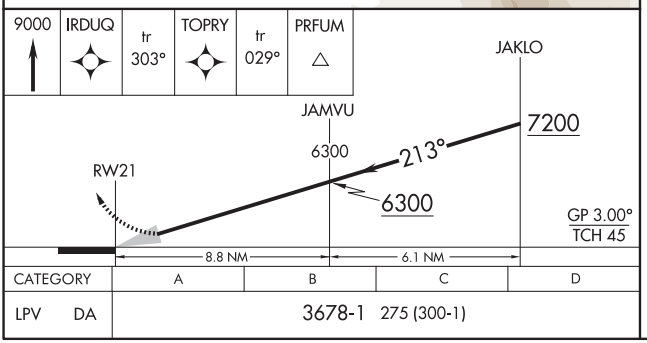
RNP APCH - GPS.

NA

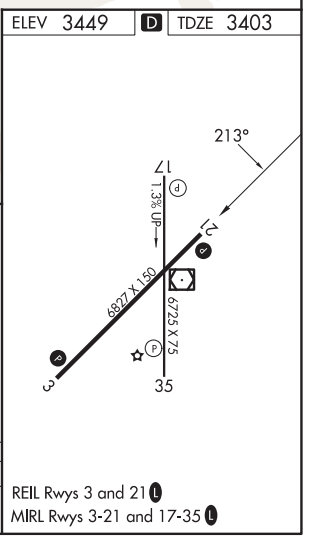
MISSED APPROACH: Climb to 9000 direct IRDUQ and on track 303° to TOPRY and on track 029° to PRFUM and hold.

ASOS	LOS ANGELES CENTER	UNICOM
119.275	124.85 319.2	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	3678-1	275 (300-1)		



REIL Rwys 3 and 21 L

MIRL Rwys 3-21 and 17-35 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

KINGMAN, ARIZONA | AL-215 (FAA) | 25219

VOR/DME IGM	APP CRS	Rwy Ldg	6827
108.8	190°	TDZE	3403
Chan 25		Apt Elev	3449

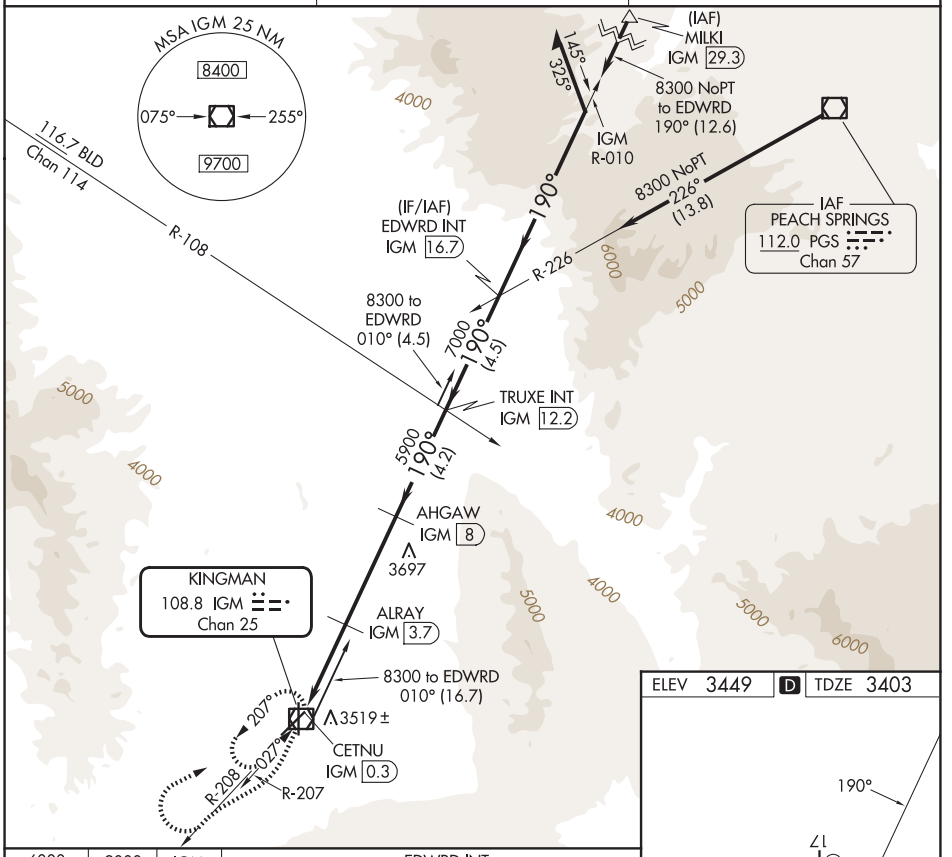
VOR/DME RWY 21

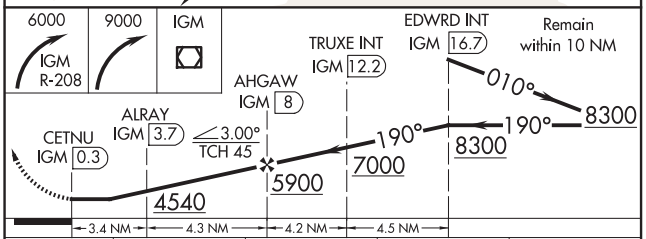
KINGMAN (IGM)

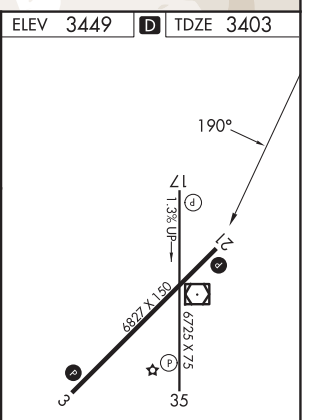
Circling Rwy 35 NA at night.

MISSED APPROACH: Climbing right turn to 6000 via IGM VOR/DME R-208 then climbing right turn to 9000 direct IGM VOR/DME and hold.

ASOS	LOS ANGELES CENTER	UNICOM
119.275	124.85 319.2	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-21	3880-1 477 (500-1)		3880-1¼ 477 (500-1¼)	3880-1½ 477 (500-1½)
CIRCLING	3980-1 531 (600-1)	4100-1 651 (700-1)	4420-3 971 (1000-3)	5340-3 1891 (2000-3)

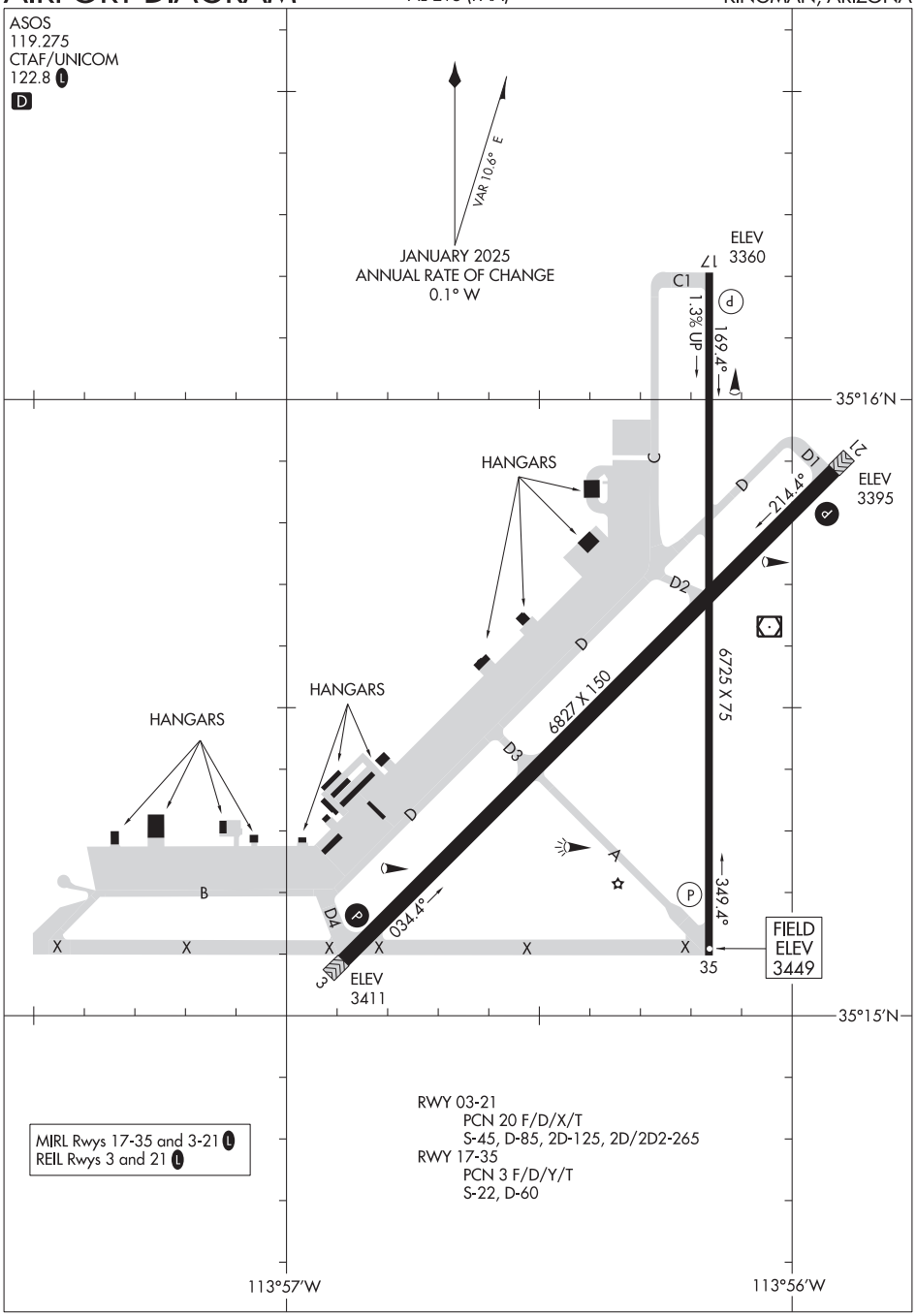
MIRL Rwys 3-21 and 17-35 L
REIL Rwys 3 and 21 L

KINGMAN, ARIZONA
Amdt 7D 20MAY21

35°16′N-113°56′W

KINGMAN (IGM)
VOR/DME RWY 21

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

RNAV (GPS) RWY 6

APCH CRS	Rwy ldg	6043
063°	TDZE	387
	Arpt Elev	433

[USA] LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

RNP APCH - GPS

RADAR required for holding.

T Procedure not authorized when airfield closed.
* Straight-in Minimums not authorized at night.
** Circling not authorized NW of Rwys 6 and 18.
Circling to Rwy 24 not authorized at night.

A NA

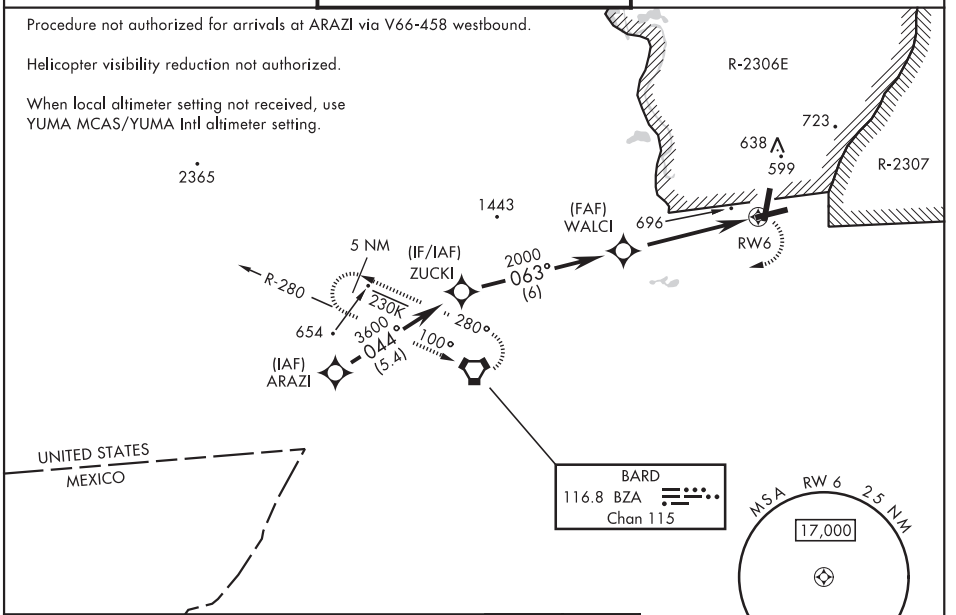
MISSED APPROACH: Climbing right turn to 3600 direct BZA VORTAC and hold.

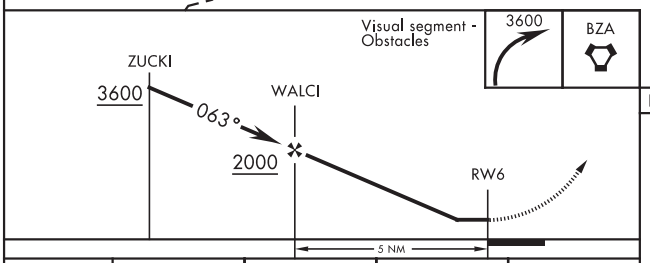
YUMA APP CON	TOWER ★	GND CON
124.7 371.975	126.2 (CTAF) 242.175	121.8 L 229.4

Procedure not authorized for arrivals at ARAZI via V66-458 westbound.

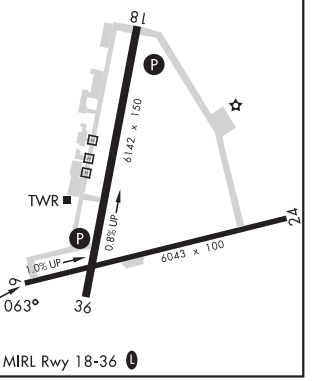
Helicopter visibility reduction not authorized.

When local altimeter setting not received, use YUMA MCAS/YUMA Intl altimeter setting.





ELEV	433	TDZE	387



CATEGORY	A	B	C	D
LNAV MDA*	1020-1 633 (600-1)		1020-1¾ 633 (600-1¾)	
C CIRCLING**	1080-1 647 (700-1)		1080-1¾ 647 (700-1¾)	1080-2 647 (700-2)
YUMA MCAS/YUMA Intl ALTIMETER SETTING				
LNAV MDA*	1100-1 713 (700-1)		1100-2 713 (700-2)	
C CIRCLING**	1160-1 727 (800-1)		1160-2 727 (800-2)	1160-2¼ 727 (800-2¼)

YUMA, ARIZONA 32°52′N-114°24′W LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

Amdt 1 05OCT23

RNAV (GPS) RWY 6

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

RNAV (GPS) RWY 18

APCH CRS	Rwy ldg	6142
161°	TDZE	410
	Arpt Elev	433

[USA] LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

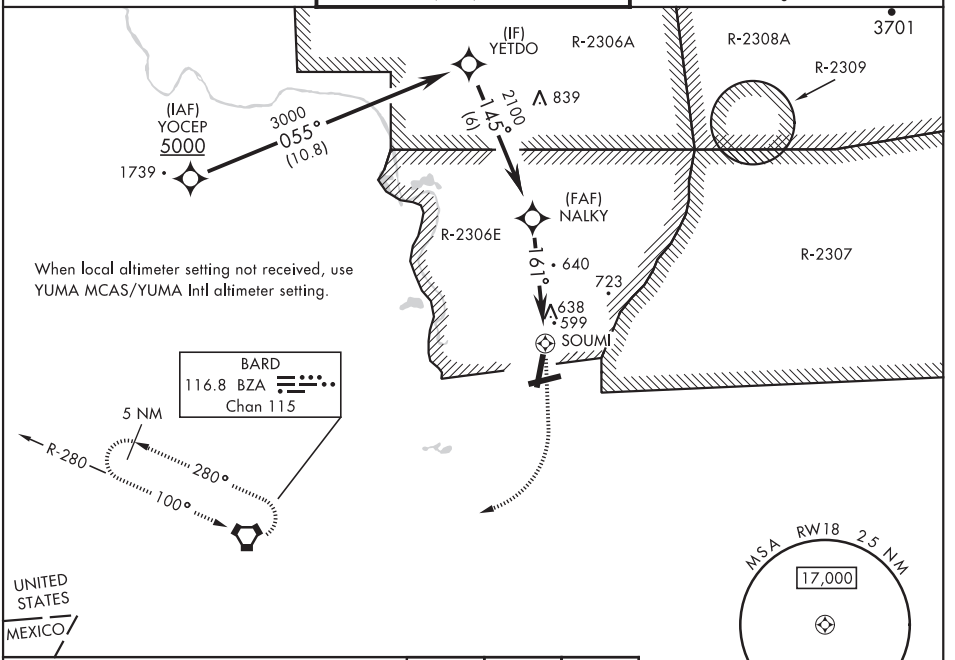
RNP APCH - GPS

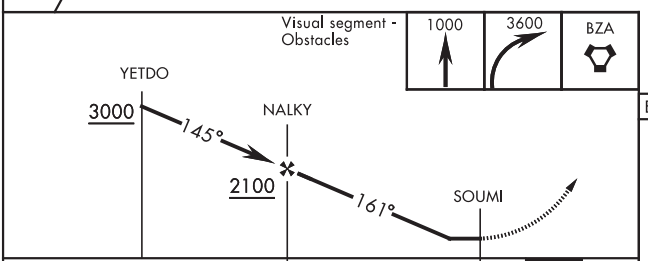
RADAR required for holding.

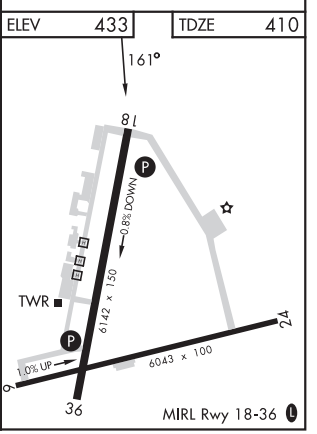
▼ Procedure not authorized when airfield closed.
* Circling to Rwy 24 not authorized at night.
▲ NA Circling not authorized NW of Rwys 6 and 18.

MISSED APPROACH: Climb to 1000, then climbing right turn to 3600 direct BZA VORTAC and hold, continue climbing in hold to 3600.

YUMA APP CON	TOWER ★	GND CON
124.7 371.975	126.2 (CTAF) 242.175	121.8 (L) 229.4







CATEGORY	A	B	C	D
LNAV MDA	900-1 490 (500-1)		900-1⅜ 490 (500-1⅜)	
C CIRCLING*	900-1 467 (500-1)	940-1 507 (600-1)	940-1½ 507 (600-1½)	1040-2 607 (700-2)
YUMA MCAS/YUMA Intl ALTIMETER SETTING				
LNAV MDA	980-1 570 (600-1)		980-1⅝ 570 (600-1⅝)	
C CIRCLING*	980-1 547 (600-1)	1020-1 587 (600-1)	1020-1⅝ 587 (600-1⅝)	1120-2¼ 687 (700-2¼)

YUMA, ARIZONA 32°52'N-114°24'W LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

Amdt 1 05OCT23

RNAV (GPS) RWY 18

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

VOR RWY 6

VORTAC BZA	APCH CRS	Rwy Idg	6043
116.8	048°	TDZE	387
Chan 115		Arpt Elev	433

[USA] LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

RADAR required for holding.

T * Procedure not authorized at night.
A NA ** Circling not authorized NW of rwys 06 and 18.

MISSED APPROACH: Climbing right turn to 3800 direct BZA VORTAC and hold, continue climb-in-hold to 3800.

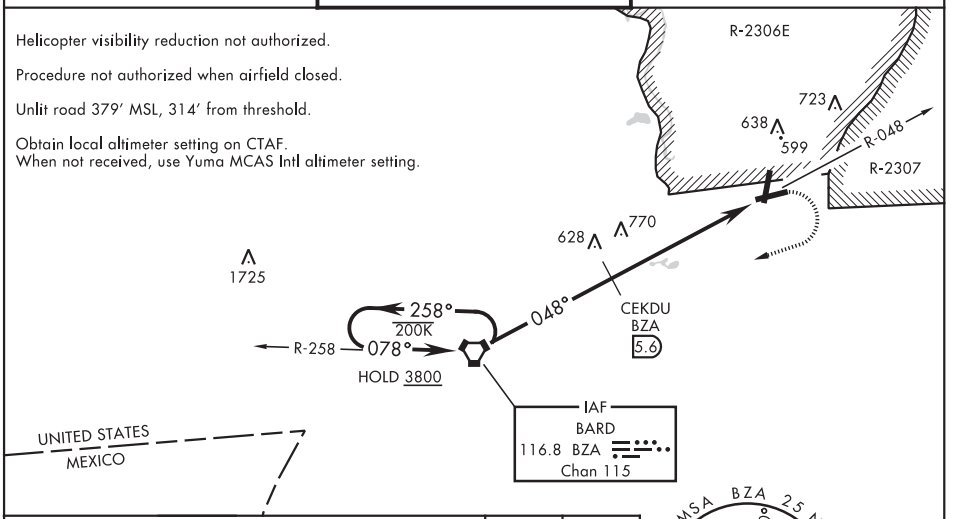
YUMA APP CON	TOWER ★	GND CON
124.7 371.975	126.2 (CTAF) 242.175	121.8 L 229.4

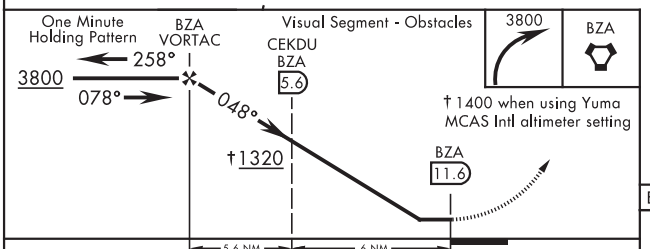
Helicopter visibility reduction not authorized.

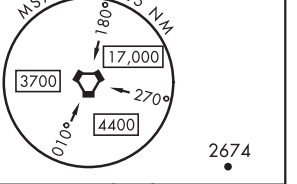
Procedure not authorized when airfield closed.

Unlit road 379′ MSL, 314′ from threshold.

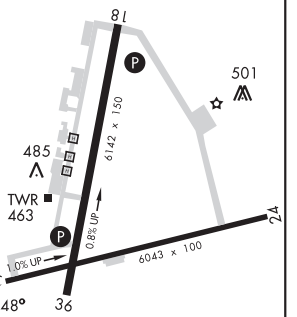
Obtain local altimeter setting on CTAF.
When not received, use Yuma MCAS Intl altimeter setting.







ELEV	433	TDZE	387



MIRL Rwy 18-36 L

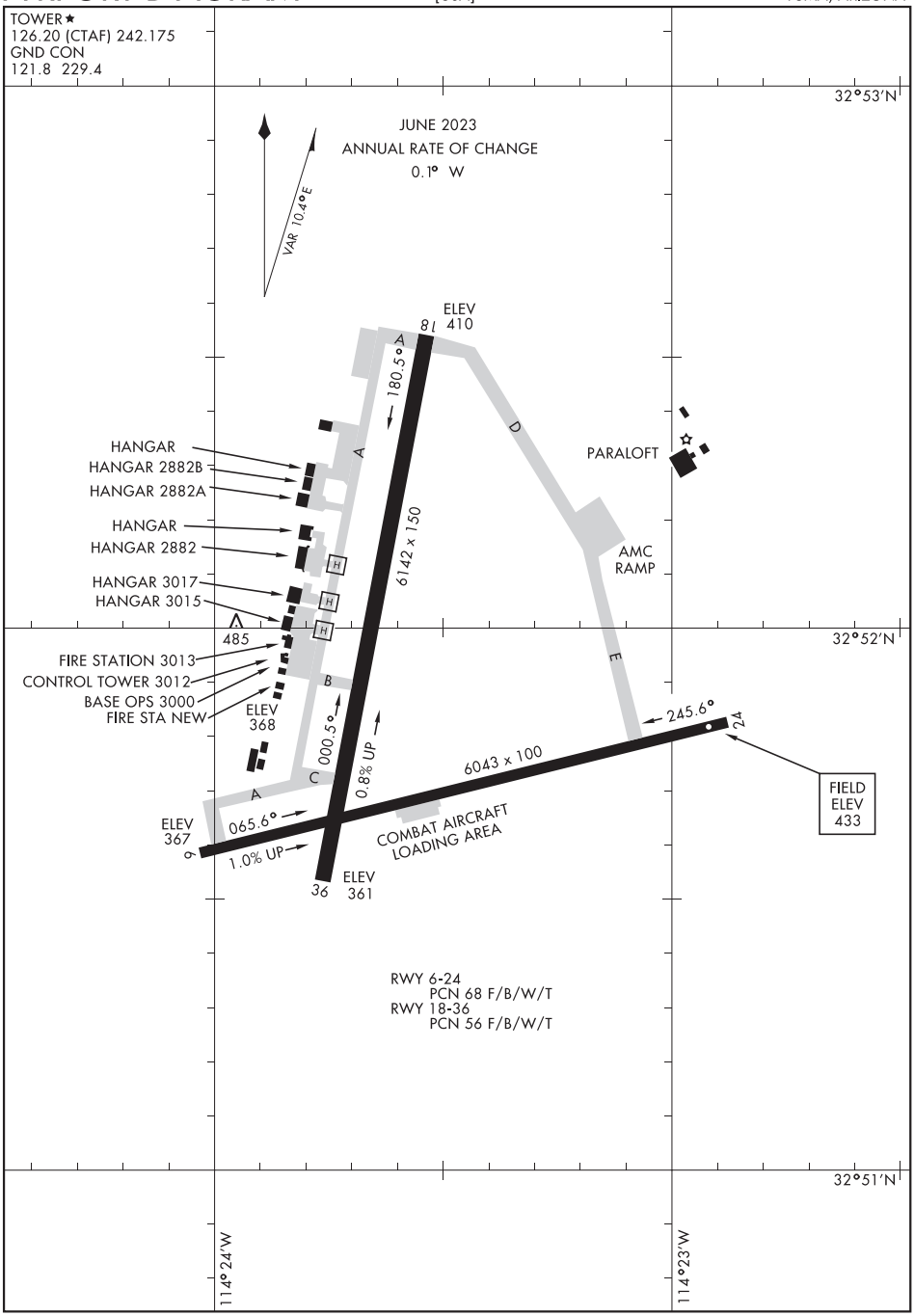
CATEGORY	A	B	C	D
S-6*	1320-1¼ 933 (900-1¼)		1320-2½ 933 (900-2½)	
C CIRCLING**	1320-1¼ 887 (900-1¼)		1320-2¾ 887 (900-2¾)	1320-3 887 (900-3)
DME MINIMA				
S-6*	1040-1 653 (700-1)		1040-1⅞ 653 (700-1⅞)	
C CIRCLING**	1080-1 647 (700-1)		1080-1⅞ 647 (700-1⅞)	1080-2 647 (700-2)
YUMA MCAS/YUMA Intl ALTIMETER SETTING				
S-6*	1400-1¼ 1013 (1000-1¼)	1400-1½ 1013 (1000-1½)	1400-3 1013 (1000-3)	
C CIRCLING**	1400-1¼ 967 (1000-1¼)	1400-1½ 967 (1000-1½)	1400-3 967 (1000-3)	
YUMA MCAS/YUMA Intl ALTIMETER SETTING DME MINIMA				
S-6*	1120-1 733 (700-1)		1120-2 733 (700-2)	
C CIRCLING**	1160-1 727 (800-1)		1160-2 727 (800-2)	1160-2¼ 727 (800-2¼)

FAF to MAP 11.6 NM					
Knots	60	90	120	150	180
Min:Sec	11:36	7:44	5:48	4:38	3:52

32°52′N-114°24′W LAGUNA AAF (YUMA PROVING GROUND) (KLGF)

VOR RWY 6

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAKE HAVASU CITY, ARIZONA | AL-9099 (FAA) | 25163

RNAV (GPS) RWY 14

LAKE HAVASU CITY (HII)

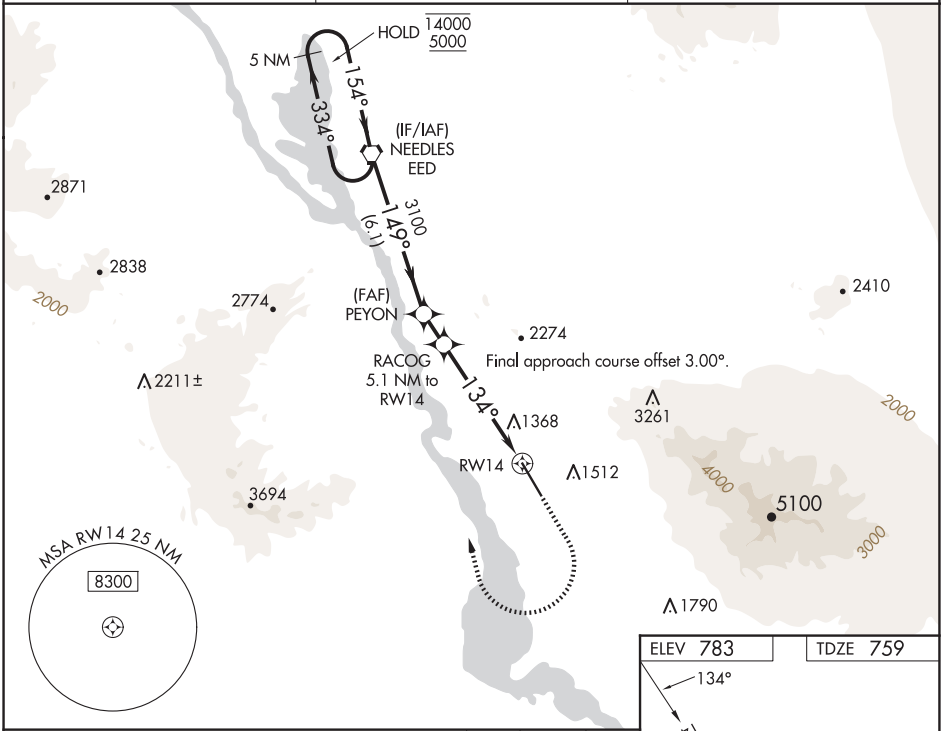
WAAS CH 53330 W14A	APP CRS 134°	Rwy Ldg 8000 / TDZE 759 / Apt Elev 783

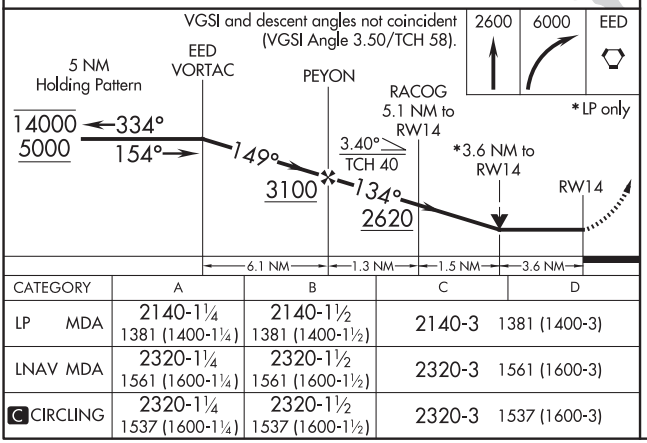
RNP APCH.

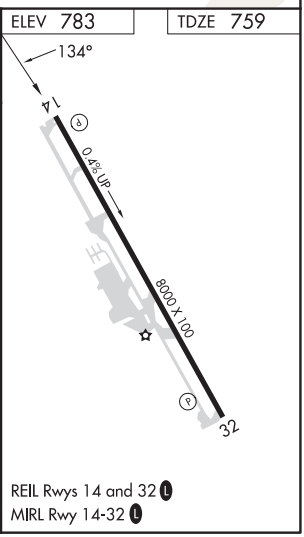
Circling NA northeast of Rwy 14-32.
Rwy 14 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: (Do not exceed 240K until EED VORTAC) Climb to 2600 then climbing right turn to 6000 direct EED VORTAC and hold, continue climb-in-hold to 6000.

AWOS-3	LOS ANGELES CENTER	UNICOM
119.025	134.65 360.65	122.7 (CTAF) L







CATEGORY	A	B	C	D
LP MDA	2140-1¼ 1381 (1400-1¼)	2140-1½ 1381 (1400-1½)	2140-3	1381 (1400-3)
LNAV MDA	2320-1¼ 1561 (1600-1¼)	2320-1½ 1561 (1600-1½)	2320-3	1561 (1600-3)
C CIRCLING	2320-1¼ 1537 (1600-1¼)	2320-1½ 1537 (1600-1½)	2320-3	1537 (1600-3)

REIL Rwys 14 and 32 L
MIRL Rwy 14-32 L

LAKE HAVASU CITY, ARIZONA
Orig-C 22APR21

34°34'N-114°21'W

LAKE HAVASU CITY (HII)

RNAV (GPS) RWY 14

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 32

LAKE HAVASU CITY (HII)

WAAS	APP CRS	Rwy Ldg	8000
CH 49110	317°	TDZE	783
W32A		Apt Elev	783

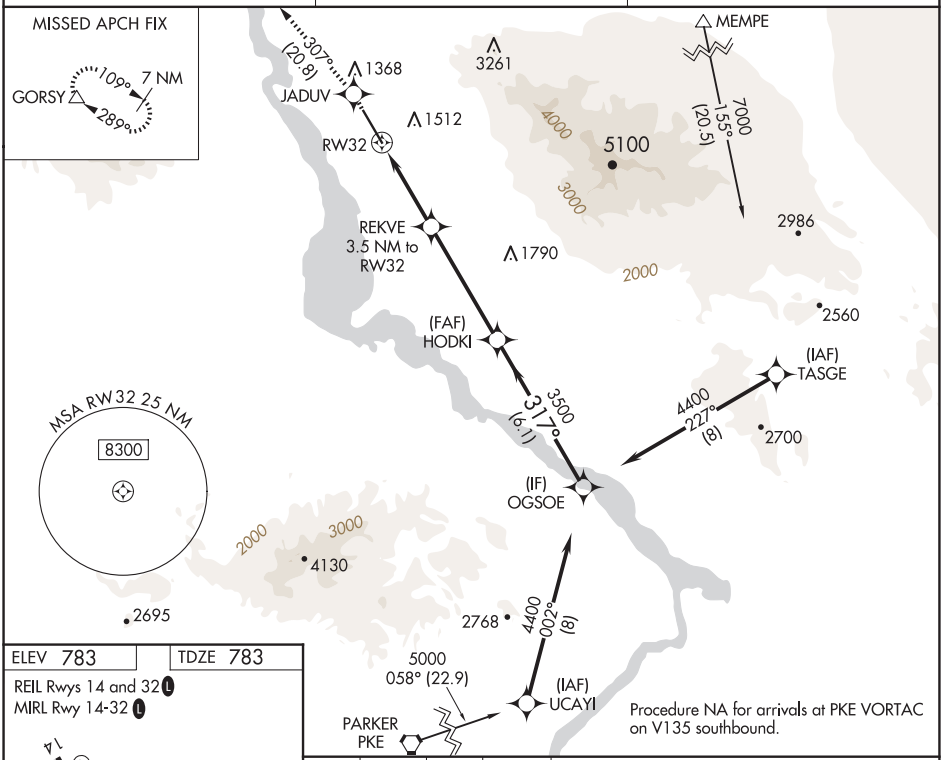
RNP APCH.

Circling NA northeast of Rwy 14-32.
Rwy 32 helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 6300 direct JADUV and track 307° to GORSY and hold, continue climb-in-hold to 6300.

AWOS-3	LOS ANGELES CENTER	UNICOM
119.025	134.65 360.65	122.7 (CTAF) L

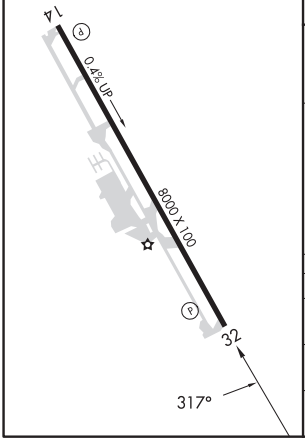
MISSED APCH FIX



Procedure NA for arrivals at PKE VORTAC on V135 southbound.

ELEV 783	TDZE 783

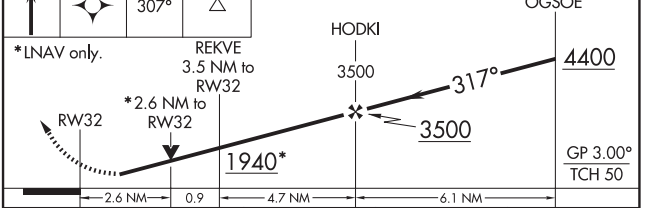
REIL Rwys 14 and 32 L
MIRL Rwy 14-32 L



6300	JADUV	tr 307°	GORSY

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 36).

*LNAV only.



CATEGORY	A	B	C	D
LPV DA	1265-1⅜ 482 (500-1⅜)			
LNAV MDA	1660-1 877 (900-1)	1660-1¼ 877 (900-1¼)	1660-2½ 877 (900-2½)	
C CIRCLING	1660-1¼ 877 (900-1¼)		1800-3 1017 (1100-3)	2180-3 1397 (1400-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAKE HAVASU CITY, ARIZONA | AL-9099 (FAA) | 25163

VORTAC EED	APP CRS	Rwy Ldg	N/A
115.2	139°	TDZE	N/A
Chan 99		Apt Elev	783

VOR-A

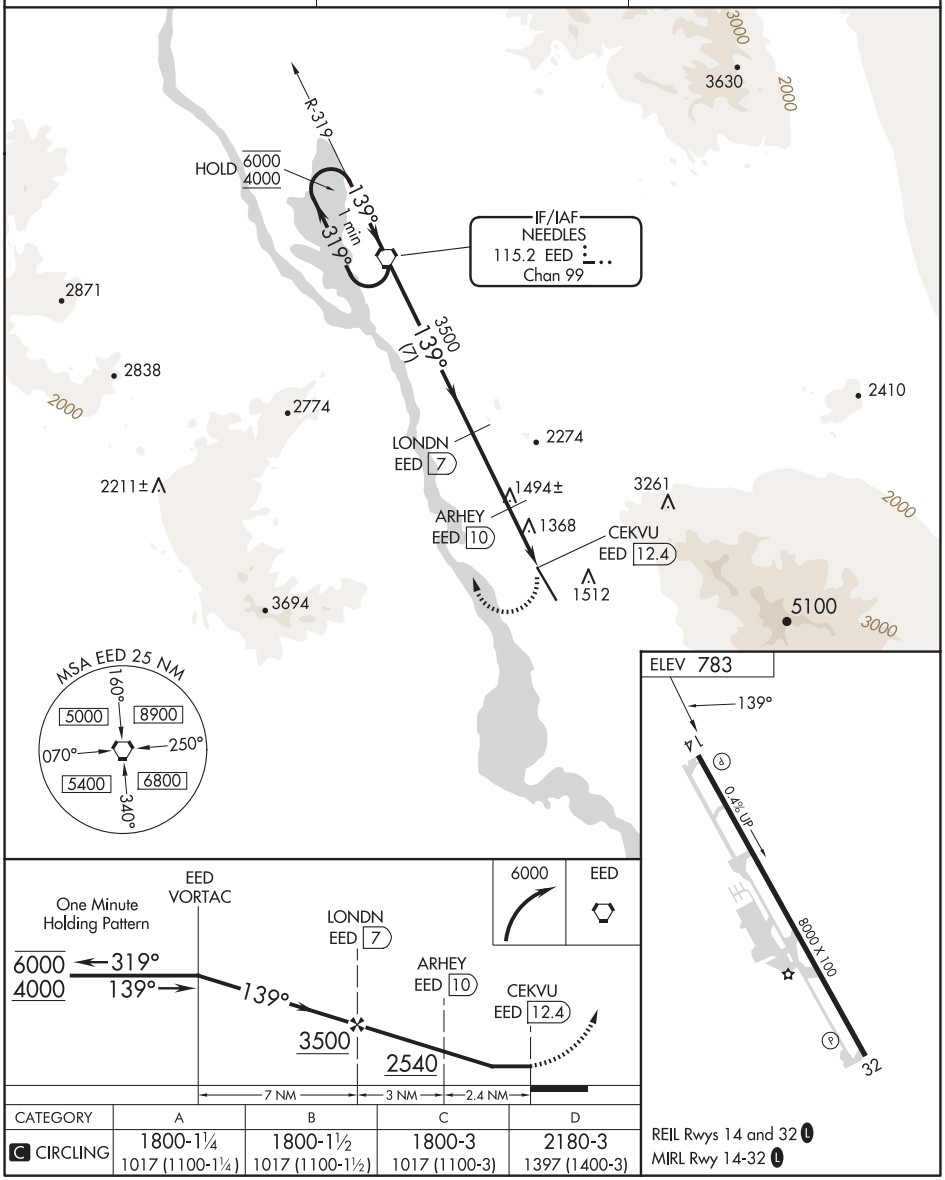
LAKE HAVASU CITY (HII)

DME required.

Circling NA northeast of Rwy 14-32.

MISSED APPROACH: Climbing right turn to 6000 direct EED VORTAC and hold, continue climb-in-hold to 6000.

AWOS-3	LOS ANGELES CENTER	UNICOM
119.025	134.65 360.65	122.7 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	1800-1¼ 1017 (1100-1¼)	1800-1½ 1017 (1100-1½)	1800-3 1017 (1100-3)	2180-3 1397 (1400-3)

REIL Rwys 14 and 32 L
MIRL Rwy 14-32 L

LAKE HAVASU CITY, ARIZONA
Amdt 1A 22APR21

34°34'N-114°21'W

LAKE HAVASU CITY (HII)
VOR-A

SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 1L

HARRY REID INTL (LAS)

LOC/DME I-CUA	APP CRS	Rwy Ldg	8402
110.1	014°	TDZE	2176
Chan 38		Apt Elev	2181

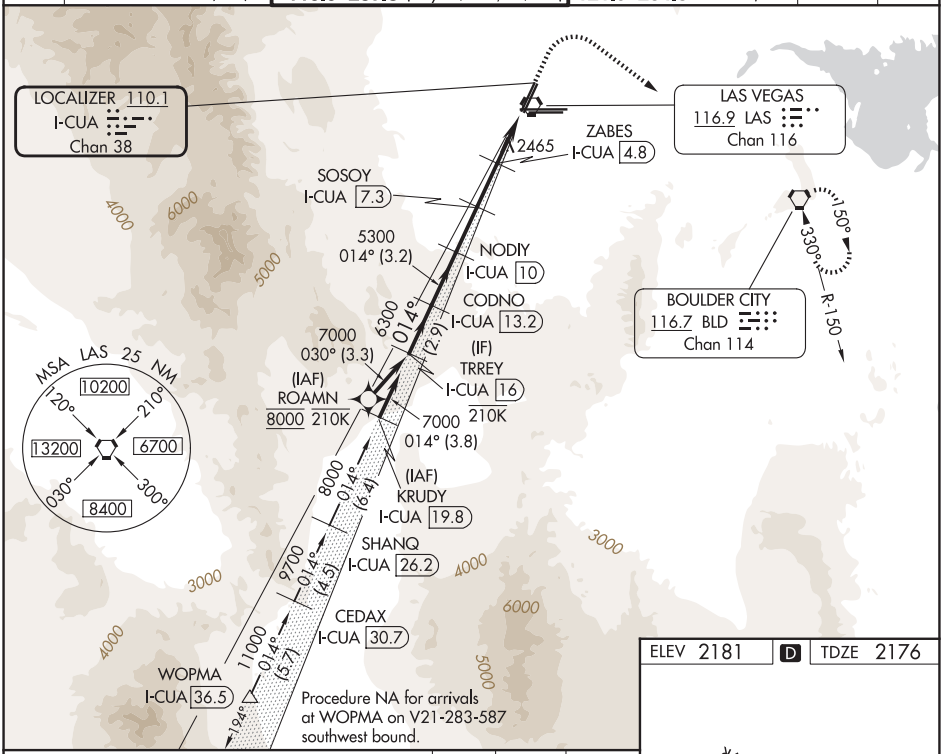
DME required. RNP APCH-GPS. From ROAMN.

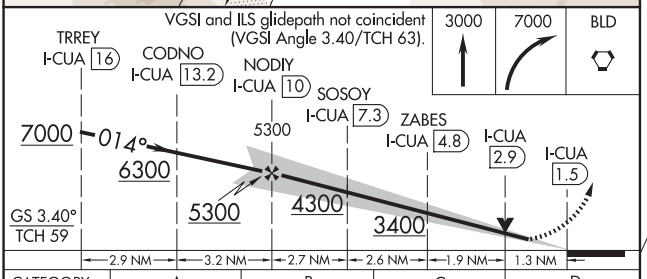
Rwy 1L helicopter visibility reduction below ¾ SM NA.
For inop ALS, increase S-ILS 1L all Cats visibility to ⅞ SM.

MALSF

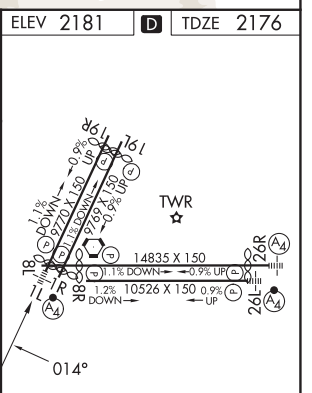
MISSED APPROACH: Climb to 3000 then climbing right turn to 7000 direct BLD VORTAC and hold, continue climb-in-hold to 7000.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West)	118.75 257.8 (Rwy 1L/19R, 1R/19L)	121.1 270.8 E of 1R/19L	118.0	
	119.775 282.2 (East)	119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.9 254.3 W of 1L/19R		





CATEGORY	A	B	C	D
S-ILS 1L	2460-¾ 284 (300-¾)			
S-LOC 1L	2720-¾ 544 (600-¾)		2720-1⅜ 544 (600-1⅜)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)



MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA AL-662 (FAA)

25219

ILS Y or LOC Y RWY 26L

HARRY REID INTL (LAS)

LOC/DME I-RLE	APP CRS		26L	26R
111.5	259°	Rwy Ldg	10526	12638
Chan 52		TDZE	2069	2067
		Apt Elev	2181	2181

RNP APCH - GPS.

DME required.

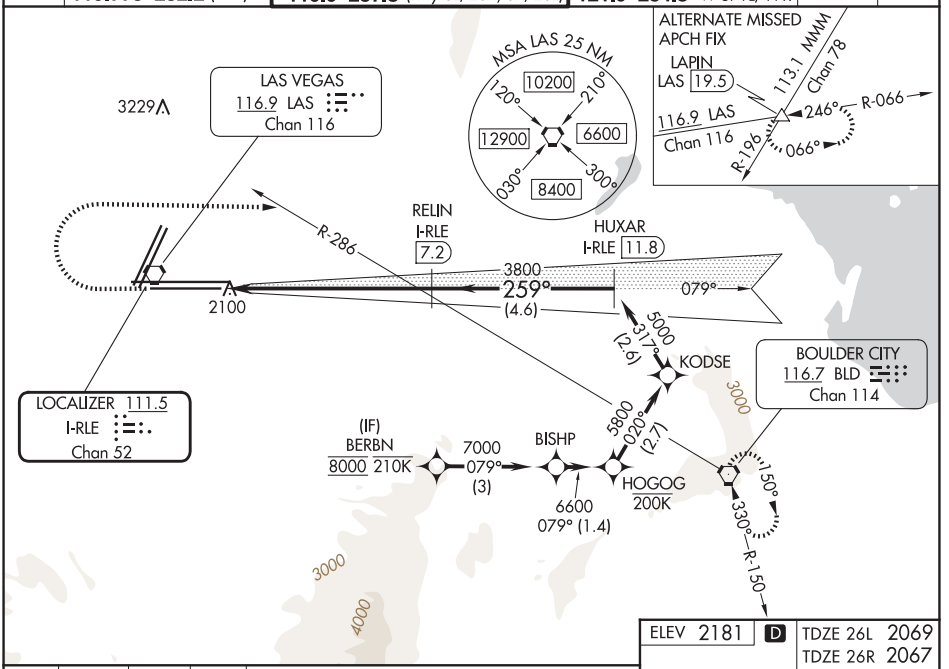
Inop table does not apply to S-ILS 26L or Sidestep 26R. For inop ALS increase S-LOC 26L Cats C and D visibility to 1⅜ SM.

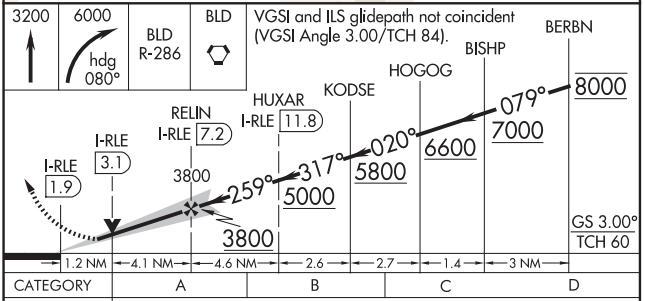
MALSF Rwy 26L

MALS Rwy 26R

MISSED APPROACH: Climb to 3200 then climbing right turn to 6000 heading 080° and on BLD R-286 to BLD VORTAC and hold, continue climb-in-hold to 6000.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	

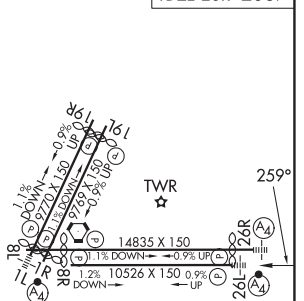




ELEV 2181 D

TDZE 26L 2069

TDZE 26R 2067



CATEGORY	A	B	C	D
S-ILS 26L	2269-¾ 200 (100-¾)			
S-LOC 26L	2520-¾ 451 (400-¾)		2520-1 451 (400-1)	
SIDESTEP 26R	2560-1 493 (400-1)		2560-1½ 493 (400-1½)	2560-2 493 (400-2)
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)

MIRL Rwy 1R-19L

REIL Rwys 1R, 8R, 19L and 19R

HIRL Rwys 1L-19R, 8L-26R and 8R-26L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

25219

ILS Y or LOC Y RWY 26R

HARRY REID INTL (LAS)

LOC/DME I-LAS	APP CRS		26R	26L
110.3	259°	Rwy Ldg	12638	10526
Chan 40		TDZE	2067	2069
		Apt Elev	2181	2181

RNP APCH - GPS.

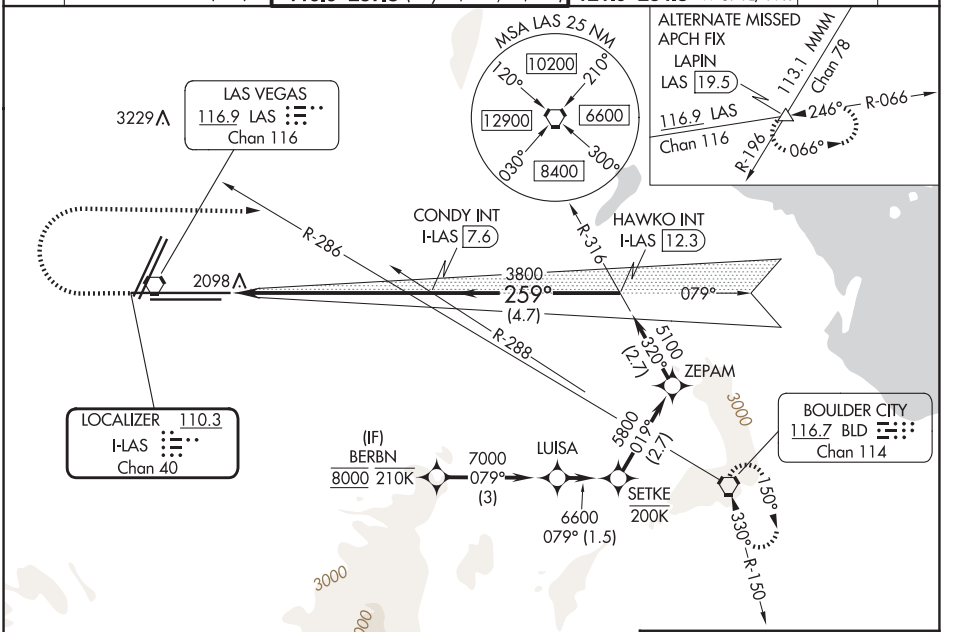
Inop table does not apply to Sidestep 26L. For inop ALS, increase S-ILS-26R all Cats visibility to 7/8 SM.

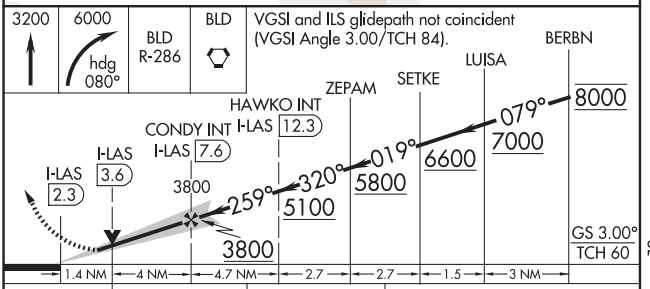
MALS Rwy 26R

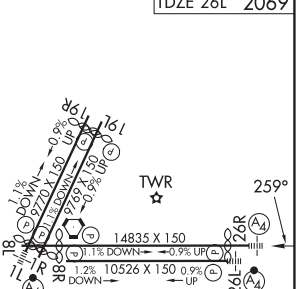
MALSF Rwy 26L

MISSED APPROACH: Climb to 3200 then climbing right turn to 6000 heading 080° and on BLD R-286 to BLD VORTAC and hold, continue climb-in-hold to 6000.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	







CATEGORY	A	B	C	D
S-ILS 26R	2334-¾ 267 (200-¾)			
S-LOC 26R	2560-¾ 493 (400-¾)		2560-1⅛ 493 (400-1⅛)	
SIDESTEP 26L	2560-1 491 (400-1)		2560-1½ 491 (400-1½)	2560-2 491 (400-2)
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)

MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA AL-662 (FAA)

25219

ILS Z or LOC Z RWY 26L

HARRY REID INTL (LAS)

LOC/DME I-RLE	APP CRS		26L	26R
111.5	259°	Rwy Ldg	10526	12638
Chan 52		TDZE	2069	2067
		Apt Elev	2181	2181

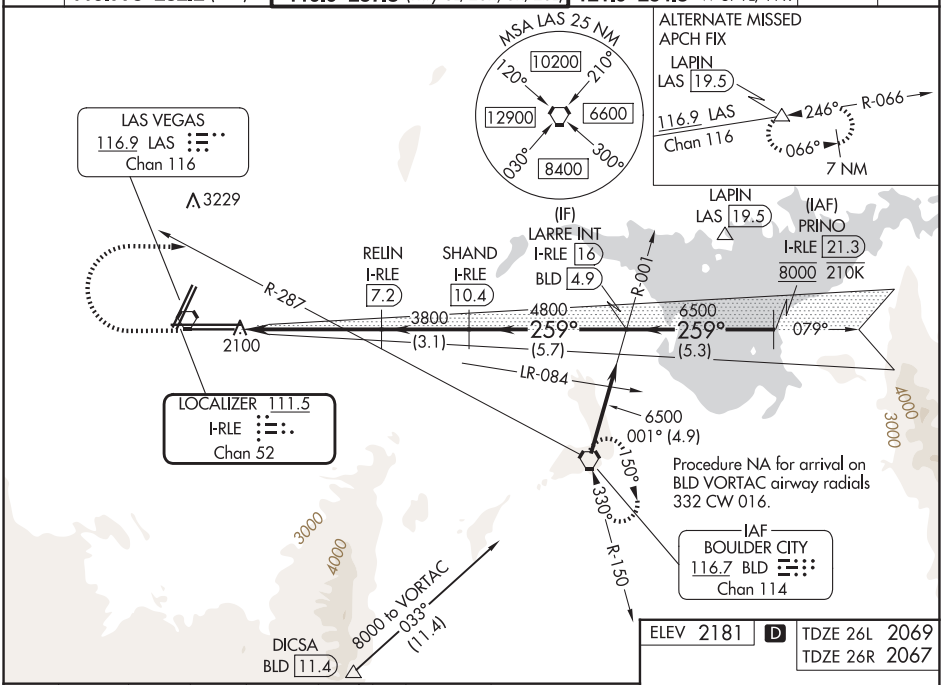
DME required.

Inop table does not apply to S-ILS 26L and Sidestep 26R. For inop ALS, increase S-LOC 26L Cat C/D/E visibility to 1⅜ SM.

MALSF Rwy 26L (A4) MALS Rwy 26R (A4)

MISSED APPROACH: Climb to 3200 then climbing right turn to 6000 heading 080° and on BLD R-287 to BLD VORTAC and hold, continue climb-in-hold to 6000.

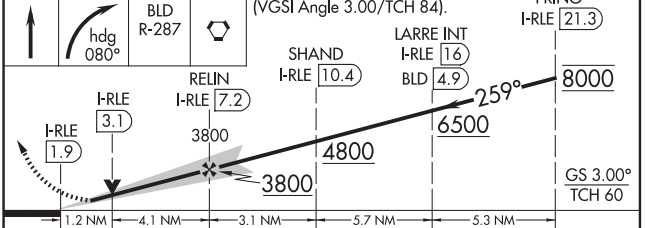
D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	

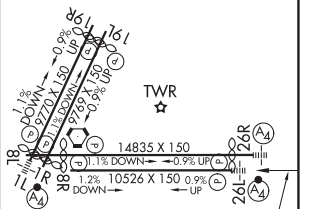


ELEV 2181 D TDZE 26L 2069 TDZE 26R 2067

3200	6000	BLD	BLD
	hdg 080°	R-287	

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 84).





CATEGORY	A	B	C	D	E
S-ILS 26L	2269-¾ 200 (100-¾)				
S-LOC 26L	2520-¾ 451 (400-¾)		2520-1 451 (400-1)		
SIDESTEP 26R	2560-1 493 (400-1)		2560-1½ 493 (400-1½)	2560-2 493 (400-2)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)	

MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25219

ILS Z or LOC Z RWY 26R

HARRY REID INTL (LAS)

LOC/DME I-LAS	APP CRS		26R	26L
110.3	259°	Rwy Ldg	12638	10526
Chan 40		TDZE	2067	2069
		Apt Elev	2181	2181

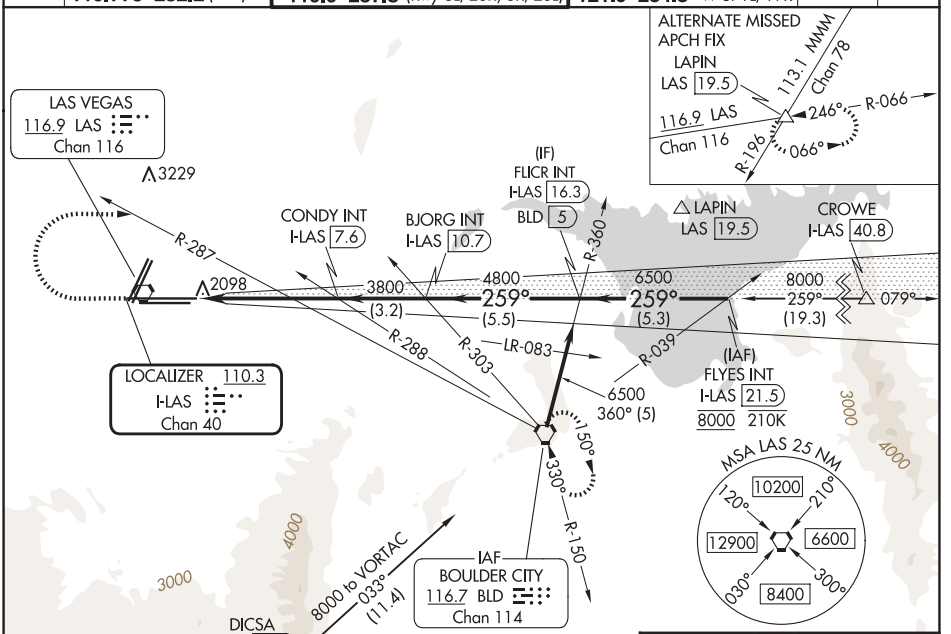
T A For inop ALS, increase S-ILS-26R all Cats visibility to 7/8 SM, S-LOC-26R Cat E visibility to 1 3/8 SM. Inop table does not apply to sidestep 26L.

MALS Rwy 26R (A4)

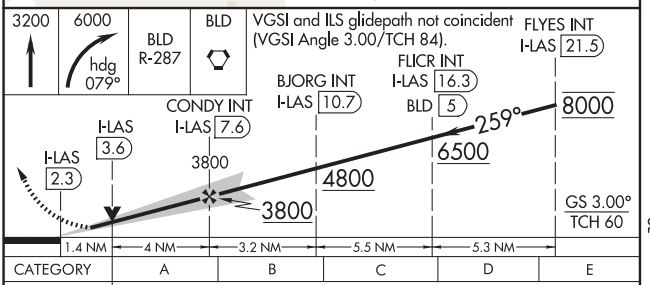
MALSF Rwy 26L (A4)

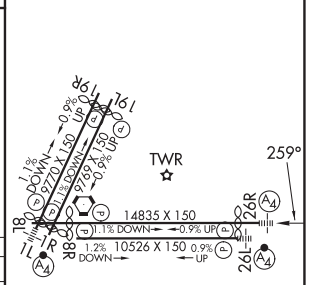
MISSED APPROACH: Climb to 3200 then climbing right turn to 6000 on heading 079° and on BLD R-287 to BLD VORTAC and hold, continue climb-in-hold to 6000.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



ELEV 2181	D	TDZE 26R 2067 TDZE 26L 2069





CATEGORY	A	B	C	D	E
S-ILS 26R	2334-¾ 267 (200-¾)				
S-LOC 26R	2560-¾ 493 (400-¾)		2560-1⅛ 493 (400-1⅛)		
SIDESTEP 26L	2560-1 491 (400-1)		2560-1½ 491 (400-1½)	2560-2 491 (400-2)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)	

MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) RWY 8R

HARRY REID INTL (LAS)

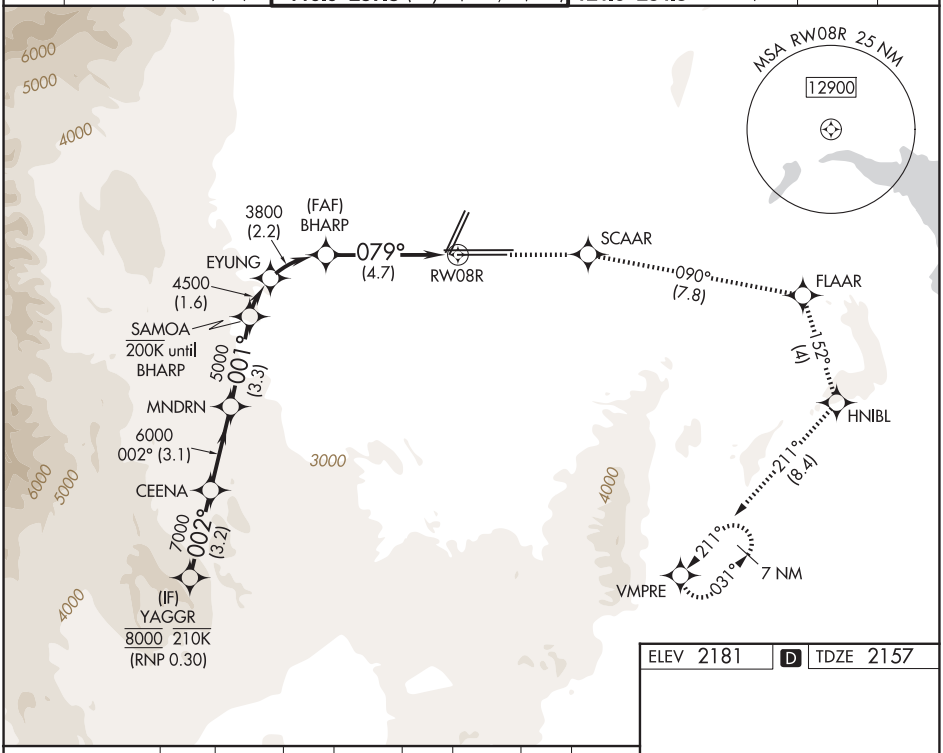
APP CRS	Rwy Ldg	10526
079°	TDZE	2157
	Apt Elev	2181

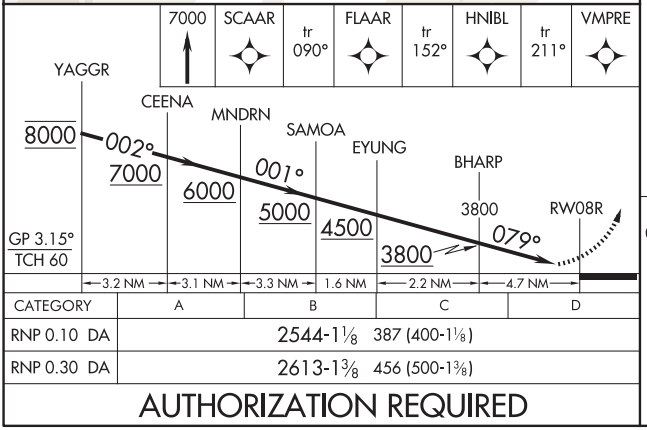
RNP AR APCH. RF required.

For uncompensated Baro-VNAV systems, procedure NA below 0°C or above 54°C.

MISSED APPROACH: Climb to 7000 on the RNAV missed approach route to VMPRE and hold, continue climb-in-hold to 7000.

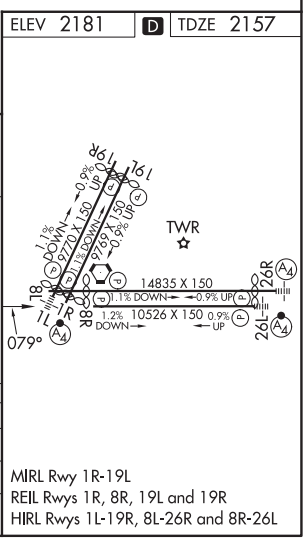
D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	





CATEGORY	A	B	C	D
RNP 0.10 DA	2544-1⅛ 387 (400-1⅛)			
RNP 0.30 DA	2613-1⅜ 456 (500-1⅜)			

AUTHORIZATION REQUIRED



MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) RWY 26L

HARRY REID INTL (LAS)

APP CRS	Rwy Ldg	10526
259°	TDZE	2069
	Apt Elev	2181

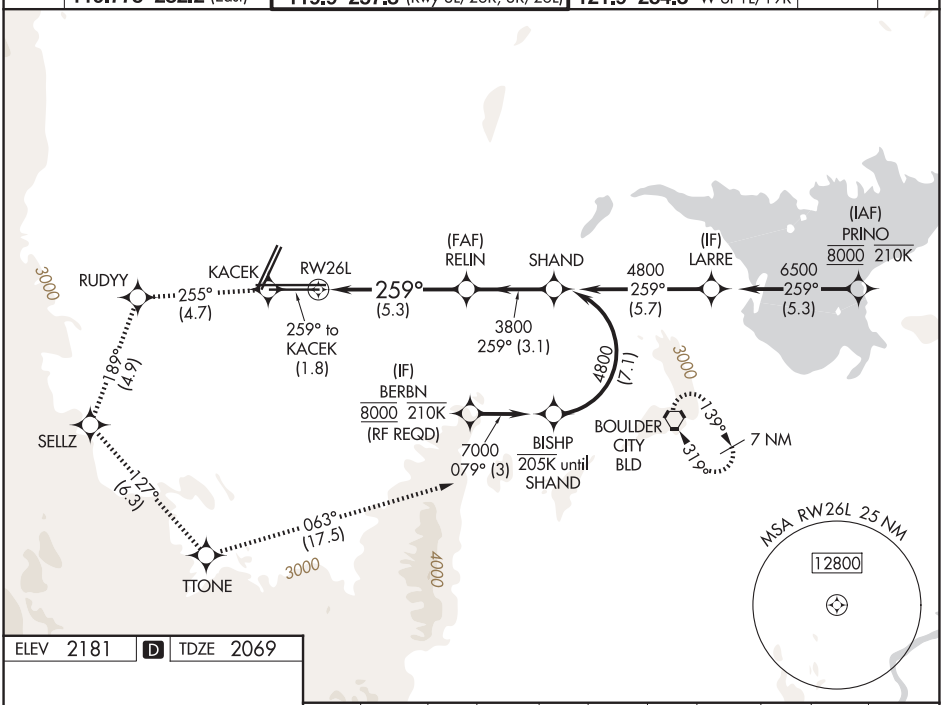
RNP AR APCH.

For uncompensated Baro-VNAV systems, procedure NA below 0°C or above 54°C.

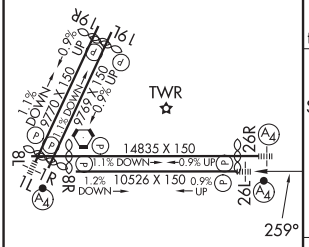
MALSF

MISSED APPROACH: Climb to 7000 on the RNAV missed approach route to BLD VORTAC and hold.
*Missed approach requires minimum climb of 255 feet per NM to 3200.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



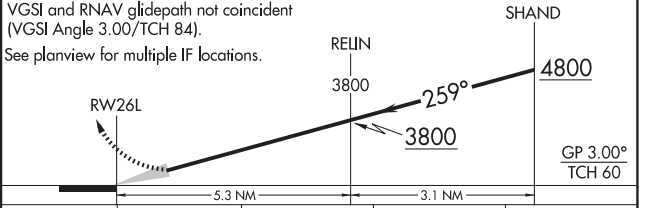
ELEV 2181 D TDZE 2069



7000 tr 259°	KACEK	tr 255°	RUDYY	tr 189°	SELLZ	tr 127°	TTONE	tr 063°	BLD

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 84).

See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.30 DA*	2450-⅞ 381 (300-⅞)			
RNP 0.30 DA	2502-1 433 (400-1)			

AUTHORIZATION REQUIRED

MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA | AL-662 (FAA) | 25219

RNAV (RNP) RWY 26R

HARRY REID INTL (LAS)

APP CRS	Rwy Ldg	12638
259°	TDZE	2067
	Apt Elev	2181

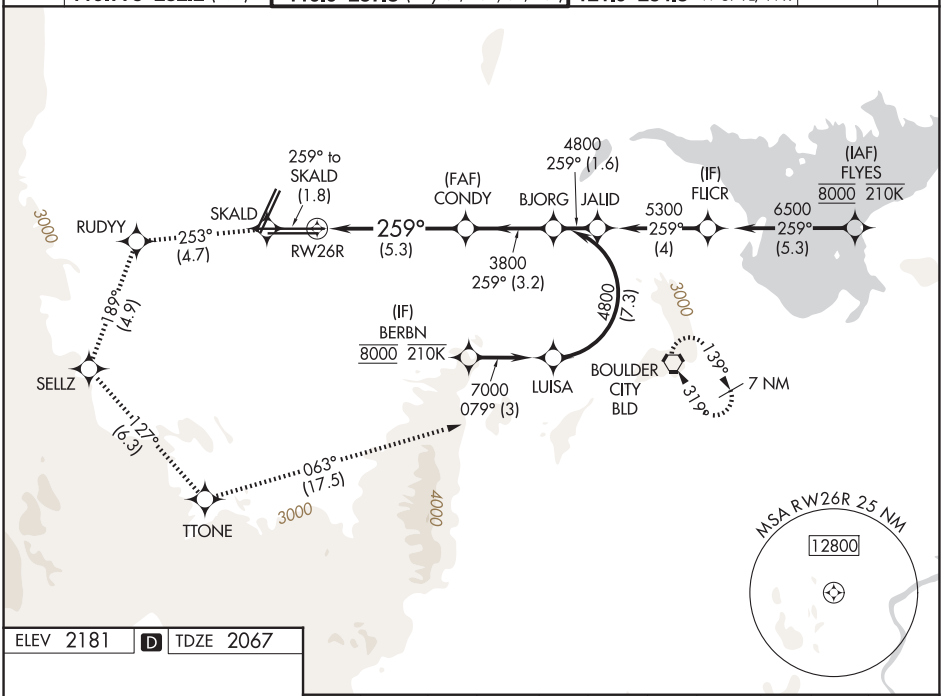
RNP AR APCH-GPS.

For uncompensated Baro-VNAV systems, procedure NA below -1°C or above 54°C.

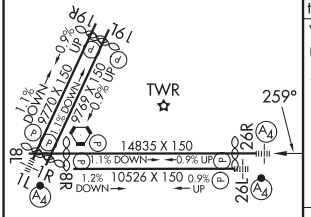
MALS

MISSED APPROACH: Climb to 7000 on the RNAV missed approach route to BLD VORTAC and hold.
*Missed approach requires minimum climb of 230 feet per NM to 3200.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



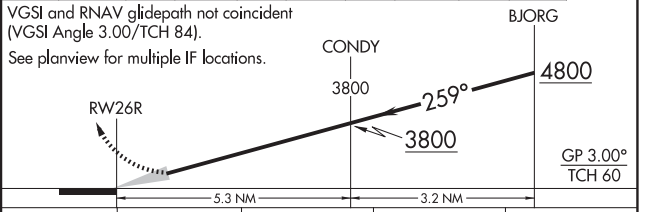
ELEV 2181	D	TDZE 2067



MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

7000 tr 259°	SKALD	tr 253°	RUDYY	tr 189°	SELLZ	tr 127°	TTONE	tr 063°	BLD

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 84).
See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.30 DA*	2457-⅞ 390 (300-⅞)			
RNP 0.30 DA	2508-1 441 (400-1)			

AUTHORIZATION REQUIRED

LAS VEGAS, NEVADA
Amdt 1 19MAY22

36°05'N-115°09'W

HARRY REID INTL (LAS)

RNAV (RNP) RWY 26R

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 19L

HARRY REID INTL (LAS)

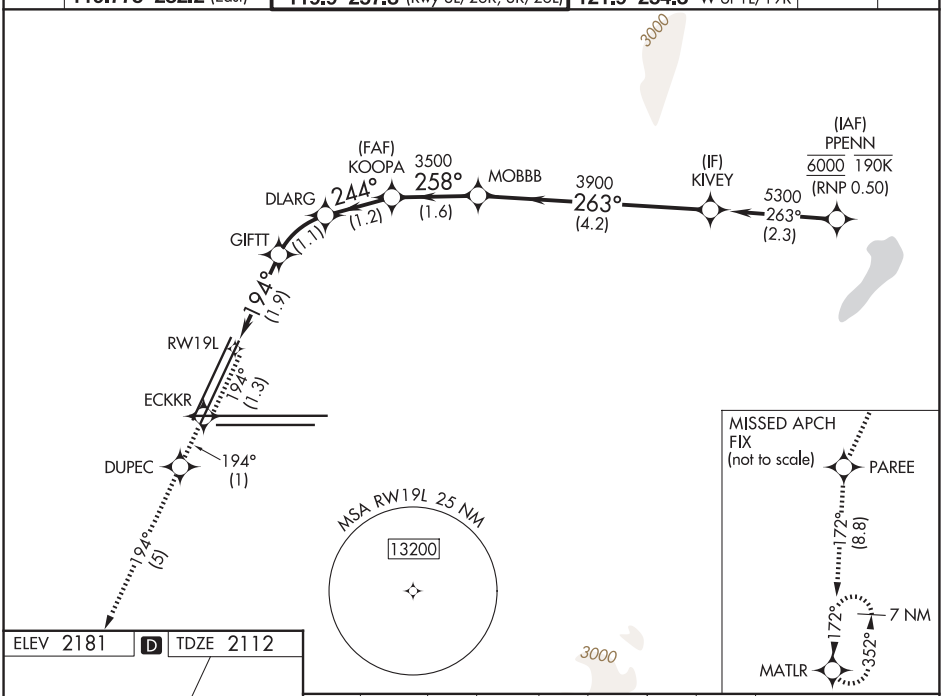
APP CRS	Rwy Ldg	8807
194°	TDZE	2112
	Apt Elev	2181

RNP AR APCH-GPS, RF, min RNP 0.50. Authorization required. Missed approach requires RNP <1.00.

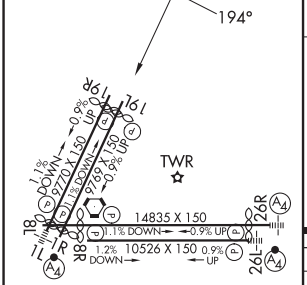
For uncompensated Baro-VNAV systems, procedure NA below 0°C or above 54°C.

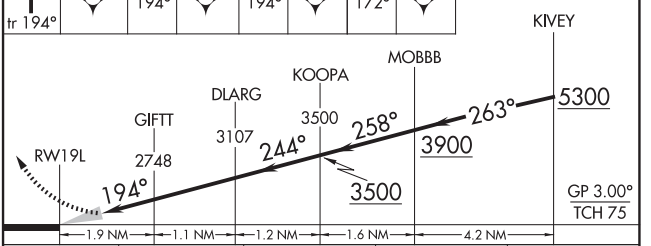
MISSED APPROACH: Climb to 7000 on the RNAV missed approach route to MATLR and hold, continue climb-in-hold to 7000.
*Missed approach requires minimum climb of 208 feet per NM to 4880.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



7000 tr 194°	ECKKR	tr 194°	DUPEC	tr 194°	PAREE	tr 172°	MATLR





CATEGORY	A	B	C	D
RNP 0.10 DA*	2471-1 359 (300-1)			
RNP 0.30 DA	2559-1⅜ 447 (400-1⅜)			

MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

AUTHORIZATION REQUIRED

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA | AL-662 (FAA) | 25219

RNAV (RNP) Z RWY 19R

HARRY REID INTL (LAS)

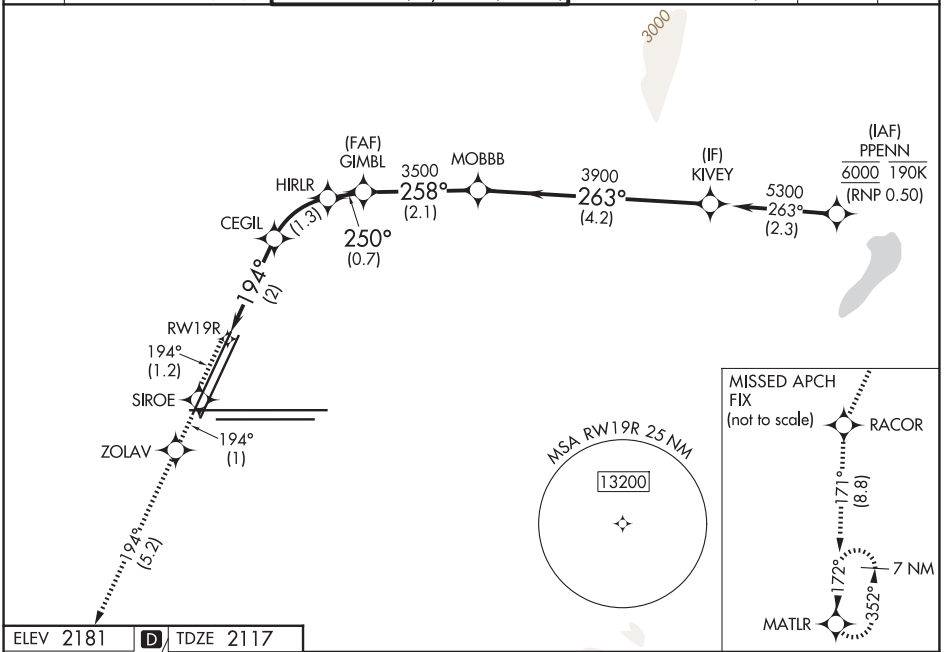
APP CRS	Rwy Ldg	8416
194°	TDZE	2117
	Apt Elev	2181

RNP AR APCH - GPS, RF, min RNP 0.50. Authorization required. Missed approach requires RNP < 1.00.

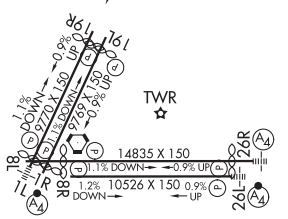
For uncompensated Baro-VNAV systems, procedure NA below 0°C or above 54°C.

MISSED APPROACH: Climb to 7000 on the RNAV missed approach route to MATLR and hold, continue climb-in-hold to 7000.
*Missed approach requires minimum climb of 273 feet per NM to 2940.
#Missed approach requires minimum climb of 235 feet per NM to 2960.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



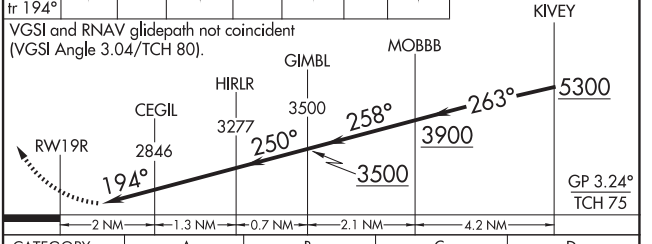
ELEV 2181 | D | TDZE 2117



MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

7000 tr 194°	SIROE	tr 194°	ZOLAV	tr 194°	RACOR	tr 171°	MATLR

VGSI and RNAV glidepath not coincident (VGSI Angle 3.04/TCH 80).



CATEGORY	A	B	C	D
RNP 0.10 DA*	2558-1⅜ 441 (400-1⅜)			
RNP 0.20 DA#	2608-1⅜ 491 (500-1⅜)			
RNP 0.30 DA	2669-1⅝ 552 (500-1⅝)			

AUTHORIZATION REQUIRED

LAS VEGAS, NEVADA
Amdt 1 31OCT24

HARRY REID INTL (LAS)
36°05′N-115°09′W
RNAV (RNP) Z RWY 19R

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 1R

HARRY REID INTL (LAS)

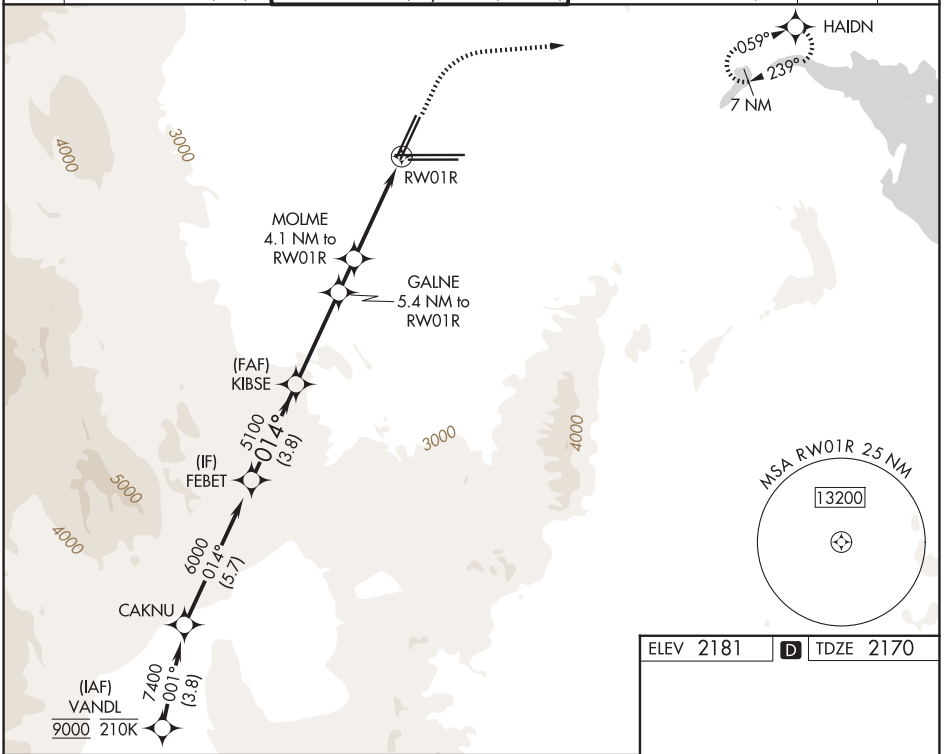
WAAS CH 42800 W01A	APP CRS 014°	Rwy Ldg 8784 TDZE 2170 Apt Elev 2181

RNP APCH - GPS. RADAR required.

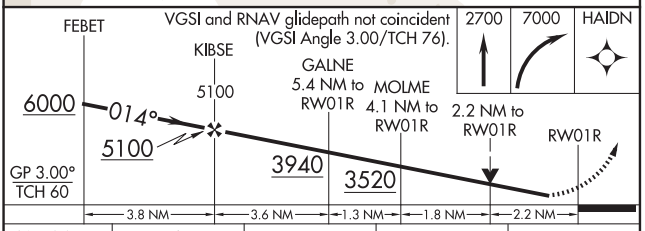
Rwy 1R helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 0°C or above 54°C.

MISSED APPROACH: Climb to 2700 then climbing right turn to 7000 direct HAIDN and hold, continue climb-in-hold to 7000.

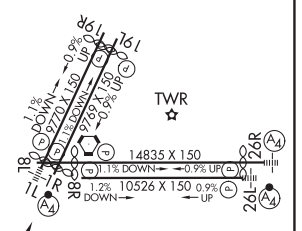
D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



ELEV 2181 D TDZE 2170



CATEGORY	A	B	C	D
LPV DA	2458-⅞ 288 (300-⅞)			
LNAV/VNAV DA	2641-1⅜ 471 (500-1⅜)			
LNAV MDA	2960-1 790 (800-1)	2960-1¼ 790 (800-1¼)	2960-2½ 790 (800-2½)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)



MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA | AL-662 (FAA) | 25219

RNAV (GPS) Y RWY 19L

HARRY REID INTL (LAS)

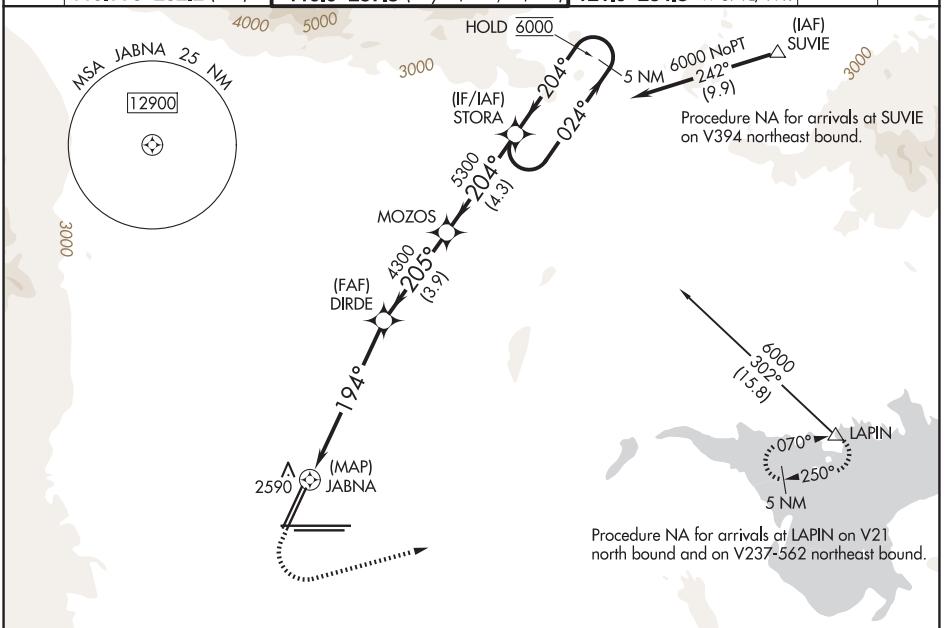
WAAS	APP CRS	Rwy Ldg	8807
CH 45542	194°	TDZE	2112
W19A		Apt Elev	2181

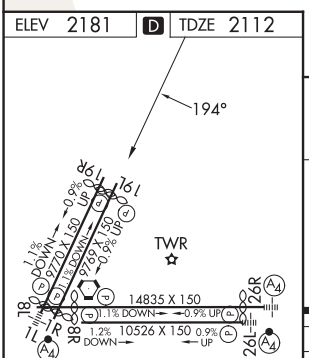
RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 0°C or above 54°C.

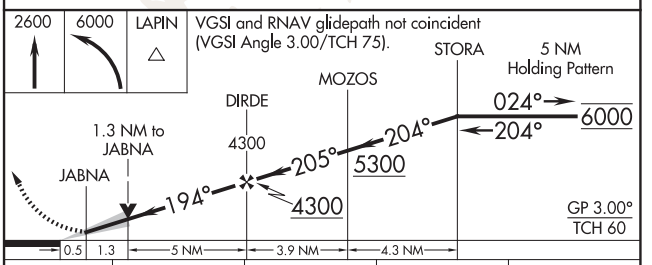
MISSED APPROACH: Climb to 2600 then climbing left turn to 6000 direct LAPIN and hold.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	





MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L



CATEGORY	A	B	C	D
LPV DA	2312-1 200 (200-1)			
LNAV/VNAV DA	2677-1⅝ 565 (500-1⅝)			
LNAV MDA	2740-1 628 (600-1)		2740-1¾ 628 (600-1¾)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)

LAS VEGAS, NEVADA
Amdt 3A 20FEB25

36°05′N-115°09′W

HARRY REID INTL (LAS)

RNAV (GPS) Y RWY 19L

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	8416
CH 50142	194°	TDZE	2117
W19B		Apt Elev	2181

RNAV (GPS) Y RWY 19R

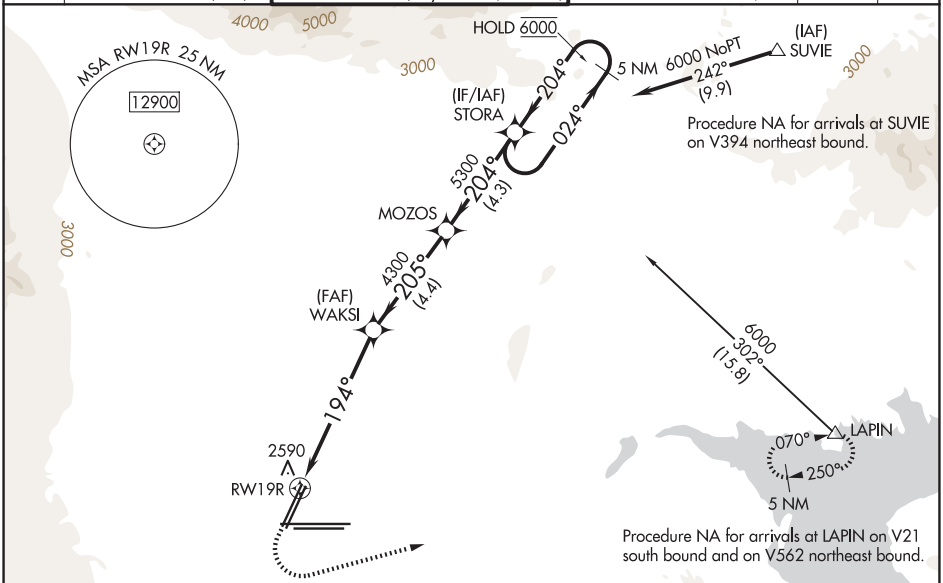
HARRY REID INTL (LAS)

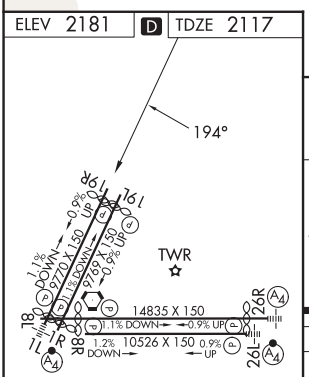
RNP APCH-GPS.

Rwy 19R helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 0°C or above 54°C.

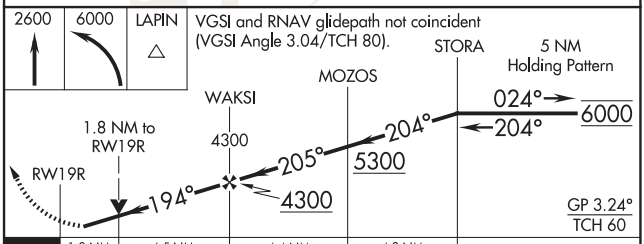
MISSED APPROACH: Climb to 2600 then climbing left turn to 6000 direct LAPIN and hold.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	





MIRL Rwy 1R-19L
REIL Rwys 1R, 8R, 19L and 19R
HIRL Rwys 1L-19R, 8L-26R and 8R-26L



CATEGORY	A	B	C	D
LPV DA	2367-1 250 (200-1)			
LNAV/VNAV DA	2743-1¾ 626 (600-1¾)			
LNAV MDA	2840-1 723 (700-1)		2840-2 723 (700-2)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

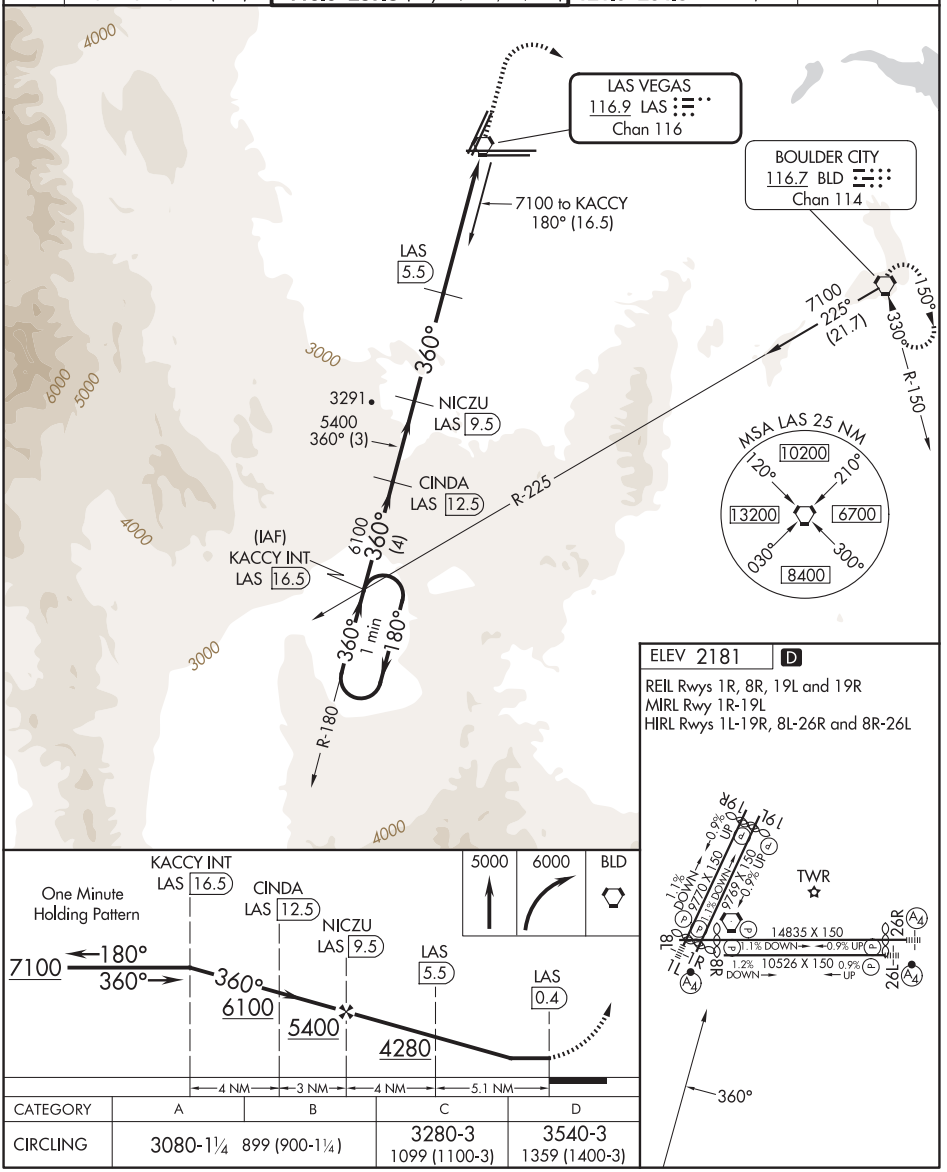
VORTAC LAS 116.9 Chan 116	APP CRS 360°	Rwy Ldg N/A TDZE N/A Apt Elev 2181

VOR/DME-A

HARRY REID INTL (LAS)

MISSED APPROACH: Climb to 5000 then climbing right turn to 6000 direct BLD VORTAC and hold.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	



CATEGORY	A	B	C	D
CIRCLING	3080-1¼ 899 (900-1¼)		3280-3 1099 (1100-3)	3540-3 1359 (1400-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC LAS	APP CRS		26L	26R
116.9	262°	Rwy Ldg	10526	12638
Chan 116		TDZE	2069	2067
		Apt Elev	2181	2181

VOR RWY 26L/R

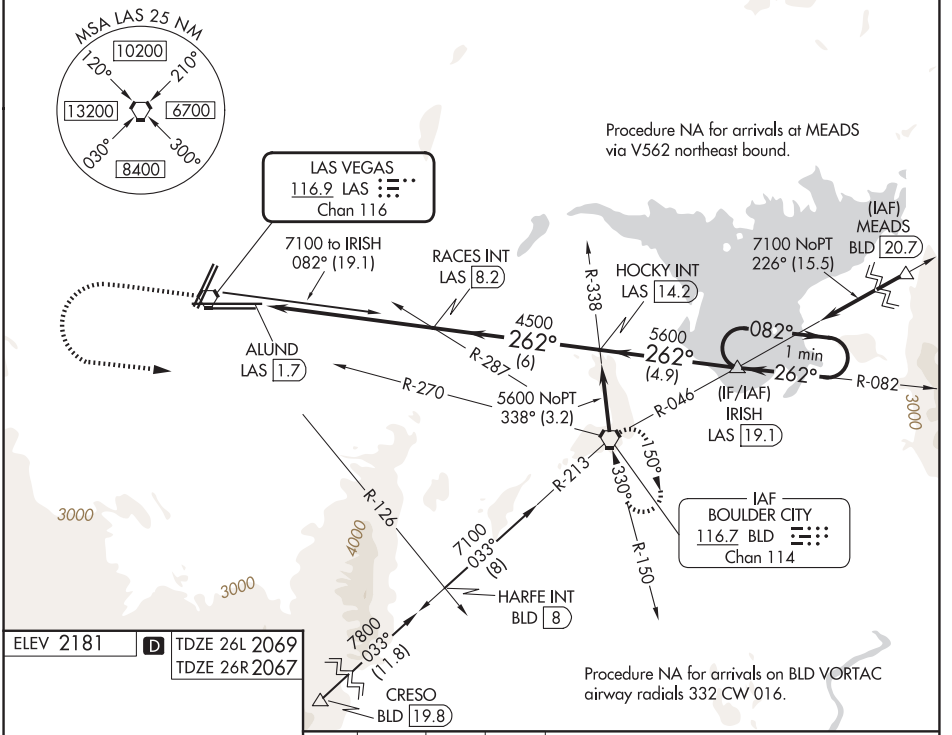
HARRY REID INTL (LAS)

T A — For inop ALS, increase S-26L and S-26R Cat D visibility ¼ SM.

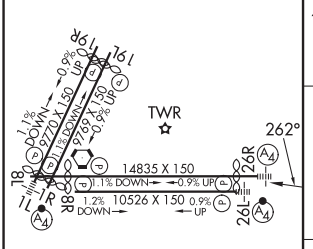
MALSF Rwy 26L (A4) | MALS Rwy 26R (A4)

MISSED APPROACH: Climb to 4000 then climbing left turn to 6000 on heading 074° and BLD R-270 to BLD VORTAC and hold.

D-ATIS	LAS VEGAS APP CON	LAS VEGAS TOWER	GND CON	CLNC DEL	CPDLC
132.4	125.025 379.15 (West) 119.775 282.2 (East)	118.75 257.8 (Rwy 1L/19R, 1R/19L) 119.9 257.8 (Rwy 8L/26R, 8R/26L)	121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R	118.0	

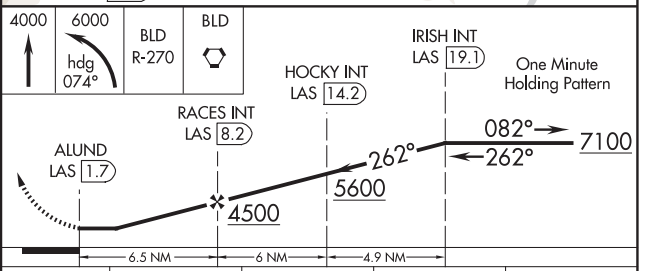


ELEV 2181 | D | TDZE 26L 2069 | TDZE 26R 2067



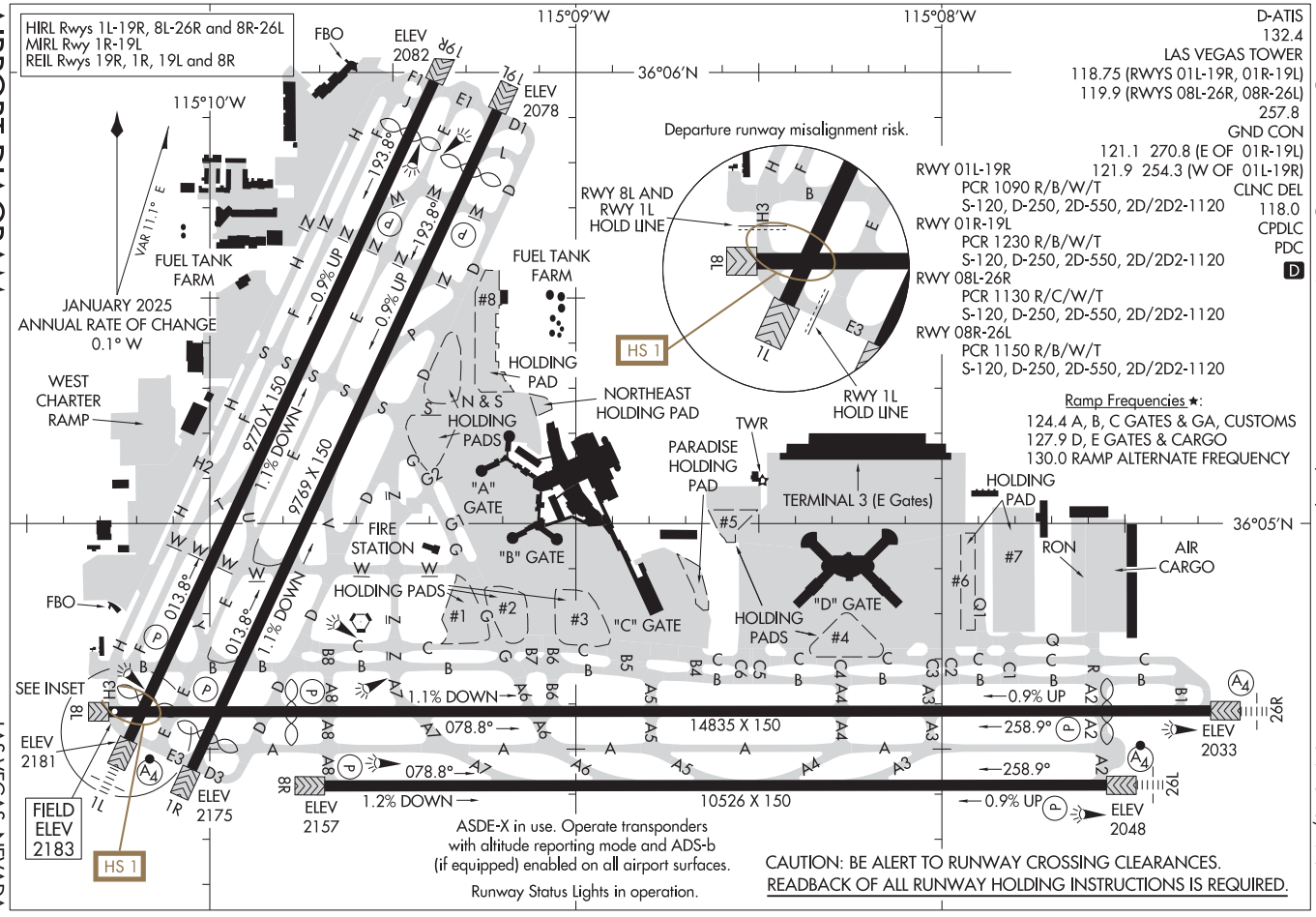
REIL Rwys 1R, 8R, 19L and 19R
MIRL Rwy 1R-19L
HIRL Rwys 1L-19R, 8L-26R and 8R-26L

FAF to MAP 6.5 NM					
Knots	60	90	120	150	180
Min:Sec	6:30	4:20	3:15	2:36	2:10



CATEGORY	A	B	C	D
S-26L	2720-¾ 651 (600-¾)		2720-1⅝ 651 (600-1⅝)	
S-26R	2720-¾ 653 (600-¾)		2720-1⅝ 653 (600-1⅝)	
CIRCLING	3020-1¼ 839 (900-1¼)	3060-1¼ 879 (900-1¼)	3100-2¾ 919 (1000-2¾)	3540-3 1359 (1400-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025



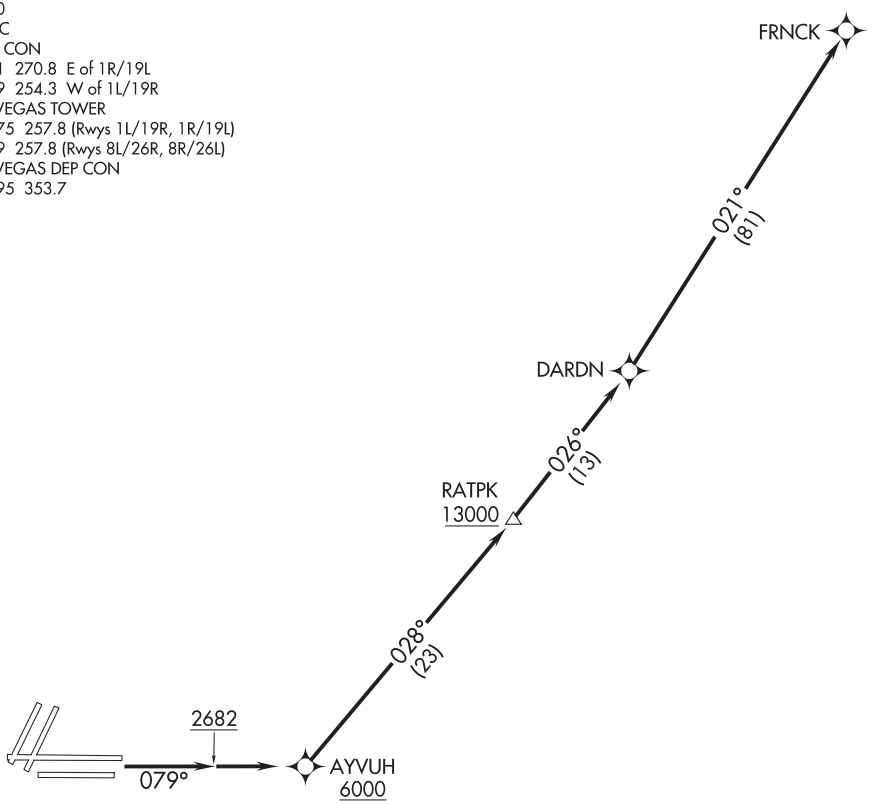
AIRPORT DIAGRAM
25219

FRNCK ONE DEPARTURE (RNAV)

AL-662 (FAA)

D-ATIS
132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)
LAS VEGAS DEP CON
133.95 353.7

TOP ALTITUDE: FL190



TAKEOFF MINIMUMS
Rwys 8L/R: Standard with minimum climb of 500′ per NM to 2682.

NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: RADAR required for non-GPS equipped aircraft.
NOTE: Turbojet only.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R: Climb on heading 079° to 2682, then direct to cross AYVUH at or above 6000, thence. . . .

. . . .thence on track 028° to cross RATPK at or above 13000, then on track 026° to DARDN, then on track 021° to FRNCK. Maintain FL190. Expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

GIDGT THREE DEPARTURE (RNAV) Departure Routes

(GIDGT3.GIDGT) 07AUG25

LAS VEGAS, NEVADA

HARRY REID INTL (LAS)

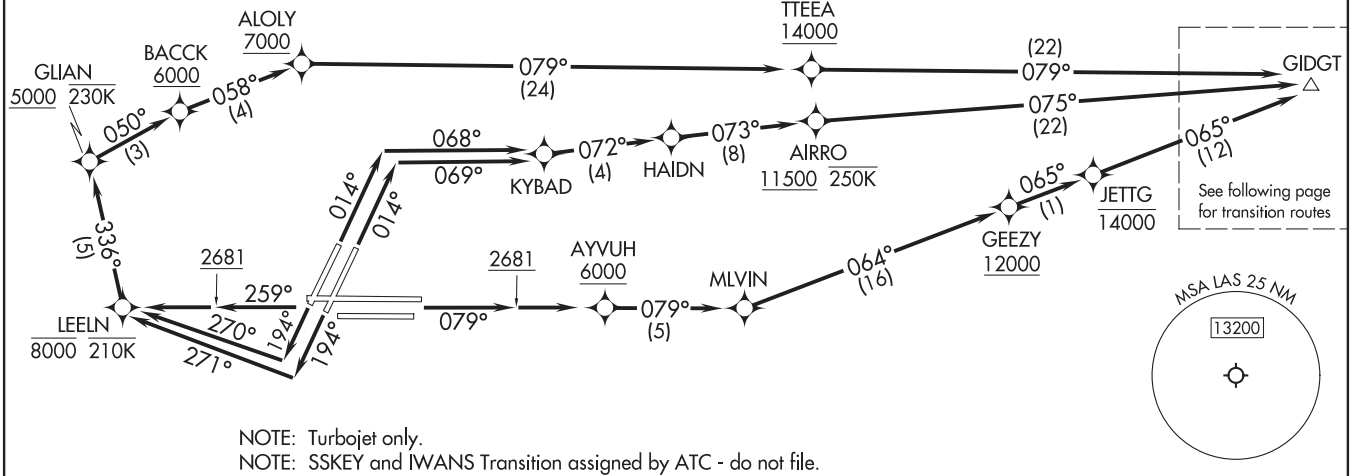
LAS VEGAS DEP CON
133.95 353.7
D-ATIS
132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)

RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS equipped aircraft.

TOP ALTITUDE: FL190

N

TAKEOFF MINIMUMS
Rwy 1L: Standard with minimum climb of 500'/NM to 2681, then 286'/NM to 4900.
Rwy 1R: Standard with minimum climb of 500'/NM to 2681, then 295'/NM to 4900.
Rwys 8L/R, 19L/R: Standard with minimum climb of 500'/NM to 2681.
Rwy 26L: Standard with minimum climb of 500'/NM to 2681, then 204'/NM to 4100.
Rwy 26R: Standard with minimum climb of 500'/NM to 2681, then 271'/NM to 4100.



NOTE: Turbojet only.
NOTE: SSKEY and IWANS Transition assigned by ATC - do not file.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

(GIDGT3.GIDGT) 25219
GIDGT THREE DEPARTURE (RNAV) Departure Routes
HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

GIDGT THREE DEPARTURE (RNAV) Transition Routes

(GIDGT3.GIDGT) 07AUG25

LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

LAS VEGAS DEP CON
133.95 353.7
D-ATIS
132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)

RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS equipped aircraft.

TOP ALTITUDE: FL190

N

VERKN

15000
*9700
019°
(35)

BETHL

TUKRR

15000
*9000
053°
(63)

15000
*10900
055°
(82)

GEEOO

15000
*9000
053°
(34)

15000
*10100
071°
(50)

NICLE

GIDGT

*16000
*10100
130°
(42)

IWANS

16000
*9400
089°
(42)

SSKEE

MSA LAS 25 NM
13200

NOTE: Turbojet only.
NOTE: SSKEY and IWANS Transition assigned by ATC - do not file.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(GIDGT3.GIDGT) 25219
GIDGT THREE DEPARTURE (RNAV) Transition Routes

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

(GIDGT3.GIDGT) 25219

GIDGT THREE DEPARTURE (RNAV)

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1L: Climb on heading 014° to intercept course 068° to KYBAD, then on track 072° to HAIDN, then on track 073° to cross AIRRO at or above 11500 and at or below 250K, then on track 075° to GIDGT, thence. . . .

TAKEOFF RUNWAY 1R: Climb on heading 014° to intercept course 069° to KYBAD, then on track 072° to HAIDN, then on track 073° to cross AIRRO at or above 11500 and at or below 250K, then on track 075° to GIDGT, thence. . . .

TAKEOFF RUNWAYS 8L/R: Climb on heading 079° to 2681, then direct to cross AYVUH at or above 6000, then on track 079° to MLVIN, then on track 064° to cross GEEZY at or above 12000, then on track 065° to cross JETTG at or below 14000, then on track 065° to GIDGT, thence. . . .

TAKEOFF RUNWAY 19L: Climb on heading 194° to intercept course 271° to cross LEELN at or below 8000 and at or below 210K, then on track 336° to cross GLIAN at or above 5000 and at or below 230K, then on track 050° to cross BACCK at or above 6000, then on track 058° to cross ALOLY at or above 7000, then on track 079° to cross TTEEA at or above 14000, then on track 079° to GIDGT, thence. . . .

TAKEOFF RUNWAY 19R: Climb on heading 194° to intercept course 270° to cross LEELN at or below 8000 and at or below 210K, then on track 336° to cross GLIAN at or above 5000 and at or below 230K, then on track 050° to cross BACCK at or above 6000, then on track 058° to cross ALOLY at or above 7000, then on track 079° to cross TTEEA at or above 14000, then on track 079° to GIDGT, thence. . . .

TAKEOFF RUNWAYS 26L/R: Climb on heading 259° to 2681, then direct to cross LEELN at or below 8000 and at or below 210K, then on track 336° to cross GLIAN at or above 5000 and at or below 230K, then on track 050° to cross BACCK at or above 6000, then on track 058° to cross ALOLY at or above 7000, then on track 079° to cross TTEEA at or above 14000, then on track 079° to GIDGT, thence. . . .

. . . .on (transition). Maintain FL190. Expect filed altitude 10 minutes after departure.

IWANS TRANSITION (GIDGT3.IWANS)

SSKEE TRANSITION (GIDGT3.SSKEE)

TUKRR TRANSITION (GIDGT3.TUKRR)

VERKN TRANSITION (GIDGT3.VERKN)

LAS VEGAS DEP CON
125.9 307.25 (Rwys 19L/R, 26L/R)
133.95 353.7 (Rwys 1L/R, 8L/R)
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/R, 19L/R)
119.9 257.8 (Rwys 8L/R, 26L/R)
TOP ALTITUDE: ASSIGNED BY ATC
RADAR and DME required
N
LAS VEGAS 116.9 LAS Chan 116
MILFORD 112.1 MLF Chan 58
MORMON MESA 113.1 MMM Chan 78
DOVE CREEK 114.6 DVC Chan 93
PAGE 116.45 PGA Chan 111(Y)
PEACH SPRINGS 112.0 PGS Chan 57
KINGMAN 108.8 IGM Chan 25
DRAKE 114.1 DRK Chan 88
BOULDER CITY 116.7 BLD Chan 114
RATPK 8500
GIDGT 10000
NICLE
CHALL 10000
COWBY
SOOSN 10000
CUTRO FL180
BAVPE
V21
R-197
R-199
R-066
R-080
R-150
R-234
R-233
R-301
R-303
R-287
J72-86
95
45
30
47
81
3
2500
090°
014°
079°
194°
259°
190°
10000 016° (113)
*6700 019° (29)
FL240 *10000 066° (50)
FL240 *10900 054° (94)
FL260 *11700 053° (131)
10000 *8100 080° (17)
10000 *8000 121° (25)
10000 *9200 123° (30)
FL180 *9200 076° (57)
FL180 *10500 076° (25)
17000 *10500 100° (79)
150°
330°
NOTE: Turbojets only.
TAKEOFF MINIMUMS
Rwys 1L/R: Standard with minimum climb of 400' per NM to 7000.
Rwys 8L/R: Standard with minimum climb of 440' per NM to 7000.
Rwys 19L/R, 26L/R: Standard with minimum climb of 410' per NM to 7000.
NOTE: Chart not to scale.
(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to 2500, then climbing right turn heading 060°, thence. . . .

TAKEOFF RUNWAYS 8L/R: Climb on heading 079°, thence. . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194°, thence. . . .

TAKEOFF RUNWAYS 26L/R: Climb on heading 259° until LAS VORTAC 3 DME, then climbing left turn heading 190°, thence. . . .

. . . .RADAR vectors to transition or assigned route. Maintain ATC assigned altitude, expect clearance to filed altitude two minutes after departure.

LOST COMMUNICATIONS: If no contact with ATC upon reaching 7000, proceed direct BLD VORTAC then climb in BLD VORTAC holding pattern to appropriate MEA for route of flight.

BAVPE TRANSITION (HOOVR8.BAVPE): From over CHALL on BLD R-080 and PGS R-301 to PGS VOR/DME, then on PGS R-076 to BAVPE.

DOVE CREEK TRANSITION (HOOVR8.DVC): From over GIDGT on LAS R-066 and PGA R-234 to PGA VOR/DME, then on PGA R-053 and DVC R-233 to DVC VORTAC.

DRAKE TRANSITION (HOOVR8.DRK): From over SOOSN on IGM R-303 to IGM VOR/DME, then on IGM R-100 and DRK R-281 to DRK VORTAC.

MILFORD TRANSITION (HOOVR8.MLF): From over RATPK on MMM R-199 to MMM VORTAC, then on MMM R-016 and MLF R-197 to MLF VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

JOHKR FIVE DEPARTURE (RNAV)

Departure Routes

(JOHKR5.JOHKR) 24361

JOHKR FIVE DEPARTURE (RNAV)

AL-662 (FAA)

Transition Routes

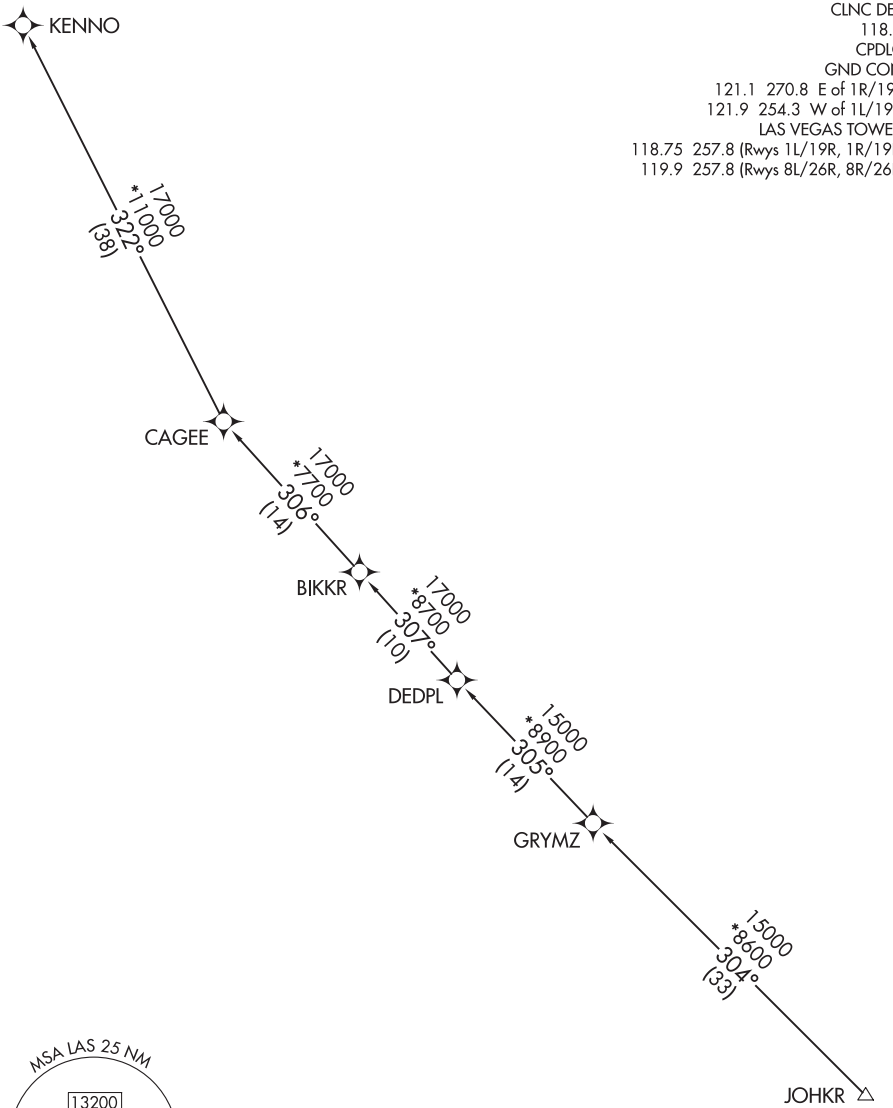
HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

RNAV 1 - DME/DME/IRU or GPS.

RADAR required for non-GPS equipped aircraft.

TOP ALTITUDE: FL190

LAS VEGAS DEP CON
125.9 307.25
D-ATIS
132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to 2682, then left turn direct BESSY at or above 5000, then on track 191° to HRRLY, then on track 190° to KWYYN, then on track 263° to cross RAWKK at or above 13000, then on track 263° to JOHKR, thence . . . .

TAKEOFF RUNWAY 8L: Climb on heading 079° to intercept course 090° to cross FLAAR at or above 6000, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to VMPRE, then on track 260° to JOHKR, thence . . . .

TAKEOFF RUNWAY 8R: Climb on heading 079° to 2682, then direct SCAAR, then on track 090° to cross FLAAR at or above 6000, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to VMPRE, then on track 260° to JOHKR, thence . . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194° to 2682, then direct DEREW at or below 7000, then on track 188° to CARNG, then on track 218° to COMIC , then on track 224° to MGNTO, then on track 260° to cross KRUGR at or below 11000 and at or below 250K, then on track 260° to JOHKR, thence . . . .

TAKEOFF RUNWAY 26L: Climb on heading 259° to 2682, then direct SILTT, then on track 253° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 197° to MGNTO, then on track 260° to cross KRUGR at or below 11000 and at or below 250K, then on track 260° to JOHKR, thence . . . .

TAKEOFF RUNWAY 26R: Climb on heading 259° to intercept course 249° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 197° to MGNTO, then on track 260° to cross KRUGR at or below 11000 and at or below 250K, then on track 260° to JOHKR, thence . . . .

. . . . on (transition). Maintain FL190. Expect filed altitude 10 minutes after departure.

KENNO TRANSITION (JOHKR5.KENNO)

LOHLA THREE DEPARTURE (RNAV)

(LOHLA3.LOHLA) 03NOV22

LAS VEGAS, NEVADA

HARRY REID INTL (LAS)

RNAV 1 - DME/DME/IRU or GPS.

RADAR required for non-GPS equipped aircraft.

TOP ALTITUDE: 14000

D-ATIS 132.4
CLNC DEL 118.0
CPDLC
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)
LAS VEGAS DEP CON
125.9 307.25 (Rwys 1L/R, 8L/R)
133.95 353.7 (Rwys 19L/R, 26L/R)

JAYSN

14000
296°
(30)

LOHLA
13400

282°
(13)

PENSK

283°

336°
(6)

014°

LEELN
8000

2682

259°

271°

194°

079°

079°
2682

SCAAR

090°

090°
(8)

FLAAR
6000

152°
(4)

HNIBL
8000 230K

211°
(5)

KNGPN

N

NOTE: Turbojet only.
NOTE: Do not file - to be assigned by ATC.
NOTE: If unable to accept climb gradients, advise ATC on intial contact.

TAKEOFF MINIMUMS

Rwy 1L: Standard with minimum climb of 514′ per NM to 10300.
Rwy 1R: Standard with minimum climb of 526′ per NM to 10300,
Rwy 8L: Standard with minimum climb of 254′ per NM to 6900.
Rwy 8R: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 242′ per NM to 6800.
Rwy 19L: Standard with minimum climb of 470′ per NM to 10300,
Rwy 19R: Standard with minimum climb of 468′ per NM to 10300,
Rwy 26L: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 480′ per NM to 10300.
Rwy 26R: Standard with minimum climb of 500′ per NM 2682, then minimum climb of 495′ per NM to 10300.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(LOHLA3.LOHLA) 22307

LOHLA THREE DEPARTURE (RNAV)

AL-662 (FAA)

HARRY REID INTL (LAS)

LAS VEGAS, NEVADA

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to intercept course 283° to PENSK, then on track 282° to cross LOHLA at or above 13400, thence. . . .

TAKEOFF RUNWAY 8L: Climb on heading 079° to intercept course 090° to cross FLAAR at or above 6000, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to KNGPN, then right turn direct LOHLA at or above 13400, thence. . . .

TAKEOFF RUNWAY 8R: Climb on heading 079° to 2682, then direct SCAAR, then on track 090° to cross FLAAR at or above 6000, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to KNGPN, then right turn direct LOHLA at or above 13400, thence. . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194° to intercept course 271° to LEELN at or below 8000, then on track 336° to PENSK, then on track 282° to cross LOHLA at or above 13400, thence. . . .

TAKEOFF RUNWAYS 26L/R: Climb on heading 259° to 2682, then direct LEELN at or below 8000, then on track 336° to PENSK, then on track 282° to cross LOHLA at or above 13400, thence. . . .

. . . . on (transition), maintain 14000. Expect filed altitude 10 minutes after departure.

JAYSN TRANSITION (LOHLA3.JAYSN)

SW-4, 07 AUG 2025 to 02 OCT 2025

(MCCRN8.LAS) 25107

MCCARRAN EIGHT DEPARTURE

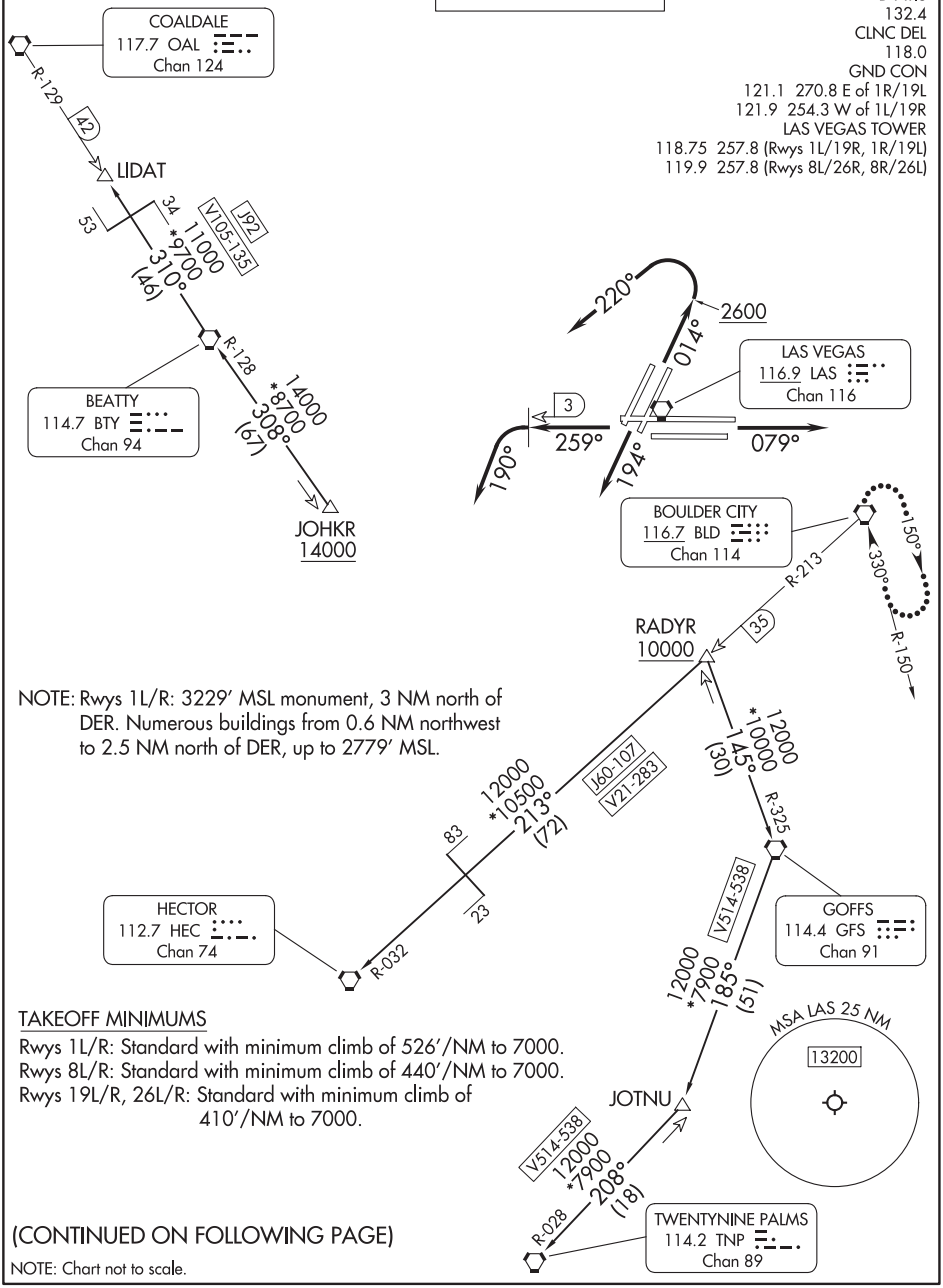
AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

RADAR and DME required.

TOP ALTITUDE: ASSIGNED BY ATC

LAS VEGAS DEP CON
125.9 307.25
D-ATIS
132.4
CLNC DEL
118.0
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)



TAKEOFF MINIMUMS

Rwys 1L/R: Standard with minimum climb of 526′/NM to 7000.
Rwys 8L/R: Standard with minimum climb of 440′/NM to 7000.
Rwys 19L/R, 26L/R: Standard with minimum climb of 410′/NM to 7000.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to 2600, then climbing left turn heading 220°, thence. . . .

TAKEOFF RUNWAYS 8L/R: Climb on heading 079°, thence. . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194°, thence. . . .

TAKEOFF RUNWAYS 26L/R: Climb on heading 259° until LAS VORTAC 3 DME, then climbing left turn heading 190°, thence. . . .

. . . .for RADAR vectors to assigned transition or assigned route. Maintain ATC assigned altitude. Expect clearance to filed altitude two minutes after departure.

LOST COMMUNICATIONS: If no contact with ATC upon reaching 7000, proceed direct BLD VORTAC then climb in BLD VORTAC holding pattern to the appropriate MEA for route of flight.

HECTOR TRANSITION (MCCRN8.HEC): From over RADYR on BLD R-213 and HEC R-032 to HEC VORTAC.

LIDAT TRANSITION (MCCRN8.LIDAT): From over JOHKR on BTY R-128 to BTY VORTAC, then on BTY R-310 and OAL R-129 to LIDAT.

TWENTY NINE PALMS TRANSITION (MCCRN8.TNP): From over RAYDR on GFS R-325 to GFS VORTAC, then on GFS R-185 and TNP R-028 to TNP VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

NIITZ FOUR DEPARTURE (RNAV) Departure Routes

(NIITZ4.NIITZ) 31OCT24

LAS VEGAS, NEVADA
HARRY REID INTL (LAS)

TOP ALTITUDE: FL190

RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS equipped aircraft.

NOTE: Do not file. TUKRR and IWANS transitions assigned by ATC.
NOTE: Turbojets only.
NOTE: If unable to accept climb rates, advise ATC on initial contact.

MSA LAS 25 NM
13200

LAS VEGAS DEP CON
125.9 307.25 (Rwys 19L/R, 26L/R)
133.95 353.7 (Rwys 1L/R, 8L/R)
D-ATIS
132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)

N

KYBAD
HAIDN
OLBLU
10000 250K
RUDYY
4000 230K
SILTT
SELLZ
8000
DEREW
7000
CARNG
TTONE
8000
VIVVS
10000
SCAAR
FLAAR
6000 230K
GOLIE
DBLII
13000
GLDYN
12000
SGFRD
17000
NIITZ
See following page for transition routes

TAKEOFF MINIMUMS
Rwys 1L/R: Standard with minimum climb of 500'/NM to 2682 then 280'/NM to 4800.
Rwys 8L/R: Standard with minimum climb of 500'/NM to 2682.
Rwys 19L/R: Standard with minimum climb of 571'/NM to 8000.
Rwys 26L/R: Standard with minimum climb of 500'/NM to 2682 then 240'/NM to 5000.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

(NIITZ4.NIITZ) 24305
NIITZ FOUR DEPARTURE (RNAV) Departure Routes
AL-662 (FAA)
HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

NIITZ FOUR DEPARTURE (RNAV) Transition Routes

SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS DEP CON
125.9 307.25 (Rwys 19L/R, 26L/R)
133.95 353.7 (Rwys 1L/R, 8L/R)
D-ATIS
132.
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)

RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS equipped aircraft.

TOP ALTITUDE: FL190

NOTE: Do not file. TUKRR and IWANS transitions assigned by ATC.
NOTE: Turbojets only.
NOTE: If unable to accept climb rates, advise ATC on initial contact.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to intercept course 072° to KYBAD, then on track 072° to HAIDN, then on track 095° to cross OLBLU at or above 10000 and at or below 250K, then on track 092° to NIITZ, thence . . . .

TAKEOFF RUNWAY 8L: Climb on heading 079° to intercept course 090° to cross FLAAR at or above 6000 and at or below 230K, then on track 090° to GOLIE, then on track 083° to cross DBLII at or below 13000, then on track 083° to cross GLDYN at or above 12000, then on track 088° to NIITZ, thence . . . .

TAKEOFF RUNWAY 8R: Climb on heading 079° to 2682, then direct SCAAR, then on track 090° to cross FLAAR at or above 6000 and at or below 230K, then on track 090° to GOLIE, then on track 083° to cross DBLII at or below 13000, then on track 083° to cross GLDYN at or above 12000, then on track 088° to NIITZ, thence . . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194° to 2682, then direct DEREW to cross at or below 7000, then on track 188° to CARNG, then on track 158° to cross TTONE at or above 8000, then on track 110° to cross VIVVS at or above 10000, then on track 075° to cross SGFRD at or above 17000, then on track 079° to NIITZ, thence . . . .

TAKEOFF RUNWAY 26L: Climb on heading 259° to 2682, then direct SILTT, then on track 253° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 127° to cross TTONE at or above 8000, then on track 110° to cross VIVVS at or above 10000, then on track 075° to cross SGFRD at or above 17000, then on track 079° to NIITZ, thence . . . .

TAKEOFF RUNWAY 26R: Climb on heading 259° to intercept course 249° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 127° to cross TTONE at or above 8000, then on track 110° to cross VIVVS at or above 10000, then on track 075° to cross SGFRD at or above 17000, then on track 079° to NIITZ, thence . . . .

. . . . on (transition), maintain FL190. Expect filed altitude 10 minutes after departure.

HOCEE TRANSITION (NIITZ4.HOCEE)

IWANS TRANSITION (NIITZ4.IWANS)

SSKEE TRANSITION (NIITZ4.SSKEE)

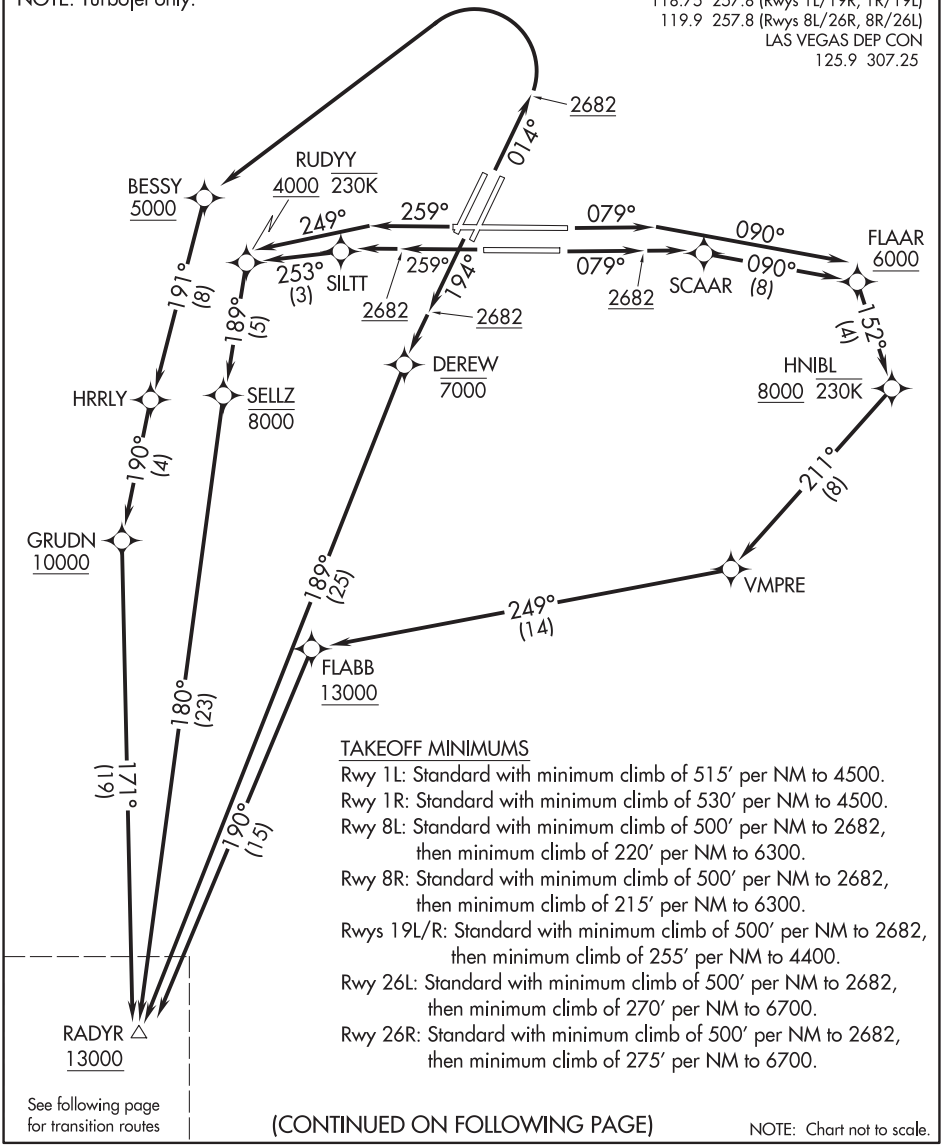
TUKRR TRANSITION (NIITZ4.TUKRR)

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: FL190

D-ATIS 132.4
CLNC DEL 118.0
CPDLC
GND CON 121.1 270.8 E of 1R/19L 121.9 254.3 W of 1L/19R
LAS VEGAS TOWER 118.75 257.8 (Rwys 1L/19R, 1R/19L) 119.9 257.8 (Rwys 8L/26R, 8R/26L)
LAS VEGAS DEP CON 125.9 307.25

NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: RADAR required for non-GPS equipped aircraft.
NOTE: Turbojet only.



See following page for transition routes

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

TAKEOFF MINIMUMS

Rwy 1L: Standard with minimum climb of 515′ per NM to 4500.
Rwy 1R: Standard with minimum climb of 530′ per NM to 4500.
Rwy 8L: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 220′ per NM to 6300.
Rwy 8R: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 215′ per NM to 6300.
Rwys 19L/R: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 255′ per NM to 4400.
Rwy 26L: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 270′ per NM to 6700.
Rwy 26R: Standard with minimum climb of 500′ per NM to 2682, then minimum climb of 275′ per NM to 6700.

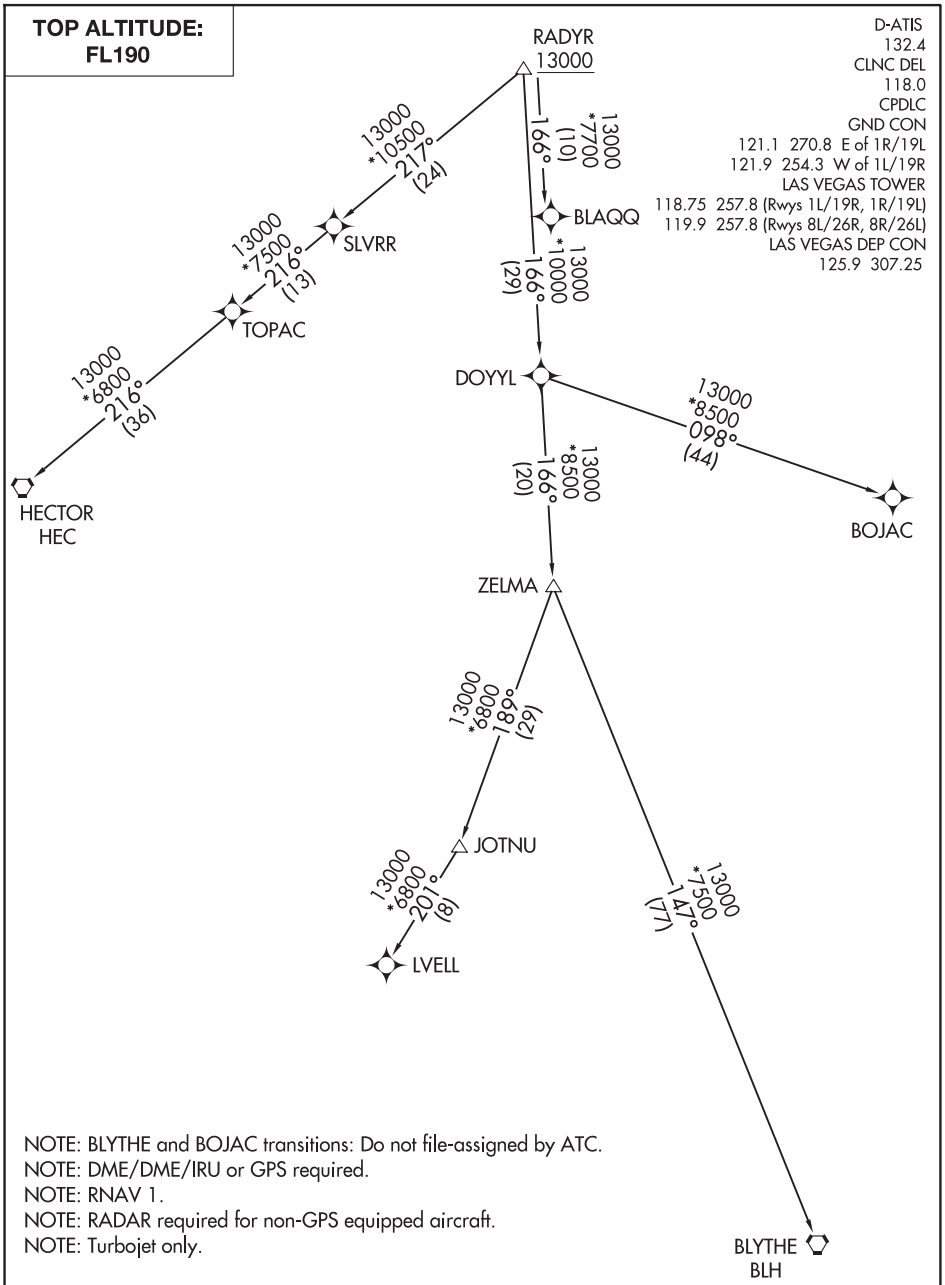
SW-4, 07 AUG 2025 to 02 OCT 2025

(RADYR2.RADYR) 24249

RADYR TWO DEPARTURE (RNAV) Transition Routes

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA



NOTE: BLYTHE and BOJAC transitions: Do not file-assigned by ATC.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: RADAR required for non-GPS equipped aircraft.
NOTE: Turbojet only.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to 2682, then left turn direct BESSY at or above 5000, then on track 191° to HRRLY, then on track 190° to cross GRUDN at or above 10000, then on track 171° to cross RADYR at or above 13000, thence. . . .

TAKEOFF RUNWAY 8L: Climb on heading 079° to intercept course 090° to cross FLAAR at or above 6000, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to VMPRE, then on track 249° to cross FLABB at or above 13000, then on track 190° to cross RADYR at or above 13000, thence. . . .

TAKEOFF RUNWAY 8R: Climb on heading 079° to 2682, then direct SCAAR, then on track 090° to cross FLAAR at or above 6000, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to VMPRE, then on track 249° to cross FLABB at or above 13000, then on track 190° to cross RADYR at or above 13000, thence. . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194° to 2682, then direct DEREW at or below 7000, then on track 189° to cross RADYR at or above 13000, thence. . . .

TAKEOFF RUNWAY 26L: Climb on heading 259° to 2682, then direct SILTT, then on track 253° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 180° to cross RADYR at or above 13000, thence. . . .

TAKEOFF RUNWAY 26R: Climb on heading 259° to intercept course 249° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 180° to cross RADYR at or above 13000, thence. . . .

. . . . on (transition). Maintain FL190. Expect filed altitude 10 minutes after departure.

BLAQQ TRANSITION (RADYR2.BLAQQ)

BLYTHE TRANSITION (RADYR2.BLH)

BOJAC TRANSITION (RADYR2.BOJAC)

HECTOR TRANSITION (RADYR2.HEC)

LVELL TRANSITION (RADYR2.LVELL)

SLVRR TRANSITION (RADYR2.SLVRR)

RASLR THREE DEPARTURE (RNAV)

(RASLR3.RASLR) 27JAN22

(RASLR3.RASLR) 24249

RASLR THREE DEPARTURE (RNAV)

AL-662 (FAA)

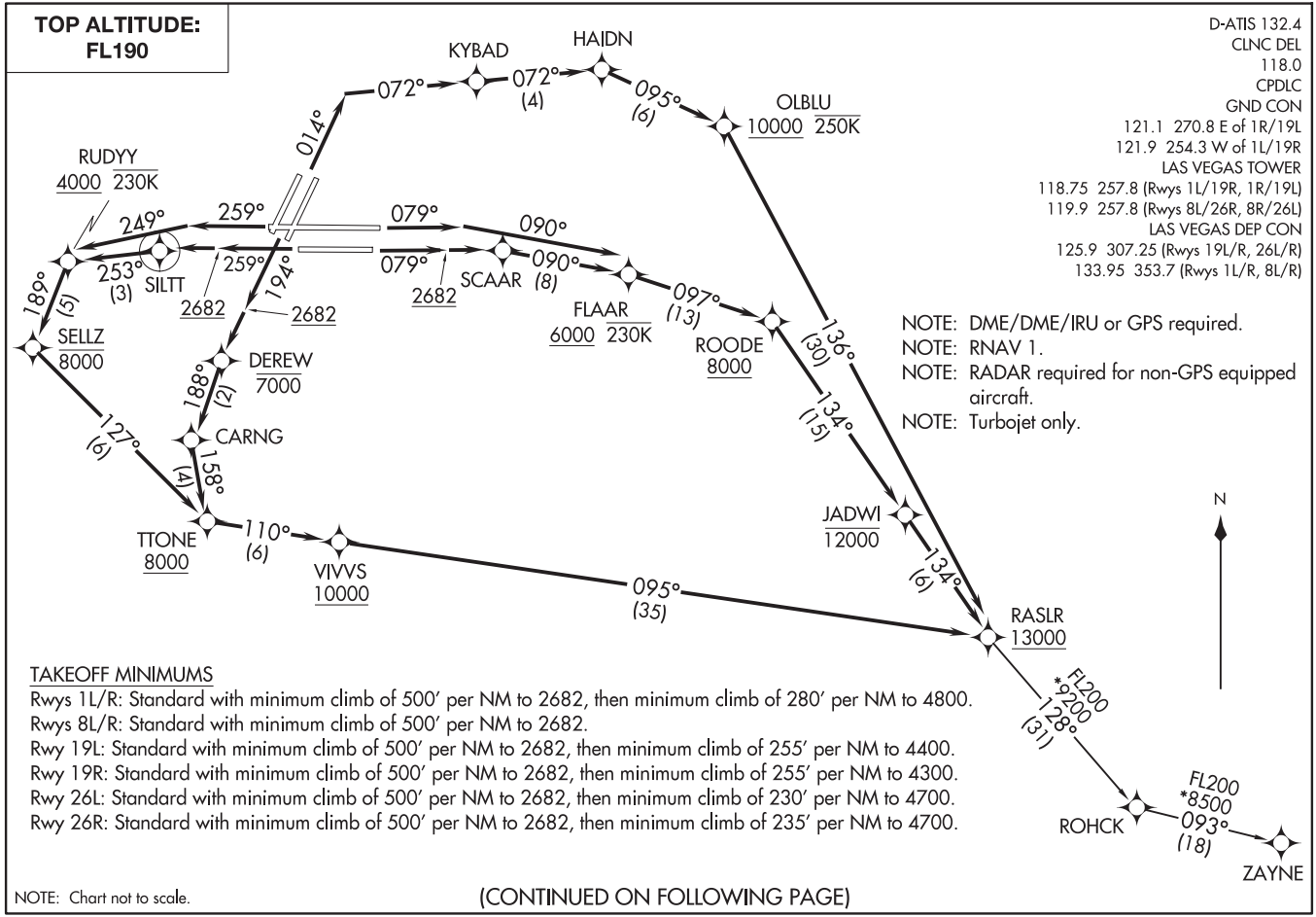
LAS VEGAS, NEVADA

HARRY REID INTL (LAS)

LAS VEGAS, NEVADA

HARRY REID INTL (LAS)

TOP ALTITUDE: FL190



D-ATIS 132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)
LAS VEGAS DEP CON
125.9 307.25 (Rwys 19L/R, 26L/R)
133.95 353.7 (Rwys 1L/R, 8L/R)

NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: RADAR required for non-GPS equipped aircraft.
NOTE: Turbojet only.

TAKEOFF MINIMUMS

Rwys 1L/R: Standard with minimum climb of 500' per NM to 2682, then minimum climb of 280' per NM to 4800.
Rwys 8L/R: Standard with minimum climb of 500' per NM to 2682.
Rwy 19L: Standard with minimum climb of 500' per NM to 2682, then minimum climb of 255' per NM to 4400.
Rwy 19R: Standard with minimum climb of 500' per NM to 2682, then minimum climb of 255' per NM to 4300.
Rwy 26L: Standard with minimum climb of 500' per NM to 2682, then minimum climb of 230' per NM to 4700.
Rwy 26R: Standard with minimum climb of 500' per NM to 2682, then minimum climb of 235' per NM to 4700.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to intercept course 072° to KYBAD, then on track 072° to HAIDN, then on track 095° to cross OLBLU at or above 10000 and at or below 250K, then on track 136° to cross RASLR at or above 13000, thence. . . .

TAKEOFF RUNWAY 8L: Climb on heading 079° to intercept course 090° to cross FLAAR at or above 6000 and at or below 230K, then on track 097° to cross ROODE at or above 8000, then on track 134° to cross JADWI at or below 12000, then on track 134° to cross RASLR at or above 13000, thence. . . .

TAKEOFF RUNWAY 8R: Climb on heading 079° to 2682, then direct SCAAR, then on track 090° to cross FLAAR at or above 6000 and at or below 230K, then on track 097° to cross ROODE at or above 8000, then on track 134° to cross JADWI at or below 12000, then on track 134° to cross RASLR at or above 13000, thence. . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194° to 2682, then direct DEREW at or below 7000, then on track 188° to CARNG, then on track 158° to cross TTONE at or above 8000, then on track 110° to cross VIVVS at or above 10000, then on track 095° to cross RASLR at or above 13000, thence. . . .

TAKEOFF RUNWAY 26L: Climb on heading 259° to 2682, then direct SILTT, then on track 253° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 127° to cross TTONE at or above 8000, then on track 110° to cross VIVVS at or above 10000, then on track 095° to cross RASLR at or above 13000, thence. . . .

TAKEOFF RUNWAY 26R: Climb on heading 259° to intercept course 249° to cross RUDYY at or above 4000 and at or below 230K, then on track 189° to cross SELLZ at or below 8000, then on track 127° to cross TTONE at or above 8000, then on track 110° to cross VIVVS at or above 10000, then on track 095° to cross RASLR at or above 13000, thence. . . .

. . . . on (transition). Maintain FL190. Expect filed altitude 10 minutes after departure.

ZAYNE TRANSITION (RASLR3.ZAYNE)

SW-4, 07 AUG 2025 to 02 OCT 2025

(RATPK3.RATPK) 24249

RATPK THREE DEPARTURE (RNAV)

AL-662 (FAA)

HARRY REID INTL (LAS)
LAS VEGAS, NEVADA

TOP ALTITUDE: FL190

D-ATIS
132.4
CLNC DEL
118.0
CPDLC
GND CON
121.1 270.8 E of 1R/19L
121.9 254.3 W of 1L/19R
LAS VEGAS TOWER
118.75 257.8 (Rwys 1L/19R, 1R/19L)
119.9 257.8 (Rwys 8L/26R, 8R/26L)
LAS VEGAS DEP CON
125.9 307.25 (Rwys 8L/R)
133.95 353.7 (Rwys 1L/R, 19L/R, 26L/R)

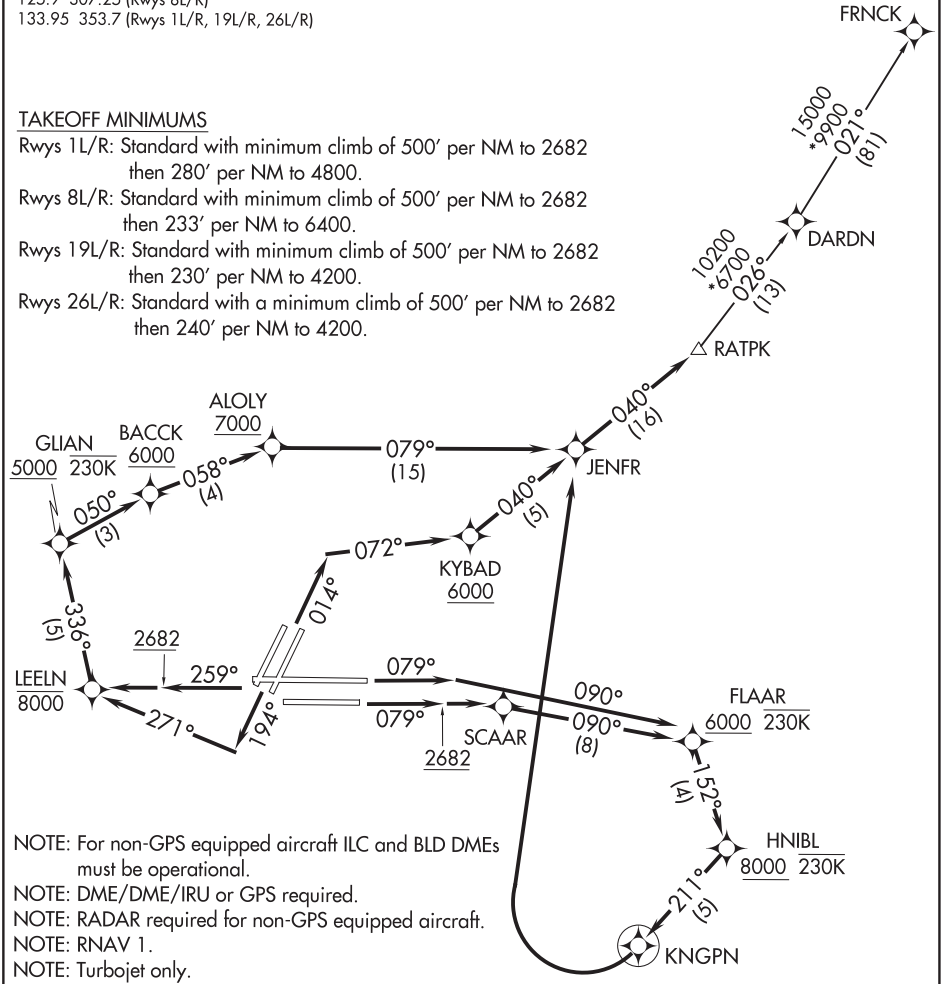
TAKEOFF MINIMUMS

Rwys 1L/R: Standard with minimum climb of 500′ per NM to 2682 then 280′ per NM to 4800.

Rwys 8L/R: Standard with minimum climb of 500′ per NM to 2682 then 233′ per NM to 6400.

Rwys 19L/R: Standard with minimum climb of 500′ per NM to 2682 then 230′ per NM to 4200.

Rwys 26L/R: Standard with a minimum climb of 500′ per NM to 2682 then 240′ per NM to 4200.



NOTE: For non-GPS equipped aircraft ILC and BLD DMEs must be operational.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required for non-GPS equipped aircraft.
NOTE: RNAV 1.
NOTE: Turbojet only.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 1L/R: Climb on heading 014° to intercept course 072° to cross KYBAD at or above 6000, then on track 040° to JENFR, then on track 040° to RATPK, thence . . . .

TAKEOFF RUNWAY 8L: Climb on heading 079° to intercept course 090° to cross FLAAR at or above 6000 and at or below 230K, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to KNGPN, then right turn direct JENFR, then on track 040° to RATPK, thence . . . .

TAKEOFF RUNWAY 8R: Climb on heading 079° to 2682, then direct SCAAR, then on track 090° to cross FLAAR at or above 6000 and at or below 230K, then on track 152° to cross HNIBL at or above 8000 and at or below 230K, then on track 211° to KNGPN, then right turn direct JENFR, then on track 040° to RATPK, thence . . . .

TAKEOFF RUNWAYS 19L/R: Climb on heading 194° to intercept course 271° to cross LEELN at or below 8000, then on track 336° to cross GLIAN at or above 5000 and at or below 230K, then on track 050° to cross BACCK at or above 6000, then on track 058° to cross ALOLY at or above 7000, then on track 079° to JENFR, then on track 040° to RATPK, thence . . . .

TAKEOFF RUNWAYS 26L/R: Climb on heading 259° to 2682, then direct LEELN to cross LEELN at or below 8000, then on track 336° to cross GLIAN at or above 5000 and at or below 230K, then on track 050° to cross BACCK at or above 6000, then on track 058° to cross ALOLY at or above 7000, then on track 079° to JENFR, then on track 040° to RATPK, thence . . . .

. . . . on (transition), maintain FL190. Expect filed altitude 10 minutes after departure.

FRNCK TRANSITION (RATPK3.FRNCK)

LAS VEGAS, NEVADA | AL-6514 (FAA) | 24361

APP CRS	Rwy Idg	N/A
347°	TDZE	N/A
	Apt Elev	2491

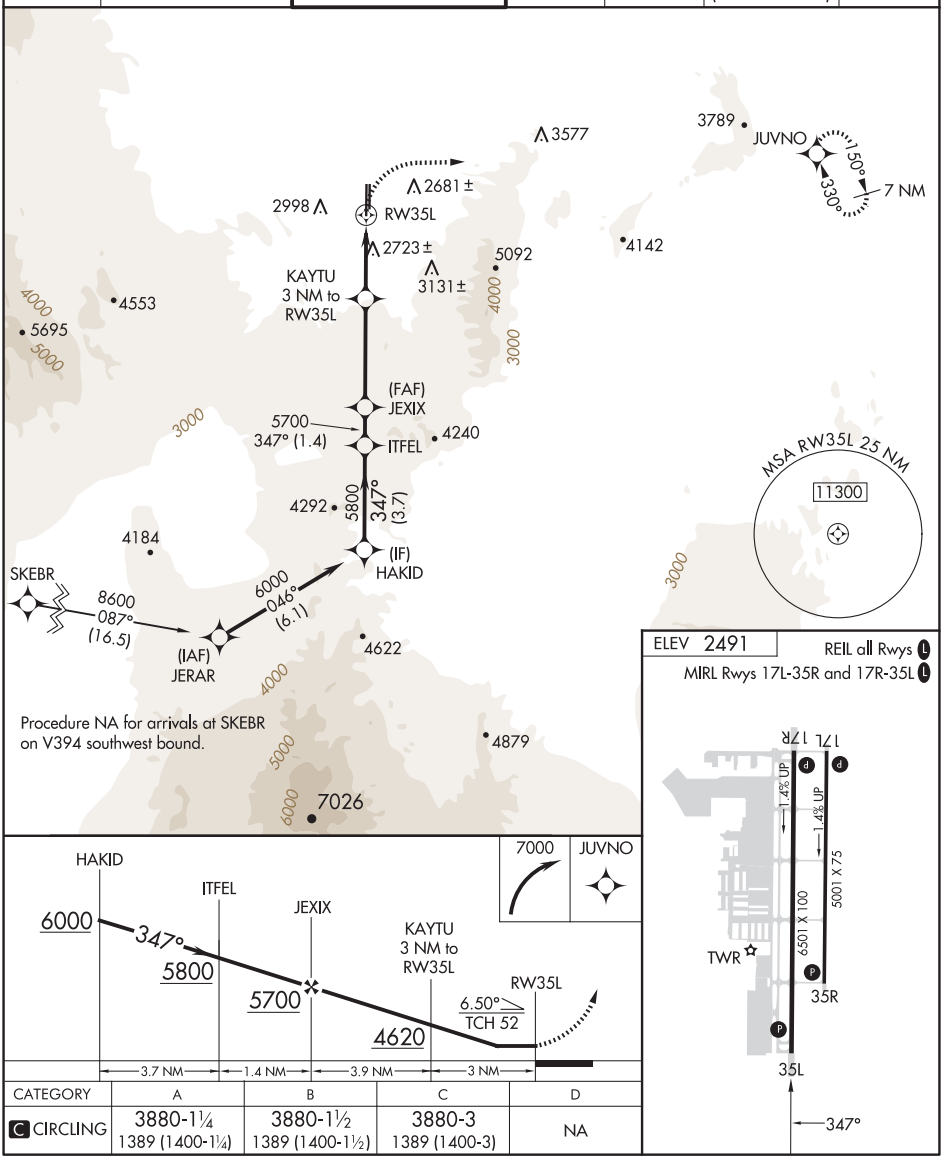
RNAV (GPS)-B
HENDERSON EXEC (HND)

RNP APCH-GPS.

T A Circling to Rwy 35L NA at night. Rwy 35L helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Harry Reid Intl altimeter setting and increase all MDAs 60 feet.

MISSED APPROACH: Climbing right turn to 7000 direct JUVNO and hold, continue climb-in-hold to 7000.

ATIS	LAS VEGAS APP CON	HENDERSON TOWER★	GND CON	CLNC DEL	CLNC DEL (when twr closed)	UNICOM
120.775	125.475 307.25	125.1 (CTAF) L	127.8	118.425	125.475	122.95



CATEGORY	A	B	C	D
C CIRCLING	3880-1¼ 1389 (1400-1¼)	3880-1½ 1389 (1400-1½)	3880-3 1389 (1400-3)	NA

LAS VEGAS, NEVADA
Amdt 2 24MAR22

35°58′N-115°08′W

HENDERSON EXEC (HND)
RNAV (GPS)-B

SW-4, 07 AUG 2025 to 02 OCT 2025

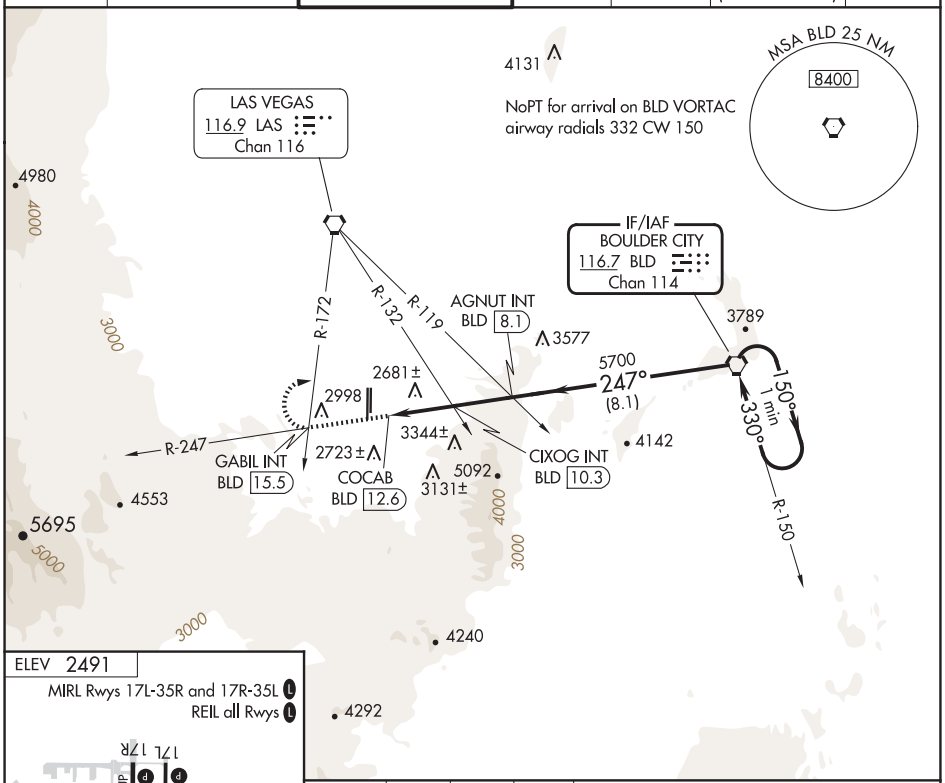
VORTAC BLD	APP CRS	Rwy Idg	N/A
116.7	247°	TDZE	N/A
Chan 114		Apt Elev	2491

VOR-C
HENDERSON EXEC (HND)

Circling to Rwy 35L NA at night.
When local altimeter setting not received, use Harry Reid Intl altimeter setting and increase all MDAs 60 feet.

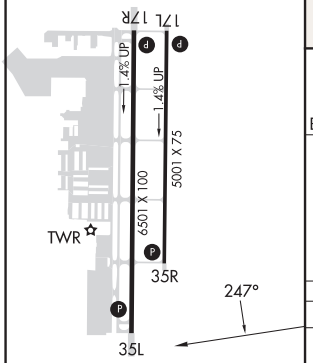
MISSED APPROACH: Climb to 7000 on BLD VORTAC R-247 to GABIL INT/BLD 15.5 DME and right turn direct BLD VORTAC and hold.

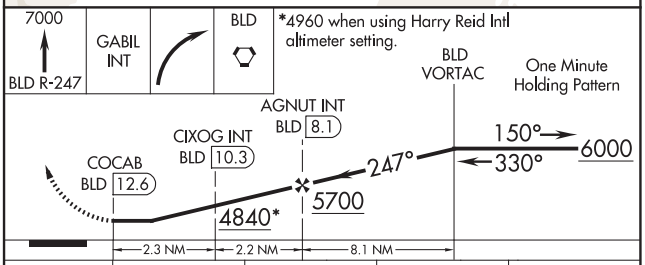
ATIS	LAS VEGAS APP CON	HENDERSON TOWER*	GND CON	CLNC DEL	CLNC DEL	UNICOM
120.775	125.475 307.25	125.1 (CTAF) L	127.8	118.425	125.475 (when twr closed)	122.95



ELEV 2491

MIRL Rwys 17L-35R and 17R-35L L
REIL all Rwys L





CATEGORY	A	B	C	D
CIRCLING	4840-1¼ 2349 (2400-1¼)	4840-1½ 2349 (2400-1½)	4840-3 2349 (2400-3)	NA

CIXOG FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)

CATEGORY	A	B	C	D
CIRCLING	3700-1¼ 1209 (1300-1¼)	3700-1½ 1209 (1300-1½)	3700-3 1209 (1300-3)	NA

FAF to MAP 4.5 NM

Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

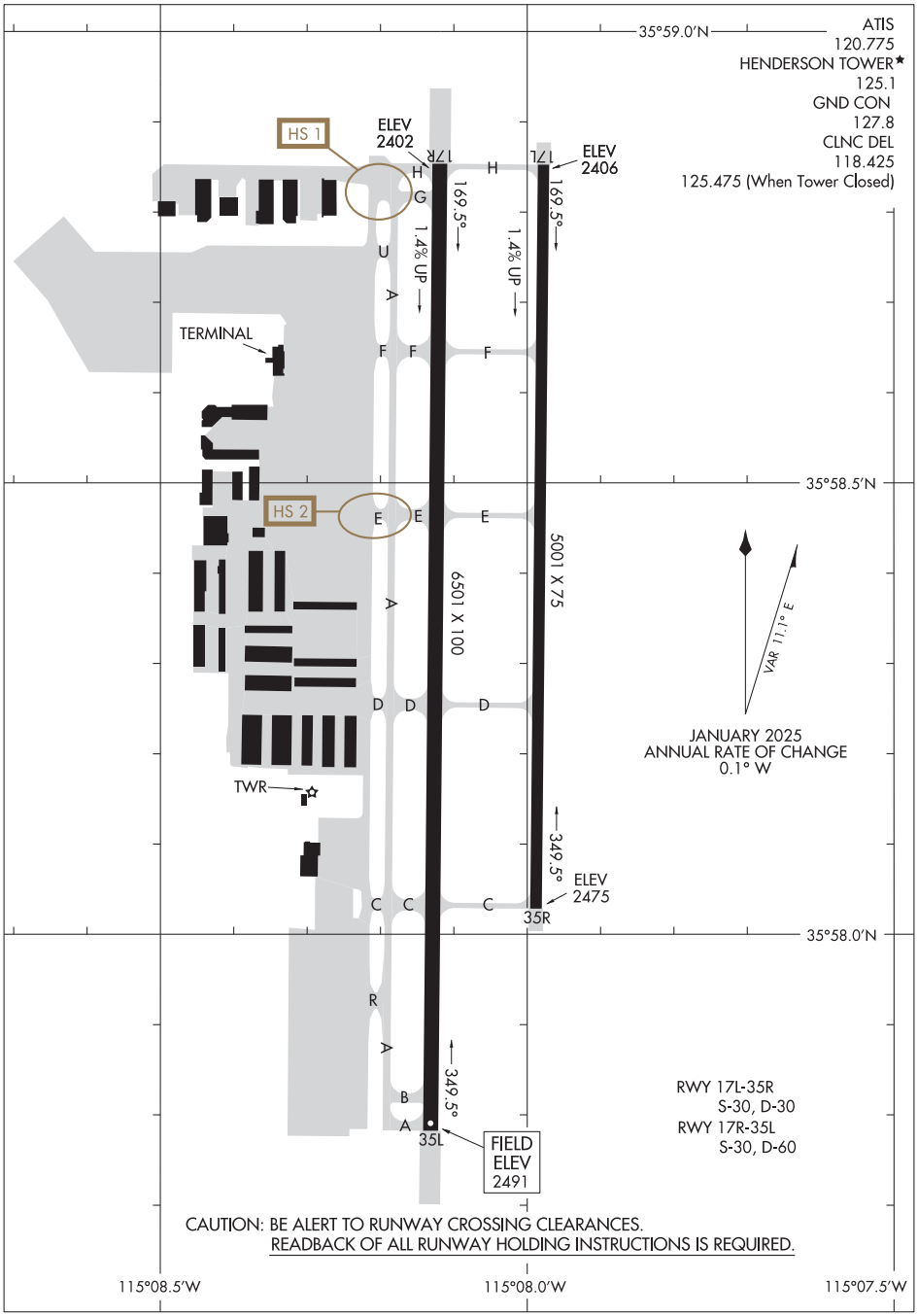
25107

AIRPORT DIAGRAM

AL-6514 (FAA)

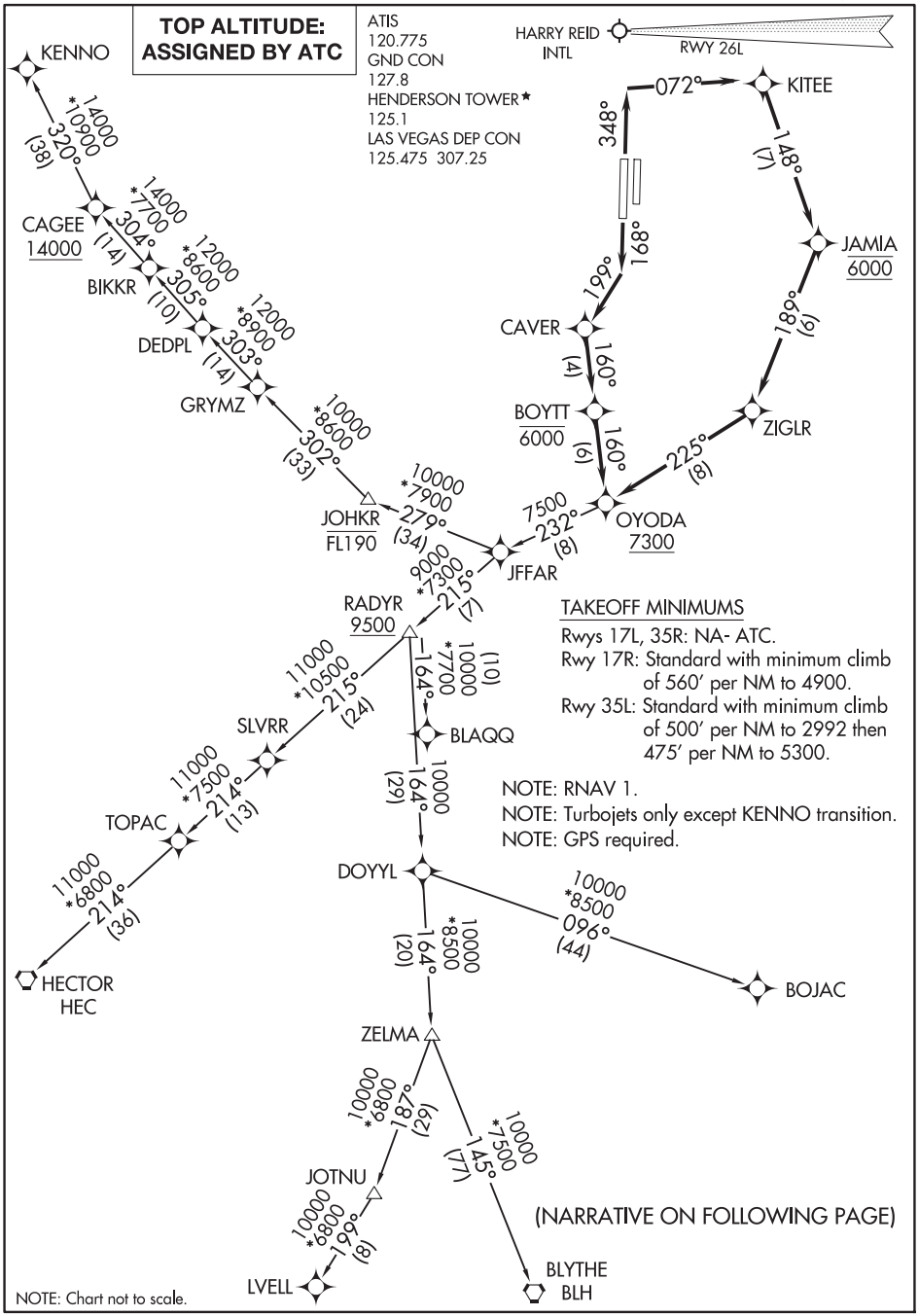
HENDERSON EXEC (HND)

LAS VEGAS, NEVADA



SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107
LAS VEGAS, NEVADA
HENDERSON EXEC (HND)



SW-4, 07 AUG 2025 to 02 OCT 2025

(OYODA2.OYODA) 21112

OYODA TWO DEPARTURE (RNAV)

AL-6514 (FAA)

HENDERSON EXEC (HND)
LAS VEGAS, NEVADA

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168° to intercept course 199° to CAVER, then on track 160° to cross BOYTT at or below 6000, then on track 160° to cross OYODA at or above 7300, thence. . . .

TAKEOFF RUNWAY 35L: Climb on heading 348° to intercept course 072° to KITEE, then on track 148° to cross JAMIA at 6000, then on track 189° to ZIGLR, then on track 225° to cross OYODA at or above 7300, thence. . . .

. . . .(transition). Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

BLAQQ TRANSITION (OYODA2.BLAQQ)

BLYTHE TRANSITION (OYODA2.BLH)

BOJAC TRANSITION (OYODA2.BOJAC)

HECTOR TRANSITION (OYODA2.HEC)

KENNO TRANSITION (OYODA2.KENNO)

LVELL TRANSITION (OYODA2.LVELL)

SLVRR TRANSITION (OYODA2.SLVRR)

TOP ALTITUDE: ASSIGNED BY ATC
RNAV 1 - GPS.
LAS VEGAS DEP CON
125.475 307.25
ATIS
120.775
GND CON
127.8
HENDERSON TOWER★
125.1
HARRY REID INTL
RWY 26L
MSA HND 25 NM
12300
BOYTT (8)
6000
ZIGLR
CAVER
JAMIA
6000
KITEE
SCAMR
RATPK
DARDN
FRNCK
GIDGT
10000
GEEOO
NICLE
BETHL
VERKN
TUKRR
PAGE
PGA
HOCEE
SSKEE
IWANS
NIITZ
URSLA
RASLR
10000
ROHCK
ZAYNE
(CONTINUED ON FOLLOWING PAGE)
NOTE: PAGE Transition: Do not file - to be assigned by ATC.
NOTE: IWANS Transition: Do not file - to be assigned by ATC.
NOTE: Turbojet aircraft only.
TAKEOFF MINIMUMS
Rwys 17L, 35R: NA-ATC.
Rwy 17R: Standard with minimum climb of 560' per NM to 4900.
Rwy 35L: Standard with minimum climb of 500' per NM to 2992 then 475' per NM to 5300.
NOTE: Chart not to scale.
SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17R: Climb on heading 168° to intercept course 199° to CAVER, then on track 160° to cross BOYTT at or below 6000, then on track 090° to ZIGLR, then on track 045° to SCAMR, thence. . . .

TAKEOFF RUNWAY 35L: Climb on heading 348° to intercept course 072° to KITEE, then on track 148° to cross JAMIA at 6000, then on track 082° to SCAMR, thence. . . .

. . . . (transition). Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

FRNCK TRANSITION (SCAMR4.FRNCK)
HOCEE TRANSITION (SCAMR4.HOCEE)
IWANS TRANSITION (SCAMR4.IWANS)
PAGE TRANSITION (SCAMR4.PGA)
SSKEE TRANSITION (SCAMR4.SSKEE)
TUKRR TRANSITION (SCAMR4.TUKRR)
VERKN TRANSITION (SCAMR4.VERKN)
ZAYNE TRANSITION (SCAMR4.ZAYNE)

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-HWG	APP CRS		12L	12R
110.7	120°	Rwy Ldg	4199	5000
Chan 44		TDZE	2189	2205
		Apt Elev	2205	2205

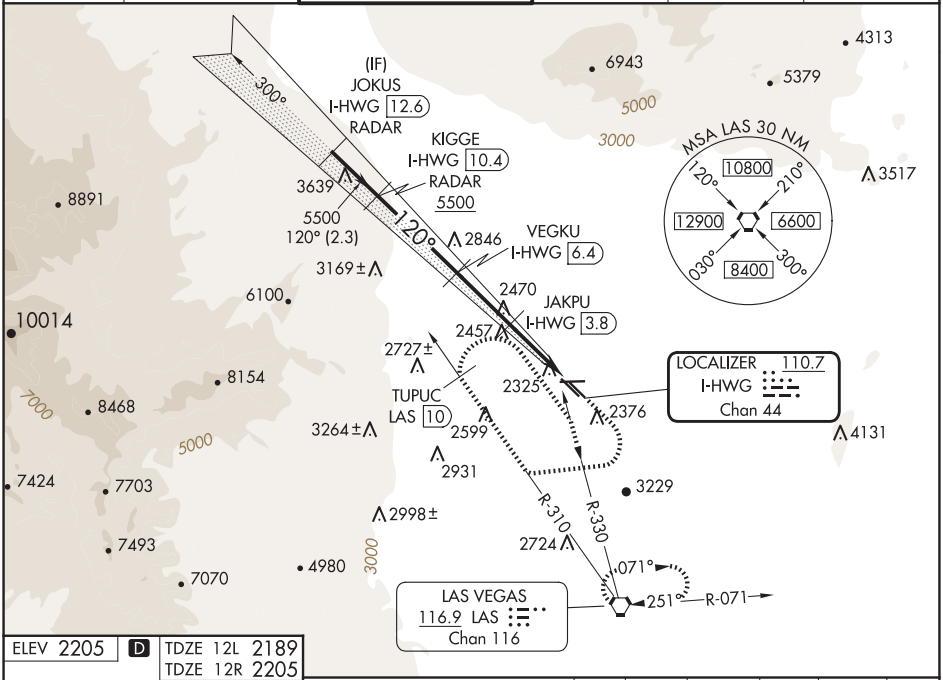
ILS or LOC RWY 12L
NORTH LAS VEGAS (VGT)

RADAR and DME required.

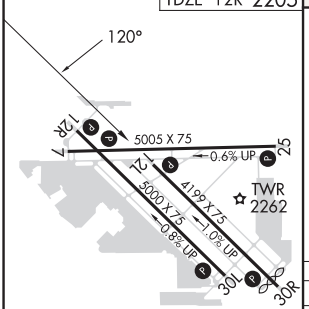
T A Rwy 12L helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2660 climbing right turn heading 250° to 6000, intercept LAS VORTAC R-310 outbound to TUPUC/LAS 10 DME then right turn on LAS VORTAC R-330 inbound to LAS VORTAC and hold.

ATIS	LAS VEGAS APP CON	NORTH LAS VEGAS TOWER★	GND CON	CLNC DEL	UNICOM
118.05	119.4 360.85	125.7 (CTAF) L 360.75	121.7	124.0	122.95



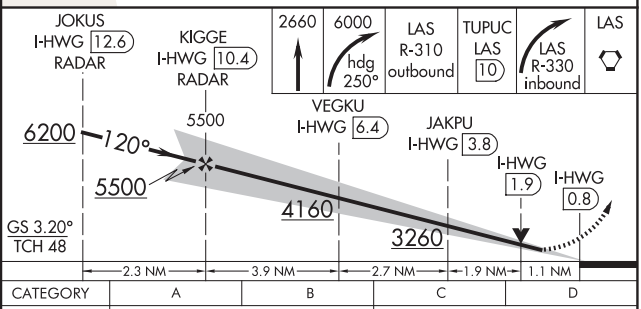
ELEV 2205 D TDZE 12L 2189 TDZE 12R 2205



REIL all Rwys L
MIRL all Rwys L

FAF to MAP 9.6 NM

Knots	60	90	120	150	180
Min:Sec	9:36	6:24	4:48	3:50	3:12



CATEGORY	A	B	C	D
S-ILS 12L	2456-⅞ 267 (300-⅞)		NA	
S-LOC 12L	2620-1 431 (500-1)		NA	
SIDESTEP 12R	2720-1⅜ 515 (600-1⅜)		NA	
C CIRCLING	2720-1 515 (600-1)		NA	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA

AL-6970 (FAA)

25163

RNAV (GPS) RWY 12R

NORTH LAS VEGAS (VGT)

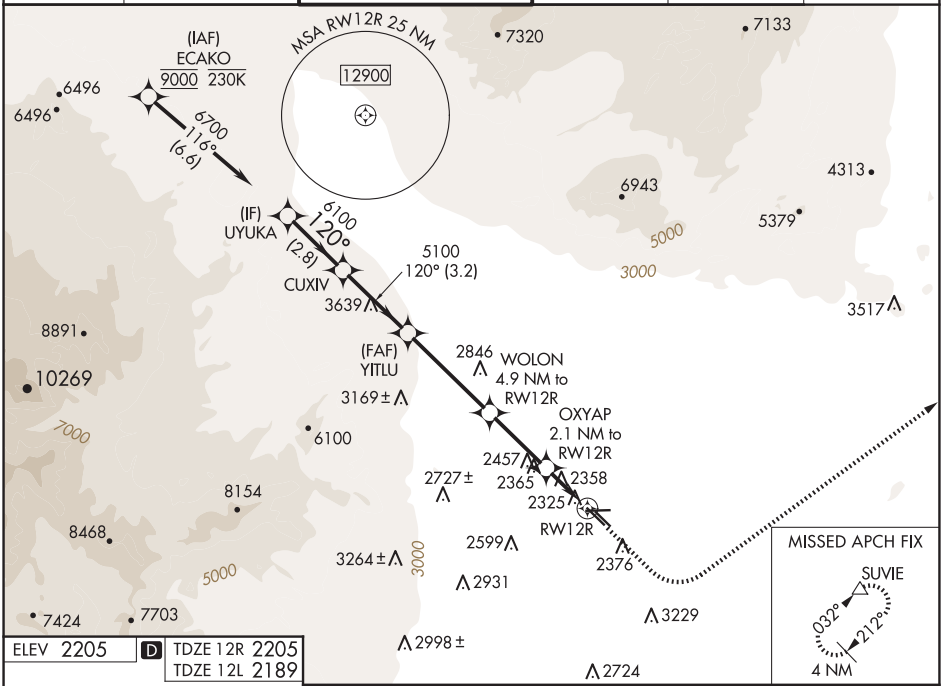
WAAS	APP CRS		12R	12L
CH 69443	120°	Rwy Ldg	5000	4199
W12A		TDZE	2205	2189
		Apt Elev	2205	2205

RNP APCH - GPS.

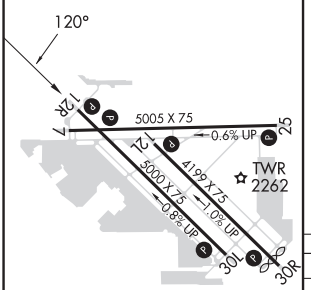
T A Rwy 12R helicopter visibility reduction below ¾ SM NA.

MISSED APPROACH: Climb to 2900 then climbing left turn to 7500 direct SUVIE and hold, continue climb-in-hold to 7500.

ATIS	LAS VEGAS APP CON	NORTH LAS VEGAS TOWER★	GND CON	CLNC DEL	UNICOM
118.05	119.4 360.85	125.7 (CTAF) L 360.75	121.7	124.0	122.95

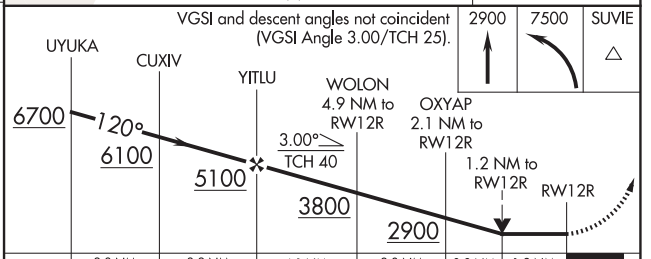


ELEV 2205	D	TDZE 12R 2205
		TDZE 12L 2189



REIL all Rwys L

MIRL all Rwys L



CATEGORY	A	B	C	D
LP MDA	2620-1 415 (500-1)		2620-1⅛ 415 (500-1⅛)	
LNAV MDA	2820-1 615 (700-1)		2820-1¾ 615 (700-1¾)	
SIDESTEP 12L	2820-1 631 (700-1)		2820-1¾ 631 (700-1¾)	2820-2 631 (700-2)
C CIRCLING	2820-1 615 (700-1)		2840-1¾ 635 (700-1¾)	3540-3 1335 (1400-3)

LAS VEGAS, NEVADA

Amdt 1 14JUL22

36°13′N-115°12′W

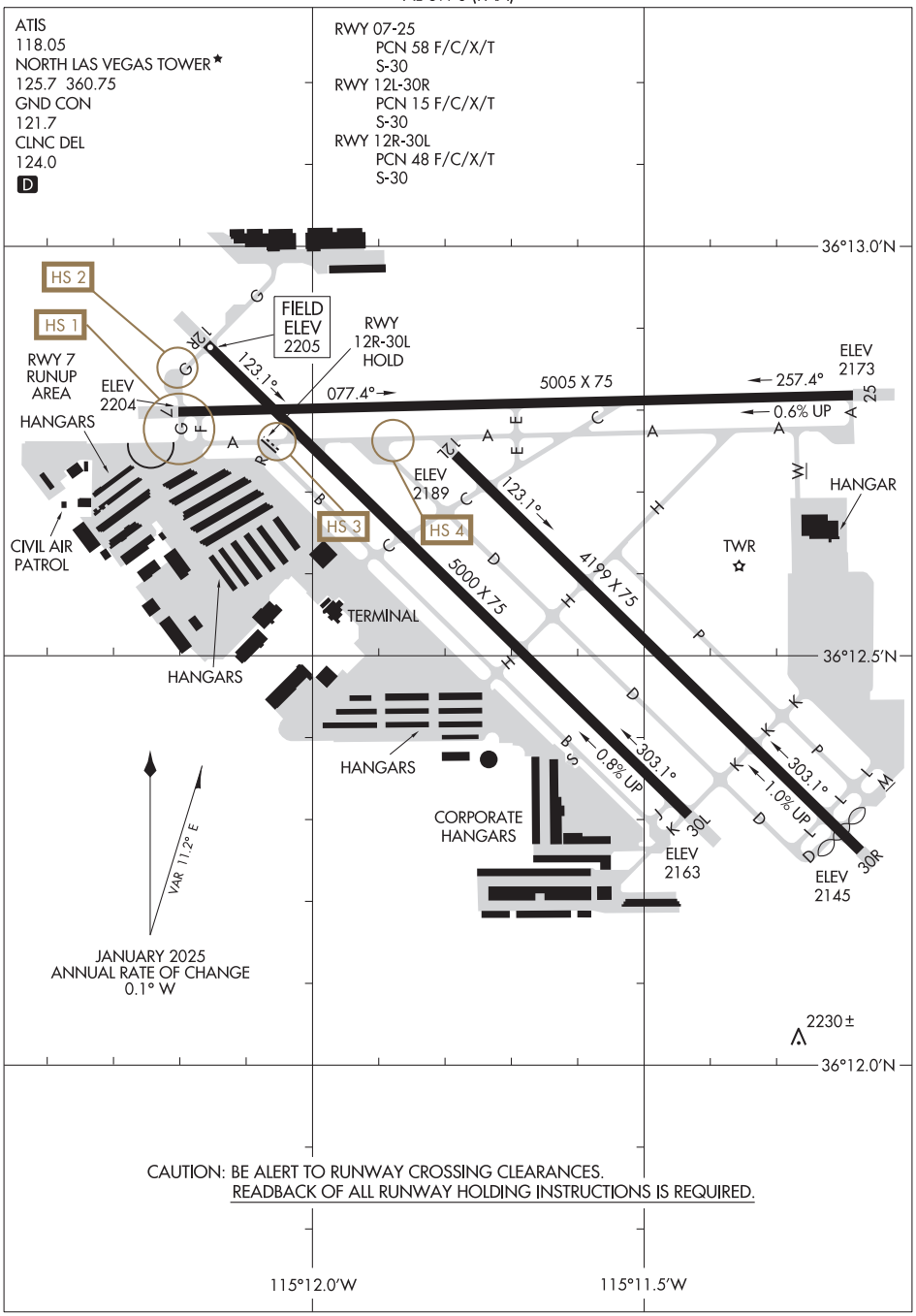
NORTH LAS VEGAS (VGT)

RNAV (GPS) RWY 12R

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AL-6970 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025

(BLD1.BLD) 23334

BOULDER CITY ONE DEPARTURE (OBSTACLE)

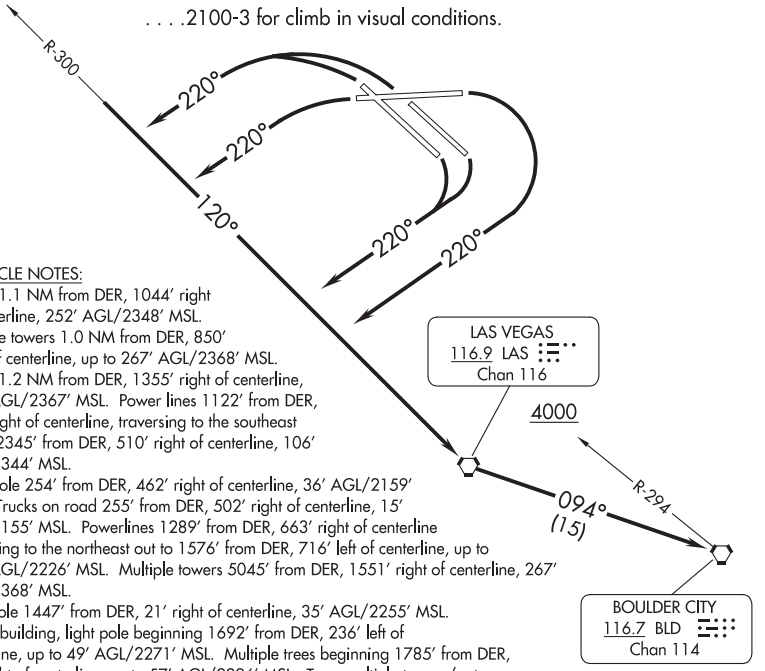
NORTH LAS VEGAS (VGT)
AL-6970 (FAA) LAS VEGAS, NEVADA

ATIS
118.05
GND CON
121.7
UNICOM
122.95
CTAF
125.7

TAKEOFF MINIMUMS:

Rwy 7: Standard with minimum climb of 339′ per NM to 3600 or. . . .
Rwy 12L: Standard with minimum climb of 393′ per NM to 3600 or. . . .
Rwy 12R: Standard with minimum climb of 373′ per NM to 3600 or. . . .
Rwy 25: Standard with minimum climb of 257′ per NM to 4500 or. . . .
Rwy 30R: Standard with minimum climb of 354′ per NM to 4700 or. . . .
Rwy 30L: Standard with minimum climb of 367′ per NM to 4700 or. . . .

. . . .2100-3 for climb in visual conditions.



TAKEOFF OBSTACLE NOTES:

Rwy 7: Tower 1.1 NM from DER, 1044′ right of centerline, 252′ AGL/2348′ MSL.

Rwy 12R: Multiple towers 1.0 NM from DER, 850′ right of centerline, up to 267′ AGL/2368′ MSL. Tower 1.2 NM from DER, 1355′ right of centerline, 270′ AGL/2367′ MSL. Power lines 1122′ from DER, 764′ right of centerline, traversing to the southeast out to 2345′ from DER, 510′ right of centerline, 106′ AGL/2344′ MSL.

Rwy 12L: Light pole 254′ from DER, 462′ right of centerline, 36′ AGL/2159′ MSL. Trucks on road 255′ from DER, 502′ right of centerline, 15′ AGL/2155′ MSL. Powerlines 1289′ from DER, 663′ right of centerline traversing to the northeast out to 1576′ from DER, 716′ left of centerline, up to 129′ AGL/2226′ MSL. Multiple towers 5045′ from DER, 1551′ right of centerline, 267′ AGL/2368′ MSL.

Rwy 25: Light pole 1447′ from DER, 21′ right of centerline, 35′ AGL/2255′ MSL.

Rwy 30L: Signs, building, light pole beginning 1692′ from DER, 236′ left of centerline, up to 49′ AGL/2271′ MSL. Multiple trees beginning 1785′ from DER, 78′ right of centerline, up to 57′ AGL/2296′ MSL. Tree, multiple towers/antennas beginning 2745′ from DER, 511′ left of centerline, up to 84′ AGL/2397′ MSL.

Rwy 30R: Antenna tower 4639′ from DER, 1736′ left of centerline, 84′ AGL/2327′ MSL. Anemometer 552′ from DER, 570′ left of centerline, 34′ AGL/2216′ MSL. Vent on building 1632′ from DER, 566′ right of centerline, 58′ AGL/2240′ MSL. Antenna on hangar 2012′ from DER, 195′ right of centerline, 61′ AGL/2247′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

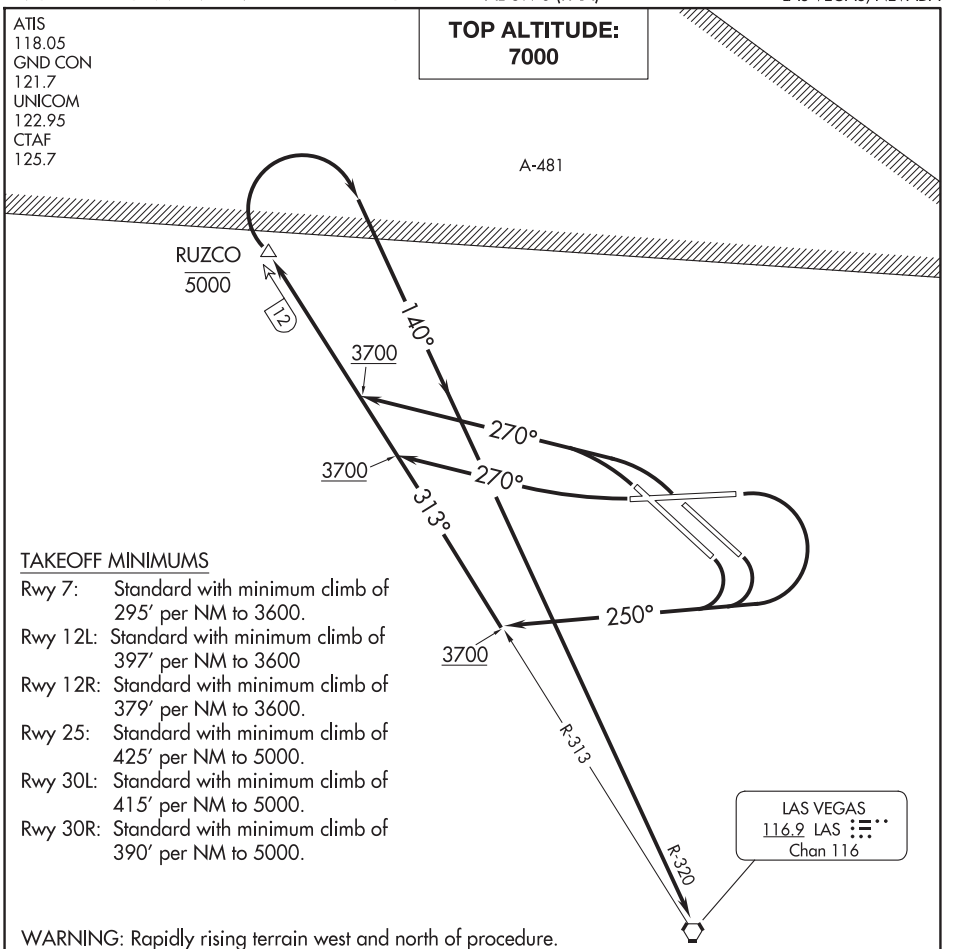
TAKEOFF RWYS 7, 12 L/R: Turn right.

TAKEOFF RWYS 25, 30L/R: Turn left.

All aircraft climb to 6000 via heading 220° and LAS-300 to LAS VORTAC, cross LAS VORTAC at or above 4000. Continue climb via LAS VORTAC R-094 to BLD VORTAC.

RWYS 7, 12L/R, 25, 30L/R: For climb in visual conditions: cross North Las Vegas Airport at or above 4200 then via BLD VORTAC R-294 to BLD VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025



TAKEOFF MINIMUMS

Rwy 7: Standard with minimum climb of 295′ per NM to 3600.
Rwy 12L: Standard with minimum climb of 397′ per NM to 3600
Rwy 12R: Standard with minimum climb of 379′ per NM to 3600.
Rwy 25: Standard with minimum climb of 425′ per NM to 5000.
Rwy 30L: Standard with minimum climb of 415′ per NM to 5000.
Rwy 30R: Standard with minimum climb of 390′ per NM to 5000.

WARNING: Rapidly rising terrain west and north of procedure.

NOTE: DME required.

NOTE: Do not exceed 240K until established on LAS R-320 southeast bound.

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7, 12L/R: Climbing right turn on heading 250° to intercept LAS R-313 outbound at or above 3700, thence. . .

TAKEOFF RUNWAY 25: Climbing right turn on heading 270° to intercept LAS R-313 outbound at or above 3700, thence. . .

TAKEOFF RUNWAYS 30L/R: Climbing left turn on heading 270° to intercept LAS R-313 outbound at or above 3700, thence. . .

. . .on LAS R-313 outbound to cross RUZCO/LAS 12 DME at or below 5000, then climbing right turn to intercept LAS R-320 to LAS VORTAC. Cross LAS VORTAC at or above 7000.

LOGAN, UTAH | AL-663 (FAA) | 25219

ILS or LOC/DME RWY 17

LOGAN-CACHE (LGU)

LOC/DME I-LGU	APP CRS	Rwy Ldg	9020
109.15	172°	TDZE	4457
Chan 28(Y)		Apt Elev	4457

T NA -14°C — Circling NA east of Rwy 17-35. Circling Rwy 10, 28 NA at night. Rwy 17 helicopter visibility reduction below ¾ SM NA.

MALSR

MISSED APPROACH: Climb to 5800 then climbing right turn to 12000 on heading 345° and on LHO VOR/DME R-357 to FILOB INT/LHO 19.6 DME and hold, continue climb-in-hold to 12000.

ASOS	SALT LAKE CENTER	UNICOM
135.275	127.7 354.125	122.8 (CTAF) L

DME REQUIRED

10000 101° (14.6) (IAF) HUSEM LHO 18.9

10000 LHO 18.9 Arc JINUG LHO 18.9

FILOB LHO 19.6

8900 LHO 18.9 Arc

(IF) KOKPE I-LGU 18

R-101 7005

MALAD CITY 117.4 MLD Chan 121

Procedure NA for arrivals at HUSEM on V142 westbound.

R-350 R-357 LR-005 7600 172° (6.6)

LOCIG I-LGU 11.4

R-325

MSA LHO 25 NM 10700 9900 11200 111° 201° 021°

IKUCI I-LGU 3.9

4717

12000 325° (18.9)

BRIGHAM CITY 112.9 LHO Chan 76

LOCALIZER 109.15 I-LGU Chan 28(Y)

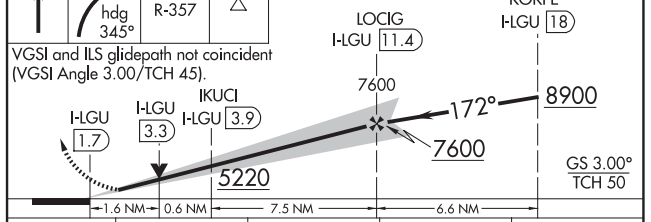
12000 302° (23.8)

NIWTE

5800 | 12000 hdg 345° | LHO R-357 | FILOB

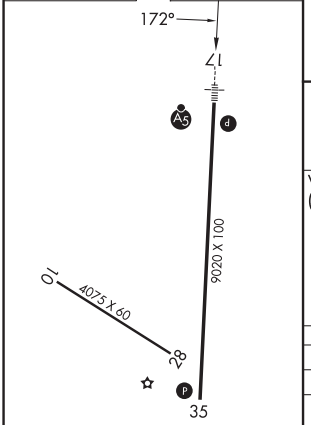
Use I-LGU DME when on localizer course.

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 45).



CATEGORY	A	B	C	D
S-ILS 17	4771-¾	314 (400-¾)		
S-LOC 17	5020-¾	563 (600-¾)	5020-1¼	563 (600-1¼)
CIRCLING	5020-1	563 (600-1)	5080-1¾ 623 (700-1¾)	5080-2 623 (700-2)

ELEV 4457 | D | TDZE 4457



REIL Rwy 35 L

HIRL Rwy 17-35 L

LOGAN, UTAH
Amdt 1A 22FEB24

41°48′N-111°51′W

LOGAN-CACHE (LGU)

ILS or LOC/DME RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 17

LOGAN-CACHE (LGU)

APP CRS	Rwy Ldg	9020
172°	TDZE	4457
	Apt Elev	4457

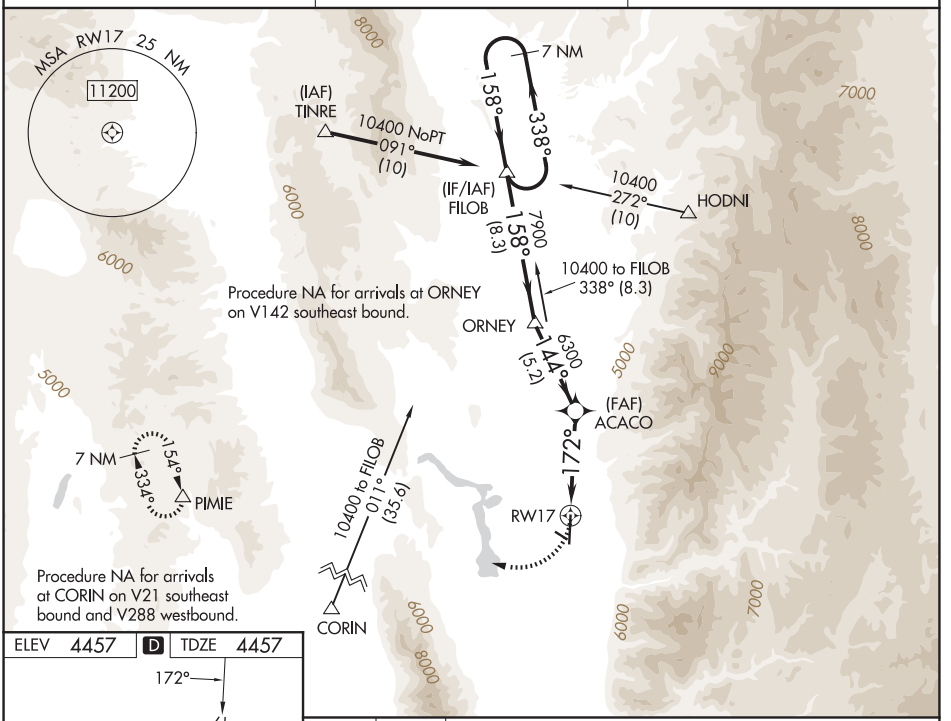
T A -14°C

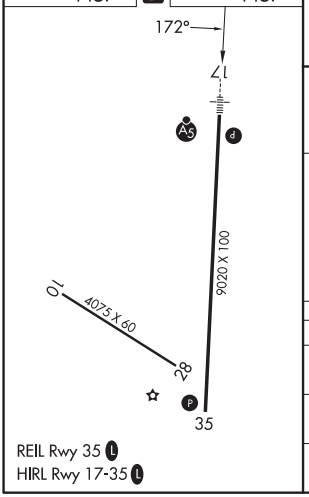
DME/DME RNP-0.3 NA. Circling NA east of Rwy 17-35.
Night Landing: Rwy 10-28 NA.
Inop table does not apply to LNAV Cats C/D.
*Missed approach requires minimum climb of 310 feet per NM to 7700.

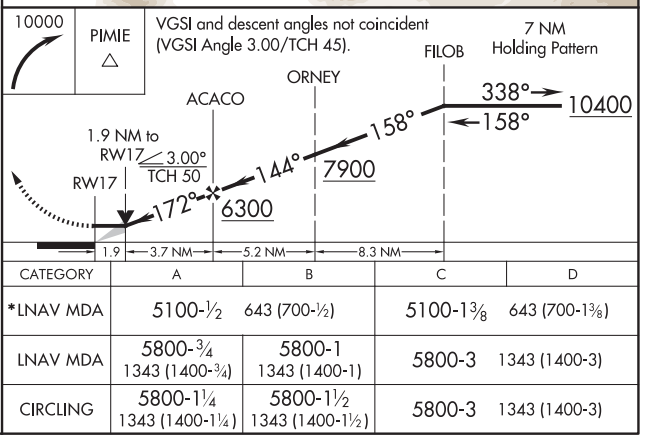
MALSR

MISSED APPROACH:
Climbing right turn to 10000 direct PIMIE and hold, continue climb-in-hold to 10000.

ASOS	SALT LAKE CENTER	UNICOM
135.275	127.7 354.125	122.8 (CTAF) L







CATEGORY	A	B	C	D
*LNAV MDA	5100-½	643 (700-½)	5100-1⅜	643 (700-1⅜)
LNAV MDA	5800-¾ 1343 (1400-¾)	5800-1 1343 (1400-1)	5800-3	1343 (1400-3)
CIRCLING	5800-1¼ 1343 (1400-1¼)	5800-1½ 1343 (1400-1½)	5800-3	1343 (1400-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LOGAN, UTAH | AL-663 (FAA) | 25219

WAAS	APP CRS	Rwy Ldg	9020
CH 57900	352°	TDZE	4457
W35A		Apt Elev	4457

RNAV (GPS) RWY 35
LOGAN-CACHE (LGU)

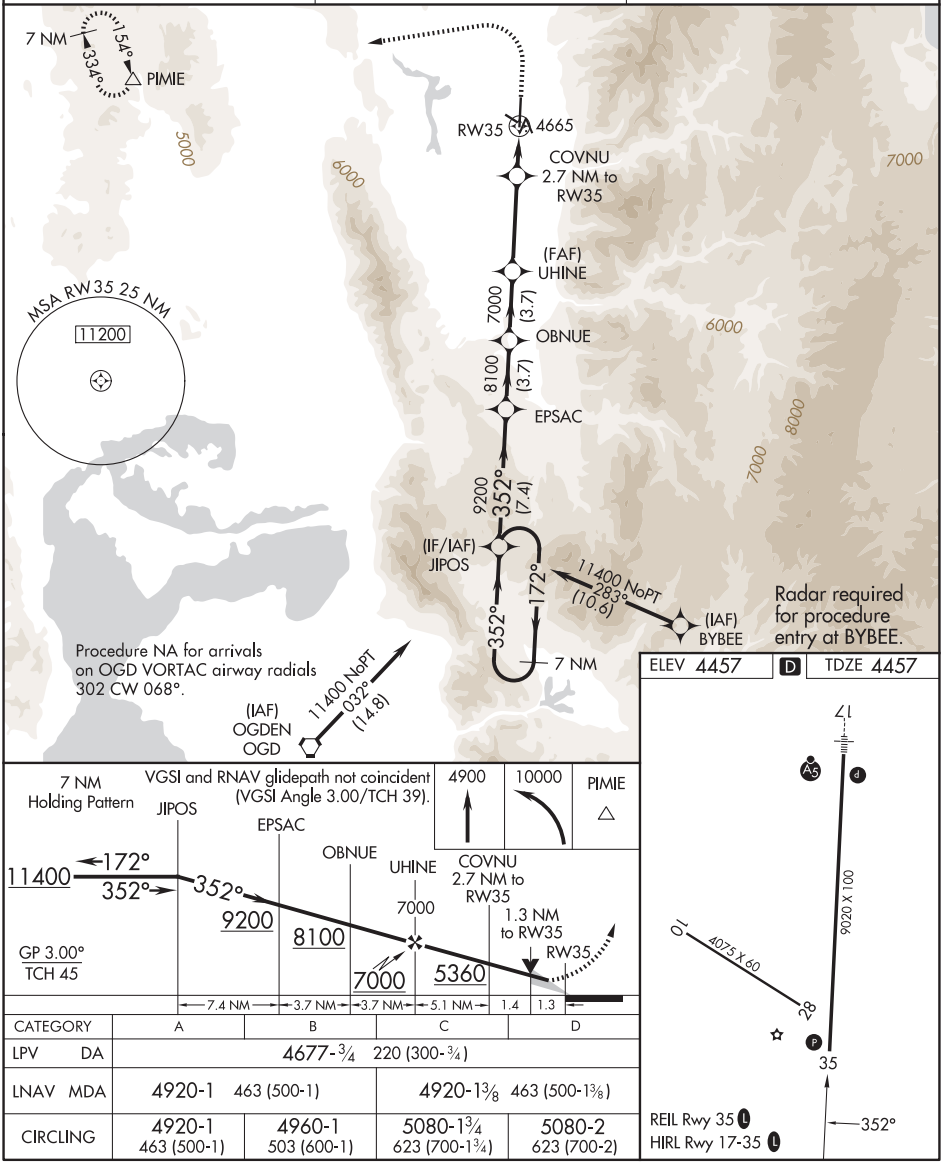
RNP APCH - GPS.

-14°C

Circling NA east of Rwy 17-35. Circling Rwy 10, 28 NA at night.

MISSED APPROACH: Climb to 4900 then climbing left turn to 10000 direct PIMIE and hold, continue climb-in-hold to 10000.

ASOS	SALT LAKE CENTER	UNICOM
135.275	127.7 354.125	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	4677-¾ 220 (300-¾)			
LNAV MDA	4920-1 463 (500-1)		4920-1⅜ 463 (500-1⅜)	
CIRCLING	4920-1 463 (500-1)	4960-1 503 (600-1)	5080-1¾ 623 (700-1¾)	5080-2 623 (700-2)

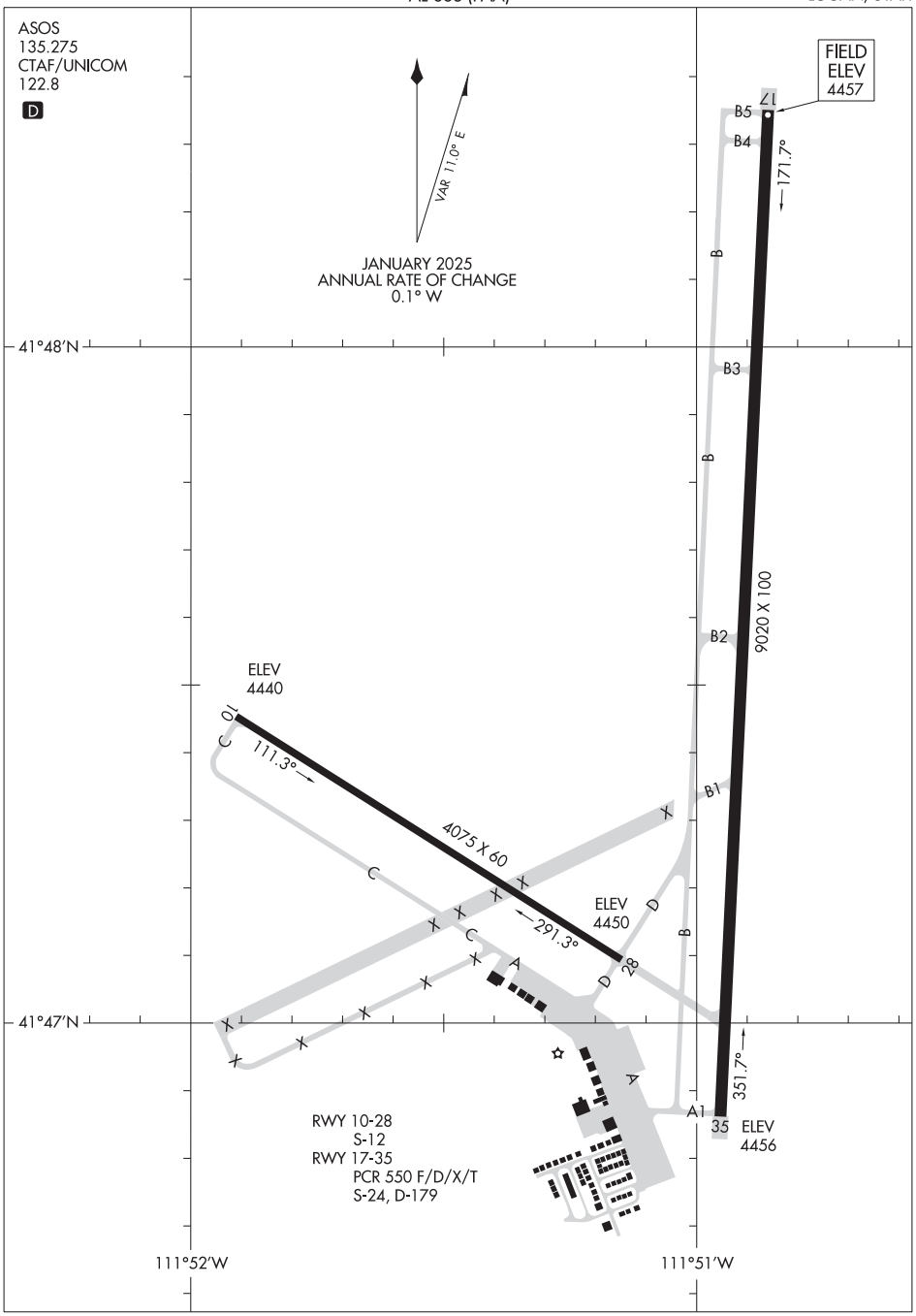
ELEV 4457 | D | TDZE 4457

LOGAN, UTAH
Amdt 3A 22FEB24

41°48'N-111°51'W

LOGAN-CACHE (LGU)
RNAV (GPS) RWY 35

SW-4, 07 AUG 2025 to 02 OCT 2025



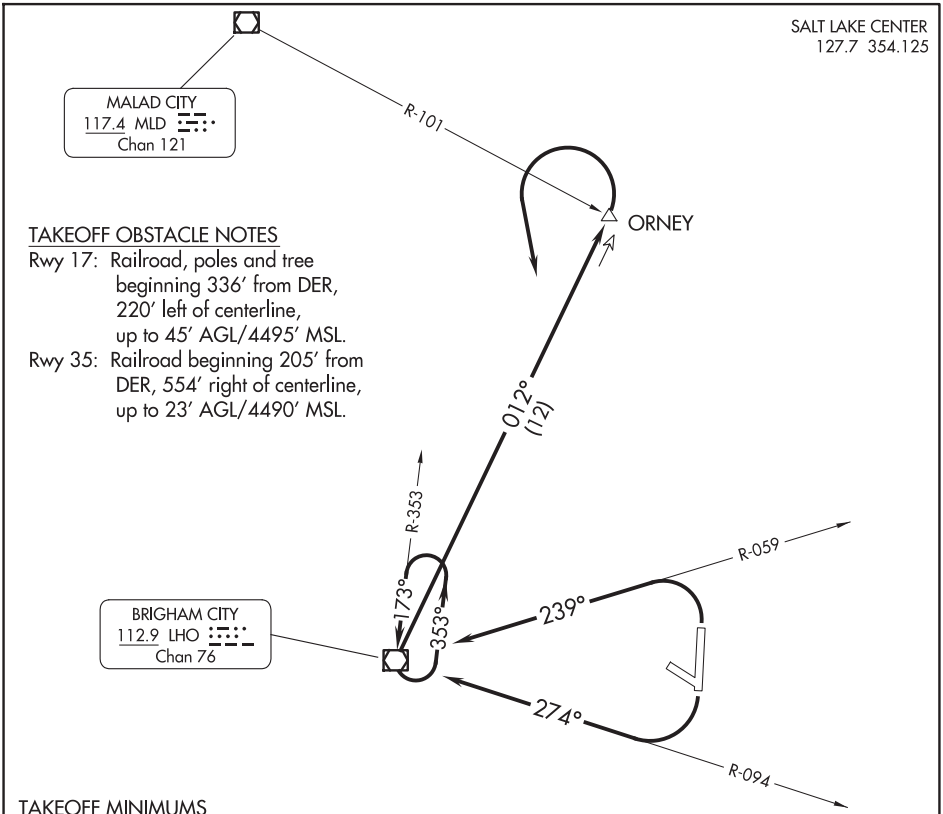
SW-4, 07 AUG 2025 to 02 OCT 2025

(ORNEY1.LHO) 23334

ORNEY ONE DEPARTURE (OBSTACLE)

AL-663 (FAA)

LOGAN-CACHE (LGU)
LOGAN, UTAH



TAKEOFF OBSTACLE NOTES

Rwy 17: Railroad, poles and tree beginning 336′ from DER, 220′ left of centerline, up to 45′ AGL/4495′ MSL.

Rwy 35: Railroad beginning 205′ from DER, 554′ right of centerline, up to 23′ AGL/4490′ MSL.

TAKEOFF MINIMUMS

Rwys 10, 28: NA-obstacles.

Rwy 17: Standard with minimum climb of 276′ per NM to 7100′, or 4700-3 for climb in visual conditions.

Rwy 35: Standard with minimum climb of 274′ per NM to 9500′, or 4700-3 for climb in visual conditions.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climbing right turn to 12000 via LHO VOR/DME R-094 to LHO VOR/DME and right turn via LHO R-012 to ORNEY INT/LHO 12 DME and left turn via LHO R-012 to LHO VOR/DME, thence . . . or for climb in visual conditions, cross Logan-Cache Airport at or above 9000, climb to 12000 via LHO R-077 to LHO VOR/DME, thence . . .

TAKEOFF RUNWAY 35: Climbing left turn to 12000 via LHO VOR/DME R-059 to LHO VOR/DME and right turn via LHO R-012 to ORNEY INT/LHO 12 DME and left turn via LHO R-012 to LHO VOR/DME, thence . . . or for climb in visual conditions, cross Logan-Cache Airport at or above 9000, climb to 12000 via LHO R-077 to LHO VOR/DME, thence . . .

. . . continue climbing in LHO VOR/DME holding pattern to 12000 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS		
CH **72840**	**025°**	Rwy Ldg	**5529**
W02A		TDZE	**3906**
		Apt Elev	**3908**

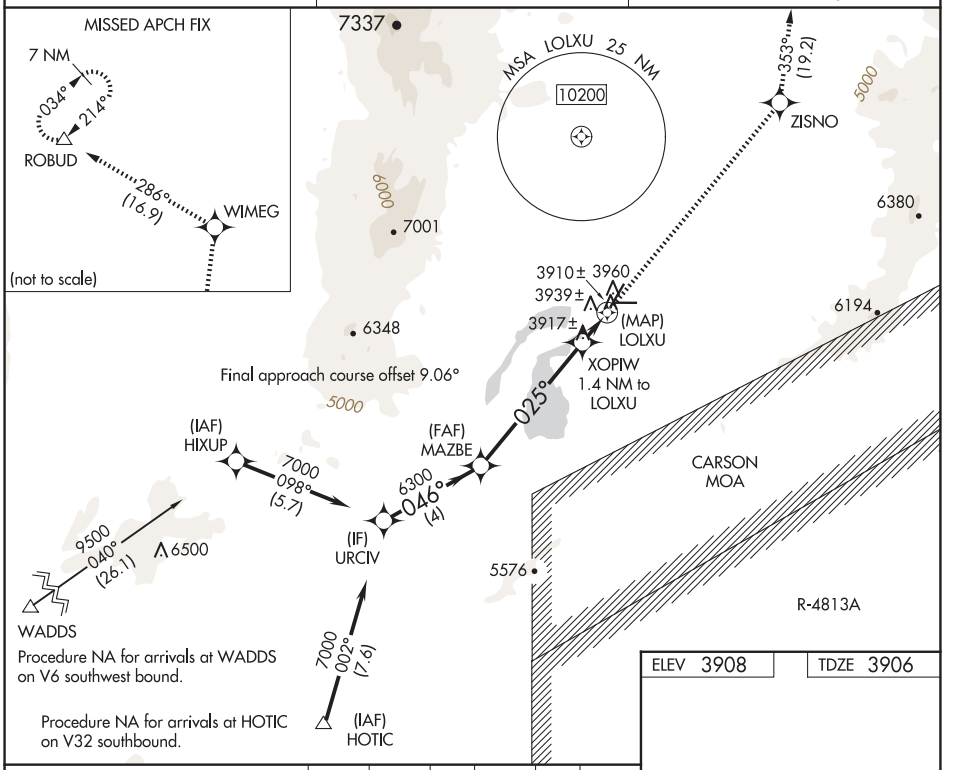
RNAV (GPS) RWY 2

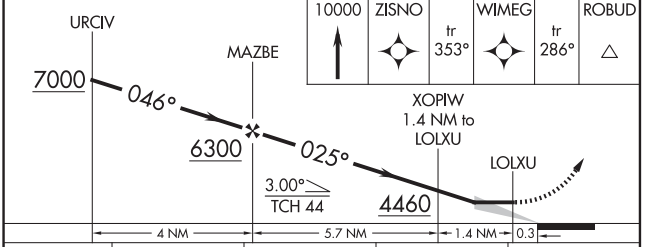
DERBY FLD (LOL)

Circling NA northwest of Rwy 2-20.
DME/DME RNP-0.3 NA.

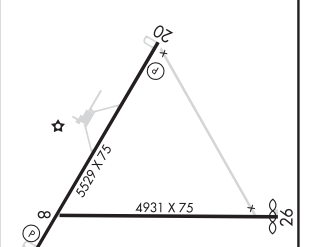
MISSED APPROACH: Climb to 10000 direct ZISNO and on track 353° to WIMEG and on track 286° to ROBUD and hold, continue climb-in-hold to 10000.

ASOS	OAKLAND CENTER	UNICOM
120.675	**128.8 285.5**	**122.8** (CTAF) L





CATEGORY	A	B	C	D
LP MDA		4160-1	254 (300-1)	
LNAV MDA		4200-1	294 (300-1)	
C CIRCLING	4280-1 372 (400-1)	4360-1 452 (500-1)	4540-1¾ 632 (700-1¾)	4680-2½ 772 (800-2½)



REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LOVELOCK, NEVADA | AL-941 (FAA) | 25163

WAAS	APP CRS	Rwy Ldg 5529
CH 78240 W20A	196°	TDZE 3908
		Apt Elev 3908

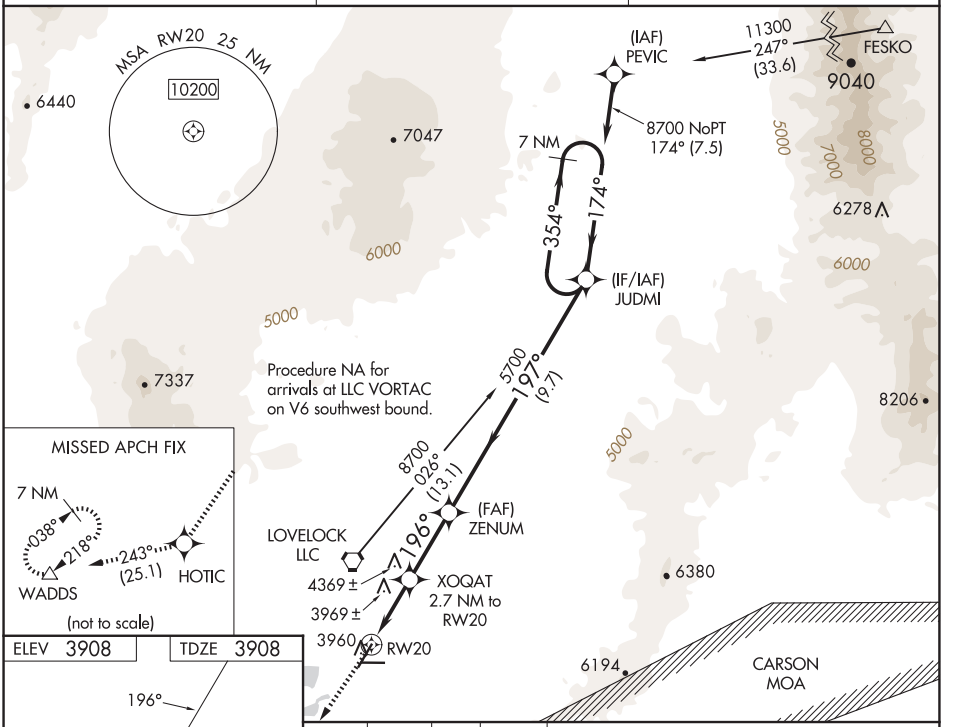
RNAV (GPS) RWY 20

DERBY FLD (LOL)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 52°C (127°F). Circling NA northwest of Rwy 2-20. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 10000 direct HOTIC and on track 243° to WADDS and hold.

ASOS	OAKLAND CENTER	UNICOM
120.675	128.8 285.5	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA		4158-1	250 (300-1)	
LNAV/VNAV DA		4249-1⅛	341 (400-1⅛)	
LNAV MDA	4360-1	452 (500-1)	4360-1⅜	452 (500-1⅜)
C CIRCLING	4360-1	452 (500-1)	4540-1¾ 632 (700-1¾)	4680-2½ 772 (800-2½)

REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L

LOVELOCK, NEVADA
Orig 14SEP17

40°04′N-118°34′W

DERBY FLD (LOL)

RNAV (GPS) RWY 20

SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC LLC	APP CRS	Rwy Ldg	N/A
116.5	153°	TDZE	N/A
Chan 112		Apt Elev	3908

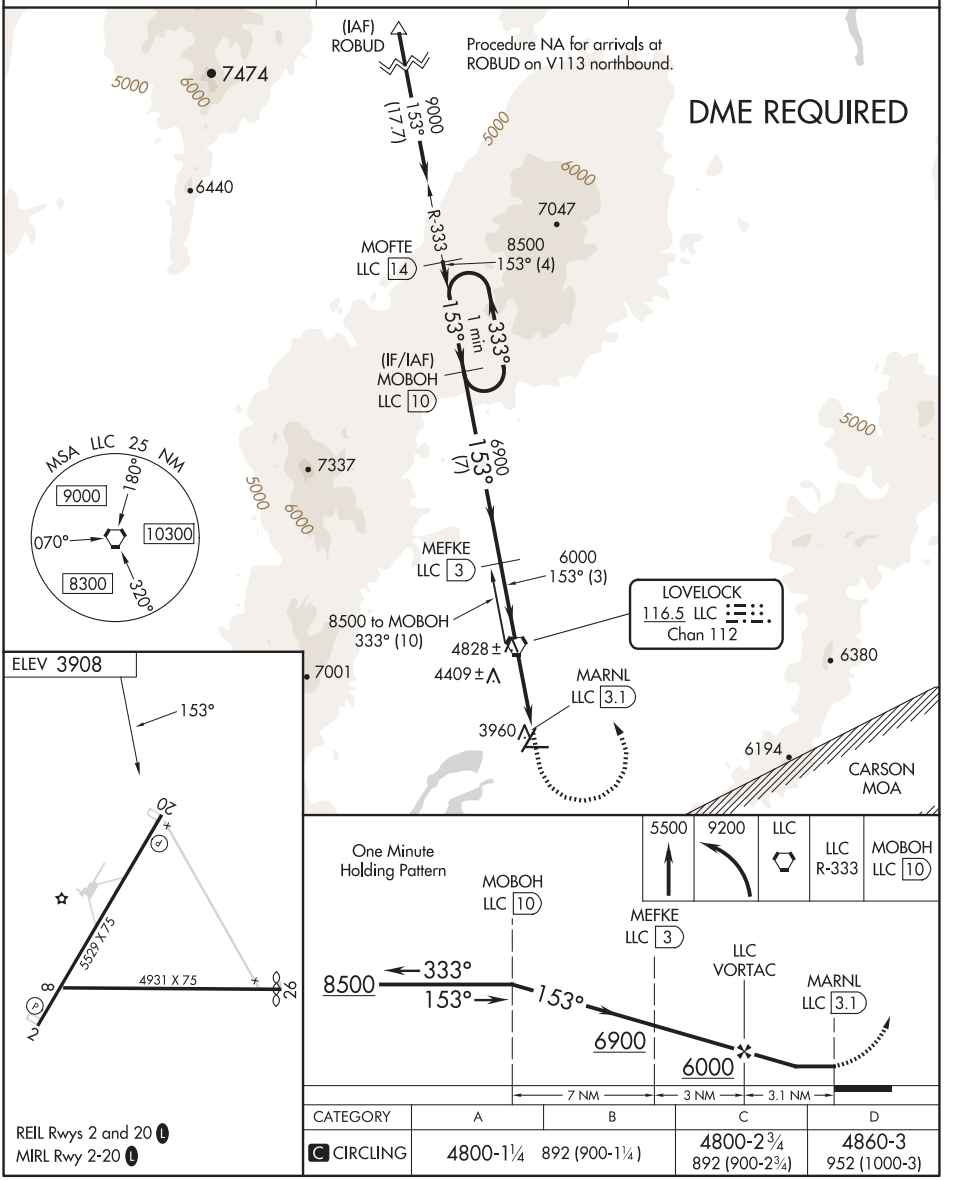
VOR-A

DERBY FLD (LOL)

T A — Circling NA northwest of Rwy 2-20. DME required.

MISSED APPROACH: Climb to 5500 then climbing left turn to 9200 direct LLC VORTAC and on LLC VORTAC R-333 to MOBOH/LLC 10 DME and hold, continue climb-in-hold to 9200.

ASOS	OAKLAND CENTER	UNICOM
120.675	128.8 285.5	122.8 (CTAF) L

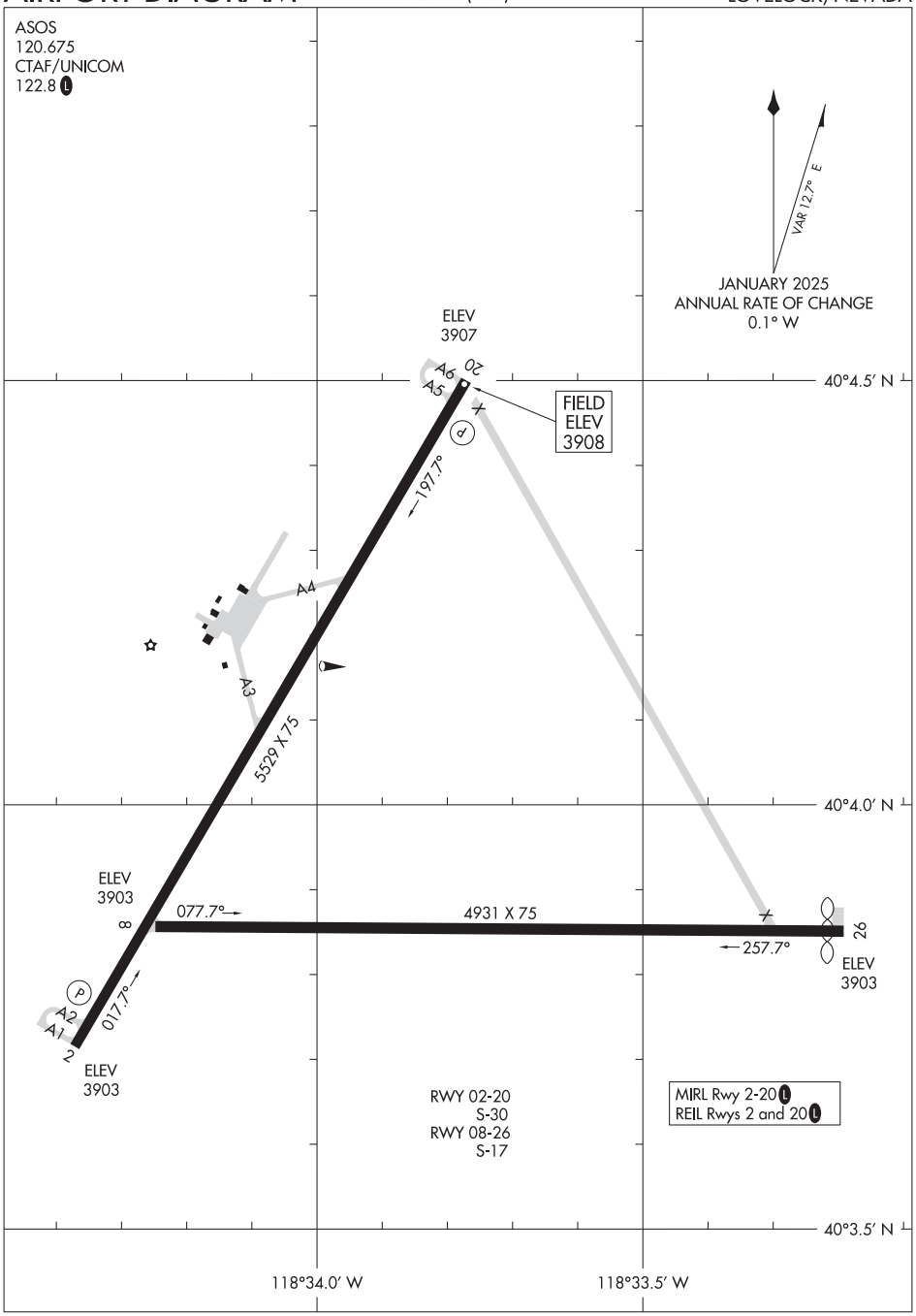


CATEGORY	A	B	C	D
C CIRCLING	4800-1¼	892 (900-1¼)	4800-2¾ 892 (900-2¾)	4860-3 952 (1000-3)

REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107
AIRPORT DIAGRAM
AL-941 (FAA)
DERBY FLD (LOL)
LOVELOCK, NEVADA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	5021
CH 65839	034°	TDZE	5503
W03A		Apt Elev	5516

RNAV (GPS) RWY 3

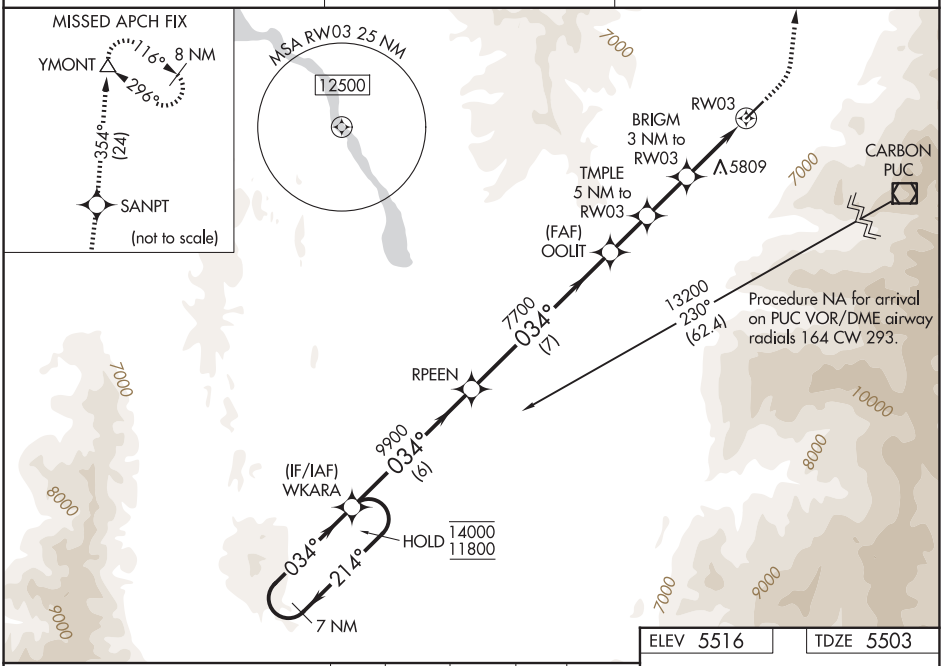
MANTI-EPHRAIM (41U)

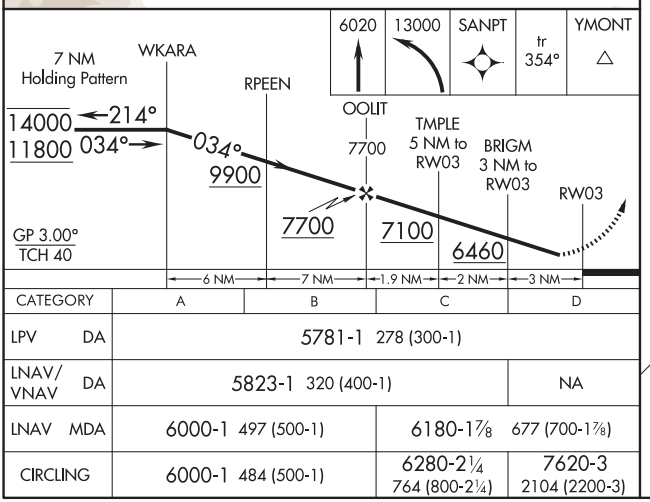
RNP APCH - GPS.

When local altimeter setting not received, procedure NA. Procedure NA at night. Rwy 3 helicopter visibility reduction below 1 SM NA. Circling NA southeast of Rwy 3-21. Baro-VNAV NA.

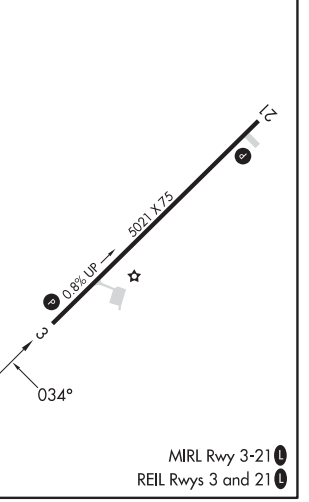
MISSED APPROACH: Climb to 6020 then climbing left turn to 13000 direct SANPT and on track 354° direct YMONT and hold.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.025	133.6 296.25	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	5781-1 278 (300-1)			
LNAV/VNAV DA	5823-1 320 (400-1)			NA
LNAV MDA	6000-1 497 (500-1)		6180-1⅞ 677 (700-1⅞)	
CIRCLING	6000-1 484 (500-1)		6280-2¼ 764 (800-2¼)	7620-3 2104 (2200-3)



MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

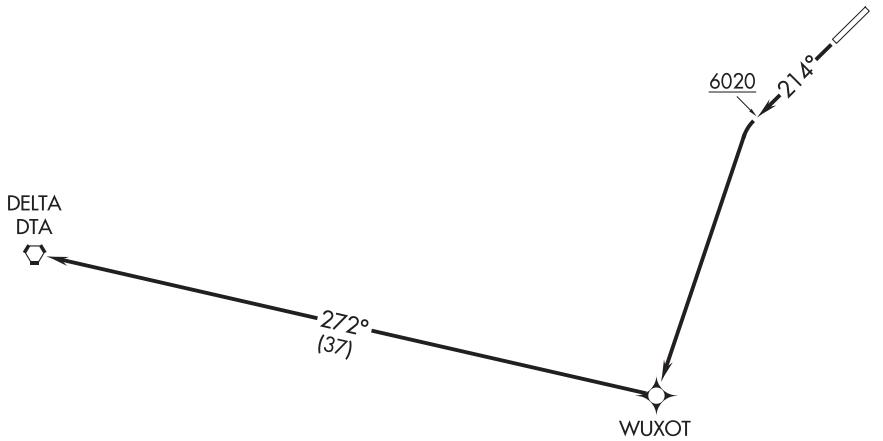
(WUXOT1.DTA) 17173 AL-10960 (FAA)

WUXOT ONE DEPARTURE (OBSTACLE) (RNAV)

MANTI-EPHRAIM (41U)
MANTI, UTAH

AWOS-3PT
120.025
SALT LAKE CENTER
133.6 269.25
CTAF
122.8

TOP ALTITUDE: ASSIGNED BY ATC



NOTE: RNAV-1.

NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 21: Standard with minimum climb of 300′ per NM to 7300.

TAKEOFFF OBSTACLE NOTES

Rwy 21: Vehicles on road 67′ from DER, 518′ right of centerline, up to 5480′ MSL.
Vehicles on road beginning 108′ from DER, left and right of centerline, up to 5493′ MSL.
Tree 996′ from DER, 437′ right of centerline, 62′ AGL/5519′ MSL.
Tree 1122′ from DER, 550′ right of centerline, 82′ AGL/5536′ MSL.
Tree 1313′ from DER, 748′ left of centerline, 65′ AGL/5531′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 21: Climb heading 214° to 6020 then climbing left turn to 10300 direct WUXOT and on track 272° to DTA VORTAC.

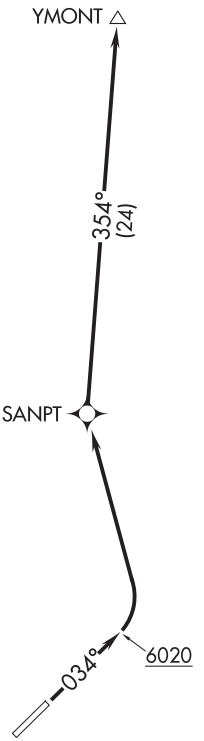
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YMONT ONE DEPARTURE (OBSTACLE) (RNAV)

AWOS-3PT
120.025
SALT LAKE CENTER
133.6 296.25
CTAF
122.8

TOP ALTITUDE: ASSIGNED BY ATC



NOTE: RNAV-1.

NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 340′ per NM to 7000.

TAKEOFF OBSTACLE NOTES

Rwy 3: Rising terrain 7′ from DER, left and right of centerline, up to 5517′ MSL.
Rising terrain 48′ from DER, 324′ right of centerline, 5522′ MSL.
Vehicles on road beginning 115′ from DER, 522′ left of centerline, up to 5526′ MSL.
Vehicles on road and rising terrain beginning 122′ from DER, 212′ right of centerline, up to 5539′ MSL.
Vehicles on road beginning 169′ from DER, 24′ left of centerline, up to 5537′ MSL.
Vehicles on road and rising terrain beginning 225′ from DER, 273′ right of centerline, up to 5543′ MSL.
Trees, bushes, poles and vehicles on road beginning 552′ from DER, 40′ right of centerline, up to 39′ AGL/5568′ MSL.
Pole 1710′ from DER, 630′ right of centerline, 5573′ MSL.
Communication tower 1.9 NM from DER, 3176′ right of centerline, 124′ AGL/5851′ MSL.
Pole 2 NM from DER, 3612′ right of centerline, 5854′ MSL.
Pole 2.1 NM from DER, 3970′ right of centerline, 30′ AGL/5900′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 034° to 6020 then climbing left turn to 13000 direct SANPT then on track 354° to YMONT.

SW-4, 07 AUG 2025 to 02 OCT 2025

MARANA, ARIZONA | AL-10213 (FAA) | 25107

RNAV (GPS) RWY 3

MARANA RGNL (AVQ)

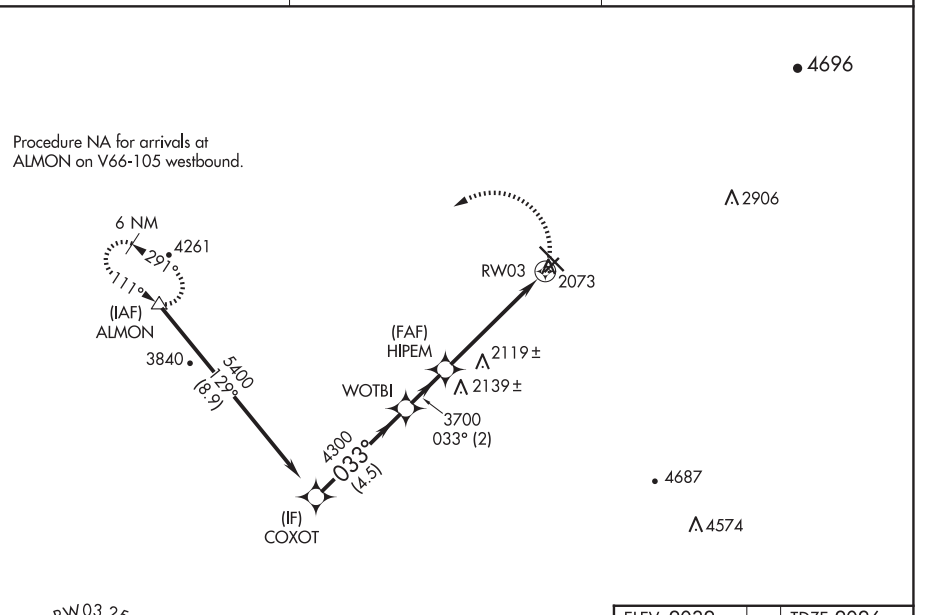
APP CRS	Rwy Idg	3398
033°	TDZE	2026
	Apt Elev	2032

RNP APCH.

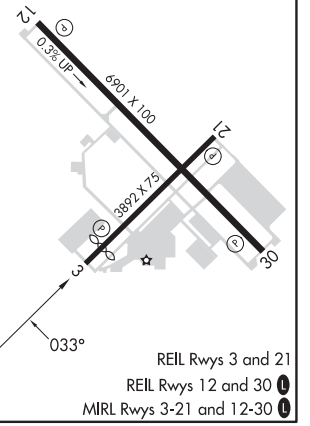
T VDP NA when using Ryan Fld altimeter setting. Rwy 3 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use Ryan Field altimeter setting and increase all MDAs 100 feet and LNAV Cat C visibility ¼ SM.

MISSED APPROACH: Climbing left turn to 6000 direct ALMON and hold, continue climb-in-hold to 6000.

AWOS-3	TUCSON APP CON	UNICOM
118.375	119.4 318.1	123.0 (CTAF) L

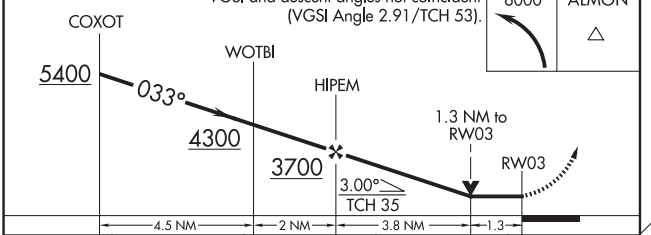


ELEV 2032 | TDZE 2026



VGSI and descent angles not coincident (VGSI Angle 2.91/TCH 53).

6000 | ALMON



CATEGORY	A	B	C	D
LNAV MDA	2480-1 454 (500-1)		2480-1⅜ 454 (500-1⅜)	NA

REIL Rwys 3 and 21
REIL Rwys 12 and 30 L
MIRL Rwys 3-21 and 12-30 L

MARANA, ARIZONA
Orig-C 15AUG19

32°25'N-111°13'W

MARANA RGNL (AVQ)

RNAV (GPS) RWY 3

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	6901
CH 58324	138°	TDZE	2022
W12A		Apt Elev	2032

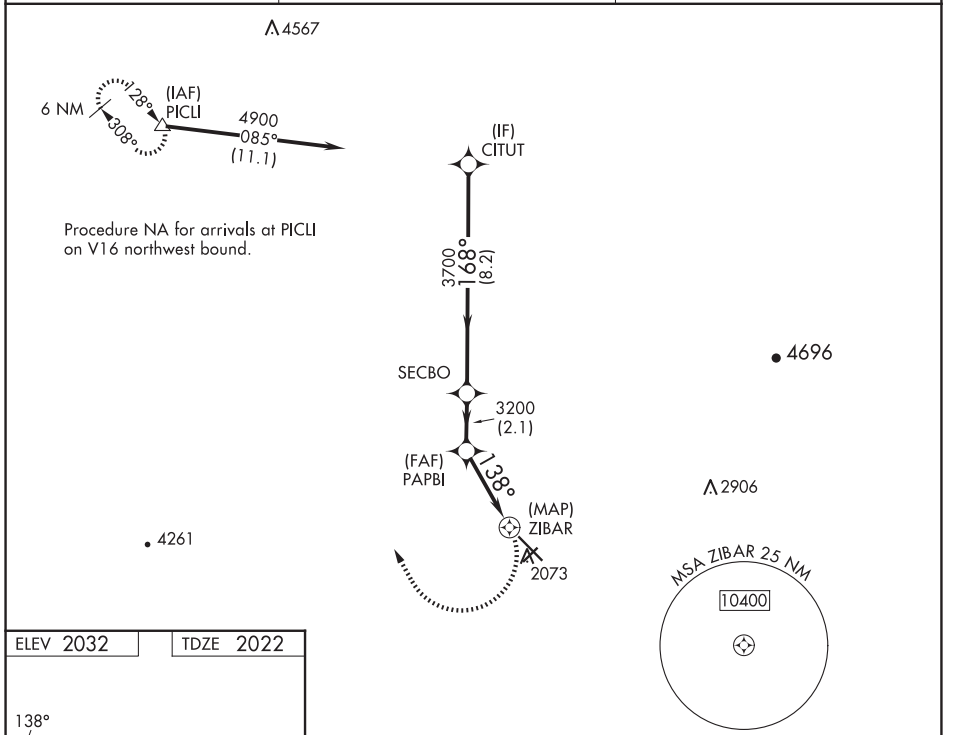
RNAV (GPS) RWY 12

MARANA RGNL (AVQ)

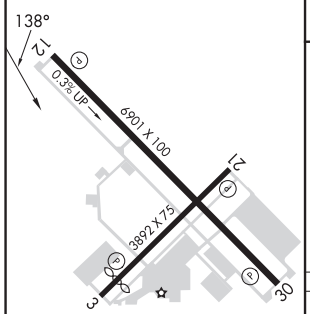
DME/DME RNP-0.3 NA. When local altimeter setting not received, use Ryan Fld altimeter setting and increase all MDA 100 feet, increase LP and LNAV Cat C visibility ¼ SM and Circling Cat C visibility ½ SM.

MISSED APPROACH: Climbing right turn to 6500 direct PICLI and hold, continue climb-in-hold to 6500.

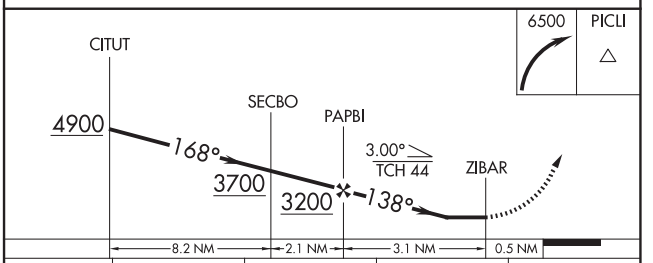
AWOS-3	TUCSON APP CON	UNICOM
118.375	119.4 318.1	123.0 (CTAF) L



ELEV 2032 | TDZE 2022



REIL Rwys 3 and 21
REIL Rwys 12 and 30 L
MIRL Rwys 3-21 and 12-30 L



CATEGORY	A	B	C	D
LP MDA	2420-1	398 (400-1)	2420-1⅛ 398 (400-1⅛)	NA
LNAV MDA	2440-1	418 (500-1)	2440-1¼ 418 (500-1¼)	NA
CIRCLING	2440-1 408 (500-1)	2540-1 508 (600-1)	2680-1¾ 648 (700-1¾)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

MARANA, ARIZONA | AL-10213 (FAA) | 25107

RNAV (GPS) RWY 21

MARANA RGNL (AVQ)

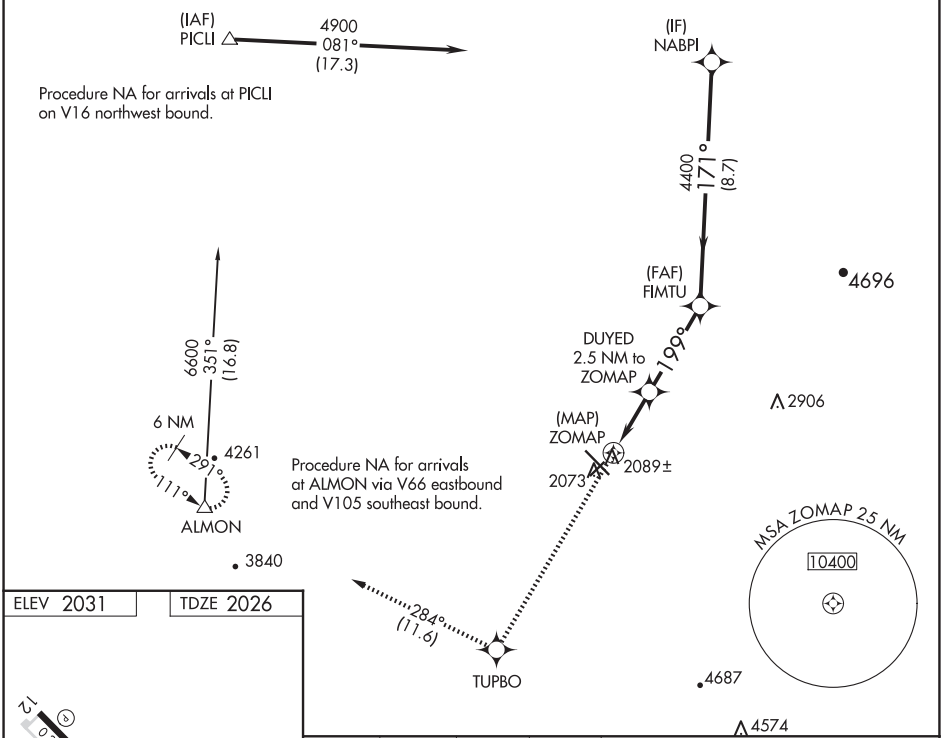
WAAS	APP CRS	Rwy Idg	3892
CH 56325	199°	TDZE	2026
W21A		Apt Elev	2031

RNP APCH.

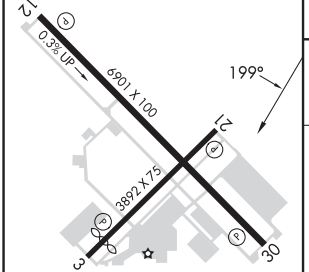
T A NA — Rwy 21 helicopter visibility reduction below 1 SM NA. When local altimeter setting not received, use Ryan Fld altimeter setting and increase all MDAs 100 feet, increase LP Cat C visibility ⅛ SM and increase LNAV Cat C visibility ¼ SM.

MISSED APPROACH: Climb to 6700 direct TUPBO and on track 284° to ALMON and hold, continue climb-in-hold 6700.

AWOS-3	TUCSON APP CON	UNICOM
118.375	119.4 318.1	123.0 (CTAF) L



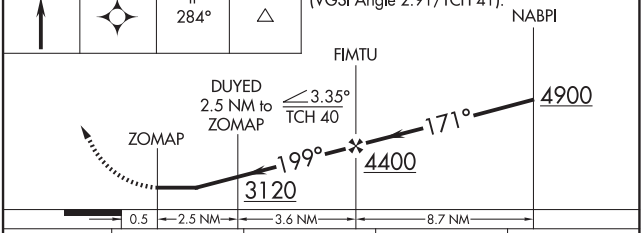
ELEV 2031 | TDZE 2026



REIL Rwys 3 and 21
REIL Rwys 12 and 30 L
MIRL Rwys 3-21 and 12-30 L

6700	TUPBO	tr 284°	ALMON

VGSI and descent angles not coincident (VGSI Angle 2.91/TCH 41).



CATEGORY	A	B	C	D
LP MDA	2340-1 314 (400-1)			NA
LNAV MDA	2640-1 614 (700-1)		2640-1¾ 614 (700-1¾)	NA

MARANA, ARIZONA
Amdt 1C 15AUG19

32°25'N-111°13'W

MARANA RGNL (AVQ)

RNAV (GPS) RWY 21

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS)-E

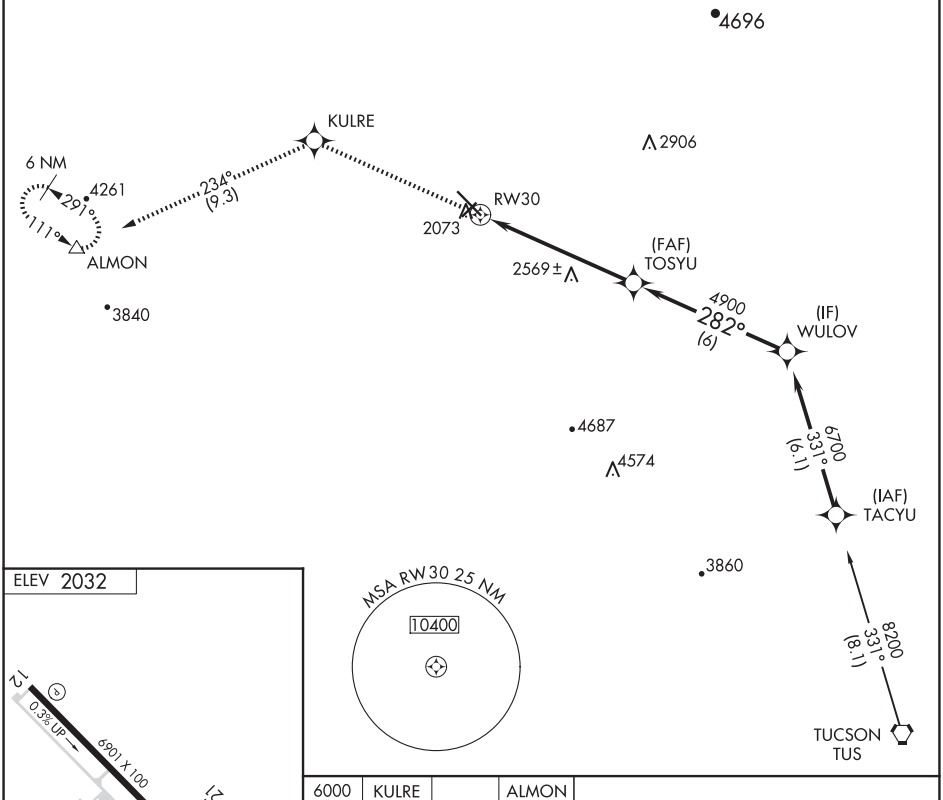
MARANA RGNL (AVQ)

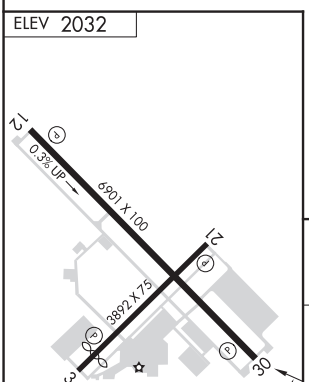
APP CRS	Rwy Idg	N/A
282°	TDZE	N/A
	Apt Elev	2032

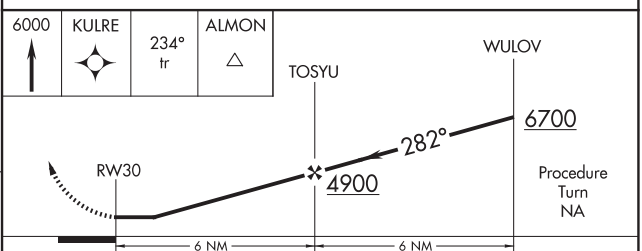
When local altimeter setting not received, use Ryan Fld altimeter setting and increase all MDAs 100 feet and increase Circling Cat A visibility ¼ SM and Cat C ½ SM. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 6000 direct KULRE and 234° track to ALMON and hold, continue climb-in-hold to 6000.

AWOS-3	TUCSON APP CON	UNICOM
118.375	119.4 318.1	123.0 (CTAF) L







REIL Rwys 3 and 21
REIL Rwys 12 and 30 L
MIRL Rwys 3-21 and 12-30 L

CATEGORY	A	B	C	D
C CIRCLING	2820-1 788 (800-1)	2820-1¼ 788 (800-1¼)	2820-2¼ 788 (800-2¼)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

MESA, ARIZONA | AL-6647 (FAA) | 25219

RNAV (GPS) RWY 4L

FALCON FLD (FFZ)

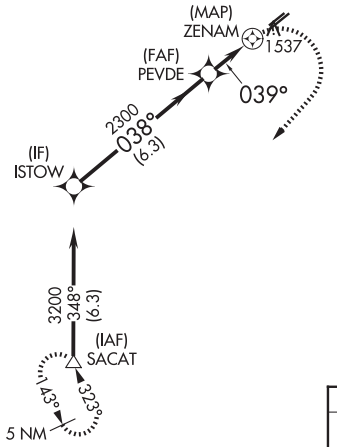
WAAS	APP CRS	Rwy Ldg	3799
CH 56625	039°	TDZE	1383
W04A		Apt Elev	1394

RNP APCH.

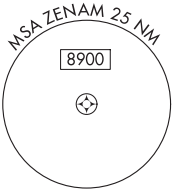
Rwy 4L helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 5000 direct SACAT and hold, continue climb-in-hold to 5000.

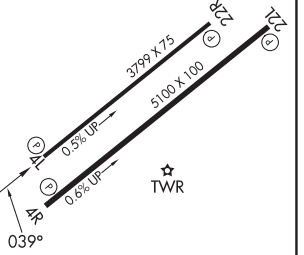
ATIS	PHOENIX APP CON	FALCON TOWER ★	GND CON	UNICOM
118.25	120.7 239.0	124.6 (CTAF) L	121.3	122.95



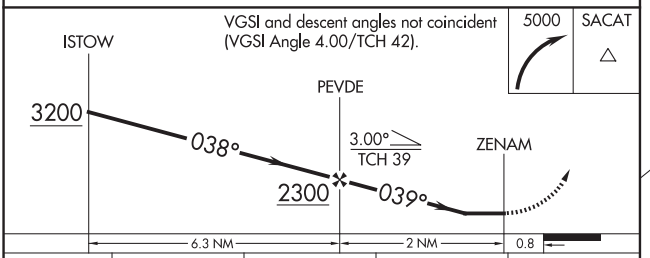
Procedure NA for arrivals at SACAT on V16 southeast bound.



ELEV 1394 | TDZE 1383



REIL Rwys 4L, 4R, 22L and 22R
MIRL Rwy 4L-22R and 4R-22L L



CATEGORY	A	B	C	D
LP MDA	1780-1	397 (400-1)	1780-1⅛ 397 (400-1⅛)	NA
LNAV MDA	1800-1	417 (500-1)	1800-1⅛ 417 (500-1⅛)	NA

MESA, ARIZONA
Amdt 1D 12AUG21

33°28'N-111°44'W

FALCON FLD (FFZ)

RNAV (GPS) RWY 4L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 4R

FALCON FLD (FFZ)

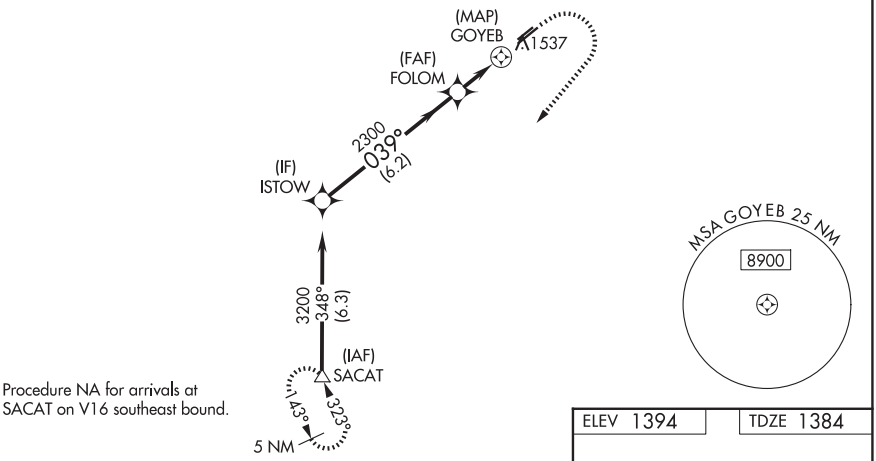
WAAS	APP CRS	Rwy Ldg	5100
CH 90525	039°	TDZE	1384
W04B		Apt Elev	1394

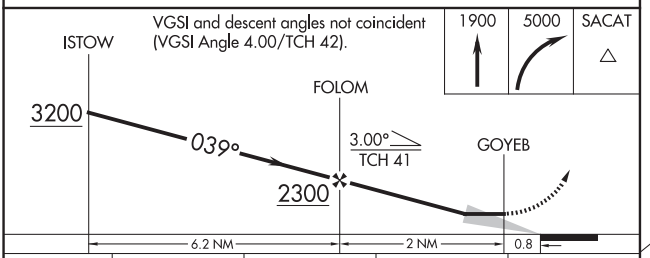
RNP APCH.

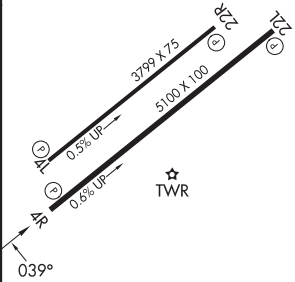
T A Circling to Rwy 22L, 22R NA at night. Circling NA for Cat C southeast of Rwys 4R and 22L.

MISSED APPROACH: Climb to 1900 then climbing right turn to 5000 direct SACAT and hold, continue climb-in-hold to 5000.

ATIS	PHOENIX APP CON	FALCON TOWER ★	GND CON	UNICOM
118.25	120.7 239.0	124.6 (CTAF) L	121.3	122.95







CATEGORY	A	B	C	D
LP MDA	1680-1 296 (300-1)			NA
LNAV MDA	1800-1 416 (500-1)		1800-1⅛ 416 (500-1⅛)	NA
CIRCLING	1860-1 466 (500-1)	1980-1 586 (600-1)	2040-1¾ 646 (700-1¾)	NA

REIL Rwys 4R, 4L, 22L and 22R
MIRL Rwy 4L-22R and 4R-22L L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

MESA, ARIZONA | AL-6647 (FAA) | 25219

APP CRS	Rwy Ldg	N/A
122°	TDZE	N/A
	Apt Elev	1394

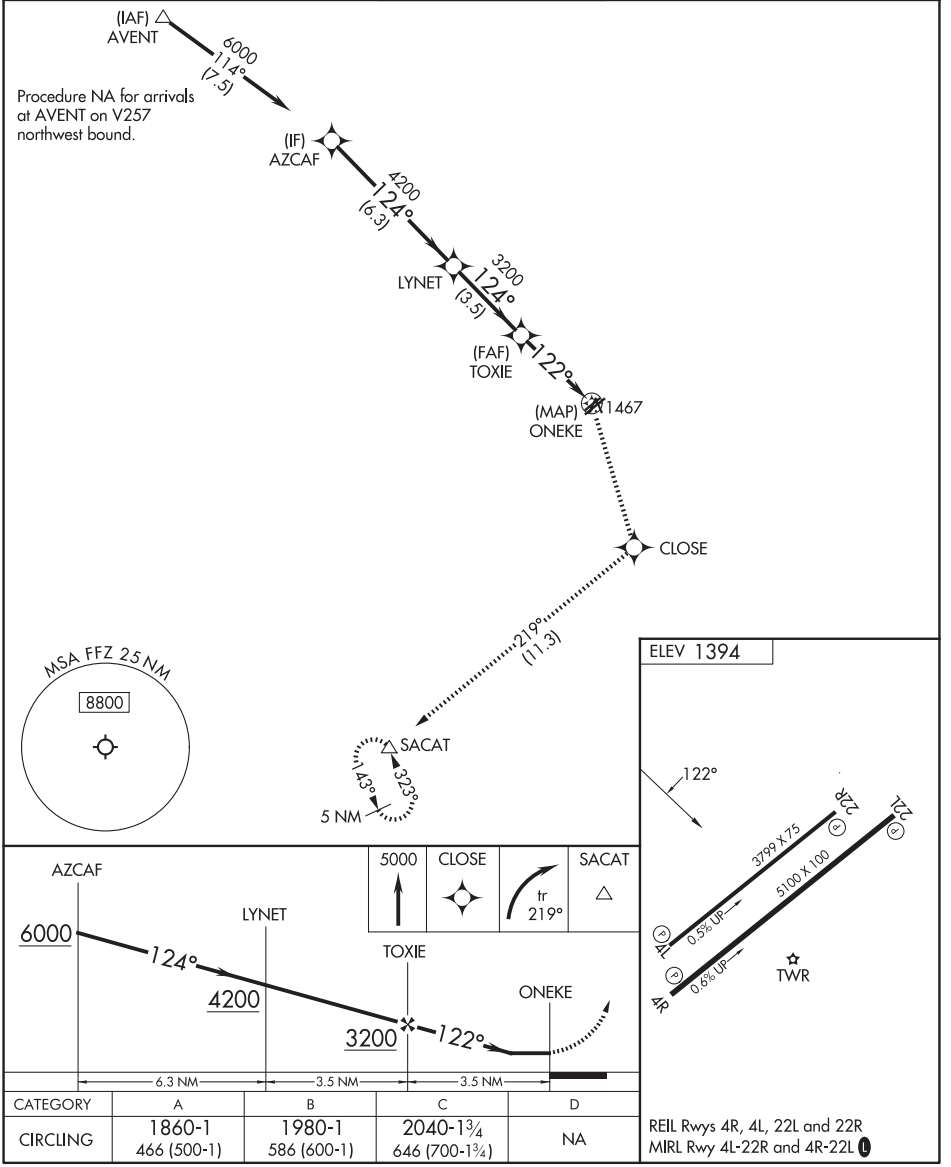
RNAV (GPS)-B
FALCON FLD (FFZ)

RNP APCH.

Circling Rwy 22L, 22R NA at night. Circling NA for Cat C southeast of Rwy 4R-22L.

MISSED APPROACH: Climb to 5000 direct CLOSE and right turn on track 219° to SACAT and hold, continue climb-in-hold to 5000.

ATIS	PHOENIX APP CON	FALCON TOWER ★	GND CON	UNICOM
118.25	120.7 239.0	124.6 (CTAF) L	121.3	122.95



CATEGORY	A	B	C	D
CIRCLING	1860-1 466 (500-1)	1980-1 586 (600-1)	2040-1¾ 646 (700-1¾)	NA

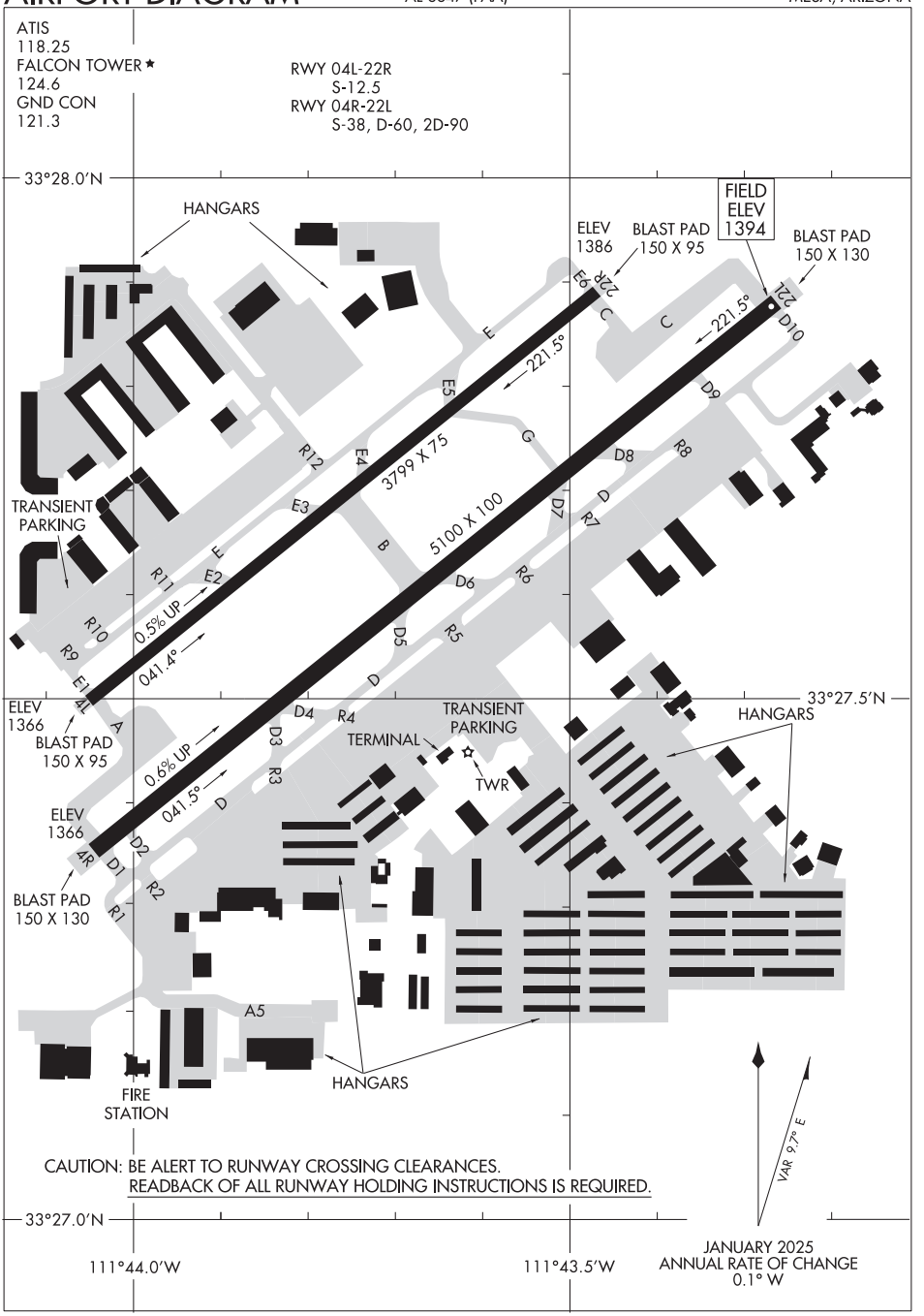
REIL Rwys 4R, 4L, 22L and 22R
MIRL Rwy 4L-22R and 4R-22L L

MESA, ARIZONA
Amdt 1 12AUG21

33°28'N-111°44'W

FALCON FLD (FFZ)
RNAV (GPS)-B

SW-4, 07 AUG 2025 to 02 OCT 2025



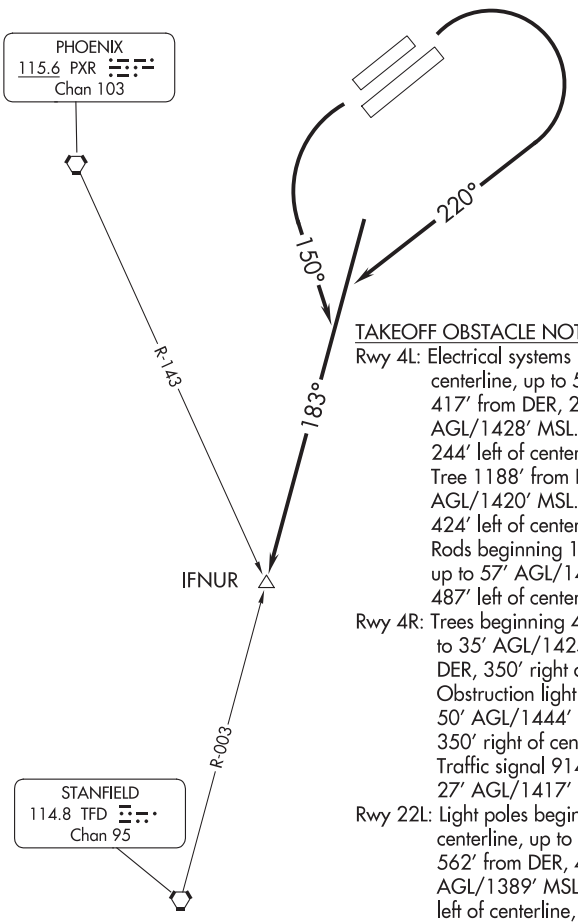
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(MESA1.MESA) 23334

MESA ONE DEPARTURE (OBSTACLE)

AL-6647 (FAA)

FALCON FLD (FFZ)
MESA, ARIZONA



NOTE: Chart not to scale.

TAKEOFF OBSTACLE NOTES

Rwy 4L: Electrical systems beginning 248′ from DER, 416′ left of centerline, up to 50′ AGL/1430′ MSL. Light poles 417′ from DER, 29′ left of centerline, up to 48′ AGL/1428′ MSL. Trees beginning 418′ from DER, 244′ left of centerline, up to 40′ AGL/1423′ MSL. Tree 1188′ from DER, 155′ right of centerline, 40′ AGL/1420′ MSL. Obstruction light 1314′ from DER, 424′ left of centerline, 54′ AGL/1434′ MSL. Rods beginning 1236′ from DER, 424′ left of centerline, up to 57′ AGL/1437′ MSL. Windsock 1523′ from DER, 487′ left of centerline, 34′ AGL/1414′ MSL.

Rwy 4R: Trees beginning 412′ from DER, 15′ left of centerline, up to 35′ AGL/1425′ MSL. Light poles beginning 513′ from DER, 350′ right of centerline, up to 51′ AGL/1441′ MSL. Obstruction light 531′ from DER, 583′ right of centerline, 50′ AGL/1444′ MSL. Trees beginning 585′ from DER, 350′ right of centerline, up to 40′ AGL/1460′ MSL. Traffic signal 914′ from DER, 68′ left of centerline, 27′ AGL/1417′ MSL.

Rwy 22L: Light poles beginning 256′ from DER, 421′ right of centerline, up to 24′ AGL/1384′ MSL. Windmill 562′ from DER, 457′ right of centerline, 39′ AGL/1389′ MSL. Light pole 1206′ from DER, 510′ left of centerline, 38′ AGL/1398′ MSL.

Rwy 22R: Light poles beginning 297′ from DER, 65′ right of centerline, up to 43′ AGL/1403′ MSL. Trees beginning 369′ from DER, 127′ right of centerline, up to 25′ AGL/1385′ MSL.

TAKEOFF MINIMUMS

Rwys 22L/R: Standard.
Rwy 4L: Standard with minimum climb of 480′ per NM to 3600 or 1100-3 for climb in visual conditions.
Rwy 4R: Standard with minimum climb of 495′ per NM to 3600 or 1100-3 for climb in visual conditions.

DEPARTURE ROUTE DESCRIPTION

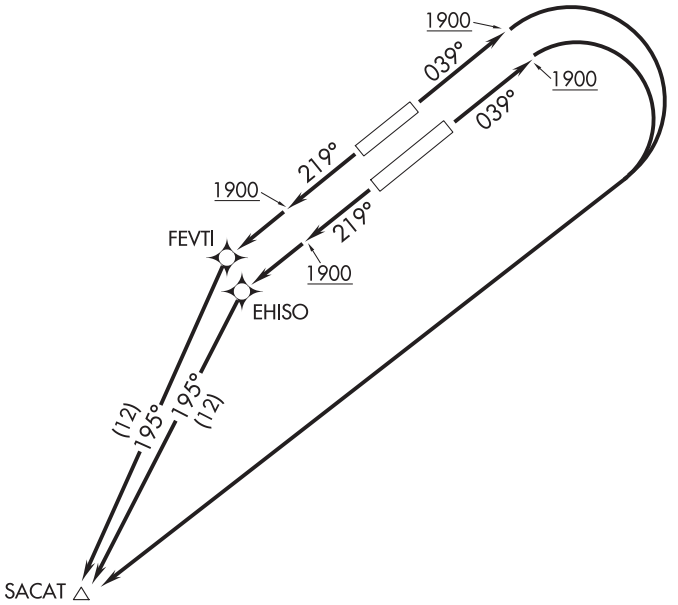
TAKEOFF RUNWAYS 4L/4R: Climbing right turn to 5000 heading 220° and TFD VORTAC R-003 to IFNUR INT or for climb in visual condition, cross Falcon Field Airport at or above 2300 then climb to 5000 via TFD R-003 to IFNUR INT, expect filed altitude 10 minutes after departure.

TAKEOFF RUNWAYS 22L/22R: Climbing left turn to 5000 heading 150° and TFD VORTAC R-003 to IFNUR INT, expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

FALCON TOWER ★
124.6
PHOENIX DEP CON
120.7 239.0

TOP ALTITUDE: ASSIGNED BY ATC



TAKEOFF MINIMUMS
Rwys 22L/R: Standard.
Rwy 4L: Standard with minimum climb of 510′ per NM to 4300.
Rwy 4R: Standard with minimum climb of 525′ per NM to 4200.

NOTE: GPS required.
NOTE: RNAV 1.
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 4L/4R: Climb heading 039° to 1900 then climbing right turn direct SACAT. Thence. . . .

TAKEOFF RUNWAY 22L: Climb heading 219° to 1900 then direct EHISO then on track 195° to SACAT. Thence. . . .

TAKEOFF RUNWAY 22R: Climb heading 219° to 1900 then direct FEVTI then on track 195° to SACAT. Thence. . . .

. . . .maintain 5000, expect clearance to filed altitude/flight level 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

MESQUITE, NEVADA | AL-9014 (FAA) | 25163

WAAS	APP CRS	Rwy Ldg	5121
CH 69641	023°	TDZE	1936
W02A		Apt Elev	1978

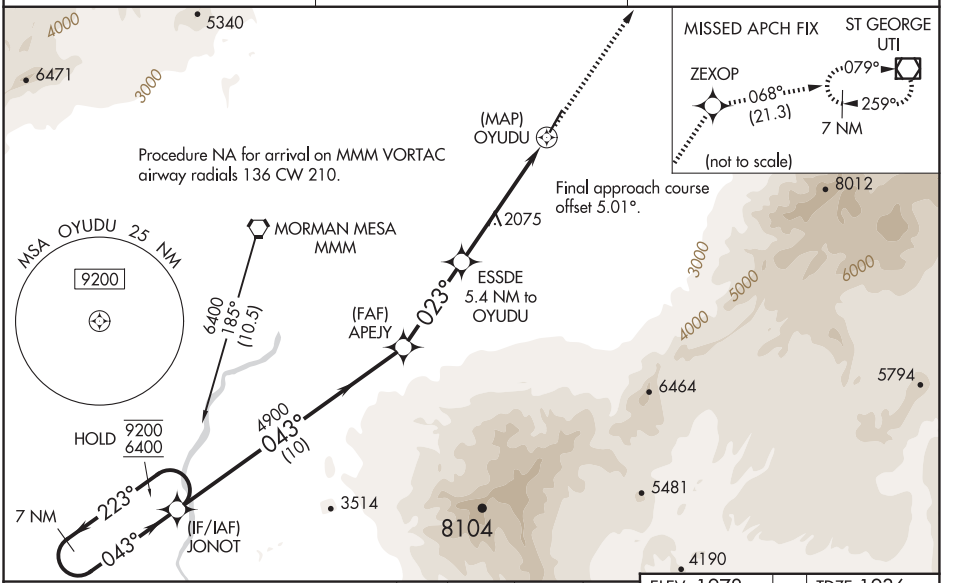
RNAV (GPS) RWY 2
MESQUITE (67L)

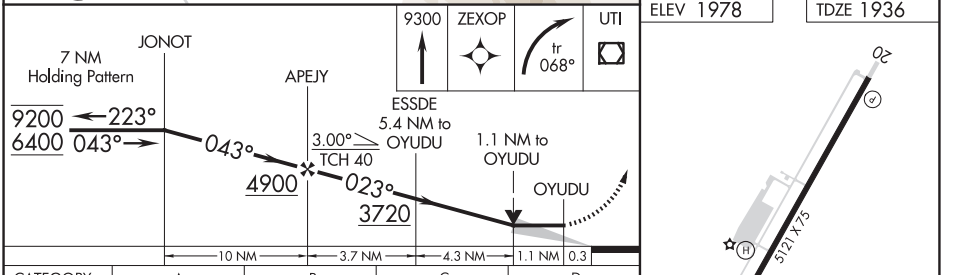
RNP APCH.

VDP NA when using St George altimeter setting. When local altimeter setting not received, use St. George altimeter setting and increase all MDAs 200 feet and LP* and LNAV* Cats C/D visibility ⅝ SM. Circling NA for Cat D west of Rwy 2-20. Circling Rwy 20 NA at night.

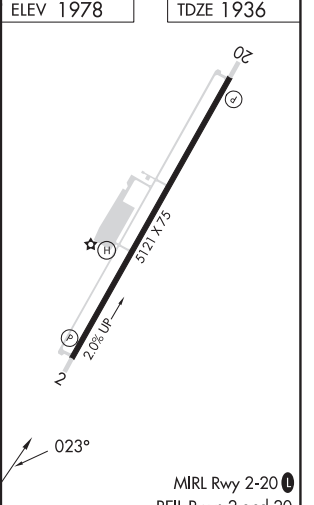
MISSED APPROACH: Climb to 9300 direct ZEXOP and climbing right turn on track 068° to UTI VOR/DME and hold, continue climb-in-hold to 9300.
*Missed approach requires minimum climb of 258 feet per NM to 6200.

AWOS-2	LOS ANGELES CENTER	UNICOM
118.525	124.2 343.6	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA*	2340-1 404 (400-1)		2340-1⅛ 404 (400-1⅛)	
LP MDA	3080-1¼ 1144 (1200-1¼)	3080-1½ 1144 (1200-1½)	3080-3 1144 (1200-3)	
LNAV MDA*	2340-1 404 (400-1)		2340-1⅛ 404 (400-1⅛)	
LNAV MDA	3140-1¼ 1204 (1200-1¼)	3140-1½ 1204 (1200-1½)	3140-3 1204 (1200-3)	
C CIRCLING	3140-1¼ 1162 (1200-1¼)	3140-1½ 1162 (1200-1½)	3140-3 1162 (1200-3)	



MESQUITE, NEVADA
Amdt 1 10OCT19

36°50'N-114°03'W

MESQUITE (67L)
RNAV (GPS) RWY 2

SW-4, 07 AUG 2025 to 02 OCT 2025

DUGWAY PROVING GROUND, UTAH

RNAV (GPS) RWY 12

APCH CRS 122° | Rwy ldg 10,000 | TDZE 4344 | Arpt Elev 4351

[USA]

MICHAEL AAF (KDPG)

* Obtain local altimeter setting on CTAF; when not received, use Wendover altimeter setting.
NA DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 4760 then climbing right turn to 8500 direct ETUBY and hold, continue climb in hold to 8500.

CLOVER CON
134.1 363.5

CTAF
126.2 270.3

Procedure lies within R-6402A, PPR.

Knots	60	120	180	240	300	360
V/V(fpm)	337	674	1011	1348	1685	2022

Min climb of 337 ft/NM to 6000 - Controlling Obstacle Unk

(IAF) BONNEVILLE BVL

6894

8500 NoPT 115° (34.2)

CEVAR

9100 192° (27.5)

R-6405

R-6406B

6000 8000 10,000

10,981

Procedure NA for arrivals on DTA VORTAC airways radials R-348 CW R-008.

R-6406A

5306

122°

7 NM

4348

302°

(IF/IAF) ETUBY

6100 (9) 122°

5906

5194

4463

R-6402B

4469

(FAF) UWOZO

4597

HISUK

4379

R-6407

MSA HISUK 25 NM 12,200

5595

R-6402A

9600 322° (71.2)

DELTA DTA

VDP NA with Wendover altimeter setting minimums. VGSI and descent angles not coincident

4760 | 8500 | ETUBY

7 NM Holding Pattern

ETUBY

302°

8500

122°

122°

UWOZO

HISUK

6100

3.00° TCH 55

4.6 NM 0.8

ELEV 4351 | TDZE 4344

122°

Rwy 12 ldg 10,000′
Rwy 30 ldg 9998′

11,000 x 150

TWR 4435

HIRL Rwy 12-30

4482

CATEGORY	A	B	C	D	E
LNAV MDA	4640-1 294 (300-1)		5140-2½ 794 (800-2½)		
C CIRCLING	4800-1 449 (500-1)	4920-1 569 (600-1)	5160-2½ 809 (900-2½)	5880-3 1529 (1600-3)	NA
BELOW MINIMA REQUIRES MISSED APPROACH CLIMB GRADIENT of 337 ft/NM					
LNAV MDA	NA		4640-1 294 (300-1)		
*WENDOVER ALTIMETER SETTING MINIMUMS					
LNAV MDA	4800-1 454 (500-1)		5300-3 954 (1000-3)		
C CIRCLING	4960-1 609 (700-1)	5080-1 729 (800-1)	5320-3 969 (1000-3)	6040-3 1689(1700-3)	NA
BELOW MINIMA REQUIRES MISSED APPROACH CLIMB GRADIENT of 337 ft/NM					
LNAV MDA	NA		4800-3 454 (500-3)		

DUGWAY PROVING GROUND, UTAH

40°12′N-112°56′W

MICHAEL AAF (KDPG)

Amdt 2 30MAR17

RNAV (GPS) RWY 12

SW-4, 07 AUG 2025 to 02 OCT 2025

DUGWAY PROVING GROUND, UTAH

TACAN RWY 12

TACAN	APCH CRS	Rwy ldg	10,000
MIJ Chan 79	117°	TDZE	4344
		Arpt Elev	4351

[USA]

MICHAEL AAF (KDPG)

T *When ALS Inop, increase CAT CDE vis to 1⅜ miles.
**When ALS Inop, increase CAT B vis to 1¼ miles; CAT CDE vis to 2½ miles.
***When ALS Inop, increase CAT CDE vis to 1¾ miles.

MISSED APPROACH: Climbing right turn to 8800 via MIJ TACAN R-297 to POISN/MIJ 23 DME and hold.

CLOVER CON
134.1 363.5

CTAF
126.2 270.3

Knots	60	120	180	240	300	360
V/V(fpm)	315	630	945	1260	1575	1890

Min climb of 315 ft/NM to 7000 - Controlling Obstacle Unk

† Missed Approach requires a minimum climb of 315ft per NM to 7000.

255° 230K 075° HOLD 17,500 9000
6500 118° (26.9)
R-255
R6406A
R6406B
R6402A
R6402B
**** When ALS Inop, increase CAT A vis to 1¼ miles; CAT B vis to 1½ miles; CAT CDE vis to 3 miles.

IAF
BONNEVILLE
112.3 BVL
Chan 70
8800

MIJ 31
R-297 117° 297° 117° 6500 Mort (15)

(IF)
POISN
MIJ 23

10,981
8000
10,000
6000
7071
4467
4473
8300 297° (8)
5142
4597
9023

072° 252° (IAF)
CUCAP
MIJ 8

ZUSAD
MIJ 2
4379

11,300 257° (22.9)
R-077
VERNE

Procedure NA for arrival on BVL VORTAC via V200 southwest bound without holding at BONNEVILLE. ATC clearance required.
Procedure lies within R-6402A, PPR.

MICHAEL
Chan 79 MIJ

8300 356° (20.5)
R-310
KUDME
R-176 9600 310° (39.9)
5847

DELTA
116.1 DTA
Chan 108

MSA MIJ 25 NM
180°
9200
090°
12,200
270°
8400
10,400
360°

ELEV 4351 TDZE 4344
Rwy 12 ldg 10,000'
Rwy 30 ldg 9998'

Remain within 15 NM
CUCAP MIJ 8
VGSI and descent angles not coincident.
297°
8300
117°
6500
3.00°
TCH 55
ZUSAD MIJ 2
MIJ TACAN
6.0 NM
0.6

8800
MIJ R-297
POISN MIJ 23

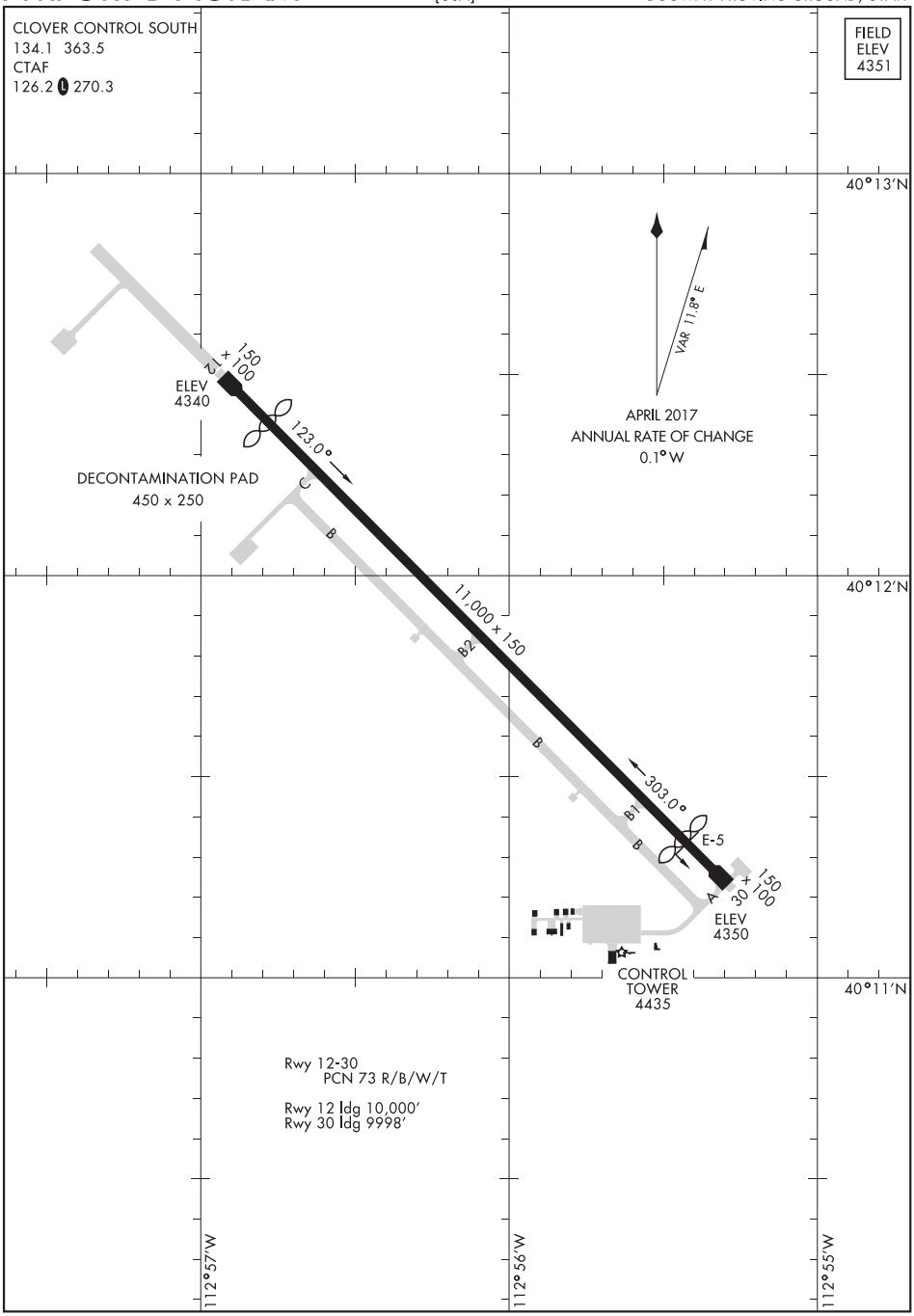
117°
15
11,000 x 150
TWR 4435

CATEGORY	A	B	C	D	E
S-12*†	4800-1		456	(500-1)	
S-12**	5160-1 816 (900-1)		5160-2 816 (900-2)		
C CIRCLING	5160-1 809 (900-1)	5160-1¼ 809 (900-1¼)	5160-2½ 809 (900-2½)	5880-3 1529 (1600-3)	6120-3 1769 (1800-3)
KENV – ENV (WENDOVER) ALTIMETER SETTING MINIMUMS					
S-12***†	4960-1 616 (700-1)		4960-1½ 616 (700-1½)		
S-12****	5320-1 976 (1000-1)	5320-1¼ 976(1000-1¼)	5320-2½ 976 (1000-2½)		
C CIRCLING	5320-1¼ 969(1000-1¼)	5320-1½ 969(1000-1½)	5320-3 969 (1000-3)	6040-3 1689(1700-3)	6280-3 1929 (2000-3)

HIRL Rwy 12-30 L

40°12'N-112°56'W

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 16

MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF)

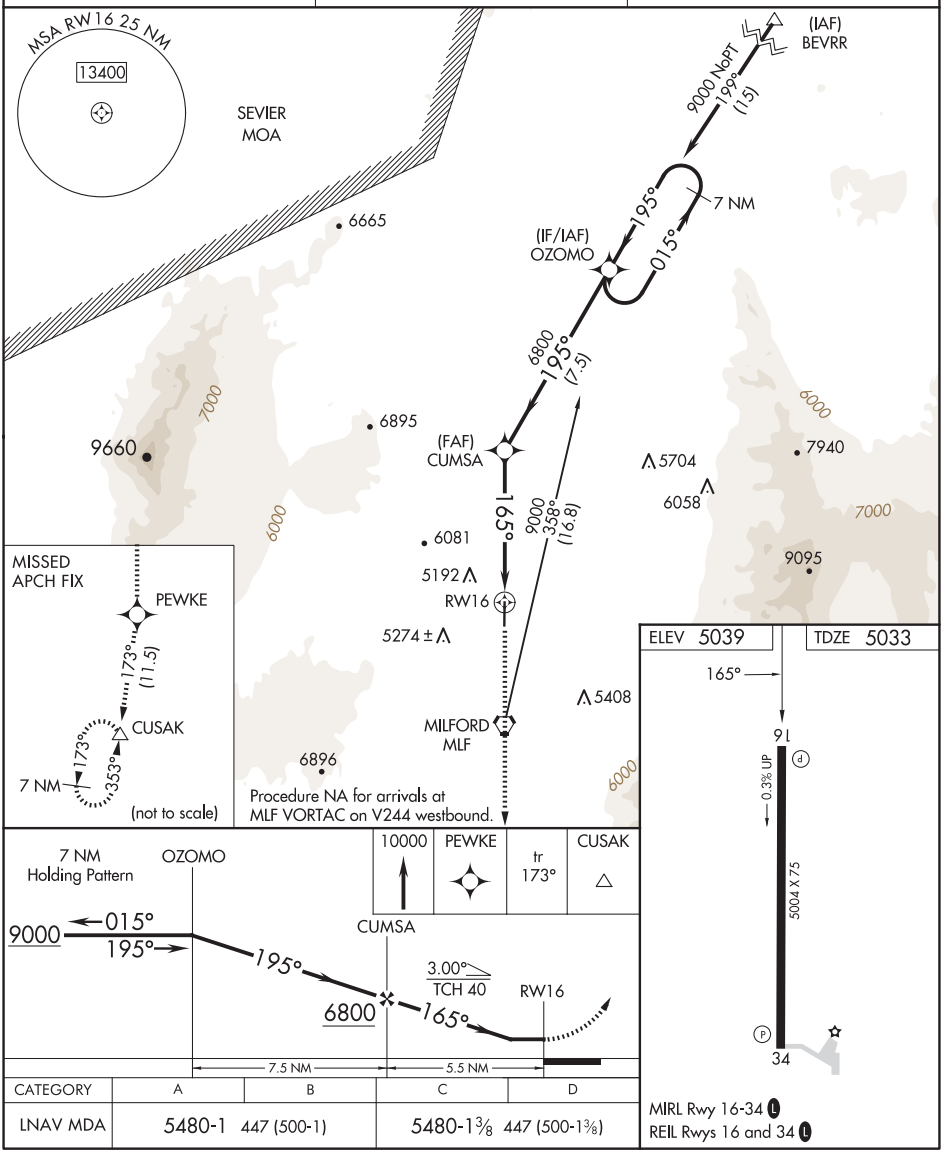
APP CRS	Rwy Ldg	5004
165°	TDZE	5033
	Apt Elev	5039

RNP APCH.

T A -27°C When local altimeter setting not received, use Cedar City altimeter setting and increase all MDA 200 feet and increase LNAV Cat C/D visibility ½ mile.

MISSED APPROACH: Climb to 10000 direct PEWKE and on track 173° to CUSAK and hold.

ASOS	SALT LAKE CENTER	UNICOM
135.025	125.575 379.275	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	5480-1 447 (500-1)		5480-1⅜ 447 (500-1⅜)	

MIRL Rwy 16-34 L
REIL Rwys 16 and 34 L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 34

MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF)

APP CRS	Rwy Ldg	5004
345°	TDZE	5039
	Apt Elev	5039

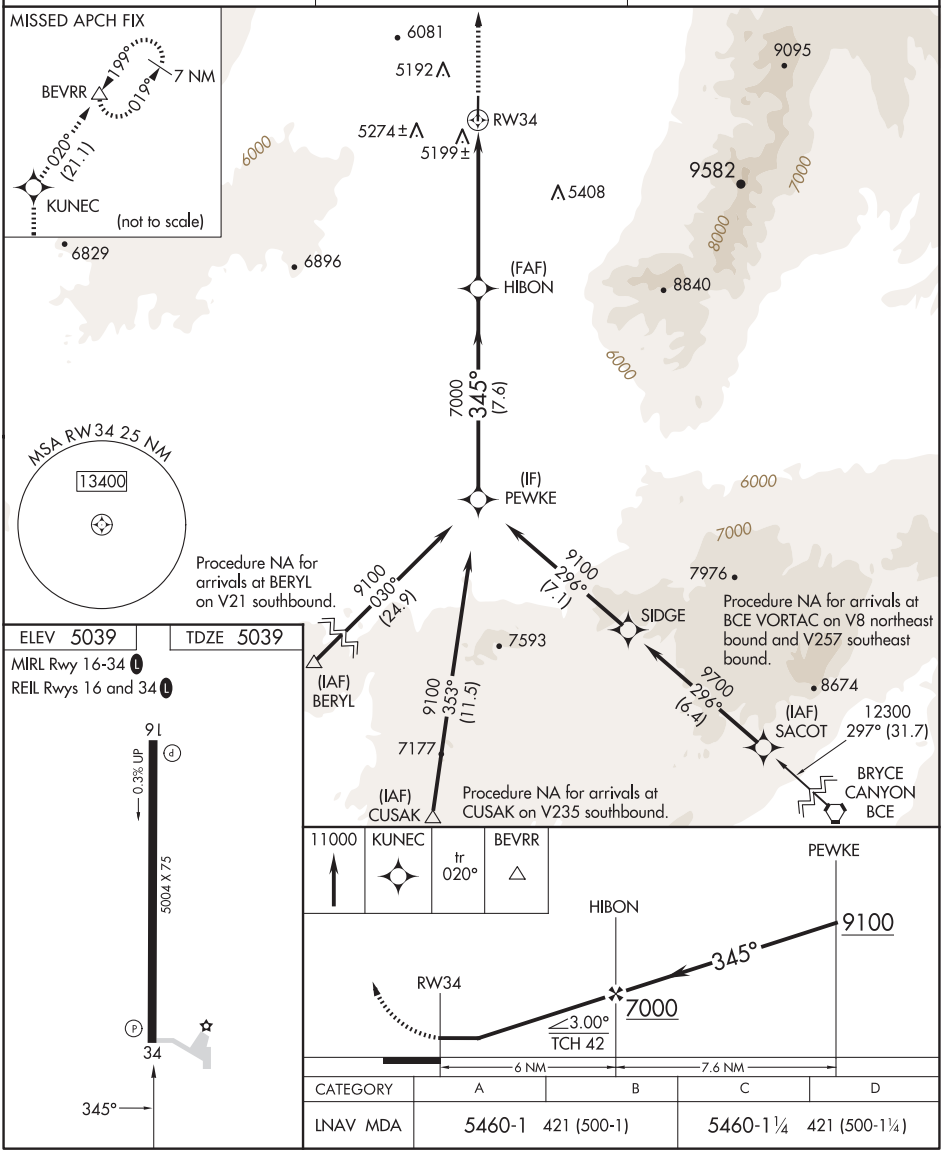
RNP APCH.

When local altimeter setting not received, use Cedar City altimeter setting and increase all MDA 180 feet; increase LNAV Cat C/D visibility ½ mile.

-27°C

MISSED APPROACH: Climb to 11000 direct KUNEC and on track 020° to BEVRR and hold, continue climb-in-hold to 11000.

ASOS	SALT LAKE CENTER	UNICOM
135.025	125.575 379.275	122.8 (CTAF) L



ELEV 5039 TDZE 5039

MIRL Rwy 16-34 L

REIL Rwys 16 and 34 L

CATEGORY	A	B	C	D
LNAV MDA	5460-1 421 (500-1)		5460-1¼ 421 (500-1¼)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC MLF 112.1 Chan 58	APP CRS 344°	Rwy Ldg N/A TDZE N/A Apt Elev 5042

VOR/DME-A

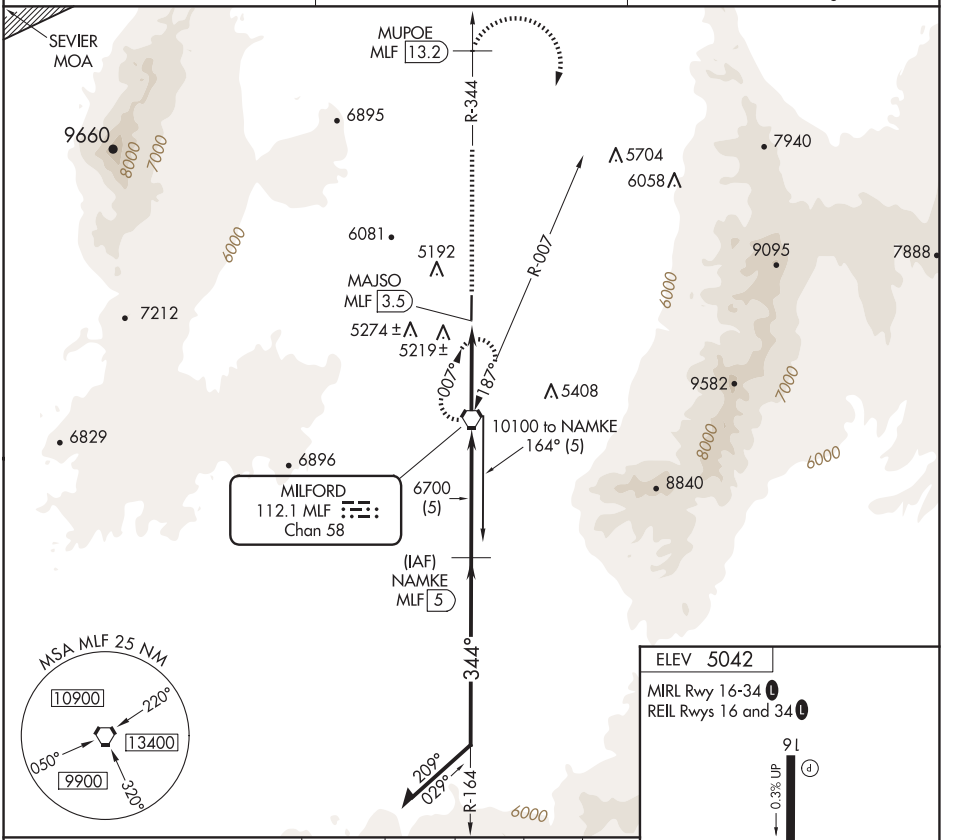
MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF)

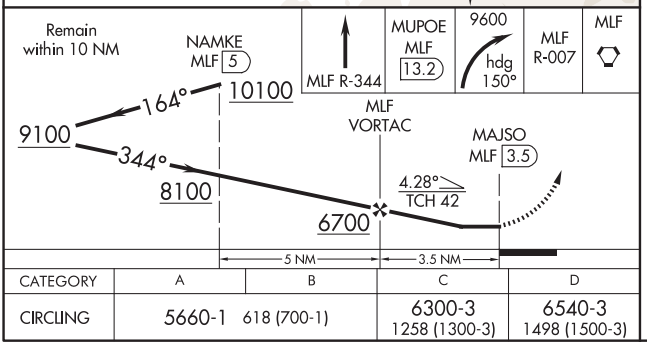
When local altimeter setting not received, use Cedar City altimeter setting and increase all MDAs 180 feet, Circling Cat D NA. When VGSI inop, procedure NA at night. Visibility reduction by helicopters NA.

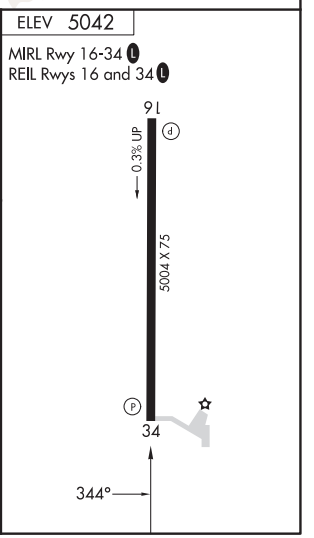
-27°C

MISSED APPROACH: Climb on MLF VORTAC R-344 to MUPOE/MLF 13.2 DME then climbing right turn to 9600 on heading 150° and MLF VORTAC R-007 to MILFORD VORTAC and hold.

ASOS	SALT LAKE CENTER	UNICOM
135.025	125.575 379.275	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	5660-1	618 (700-1)	6300-3 1258 (1300-3)	6540-3 1498 (1500-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 16

MINDEN-TAHOE (MEV)

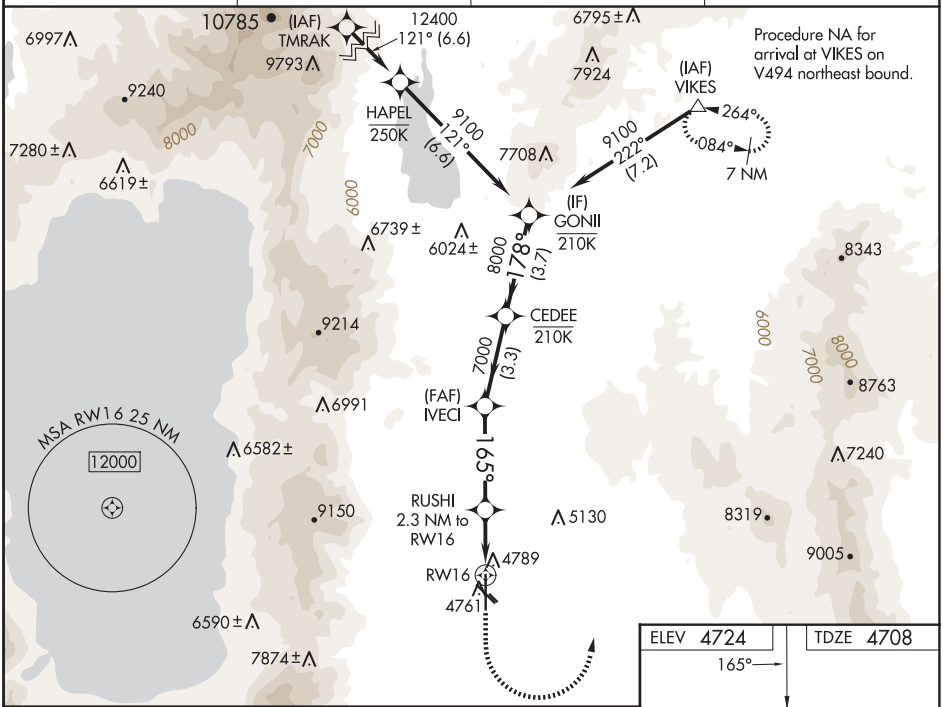
APP CRS	Rwy Ldg	7399
165°	TDZE	4708
	Apt Elev	4724

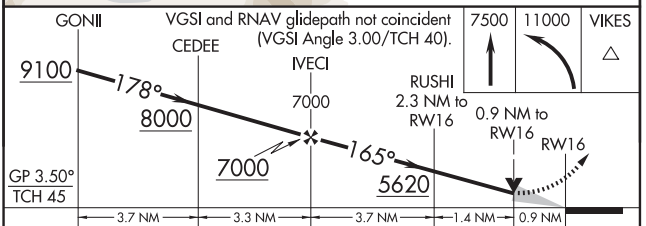
RNP APCH - GPS.

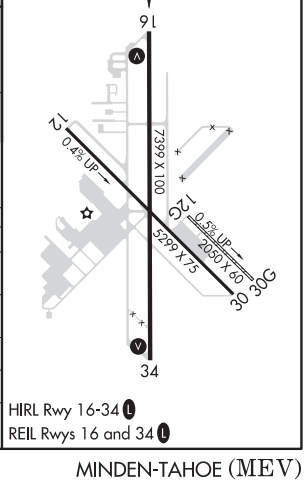
Baro-VNAV NA. Circling NA for Cat D southwest of Rwy 12 and west of Rwy 34. Circling NA to Rwys 12G and 30G.

MISSED APPROACH: (Do not exceed 210K until VIKES) Climb to 7500, then climbing left turn to 11000 direct VIKES and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 245 feet per NM to 9200.
#Missed approach requires minimum climb of 310 feet per NM to 9400.

AWOS-3PT	NORCAL APP CON	CLNC DEL	UNICOM
119.325	119.2 279.55	133.25	123.05 (CTAF) L







CATEGORY	A	B	C	D
LNAV/VNAV DA*	5106-1⅛ 398 (400-1⅛)			
LNAV/VNAV DA	6174-5 1466 (1500-5)			
LNAV MDA#	5040-1 332 (400-1)			
LNAV MDA	5600-1¼ 892 (900-1¼)		6020-3 1312 (1300-3)	
CIRCLING	5600-1¼ 876 (900-1¼)		6020-3 1296 (1300-3)	6440-3 1716 (1800-3)

HIRL Rwy 16-34 L
REIL Rwys 16 and 34 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

MINDEN, NEVADA AL-9430 (FAA) 25163

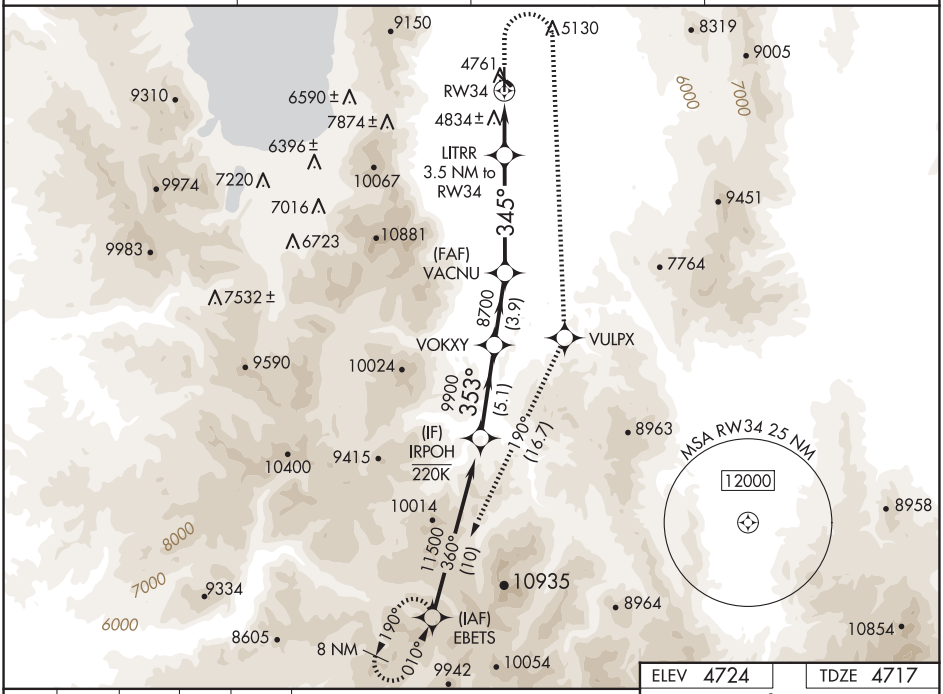
APP CRS	Rwy Ldg	7399
345°	TDZE	4717
	Apt Elev	4724

RNAV (GPS) RWY 34
MINDEN-TAHOE (MEV)

RNP APCH - GPS.
Baro-VNAV NA.
Circling NA to Rwys 12G and 30G.

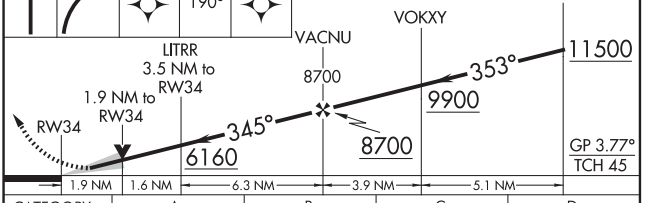
MISSED APPROACH: Climb to 7700 then climbing right turn to 13000 direct VULPX and on track 190° to EBETS and hold.
*Missed approach requires minimum climb of 310 feet per NM to 6700.

AWOS-3PT	NORCAL APP CON	CLNC DEL	UNICOM
119.325	119.2 279.55	133.25	123.05 (CTAF) L



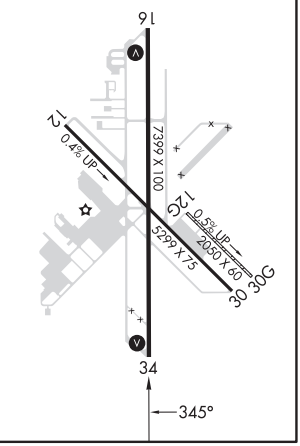
7700	13000	VULPX	tr 190°	EBETS

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 31).



CATEGORY	A	B	C	D
LNAV/VNAV DA*	5145-1¼ 428 (500-1¼)			NA
LNAV/VNAV DA	5542-2½ 825 (900-2½)			NA
LNAV MDA*	5340-1 623 (700-1)		5340-1¾ 623 (700-1¾)	NA
LNAV MDA	5720-1¼ 1003 (1000-1¼)	5720-1½ 1003 (1000-1½)	5720-3 1003 (1000-3)	NA
CIRCLING	5720-1¼ 996 (1000-1¼)	5720-1½ 996 (1000-1½)	5920-3 1196 (1200-3)	NA

ELEV 4724 TDZE 4717
HIRL Rwy 16-34 L
REIL Rwys 16 and 34 L

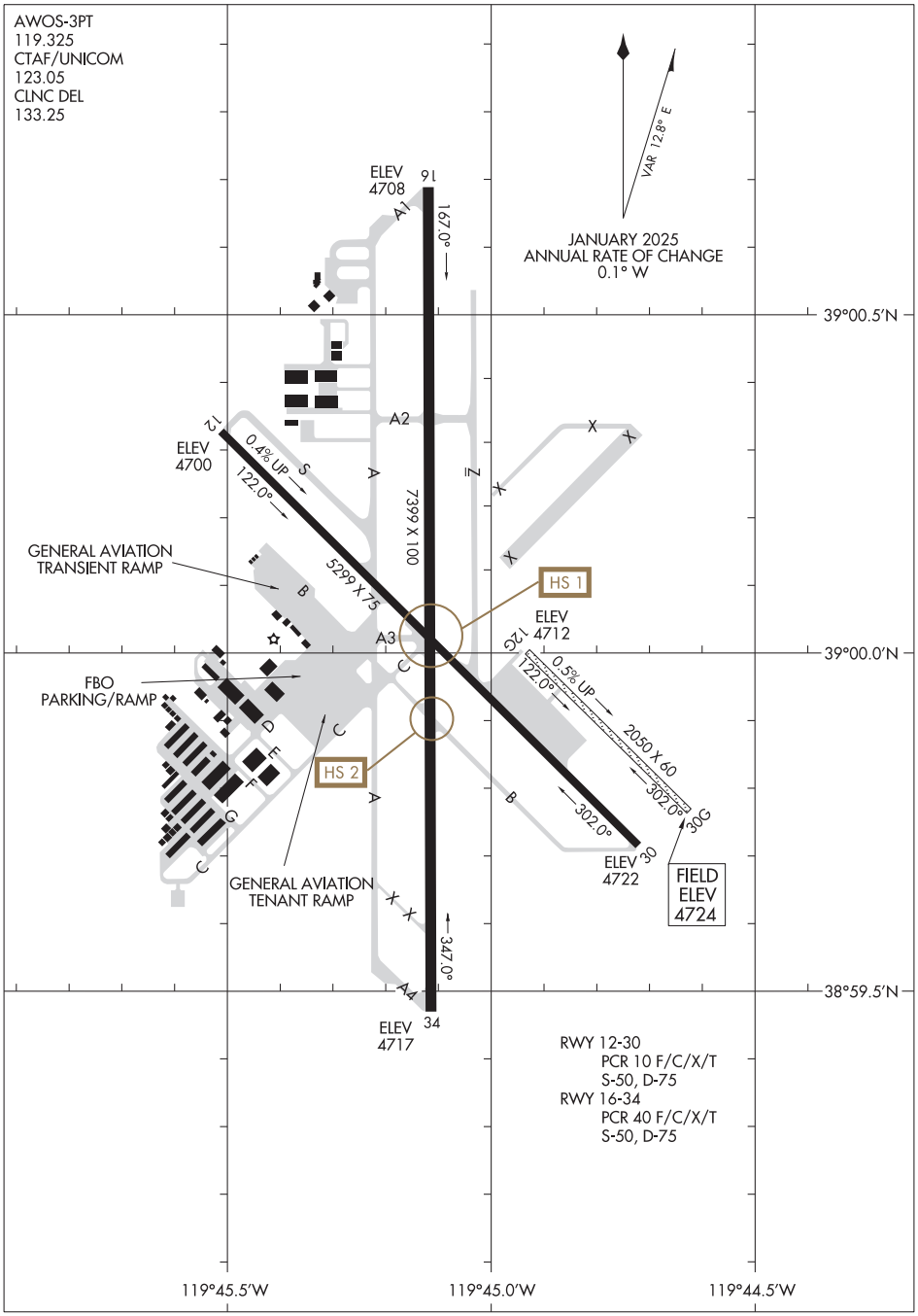


MINDEN, NEVADA
Orig 25JAN24

39°00'N-119°45'W

MINDEN-TAHOE (MEV)
RNAV (GPS) RWY 34

SW-4, 07 AUG 2025 to 02 OCT 2025



RWY 12-30
PCR 10 F/C/X/T
S-50, D-75
RWY 16-34
PCR 40 F/C/X/T
S-50, D-75

SW-4, 07 AUG 2025 to 02 OCT 2025

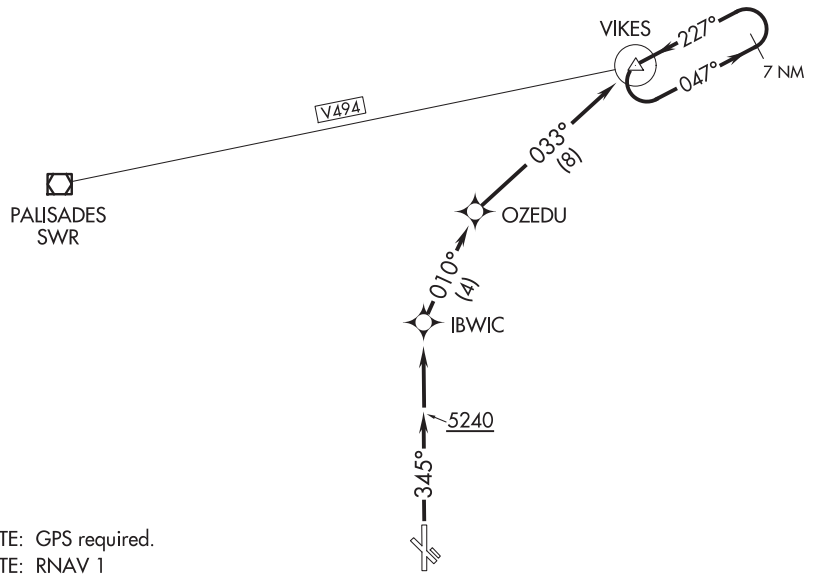
SW-4, 07 AUG 2025 to 02 OCT 2025

(MINDN2.VIKES) 23222

MINDEN TWO DEPARTURE (OBSTACLE) (RNAV)

MINDEN-TAHOE (MEV)
AL-9430 (FAA) MINDEN, NEVADA

RENO TOWER
118.7 257.8
NORCAL DEP CON
119.2 279.55



NOTE: GPS required.
NOTE: RNAV 1

TAKEOFF MINIMUMS
Rwys 16, 12, 30: NA - obstacles.
Rwy 34: Standard with a minimum climb of 413′ per NM to 7800.

TAKEOFF OBSTACLE NOTES
Rwy 34: Fence 235′ from DER, 302′ right of centerline, 7′ AGL/4714′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 34: Climb heading 345° to 5240 then direct IBWIC, then on track 010° to OZEDU, then on track 033° to VIKES, then climb in VIKES holding pattern (hold NE, left turn, 227° inbound) to cross VIKES at or above MEA/MCA for assigned route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	7101
CH **93642**	**044°**	TDZE	**4558**
W03A		Apt Elev	**4579**

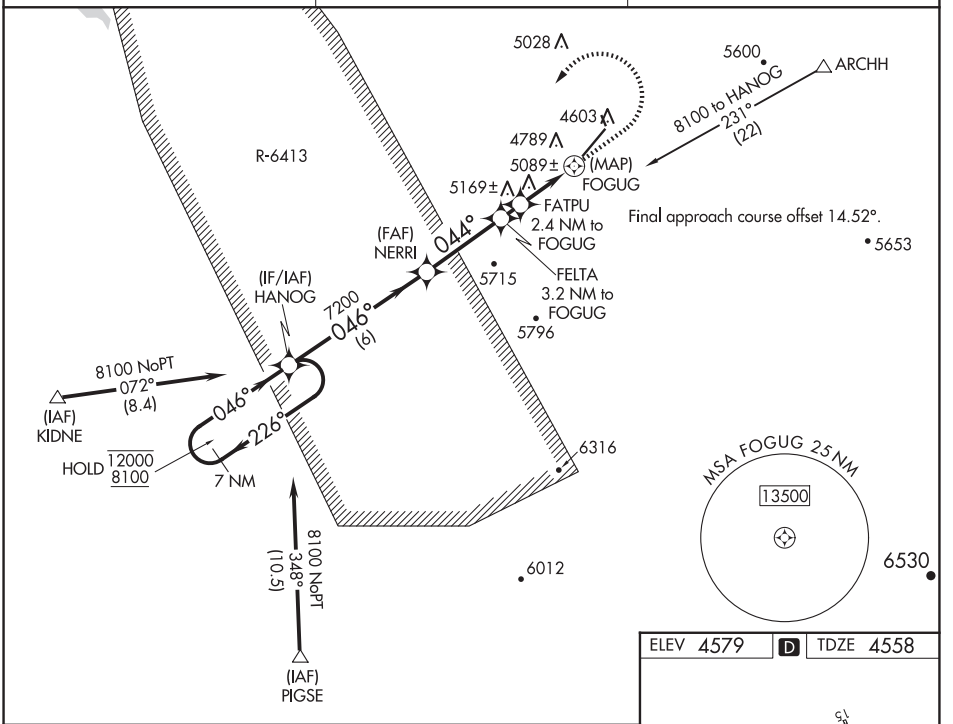
RNAV (GPS) RWY 3
CANYONLANDS RGNL (CNY)

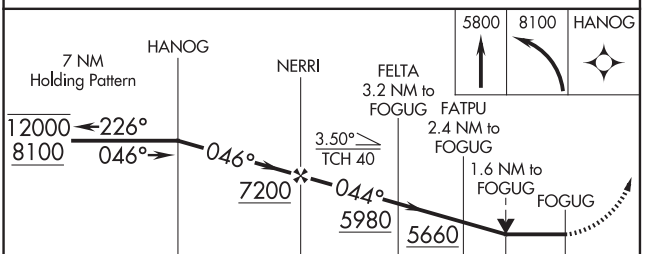
RNP APCH-GPS.

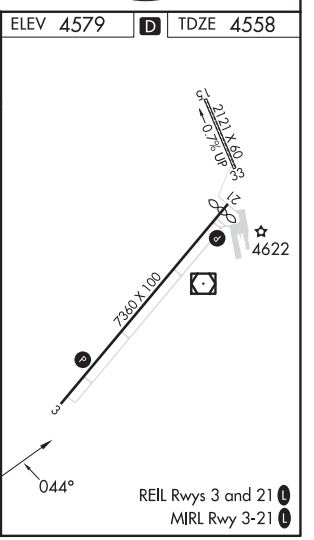
Circling NA to Rwys 15 and 33. Rwy 3 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, procedure NA. Procedure NA when R-6413 in operation.

MISSED APPROACH: Climb to 5800 then climbing left turn to 8100 direct HANOG and hold.

ASOS	DENVER CENTER	UNICOM
118.525	**134.5 327.8**	**122.8** (CTAF) L







CATEGORY	A	B	C	D
LP MDA	5340-1 782 (800-1)	5340-1¼ 782 (800-1¼)	5340-2½ 782 (800-2½)	
LNAV MDA	5340-1 782 (800-1)	5340-1¼ 782 (800-1¼)	5340-2½ 782 (800-2½)	
C CIRCLING	5340-1 761 (800-1)	5340-1¼ 761 (800-1¼)	5640-3 1061 (1100-3)	6220-3 1641 (1700-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR/DME OAB	APP CRS	Rwy Idg	N/A
109.8	118°	TDZE	N/A
Chan 35		Apt Elev	4579

VOR-A

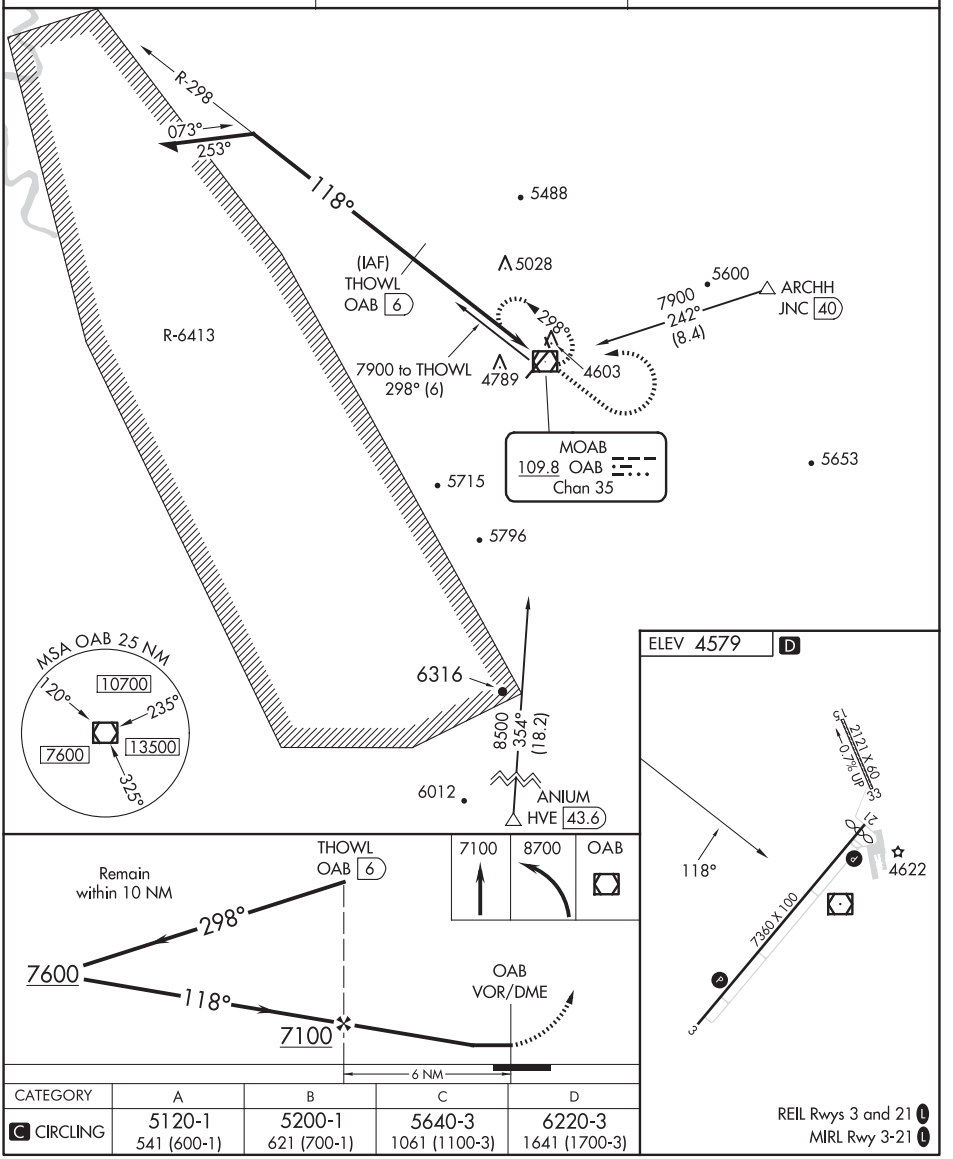
CANYONLANDS RGNL (CNY)

DME required.

Circling NA to Rwys 15 and 33.
Rwy 3 helicopter visibility reduction below ¾ SM NA.
Procedure NA when R-6413 in operation.

MISSED APPROACH: Climb to 7100 then climbing left turn to 8700 direct OAB VOR/DME and hold, continue climb-in-hold to 8700.

ASOS	DENVER CENTER	UNICOM
118.525	134.5 327.8	122.8 (CTAF) L



CATEGORY	A	B	C	D
C CIRCLING	5120-1 541 (600-1)	5200-1 621 (700-1)	5640-3 1061 (1100-3)	6220-3 1641 (1700-3)

REIL Rwys 3 and 21 L
MIRL Rwy 3-21 L

38°45'N-109°45'W

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 16

MONTICELLO (U64)

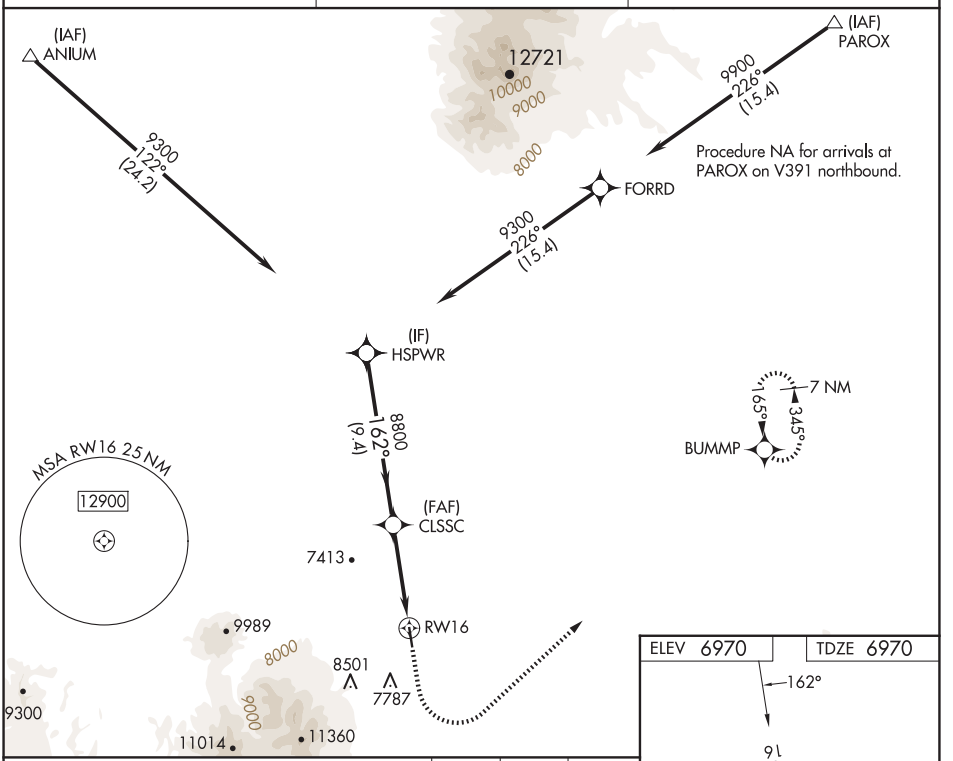
WAAS	APP CRS	Rwy Ldg	5998
CH 86246	162°	TDZE	6970
W16A		Apt Elev	6970

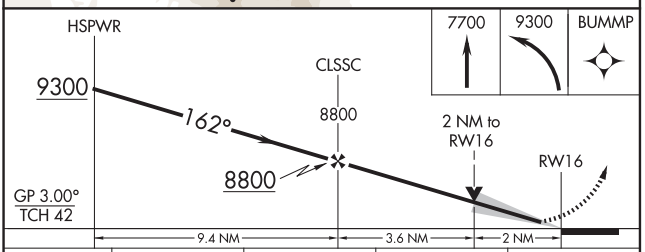
RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -28°C or above 54°C.

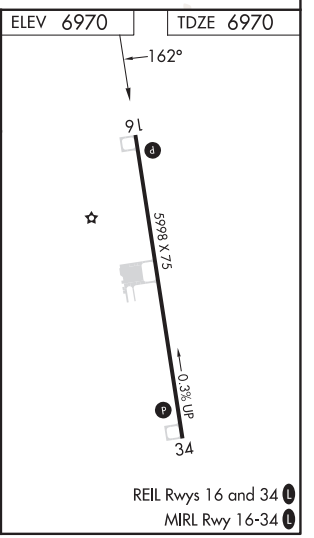
MISSED APPROACH: Climb to 7700 then climbing left turn to 9300 direct BUMMP and hold.

AWOS-3PT	DENVER CENTER	UNICOM
121.025	127.55 256.875	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	7170-1	200 (200-1)	NA	
LNAV/VNAV DA	7407-1¼	437 (500-1¼)	NA	
LNAV MDA	7660-1	690 (700-1)	NA	



REIL Rwys 16 and 34 L

MIRL Rwy 16-34 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

MONTICELLO, UTAH | AL-11773 (FAA) | 25163

WAAS	APP CRS	Rwy Ldg	5998
CH 45546	342°	TDZE	6966
W34A		Apt Elev	6970

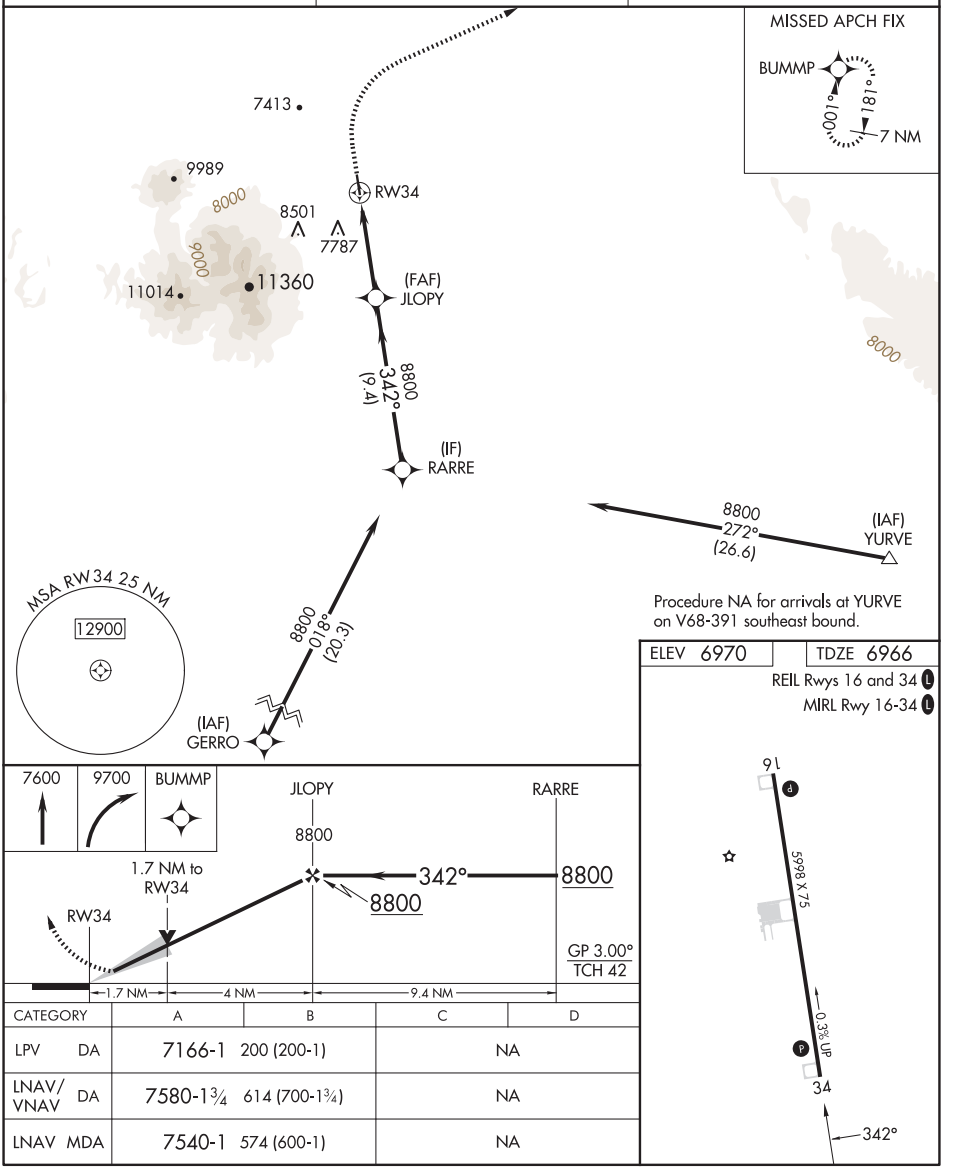
RNAV (GPS) RWY 34
MONTICELLO (U64)

RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -28°C or above 54°C.

MISSED APPROACH: Climb to 7600 then climbing right turn to 9700 direct BUMMP and hold.

AWOS-3PT	DENVER CENTER	UNICOM
121.025	127.55 256.875	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	7166-1 200 (200-1)		NA	
LNAV/VNAV DA	7580-1¾ 614 (700-1¾)		NA	
LNAV MDA	7540-1 574 (600-1)		NA	

MONTICELLO, UTAH
Orig 15JUN23

37°56'N-109°20'W

MONTICELLO (U64)
RNAV (GPS) RWY 34

SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA

ILS or LOC X RWY 21L

NELLIS AFB (KLSV)

LOC I-DIQ	APCH CRS
109.1	209°

	21L	21R
Rwy ldg	10,051	10,120
TDZE	1865	1869
Arpt Elev	1869	

- (USAF)

DME or RADAR required.

* When ALS inop, increase RVR to 40, vis to 3/4 mile.
** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE vis to 1 3/8 miles.
*** Circling not authorized SE of Rwy 3R-21L.

Rwy 21L ALSF-1

MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 043° to intercept LSV R-358 to ARCOE and hold, climb in hold to 15,000. Missed approach not for civil use.

ATIS	APP CON	TOWER	GND CON	CLNC DEL★
270.1	124.95 273.55	132.55 327.0	121.8 275.8	120.9 289.4

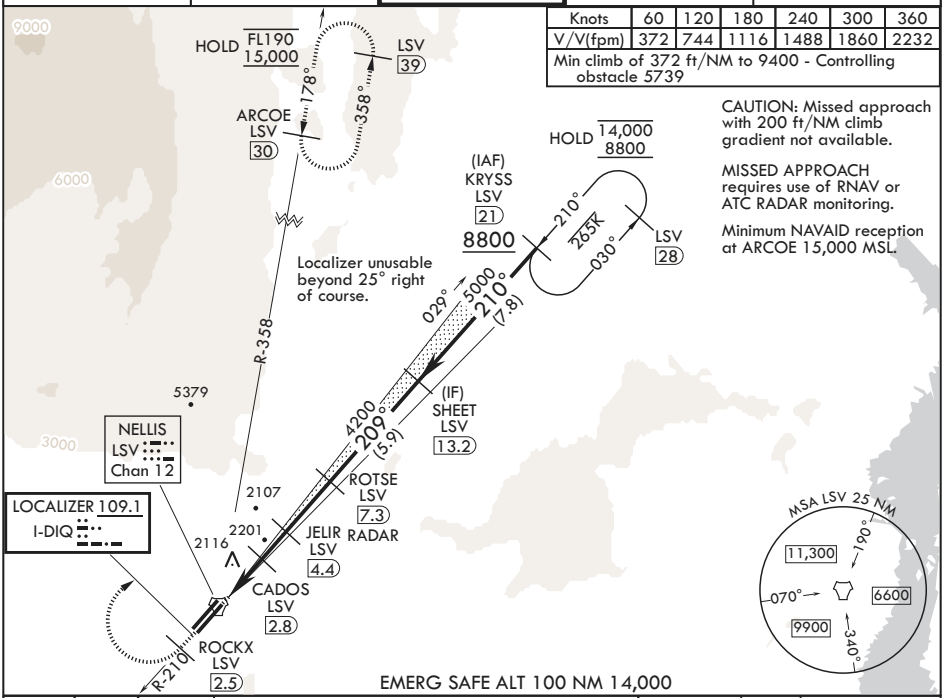
Knots	60	120	180	240	300	360
V/V(fpm)	372	744	1116	1488	1860	2232

Min climb of 372 ft/NM to 9400 - Controlling obstacle 5739

CAUTION: Missed approach with 200 ft/NM climb gradient not available.

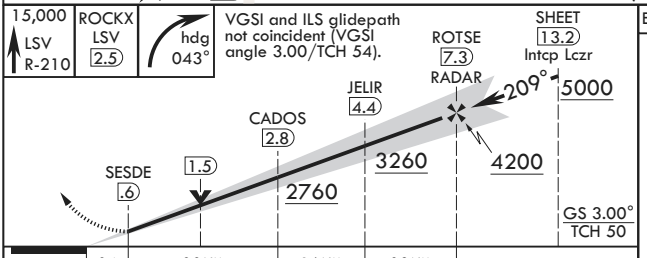
MISSED APPROACH requires use of RNAV or ATC RADAR monitoring.

Minimum NAVAID reception at ARCOE 15,000 MSL.



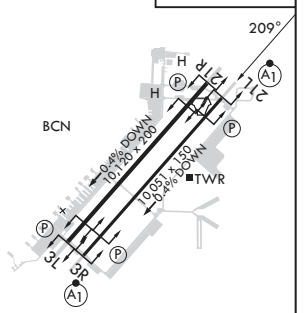
15,000 LSV R-210 | ROCKX LSV 2.5 | hdg 043°

VGSI and ILS glidepath not coincident (VGSI angle 3.00/TCH 54).



ELEV 1869

TDZE 21L 1865
TDZE 21R 1869



HIRL all rwys

CATEGORY	A	B	C	D	E
S-ILS 21L*	2065/24		200	(200-½)	
S-LOC 21L**	2360/24 495 (500-½)		2360/50	495	(500-1)
SIDESTEP21R	2380-1 511 (600-1)		2380-1⅜	511	(600-1⅜)
CIRCLING***	2400-1 531 (600-1)	2460-1 591 (600-1)	2560-2 691 (700-2)	2840-3 971 (1000-3)	3140-3 1271 (1300-3)

FAF to MAP 6.7 NM					
Knots	60	90	120	150	180
Min:Sec	6:42	4:28	3:21	2:41	2:14

LAS VEGAS, NEVADA

LOC Y RWY 21L

LOC I-DIQ	APCH CRS	Rwy Idg 21L / TDZE / Arpt Elev	Rwy Idg 21R / TDZE
109.1	209°	10,051 / 1865 / 1869	10,120 / 1869

[USAF] NELLIS AFB (KLSV)

RADAR or DME required. RNAV or RADAR required for missed apch.

* When ALS inop, increase vis to 1⅜ miles.
** Circling not authorized SE of Rwy 3R-21L.

ALSF-1

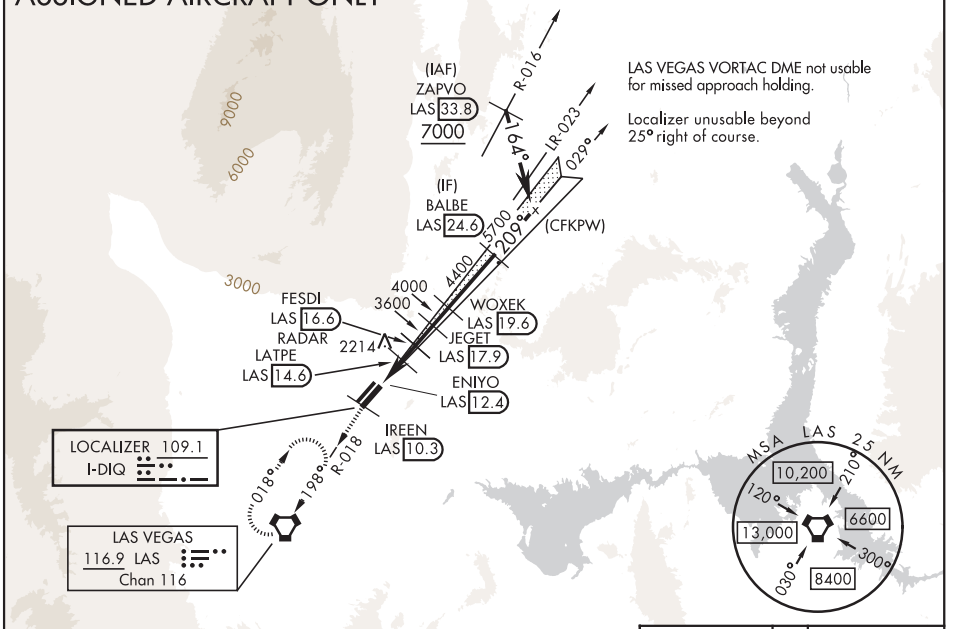
MISSED APPROACH: Climb to 8000, intercept the LAS VORTAC R-018 to 10.3 DME (IREEN), then to LAS and hold, continue climb in hold to 8000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL
270.1	124.95 273.55	132.55 327.0	121.8 275.8	120.9 289.4

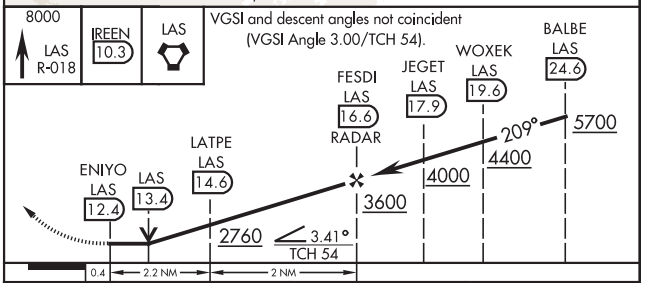
FOR USE BY NELLIS AFB ASSIGNED AIRCRAFT ONLY

Knots	60	120	180	240	300	360
V/V(fpm)	450	900	1350	1800	2250	2700

ATC climb of 450 ft/NM to 8000



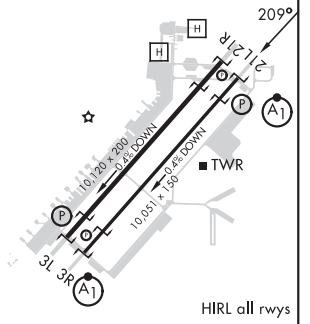
EMERG SAFE ALT 100 NM 14,000



CATEGORY	C	D	E
S-21L *	2360/50 495 (500-1)		
SIDESTEP 21R	2360-1⅜ 491 (500-1⅜)		
CIRCLING **	2560-2 691 (700-2)	2840-3 971 (1000-3)	3140-3 1271 (1300-3)

ELEV 1869

TDZE 21L 1865
TDZE 21R 1869



FAF to MAP 4.2 NM					
Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

SW-4, 07 AUG 2025 to 02 OCT 2025

LAS VEGAS, NEVADA

TACAN X RWY 21L

TACAN LSV Chan 12	APCH CRS 210°		21L	21R
		Rwy ldg	10,051	10,120
		TDZE	1865	1869
		Arpt Elev	1869	

AL-227 (USAF)

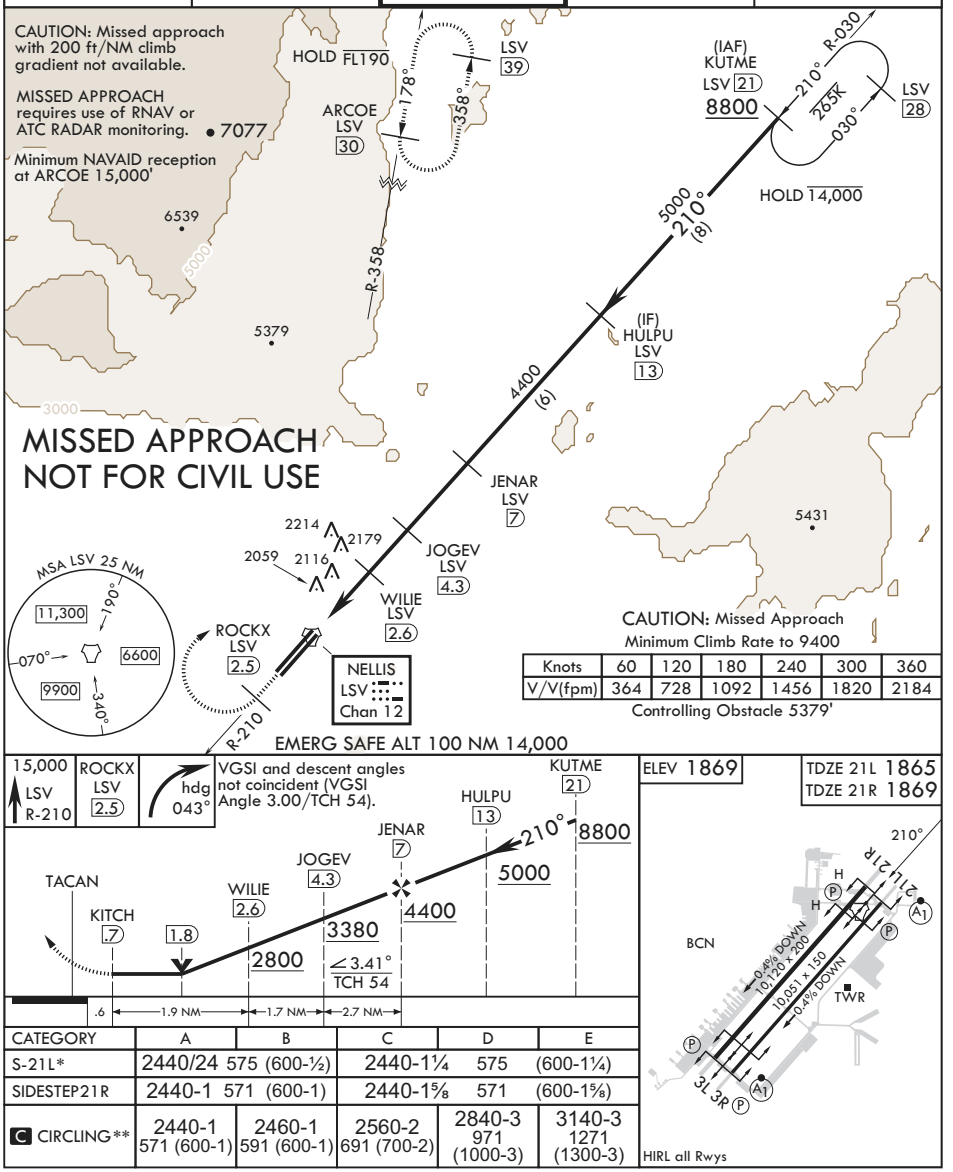
NELLIS AFB (KLSV)

* When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CDE vis to 1 5/8 miles.
** Circling not authorized SE of Rwy 3R-21L.

Rwy 21L ALSF-1

MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 043° to intercept LSV R-358 to ARCOE and hold, climb in hold to 15,000. Missed approach not for civil use.

ATIS	APP CON	TOWER	GND CON	CLNC DEL
270.1	124.95 273.55	132.55 327.0	121.8 275.8	120.9 289.4



CATEGORY	A	B	C	D	E
S-21L*	2440/24 575 (600-½)		2440-1¼ 575		(600-1¼)
SIDESTEP21R	2440-1 571 (600-1)		2440-1⅝ 571		(600-1⅝)
C CIRCLING**	2440-1 571 (600-1)	2460-1 591 (600-1)	2560-2 691 (700-2)	2840-3 971 (1000-3)	3140-3 1271 (1300-3)

HIRL all Rwys

LAS VEGAS, NEVADA

Amdt 10 10AUG23

36°14'N - 115°02'W

NELLIS AFB (KLSV)

TACAN X RWY 21L

SW-4, 07 AUG 2025 to 02 OCT 2025

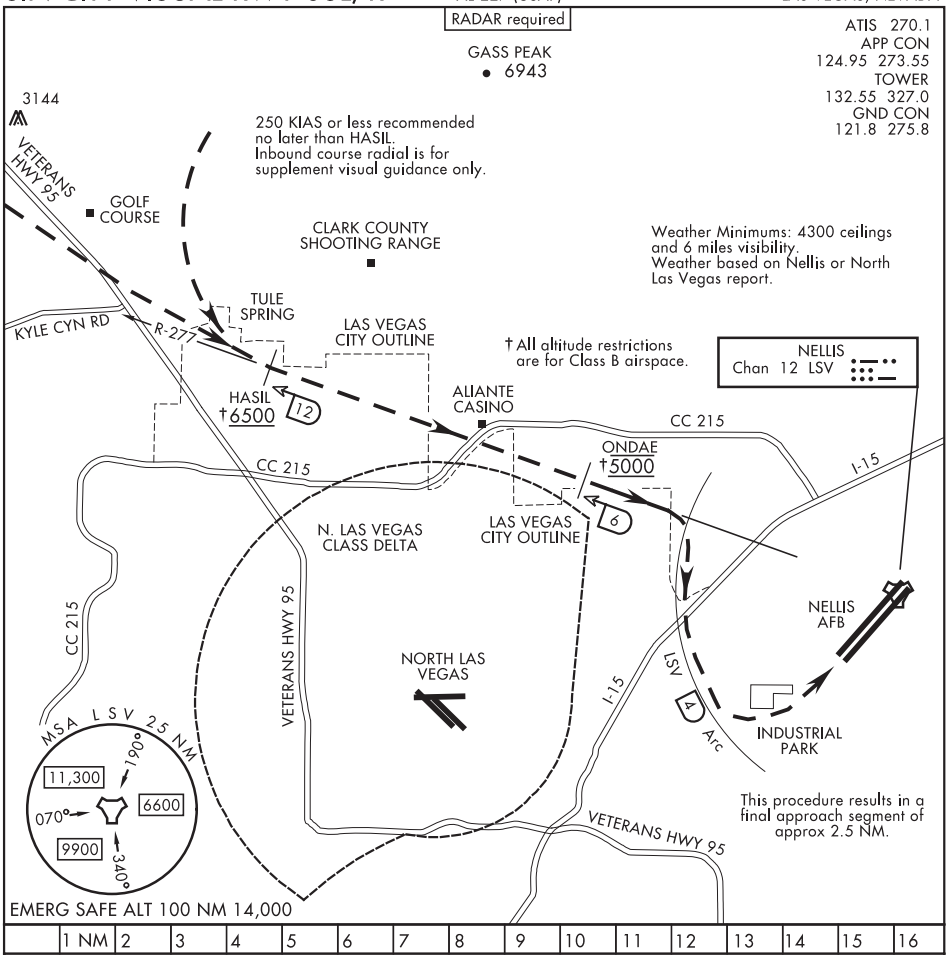
23222

NELLIS AFB (KLSV)

SIN CITY VISUAL RWY 03L/R

AL-227 (USAF)

LAS VEGAS, NEVADA



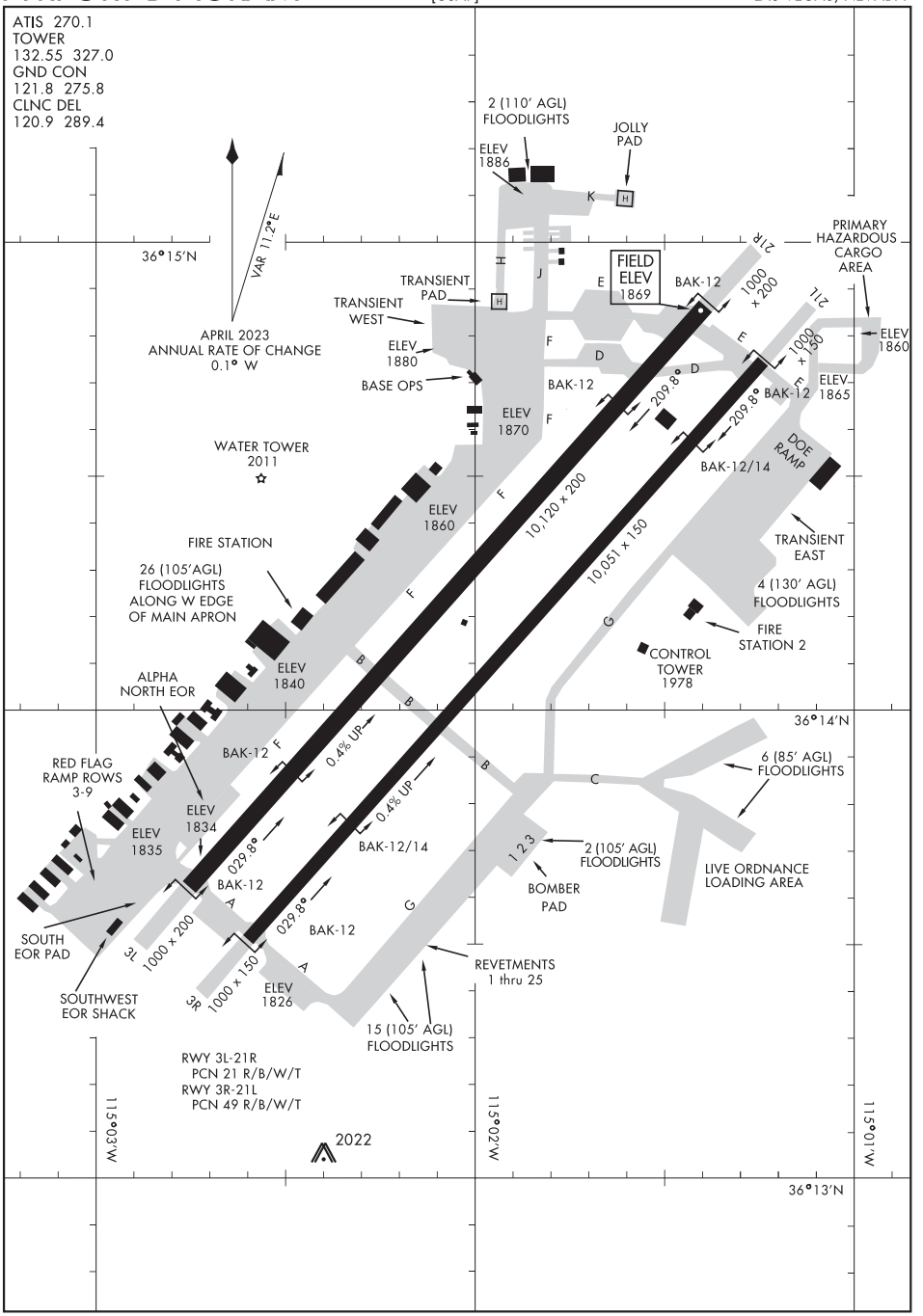
SIN CITY VISUAL RWY 03L/R

Expect RADAR vectors to HASIL (LSV TACAN R-277/12 DME) and report Northwest Las Vegas city outline in sight (ATC Clearance - "Cleared Sin City Visual Rwy 03 Approach") Cross HASIL at or above 6500, proceed visually via LSV R-277 and descend to cross ONDAE at 5000.

Based on traffic conditions, ATC may assign a different DME ond/or an altitude to maintain until estabilished visually on LSV R-277; pilots shall advise ATC if unable to comply with the revised clearance and any remaining published altitude restrictions. - example:"Cleared Sin City Visual Rwy 03 Approach via 10 DME, maintain (altitude) until estabilished inbound on LSV R-277".

Continue visual descent in right turn to join LSV TACAN 4 DME Arc until extended final Rwy 03. Make base turn to remin within 4 DME to protect against Las Vegas Approach airspace/traffic. Tower will assign either RWY 03 L/R.

SW-4, 07 AUG 2025 to 02 OCT 2025



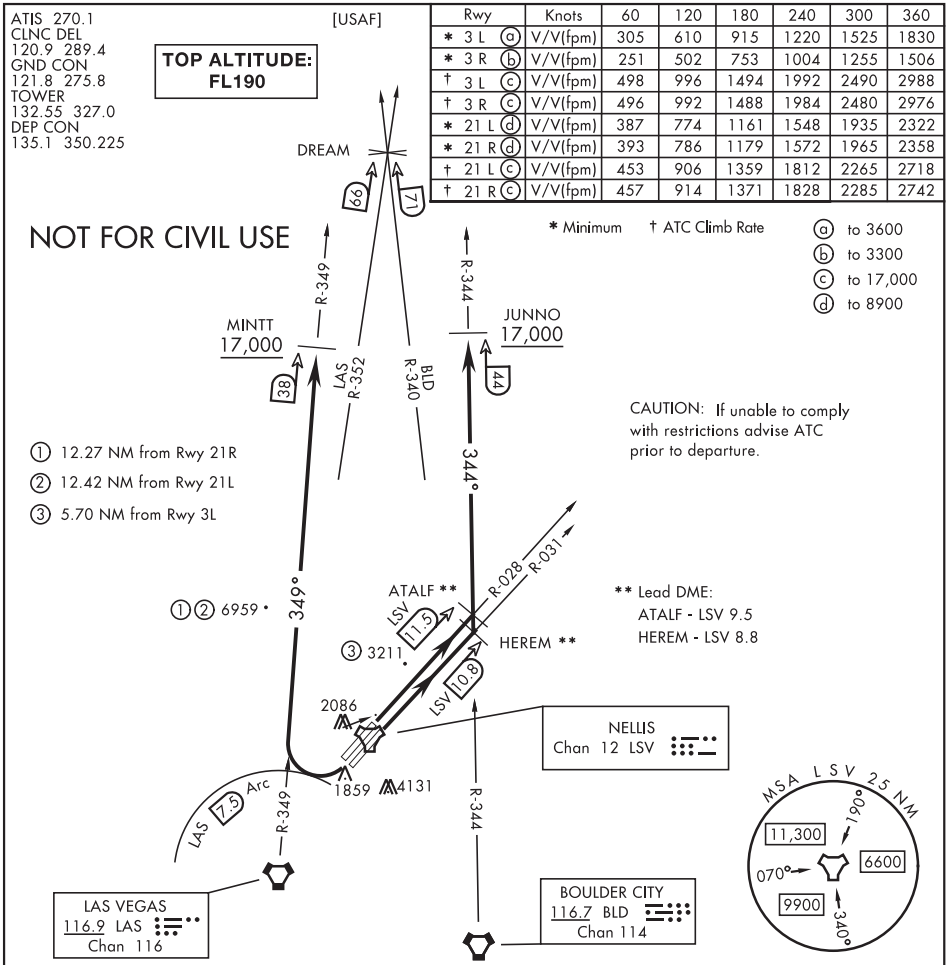
SW-4, 07 AUG 2025 to 02 OCT 2025

25163

NELLIS AFB (KLSV)

DREAM SEVEN DEPARTURE (DREAM7.DREAM)

LAS VEGAS, NEVADA



Rwy		Knots	60	120	180	240	300	360
* 3 L	a	V/V(fpm)	305	610	915	1220	1525	1830
* 3 R	b	V/V(fpm)	251	502	753	1004	1255	1506
† 3 L	c	V/V(fpm)	498	996	1494	1992	2490	2988
† 3 R	c	V/V(fpm)	496	992	1488	1984	2480	2976
* 21 L	d	V/V(fpm)	387	774	1161	1548	1935	2322
* 21 R	d	V/V(fpm)	393	786	1179	1572	1965	2358
† 21 L	c	V/V(fpm)	453	906	1359	1812	2265	2718
† 21 R	c	V/V(fpm)	457	914	1371	1828	2285	2742

* Minimum † ATC Climb Rate

ⓐ to 3600
ⓑ to 3300
ⓒ to 17,000
ⓓ to 8900

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L: Fly runway heading to intercept the LSV TACAN R-028 then direct ATALF, intercept the BLD VORTAC R-344 then direct JUNNO, cross JUNNO at or above 17,000, thence...

TAKEOFF RWY 3R: Fly runway heading to intercept the LSV TACAN R-031 then direct HEREM, intercept the BLD VORTAC R-344 then direct JUNNO, cross JUNNO at or above 17,000, thence...

TAKEOFF RWY 21L/R: Turn right to intercept LAS VORTAC R-349 outbound. Remain North of LAS 7.5 DME turning Northbound. Intercept LAS R-349 between 5000 and 6000, do not proceed West of LAS R-349. Cross MINTT at above 17,000, thence...

...maintain FL190, then via assigned route.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FYTTR SEVEN DEPARTURE (FYTTR7.FYTTR)

[USAF]

NELLIS AFB (KLSV)
LAS VEGAS, NEVADA

FYTTR SEVEN DEPARTURE (FYTTR7.FYTTR)

Amdt 6 12JUN25

LAS VEGAS, NEVADA
NELLIS AFB (KLSV)

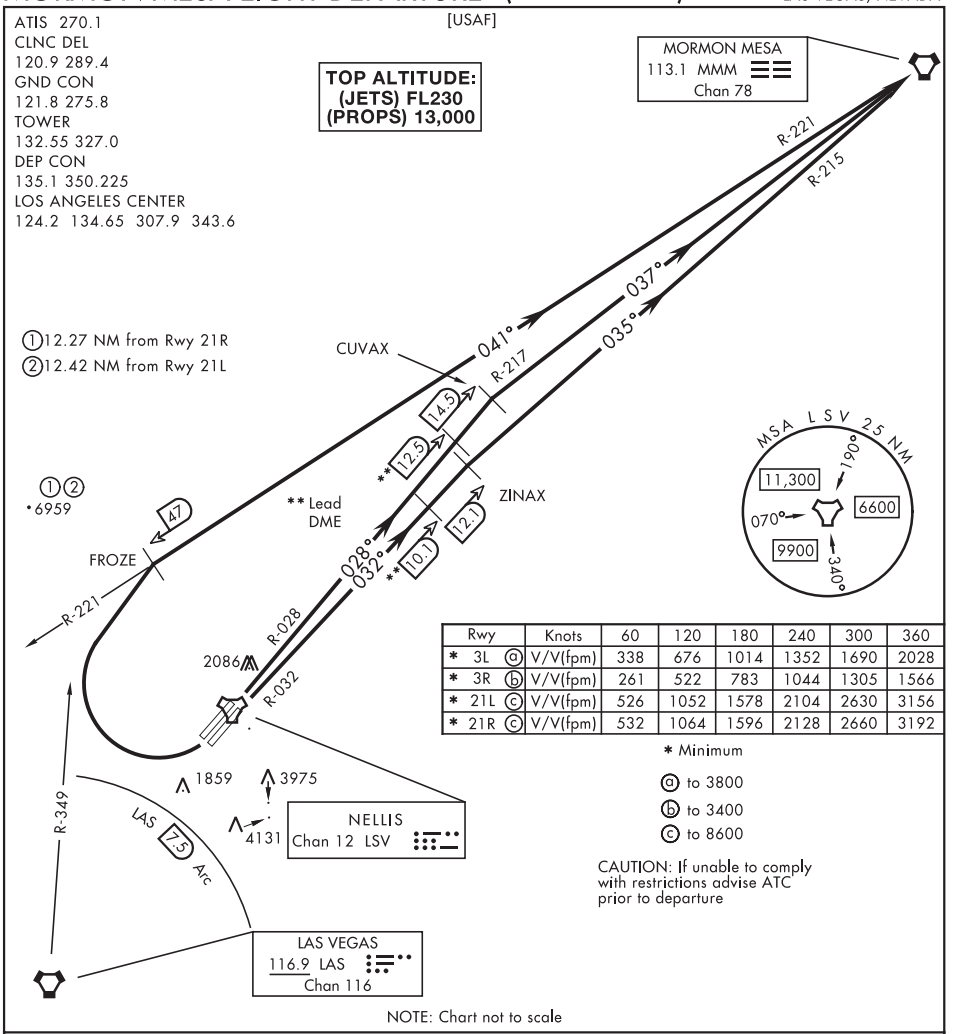
SW-4, 07 AUG 2025 to 02 OCT 2025

25163

NELLIS AFB (KLSV)

MORMON MESA EIGHT DEPARTURE (MMM8.MMM)

LAS VEGAS, NEVADA



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L: Fly runway heading to intercept LSV TACAN R-028 then direct CUVAX, intercept the MMM VORTAC R-217 then direct MMM, thence...

TAKEOFF RWY 3R: Fly runway heading to intercept LSV TACAN R-032 then direct ZINAX, intercept the MMM VORTAC R-215 then direct MMM, thence...

TAKEOFF RWY 21L/R: Turn right to intercept MMM VORTAC R-221 prior to MMM 47 DME (FROZE), remain north of the LAS VORTAC 7.5 DME, remain East of LAS R-349, intercept MMM R-221 then direct MMM, thence...

...turbojets maintain FL230 (or requested altitude if lower), props maintain 13,000 (or requested altitude if lower), then via assigned route. Expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 17

NEPHI MUNI (U14)

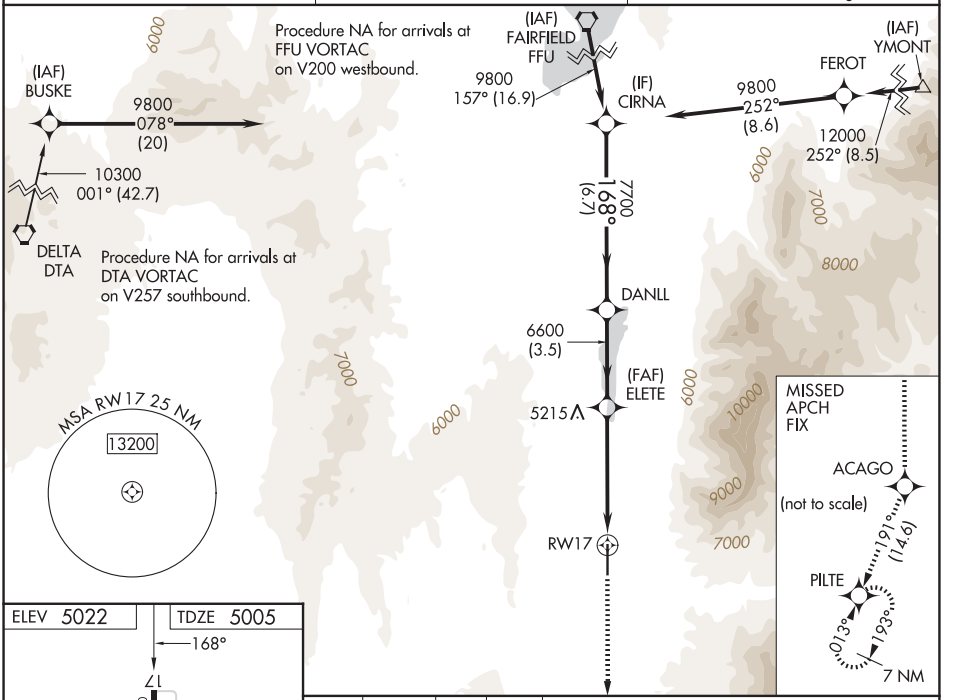
WAAS	APP CRS	Rwy Ldg	6300
CH 63221	168°	TDZE	5005
W17A		Apt Elev	5022

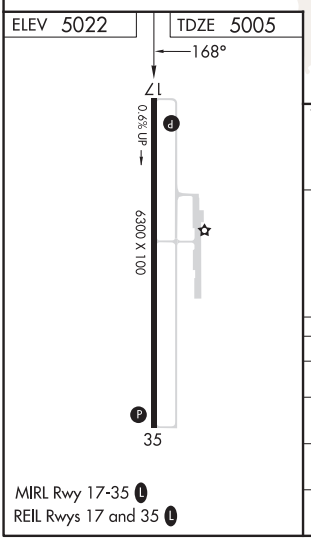
RNP APCH - GPS.

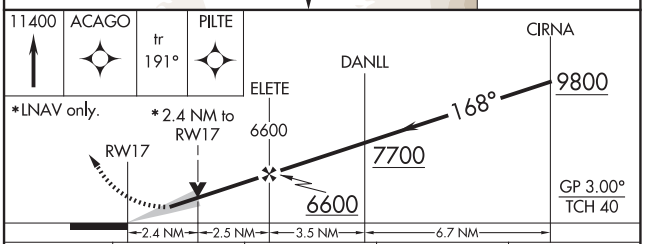
T NA Baro-VNAV NA when using Provo Muni altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C or above 12°C. When local altimeter setting not received, use Provo altimeter setting: increase LPV DA to 5577 feet and visibility all Cats ½ SM, increase LNAV/VNAV DA to 5836 feet and visibility all Cats ½ SM; increase all MDAs 160 feet and LNAV and Circling visibilities Cats A/B ½ SM. Circling Cat C NA. VDP NA with Provo Muni altimeter setting.

MISSED APPROACH: Climb to 11400 direct ACAGO and on track 191° to PILTE and hold.

AWOS-3PT	SALT LAKE CENTER	UNICOM
118.275	127.825 239.025	123.075 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	5433-1½ 428 (500-1½)			
LNAV/VNAV DA	5692-2½ 687 (700-2½)			
LNAV MDA	5800-1 795 (800-1)	5800-1¼ 795 (800-1¼)	5800-2½ 795 (800-2½)	
CIRCLING	5800-1 778 (800-1)	5800-1¼ 778 (800-1¼)	6920-3 1898 (1900-3)	NA

MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

NEPHI, UTAH | AL-9496 (FAA) | 25219

WAAS	APP CRS	Rwy Ldg	6300
CH 58221	348°	TDZE	5022
W35A		Apt Elev	5022

RNAV (GPS) RWY 35

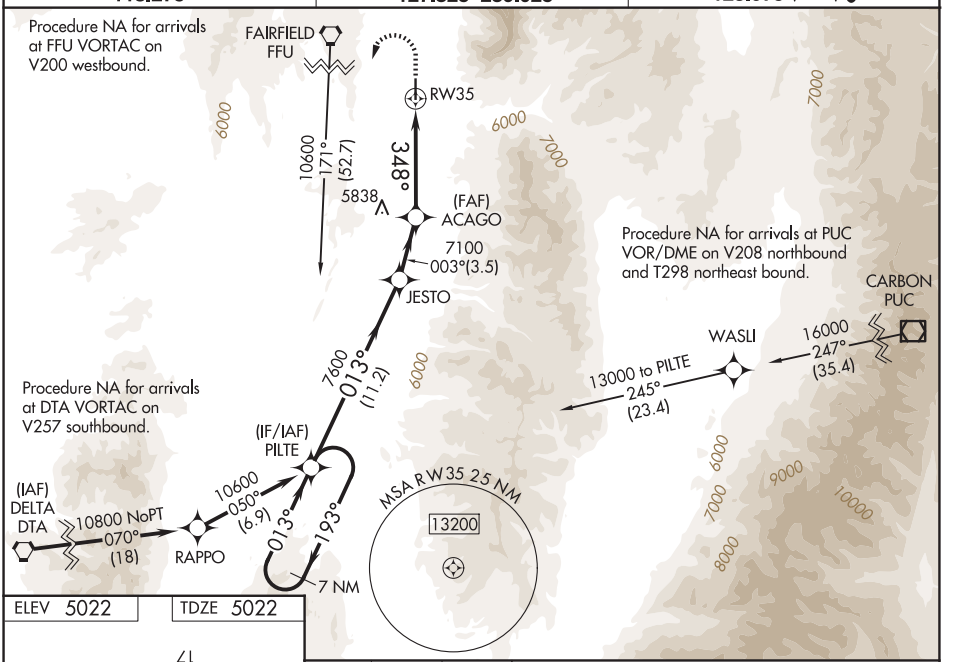
NEPHI MUNI (U14)

RNP APCH - GPS.

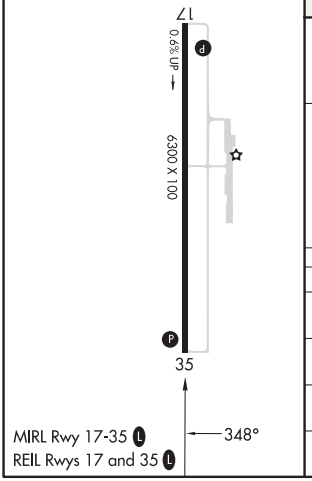
T A NA Baro-VNAV NA when using Provo altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C or above 12°C. Circling NA for Cat C east of Rwy 17 and 35. Rwy 35 helicopter visibility reduction below ¾ SM NA. VDP NA with Provo altimeter setting. When local altimeter setting not received, use Provo altimeter setting: increase LPV DA to 5416 feet and visibility all Cats ½ SM, increase LNAV/VNAV DA to 5740 feet and visibility all Cats ½ SM; increase all MDAs 160 feet and LNAV visibility Cats B/C/D and Circling visibility Cats A/B ½ SM.

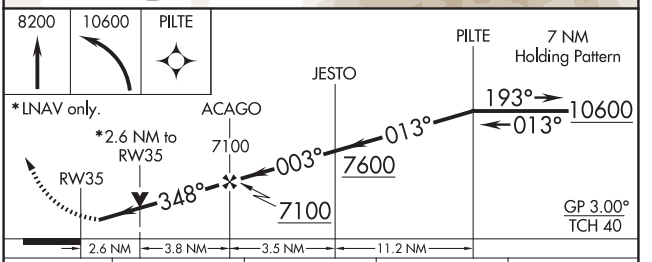
MISSED APPROACH: Climb to 8200 then climbing left turn to 10600 direct PILTE and hold.

AWOS-3PT	SALT LAKE CENTER	UNICOM
118.275	127.825 239.025	123.075 (CTAF) L



ELEV 5022	TDZE 5022





CATEGORY	A	B	C	D
LPV DA	5272-⅞ 250 (300-⅞)			
LNAV/VNAV DA	5596-2 574 (600-2)			
LNAV MDA	5940-1¼ 918 (1000-1¼)		5940-2½ 918 (1000-2½)	
CIRCLING	5900-1¼ 878 (900-1¼)		6920-3 1898 (1900-3)	NA

NEPHI, UTAH
Orig-D 03NOV22

39°44'N-111°52'W

NEPHI MUNI (U14)

RNAV (GPS) RWY 35

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CENTER
127.825 239.025

TAKEOFF OBSTACLE NOTES

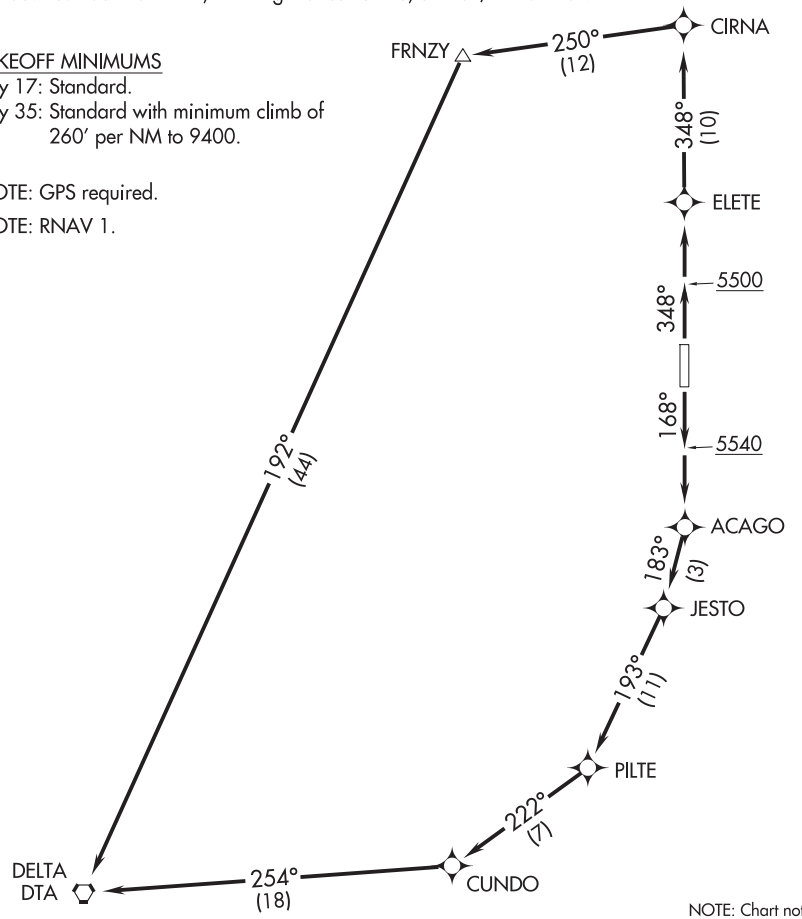
Rwy 17: Bush 11′ from DER, 101′ left of centerline, 4′ AGL/5024′ MSL.
Bush 92′ from DER, 509′ left of centerline, 5′ AGL/5025′ MSL.
Pole 1021′ from DER, 498′ right of centerline, 35′ AGL/5053′ MSL.
Pole 1223′ from DER, 202′ right of centerline, 35′ AGL/5058′ MSL.
Tree 2250′ from DER, 1009′ right of centerline, 85′ AGL/5099′ MSL.
Rwy 35: Bush 68′ from DER, 499′ right of centerline, 5′ AGL/4990′ MSL.

TAKEOFF MINIMUMS

Rwy 17: Standard.
Rwy 35: Standard with minimum climb of 260′ per NM to 9400.

NOTE: GPS required.

NOTE: RNAV 1.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb heading 168° to 5540, then direct ACAGO, thence. . . .

TAKEOFF RUNWAY 35: Climb heading 348° to 5500, then direct ELETE, thence. . . .

. . . .on depicted route to DTA VORTAC. Climb to 11000 or ATC assigned altitude.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

NOGALES, ARIZONA | AL-6151 (FAA) | 25163

APP CRS	Rwy Ldg	N/A
139°	TDZE	N/A
	Apt Elev	3955

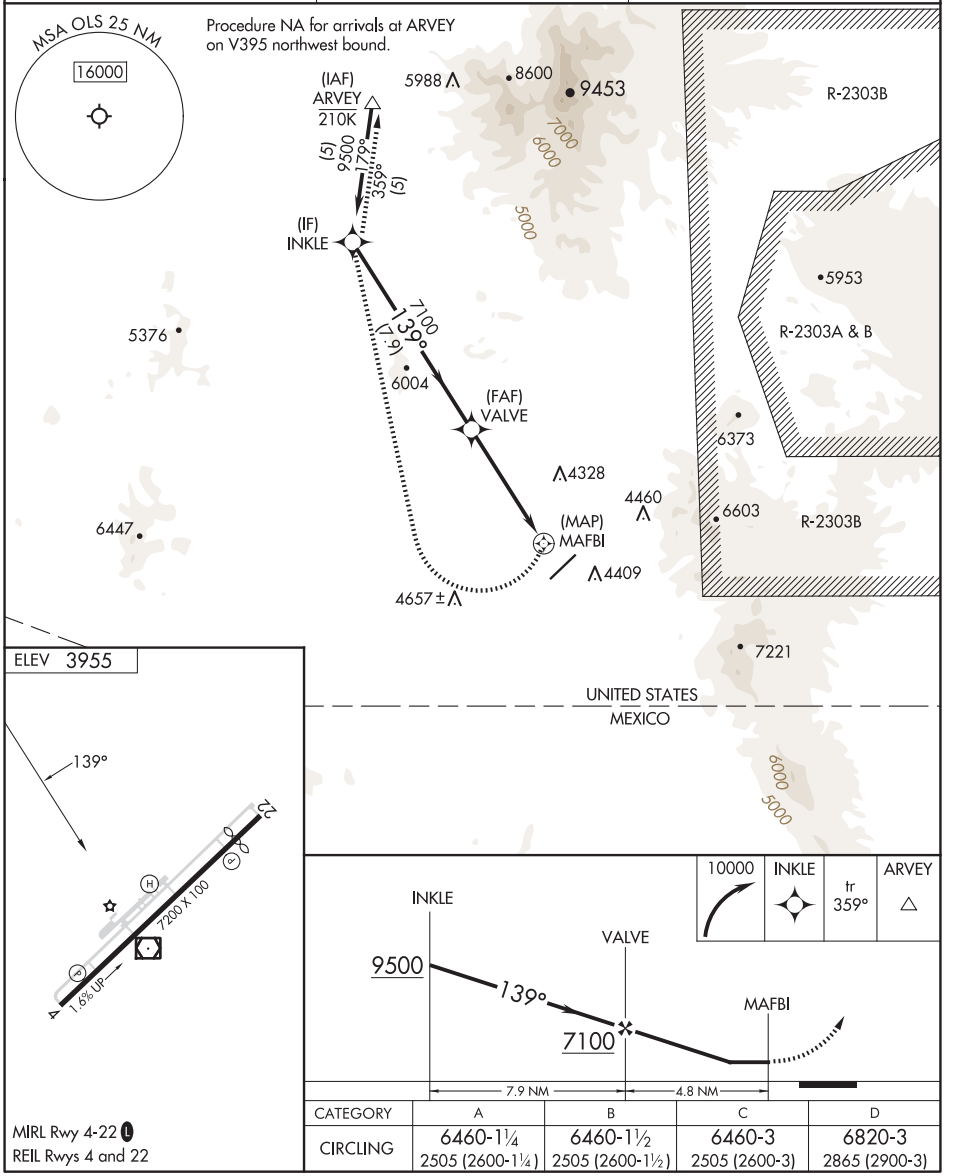
RNAV (GPS)-A
NOGALES INTL (OLS)

RNP APCH - GPS.

When local altimeter setting not received, procedure NA.

MISSED APPROACH: (Do not exceed 200K until INKLE) Climbing right turn to 10000 direct INKLE and on track 359° to ARVEY.

ASOS	TUCSON APP CON	UNICOM
121.125	118.75 269.55	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	6460-1¼ 2505 (2600-1¼)	6460-1½ 2505 (2600-1½)	6460-3 2505 (2600-3)	6820-3 2865 (2900-3)

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

SW-4, 07 AUG 2025 to 02 OCT 2025

VOR/DME OLS	APP CRS	Rwy Ldg	N/A
114.65	139°	TDZE	N/A
Chan 93(Y)		Apt Elev	3955

VOR-B
NOGALES INTL (OLS)

DME required.

When local altimeter setting not received, procedure NA.

MISSED APPROACH: Climbing right turn to 10000 on heading 326° and TUS R-176 to ARVEY/TUS 24.3 DME.

ASOS	TUCSON APP CON	UNICOM
121.125	118.75 269.55	122.8 (CTAF) L

Procedure NA for arrivals at ARVEY on V395 northwest bound.

MSA OLS 25 NM
120° 16000
8100
280° 8500
010°

(IAF) ARVEY TUS 24.3
116.0 TUS Chan 107
9500 176° (5)
R-319

(IF) INKLE INT TUS 29.3 OLS 13.9
R-176
7100 139° 6.7

VALVE OLS 6

MAFBI OLS 1.2

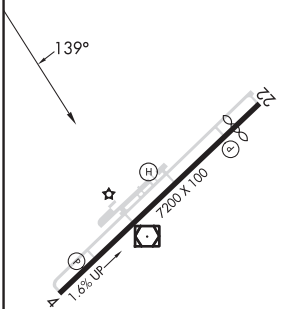
NOGALES 114.65 OLS Chan 93(Y)

5988 8600 9453 7000 6000 5000
5376 6004 6447 4328 4460 4409 4657±
6373 6603 5953 7221

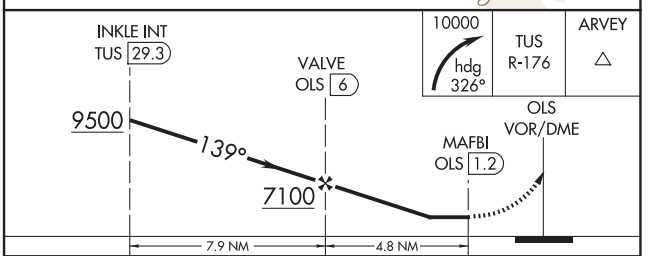
R-2303B R-2303A & B R-2303B

UNITED STATES
MEXICO

ELEV 3955



MIRL Rwy 4-22 L
REIL Rwys 4 and 22



CATEGORY	A	B	C	D
CIRCLING	6640-1¼ 2685 (2700-1¼)	6640-1½ 2685 (2700-1½)	6640-3 2685 (2700-3)	6820-3 2865 (2900-3)

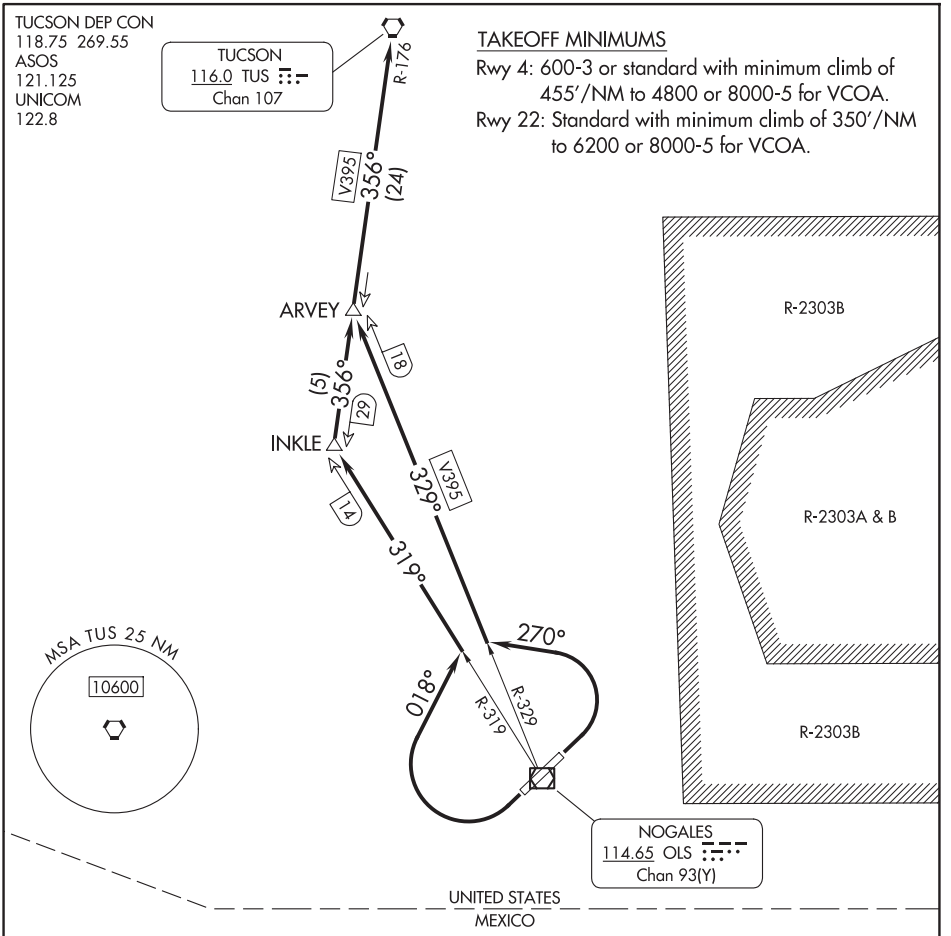
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(OLS3.OLS) 24081

NOGALES THREE DEPARTURE (OBSTACLE)

AL-6151 (FAA)

NOGALES INTL (OLS)
NOGALES, ARIZONA



TAKEOFF MINIMUMS

Rwy 4: 600-3 or standard with minimum climb of 455'/NM to 4800 or 8000-5 for VCOA.

Rwy 22: Standard with minimum climb of 350'/NM to 6200 or 8000-5 for VCOA.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climbing left turn heading 270° to intercept OLS VOR/DME R-329 to ARVEY INT/OLS 18 DME, thence. . . .

TAKEOFF RUNWAY 22: Climbing right turn heading 018° to intercept OLS VOR/DME R-319 to INKLE INT/OLS 14 DME, to TUS R-176 to ARVEY INT/OLS 18 DME, thence. . . .

VCOA ALL RUNWAYS: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Nogales Intl Airport at or above 11800, Max 210K, before proceeding on course, thence. . . .

. . . .on TUS VORTAC R-176 to cross TUS VORTAC at or above MEA/MCA for assigned route of flight.

TAKEOFF OBSTACLE NOTES

Rwy 4: Tree 58′ from DER, 455′ left of centerline, 3963′ MSL. Tree 80′ from DER, 174′ right of centerline, 6′ AGL/3958′ MSL. Trees beginning 97′ from DER, 446′ left of centerline, up to 15′ AGL/3964′ MSL. Tree 252′ from DER, 43′ right of centerline, 5′ AGL/3962′ MSL. Tree 261′ from DER, 463′ left of centerline, 3971′ MSL. Trees beginning 308′ from DER, 37′ right of centerline, up to 6′ AGL/ 3964′ MSL. Trees, fence beginning 334′ from DER, 136′ left of centerline, up to 3987′ MSL. Trees beginning 368′ from DER, 64′ right of centerline, up to 3991′ MSL. Tree, terrain beginning 603′ from DER, 546′ right of centerline, up to 3993′ MSL. Trees, fence, terrain beginning 659′ from DER, 13′ left of centerline, up to 3995′ MSL. Trees, terrain, fence beginning 833′ from DER, 50′ right of centerline, up to 4010′ MSL. Tree, terrain beginning 1179′ from DER, 118′ left of centerline, up to 5′ AGL/ 3996′ MSL. Trees, terrain beginning 1199′ from DER, 97′ right of centerline, up to 4036′ MSL. Trees, terrain beginning 1241′ from DER, 66′ left of centerline, up to 4018′ MSL. Tree, terrain beginning 1412′ from DER, 90′ right of centerline, up to 4043′ MSL. Vehicles on road, terrain beginning 1624′ from DER, 642′ left of centerline, up to 4028′ MSL. Terrain beginning 1637′ from DER, 2′ right of centerline, up to 4052′ MSL. Trees, vehicles on road, terrain beginning 1688′ from DER, 45′ left of centerline, up to 4035′ MSL. Terrain beginning 1825′ from DER, 38′ right of centerline, up to 4067′ MSL. Pole, vehicles on road, trees beginning 1853′ from DER, 475′ left of centerline, up to 21′ AGL/4043′ MSL. Terrain 2033′ from DER, 186′ left of centerline, 4047′ MSL. Trees, vehicles on road, terrain beginning 2041′ from DER, 74′ left of centerline, up to 7′ AGL/4052′ MSL. Terrain 2221′ from DER, 269′ left of centerline, 4055′ MSL. Trees, vehicles on road, terrain beginning 2253′ from DER, 170′ left of centerline, up to 18′ AGL/4080′ MSL. Terrain beginning 2354′ from DER, 20′ right of centerline, up to 4068′ MSL. Trees, vegetation vehicles on road, pole, terrain beginning 2491′ from DER, 55′ left of centerline, up to 14′ AGL/4093′ MSL. Terrain beginning 2539′ from DER, 125′ right of centerline, up to 4087′ MSL. Vehicles on road 2657′ from DER, 32′ left of centerline, 15′ AGL/ 4095′ MSL. Vehicles on road, trees, terrain beginning 2672′ from DER, 6′ left of centerline, up to 15′ AGL/4096′ MSL. Vehicles on road, terrain beginning 2688′ from DER, 2′ right of centerline, up to 15′ AGL/4096′ MSL. Terrain, vehicles on road beginning 2768′ from DER, 98′ right of centerline, up to 4112′ MSL. Vehicles on road 2987′ from DER, 530′ right of centerline, 4117′ MSL. Vehicles on road 2995′ from DER, 635′ right of centerline, 4121′ MSL. Vehicles on road, terrain beginning 3009′ from DER, 489′ right of centerline, up to 4123′ MSL. Vehicles on road, terrain beginning 3351′ from DER, 12′ right of centerline, up to 4130′ MSL. Vehicles on road, terrain beginning 3449′ from DER, 633′ right of centerline, up to 4143′ MSL. Vehicles on road 3499′ from DER, 1364′ right of centerline, 4149′ MSL. Vehicles on road, terrain, vegetation beginning 3570′ from DER, 101′ right of centerline, up to 4155′ MSL. Terrain beginning 3581′ from DER, 42′ left of centerline, up to 4112′ MSL. Terrain beginning 4127′ from DER, 627′ right of centerline, up to 4156′ MSL. Tree, terrain beginning 4143′ from DER, 768′ right of centerline, up to 4180′ MSL. Trees, terrain beginning 4262′ from DER, 426′ right of centerline, up to 4184′ MSL. Tree, terrain beginning 4495′ from DER, 709′ right of centerline, up to 4210′ MSL. Terrain beginning 4627′ from DER, 1171′ right of centerline, up to 4217′ MSL. Trees, terrain beginning 4737′ from DER, 216′ right of centerline, up to 4223′ MSL. Tree, terrain beginning 5806′ from DER, 343′ right of centerline, up to 4241′ MSL. Trees, terrain beginning 5953′ from DER, 409′ right of centerline, up to 4254′ MSL. Trees, terrain beginning 1 NM from DER, 58′ right of centerline, up to 4256′ MSL. Tree, terrain beginning 1 NM from DER, 1260′ left of centerline, up to 4136′ MSL. Trees, terrain beginning 1.1 NM from DER, 433′ left of centerline, up to 4151′ MSL. Trees, pole, terrain beginning 1.2 NM from DER, 75′ left of centerline, up to 16′ AGL/4221′ MSL. Trees, vegetation, terrain beginning 1.3 NM from DER, 84′ left of centerline, up to 4254′ MSL. Trees, terrain beginning 1.4 NM from DER, 25′ left of centerline, up to 11′ AGL/4283′ MSL. Tree, terrain beginning 1.4 from DER, 140′ right of centerline, up to 4326′ MSL. Tree, terrain beginning 1.5 NM from DER, 79′ right of centerline, up to 11′ AGL/4327′ MSL. Tree, terrain beginning 1.7 NM from DER, 639′ right of centerline, up to 4345′ MSL. Tree, terrain beginning 1.8 NM from DER, 172′ right of centerline, up to 4367′ MSL. Tree, terrain beginning 1.9 NM from DER, 628′ right of centerline, up to 4384′ MSL. Terrain, vehicles on road, trees beginning 2 NM from DER, 935′ right of centerline, up to 4406′ MSL. Terrain 2.1 NM from DER, 616′ left of centerline, 4299′ MSL. Terrain, vehicles on road, trees beginning 2.2 NM from DER, 1859′ right of centerline, 234′ left of centerline, up to 4451′ MSL. Terrain, trees, vehicles on road, beginning 2.3 NM from DER, 835′ right of centerline, up to 14′ AGL/4535′ MSL.

Rwy 22: Tree 3′ from DER, 445′ left of centerline, 3847′ MSL. Tree 19′ from DER, 141′ left of centerline, 10′ AGL/3848′ MSL. Tree 29′ from DER, 339′ left of centerline, 3849′ MSL. Tree, vegetation beginning 45′ from DER, 201′ left of centerline, up to 17′ AGL/3851′ MSL. Tree 48′ from DER, 504′ right of centerline, 3845′ MSL. Tree, vegetation beginning 112′ from DER, 49′ right of centerline, up to 24′ AGL/3854′ MSL. Vehicles on road, tree beginning 2 NM from DER, 3648′ left of centerline, up to 15′ AGL/4208′ MSL. Tree 2.3 NM from DER, 3969′ left of centerline, 11′ AGL/4219′ MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 3

OGDEN-HINCKLEY (OGD)

LOC/DME I-OGD	APP CRS	Rwy Ldg	7253
111.7	034°	TDZE	4473
Chan 54		Apt Elev	4473

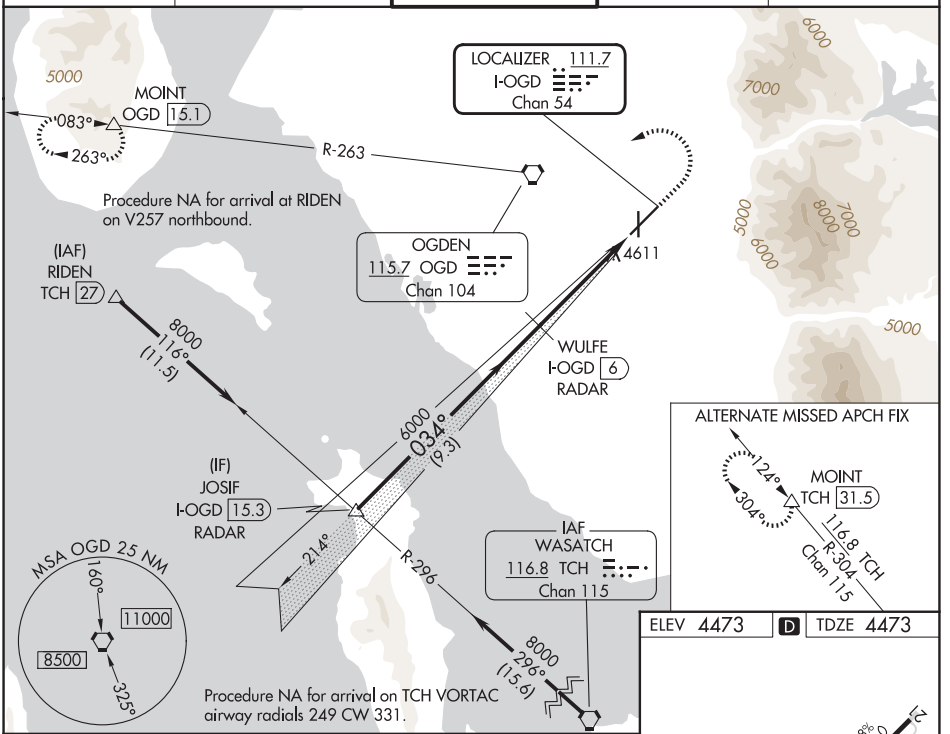
DME required. RADAR required for procedure entry.

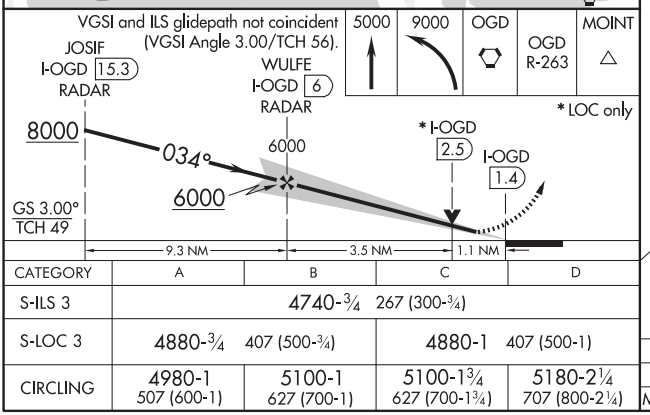
Rwy 3 helicopter visibility reduction below ¾ SM NA. For inop ALS, increase S-ILS 3 all Cats visibility to ⅞ SM. For inop ALS, increase S-LOC 3 Cat C/D visibility to 1 ⅛ SM. Circling NA for Cats C and D east of Rwys 21 and 35.

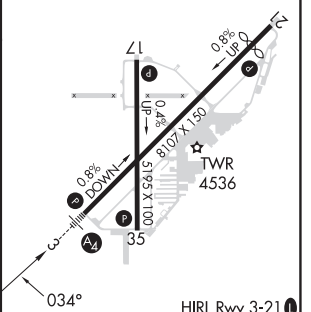
MALS

MISSED APPROACH: Climb to 5000 then climbing left turn to 9000 direct OGD VORTAC and on OGD VORTAC R-263 to MOINT/OGD 15.1 DME and hold, continue climb-in-hold to 9000.

ATIS	SALT LAKE CITY APP CON	OGDEN TOWER★	GND CON	UNICOM
125.55	121.1	118.7 (CTAF) L 253.5	121.7	122.95







CATEGORY	A	B	C	D
S-ILS 3	4740-¾ 267 (300-¾)			
S-LOC 3	4880-¾ 407 (500-¾)		4880-1 407 (500-1)	
CIRCLING	4980-1 507 (600-1)	5100-1 627 (700-1)	5100-1¾ 627 (700-1¾)	5180-2¼ 707 (800-2¼)

HIRL Rwy 3-21 L
MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

FAF to MAP 4.6 NM

Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 3

OGDEN-HINCKLEY (OGD)

WAAS CH 65620 W03A	APP CRS 034°	Rwy Ldg 7253 TDZE 4473 Apt Elev 4473

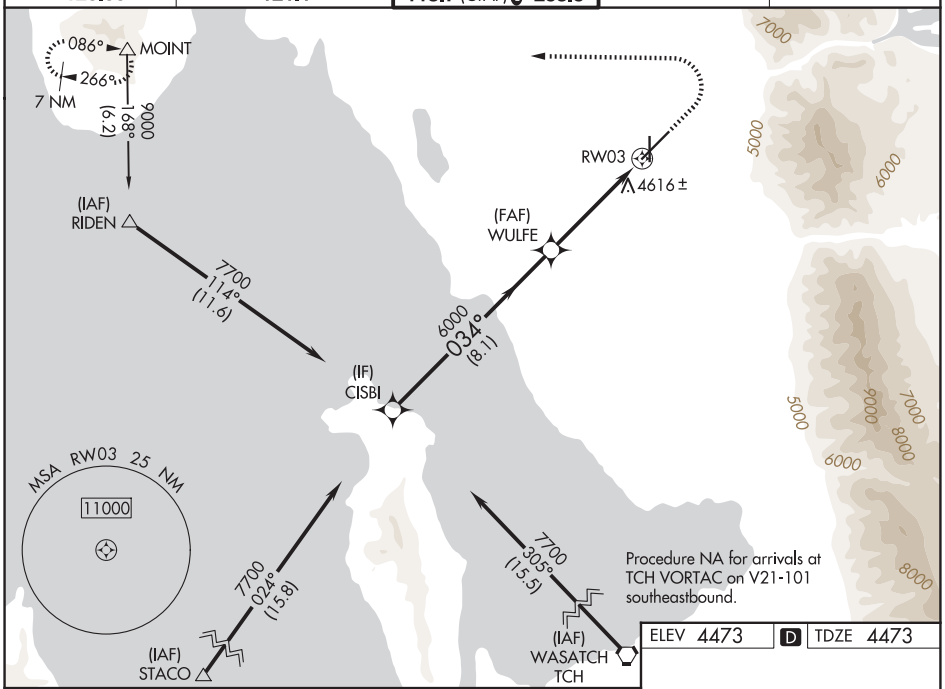
RNP APCH.

Baro-VNAV and VDP NA when using Hill AFB altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 50°C. When local altimeter setting not received, use Hill AFB altimeter setting. Circling NA for Cats C and D east of Rwys 21 and 35. For Inop ALS, increase LPV all Cats visibility to ⅞ SM, increase LNAV/VNAV all Cats and LNAV Cat C/D visibility to 1⅛ SM.

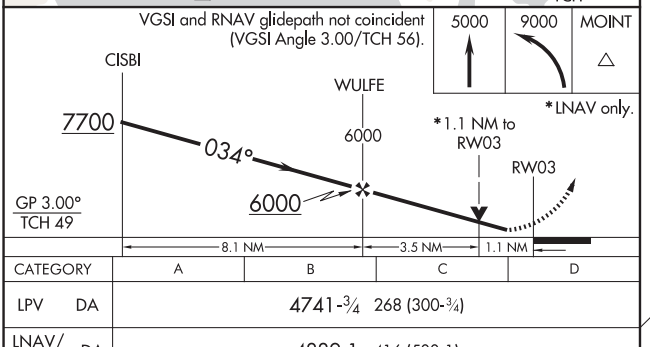
MALS

MISSED APPROACH: Climb to 5000 then climbing left turn to 9000 direct MOINT and hold, continue climb-in-hold to 9000.

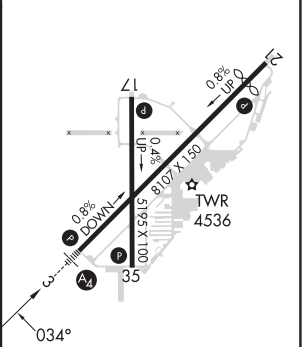
ATIS	SALT LAKE CITY APP CON	OGDEN TOWER*	GND CON	UNICOM
125.55	121.1	118.7 (CTAF) L 253.5	121.7	122.95



ELEV 4473	D	TDZE 4473



CATEGORY	A	B	C	D
LPV DA	4741-¾ 268 (300-¾)			
LNAV/VNAV DA	4889-1 416 (500-1)			
LNAV MDA	4880-¾ 407 (500-¾)		4880-1 407 (500-1)	
CIRCLING	4980-1 507 (600-1)	5100-1 627 (700-1)	5100-1¾ 627 (700-1¾)	5180-2¼ 707 (800-2¼)



HIRL Rwy 3-21 L
MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

OGDEN, UTAH | AL-297 (FAA) | 25219

VORTAC OGD 115.7 Chan 104	APP CRS 101°	Rwy Ldg N/A TDZE N/A Apt Elev 4473

VOR-A

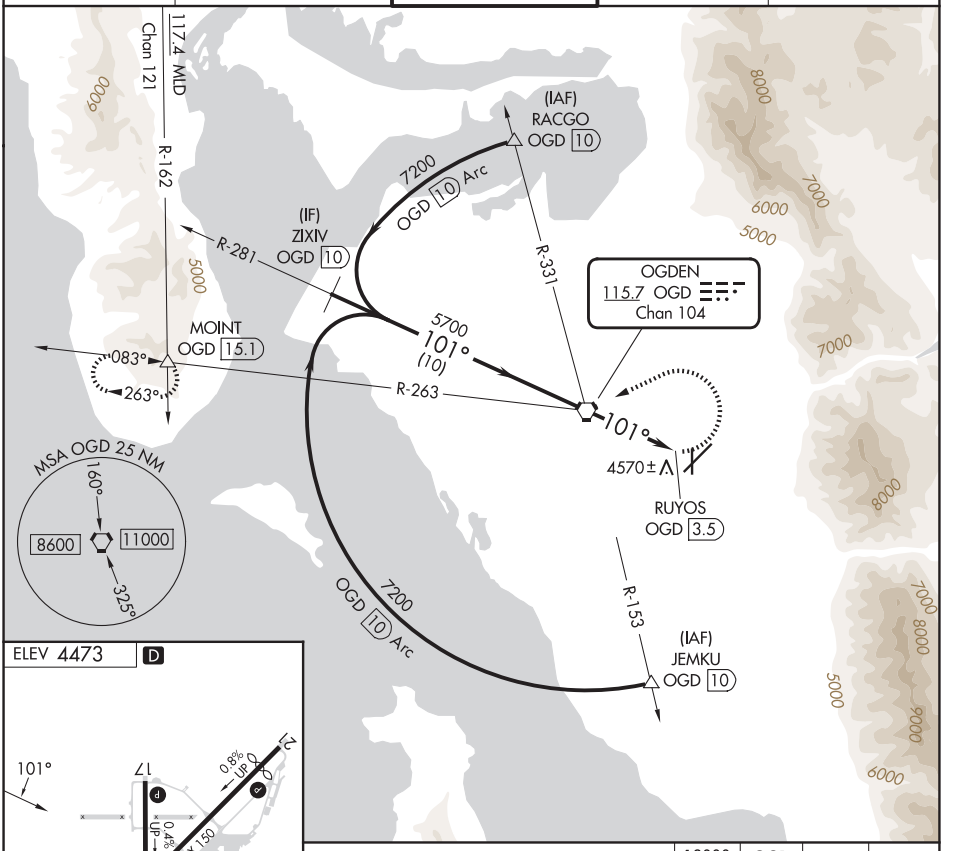
OGDEN-HINCKLEY (OGD)

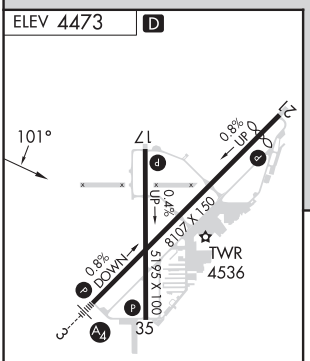
DME or RADAR required.

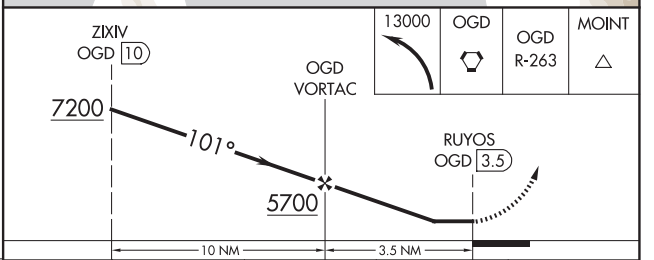
Circling NA for Cat C/D east of Rwys 21 and 35.

MISSED APPROACH: Climbing left turn to 13000 direct OGD VORTAC and on OGD VORTAC R-263 to MOINT/15.1 DME and hold, continue climb-in-hold to 13000.

ATIS	SALT LAKE CITY APP CON	OGDEN TOWER★	GND CON	UNICOM
125.55	121.1	118.7 (CTAF) L 253.5	121.7	122.95



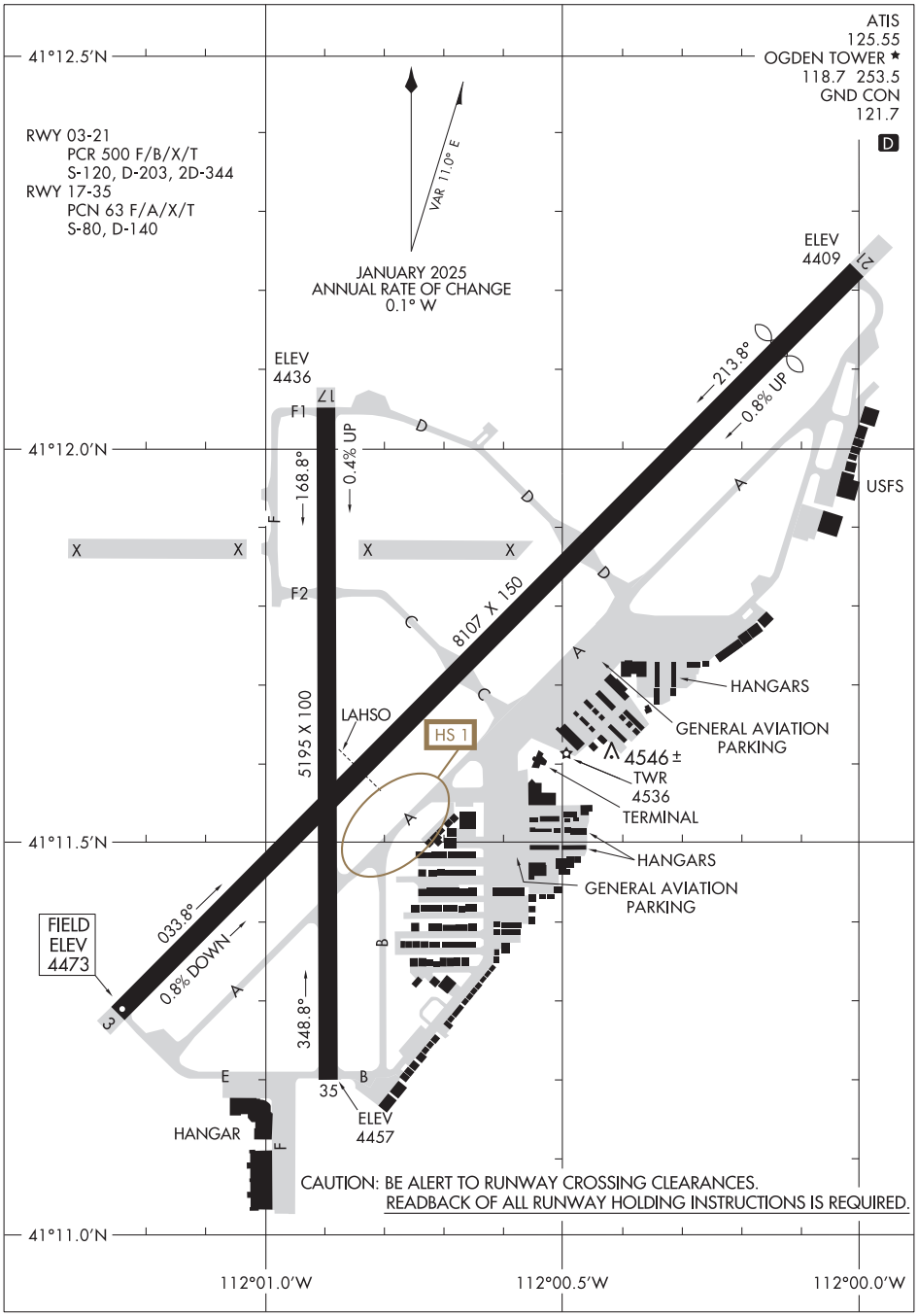




FAF to MAP 3.5 NM					
Knots	60	90	120	150	180
Min:Sec	3:30	2:20	1:45	1:24	1:10

CATEGORY	A	B	C	D
CIRCLING	4980-1 507 (600-1)	5100-1 627 (700-1)	5100-1¾ 627 (700-1¾)	5180-2¼ 707 (800-2¼)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025

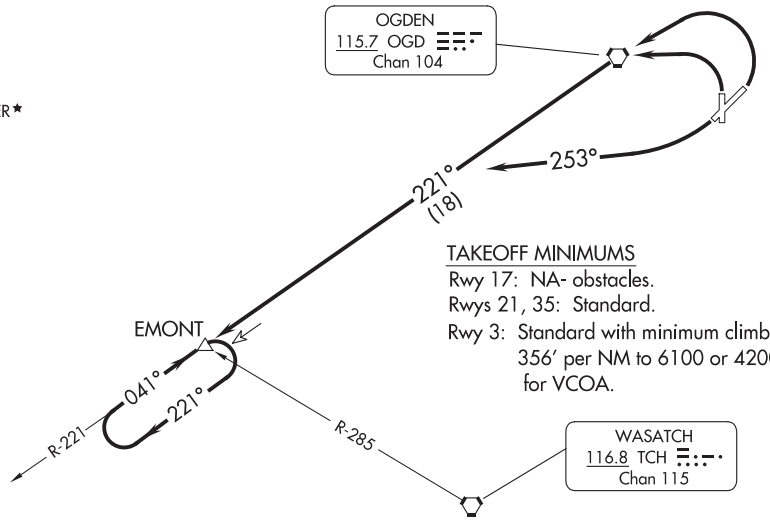
(EMONT3.EMONT) 23334

EMONT THREE DEPARTURE (OBSTACLE)

AL-297 (FAA)

OGDEN-HINCKLEY (OGD)
OGDEN, UTAH

SALT LAKE CITY DEP CON
121.1
ATIS
125.55
GND CON
121.7
OGDEN TOWER★
118.7 253.5



TAKEOFF MINIMUMS

Rwy 17: NA- obstacles.
Rwys 21, 35: Standard.
Rwy 3: Standard with minimum climb of 356′ per NM to 6100 or 4200-3 for VCOA.

TAKEOFF OBSTACLE NOTES

Rwy 3: Navaid, vehicle on road beginning 195′ from DER, 267′ right of centerline, up to 17′ AGL/4426′ MSL.
Pole 241′ from DER, 535′ left of centerline, 39′ AGL/4447′ MSL.
Pole 348′ from DER, 582′ right of centerline, 41′AGL/4451 MSL.
Trees, building beginning 375′ from DER, 62′ left of centerline, up to 4451′ MSL.
Tree, pole beginning 430′ from DER, 502′ right of centerline, up to 4455′ MSL.
Rwy 21: Tree 702′ from DER, 649′ left of centerline, 4492′ MSL.
Tree 1133′ from DER, 701′ left of centerline, 4513′ MSL.
Trees, building, pole beginning 2074′ from DER, 792′ left of centerline, up to 4570′ MSL.
Tree 3429′ from DER, 421′ right of centerline, 4561′ MSL.
Rwy 35: Tree 209′ from DER, 185′ left of centerline, 4446′ MSL.
Tree 243′ from DER, 233′ left of centerline, 4447′ MSL.
Trees beginning 292′ from DER, 87′ right of centerline, up to 4454′ MSL.
Tree 686′ from DER, 397′ right of centerline, 4479′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn direct OGD VORTAC then on OGD R-221 to EMONT INT/OGD 18 DME, thence. . . .
VCOA RUNWAY 3: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross OGD VORTAC southwest bound at or above 8500, then on OGD R-221 to EMONT, thence. . . .
TAKEOFF RUNWAY 21: Climbing right turn heading 253° to intercept OGD R-221 to EMONT INT/OGD 18 DME, thence. . . .
TAKEOFF RUNWAY 35: Climbing left turn direct OGD VORTAC then on OGD R-221 to EMONT INT/OGD 18 DME, thence. . . .

. . . .Climb in EMONT INT holding pattern to MEA for assigned route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 5

OWYHEE (1ØU)

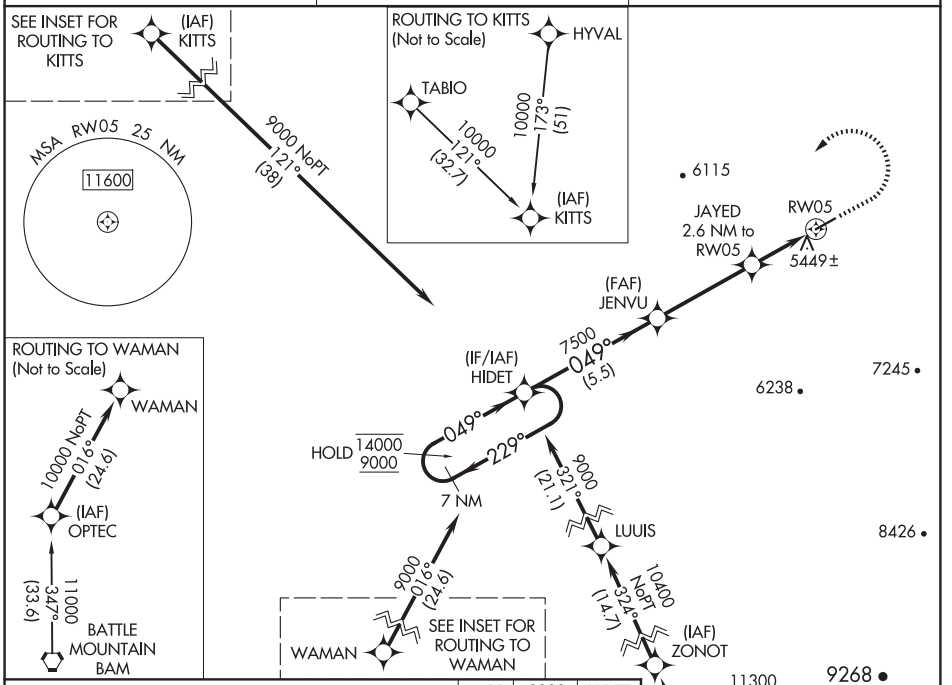
WAAS	APP CRS	Rwy Idg	4700
CH 56643	049°	TDZE	5377
W05A		Apt Elev	5377

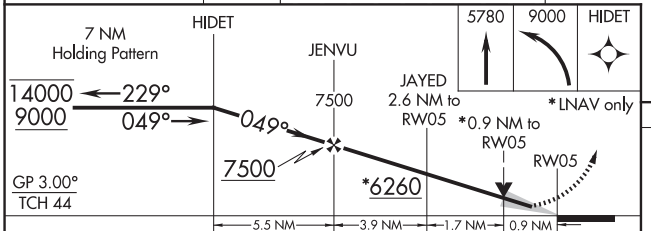
RNP APCH.

Circling Cats C/D NA southeast of Rwy 5-23.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -25°C or above 54°C.

MISSED APPROACH: Climb to 5780 then climbing left turn to 9000 direct HIDET and hold, continue climb-in-hold to 9000.
#Missed approach requires minimum climb of 250 feet per NM to 6500.

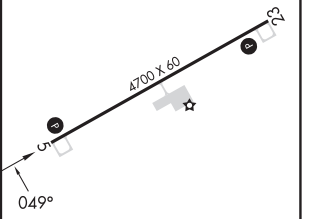
AWOS-3PT	SALT LAKE CENTER	CTAF
118.525	118.05 363.0	122.9 L





CATEGORY	A	B	C	D
LPV DA	5577-1 200 (200-1)			
LNAV/VNAV DA#	5627-1 250 (300-1)			
LNAV/VNAV DA	5627-1 250 (300-1)		5909-1½ 532 (600-1½)	5922-1⅝ 545 (600-1⅝)
LNAV MDA	5700-1 323 (400-1)			5960-1¾ 583 (600-1¾)
C CIRCLING	5760-1 383 (400-1)	5840-1 463 (500-1)	5840-1½ 463 (500-1½)	6860-3 1483 (1500-3)

ELEV 5377 TDZE 5377



MIRL Rwy 5-23 L
REIL Rwys 5 and 23 L

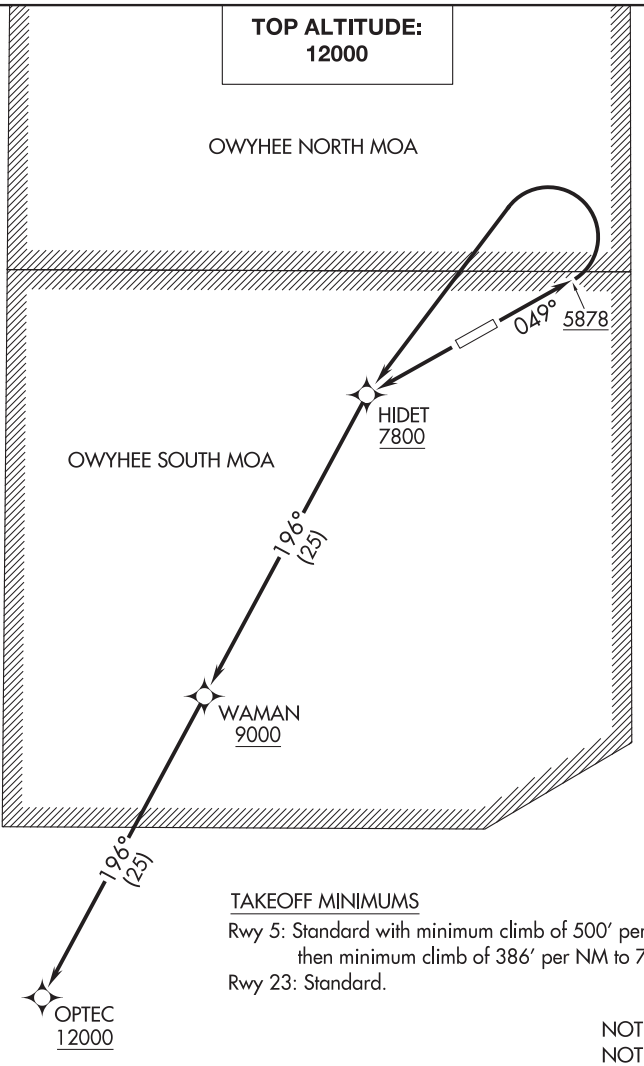
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(OPTEC1.OPTEC) 23110

OPTEC ONE DEPARTURE (RNAV)

AL-9858 (FAA)

OWYHEE (1ØU)
OWYHEE, NEVADA



TAKEOFF MINIMUMS

Rwy 5: Standard with minimum climb of 500' per NM to 5878, then minimum climb of 386' per NM to 7500.
Rwy 23: Standard.

NOTE: GPS required.
NOTE: RNAV 1.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 049° to 5878, then climbing left turn direct HIDET, cross HIDET at or above 7800, thence. . . .
TAKEOFF RUNWAY 23: Climb direct HIDET, cross HIDET at or above 7800, thence. . . .

. . . .climbing left turn on track 196° to cross WAMAN at or above 9000, then climb on track 196° to cross OPTEC at or above 12000.

OPTEC ONE DEPARTURE (RNAV)

OWYHEE, NEVADA
OWYHEE (1ØU)

(OPTEC1.OPTEC) 17JUN21

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	5950
CH 45604	156°	TDZE	4264
W15A		Apt Elev	4317

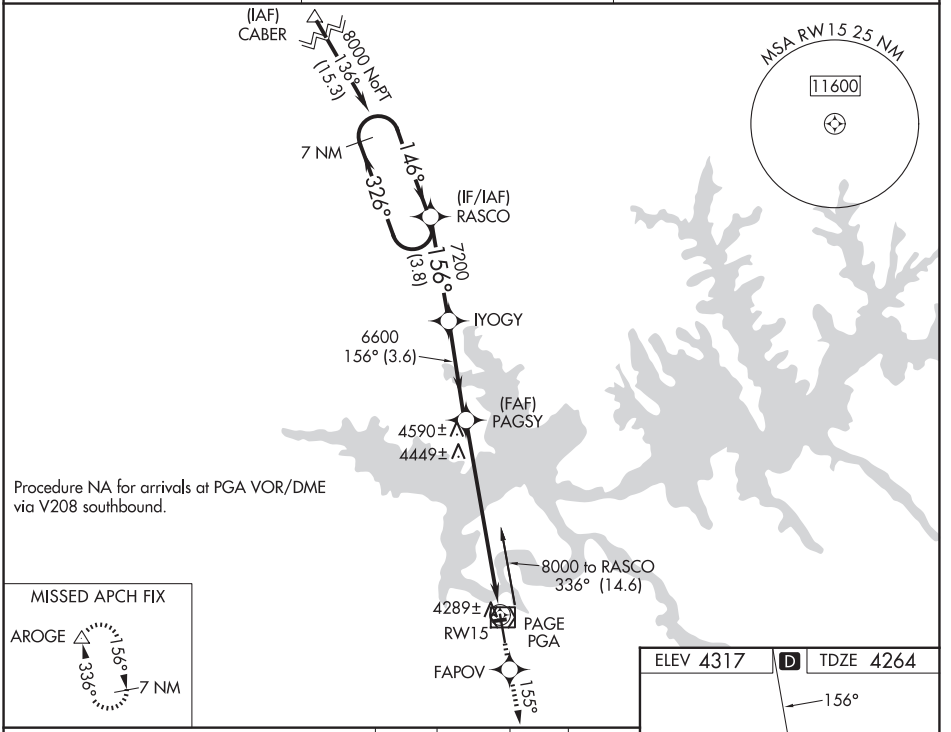
RNAV (GPS) RWY 15

PAGE MUNI (PGA)

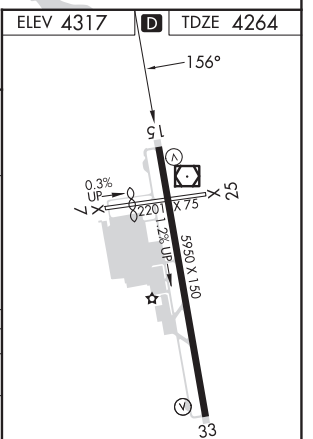
T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 41°C (105° F). DME/DME RNP-0.3 NA. Circling NA to Rwy 7-25

MISSED APPROACH: Climb to 9000 direct FAPOV and via 155° track to AROGE and hold, continue climb-in-hold to 9000.

ASOS	DENVER CENTER	UNICOM
120.625	127.55 256.875	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	4599-1¼ 335 (300-1¼)			
LNAV/VNAV DA	4670-1½ 406 (400-1½)			
LNAV MDA	4860-1 596 (600-1)		4860-1½ 596 (600-1½)	4860-1¾ 596 (600-1¾)
CIRCLING	4860-1 543 (600-1)	4880-1 563 (600-1)	5080-2¼ 763 (800-2¼)	5360-3 1043 (1100-3)



REIL Rwys 15 and 33 L
MIRL Rwy 15-33 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 33

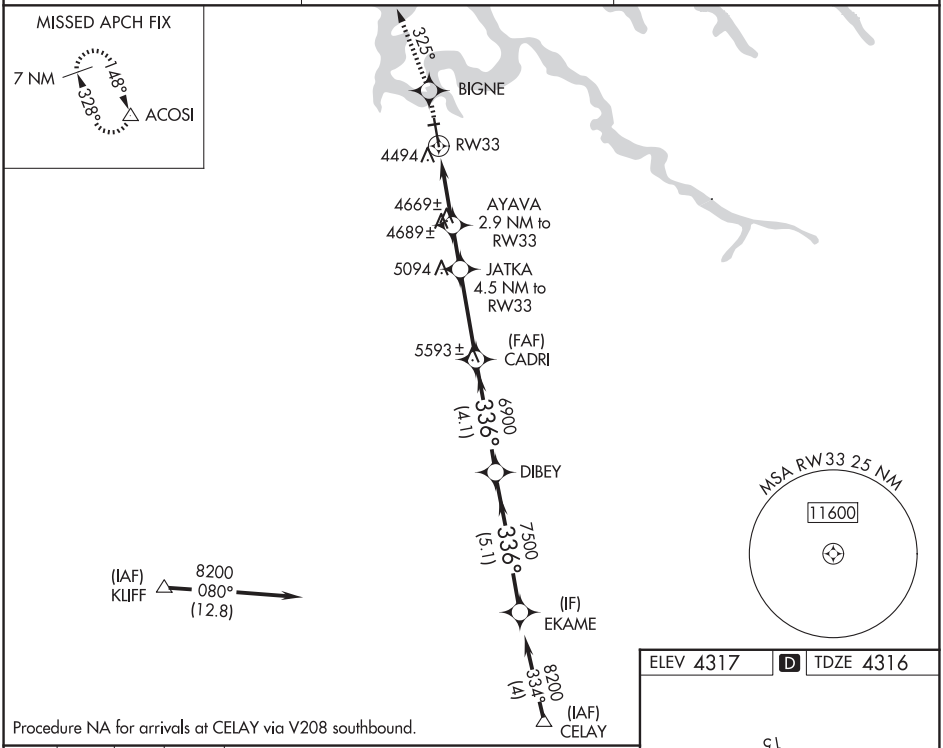
PAGE MUNI (PGA)

WAAS	APP CRS	Rwy Ldg	5950
CH 69204	336°	TDZE	4316
W33A		Apt Elev	4317

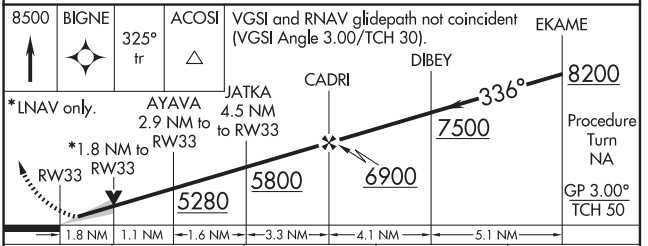
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 41°C (105°F). DME/DME RNP-0.3 NA. Circling NA to Rwy 7-25.

MISSED APPROACH: Climb to 8500 direct BIGNE and via 325° track to ACOSI and hold, continue climb-in-hold to 8500.

ASOS	DENVER CENTER	UNICOM
120.625	127.55 256.875	122.8 (CTAF) L

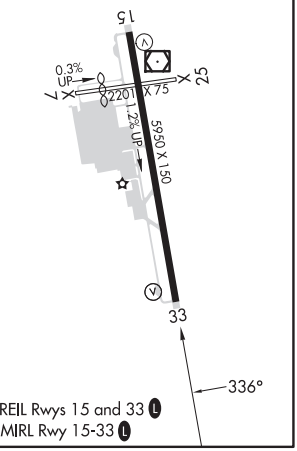


Procedure NA for arrivals at CELAY via V208 southbound.



CATEGORY	A	B	C	D
LPV DA	4566-1 250 (300-1)			
LNAV/VNAV DA	4744-1½ 428 (500-1½)			
LNAV MDA	4920-1 604 (700-1)		4920-1¾ 604 (700-1¾)	4920-2 604 (700-2)
CIRCLING	4920-1 603 (700-1)		5080-2¼ 763 (800-2¼)	5360-3 1043 (1100-3)

ELEV 4317 D TDZE 4316



REIL Rwys 15 and 33 L
MIRL Rwy 15-33 L

36°56′N-111°27′W

SW-4, 07 AUG 2025 to 02 OCT 2025

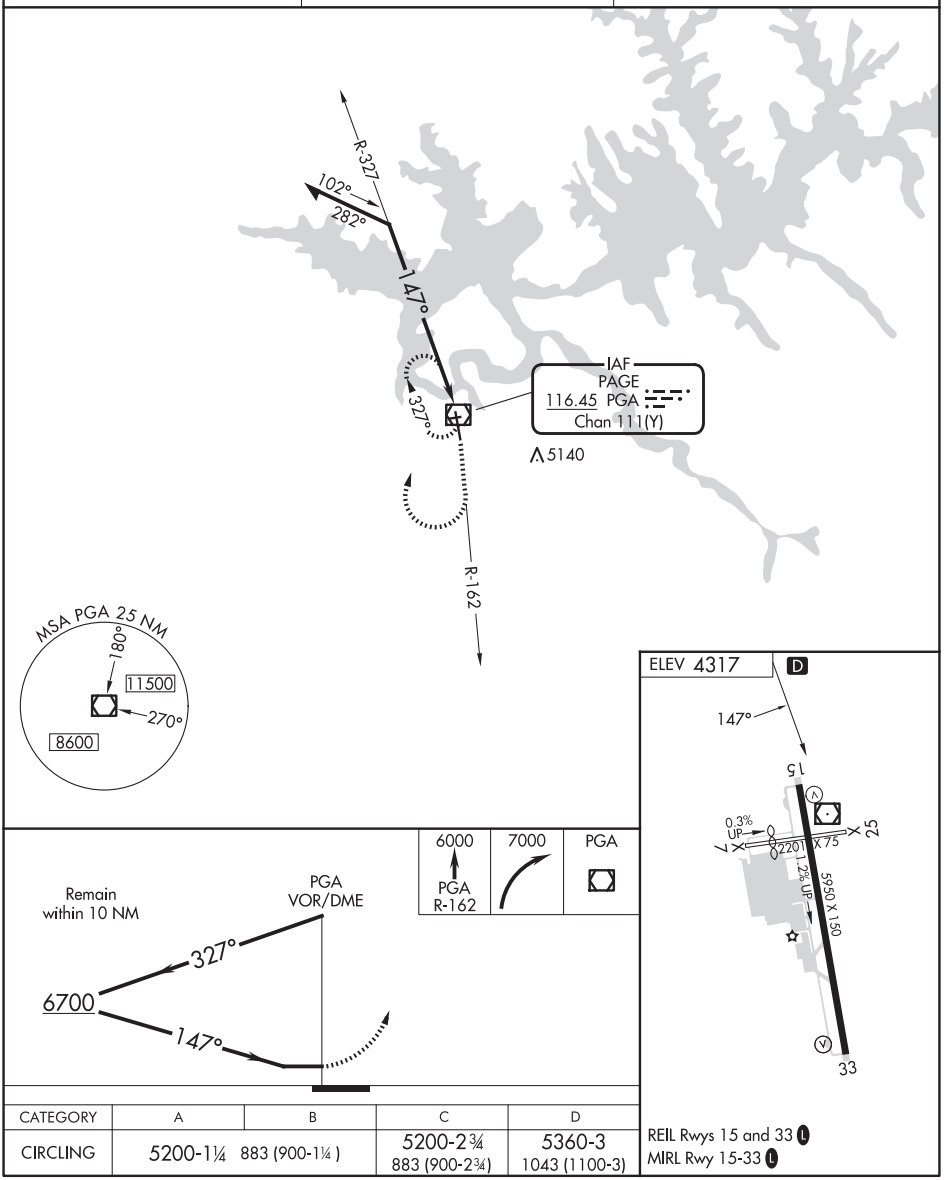
VOR/DME PGA	APP CRS	Rwy Ldg	N/A
116.45	147°	TDZE	N/A
Chan 111(Y)		Apt Elev	4317

VOR-B
PAGE MUNI (PGA)

T
A NA — Circling NA to Rwy 7-25.

MISSED APPROACH: Climb on the PGA R-162 to 6000, then climbing right turn to 7000 direct PGA VOR/DME and hold.

ASOS	DENVER CENTER	UNICOM
120.625	127.55 256.875	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	5200-1¼	883 (900-1¼)	5200-2¾ 883 (900-2¾)	5360-3 1043 (1100-3)

REIL Rwys 15 and 33 L
MIRL Rwy 15-33 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PANGUITCH, UTAH

AL-9439 (FAA)

25219

RNAV (GPS) RWY 18

PANGUITCH MUNI (U55)

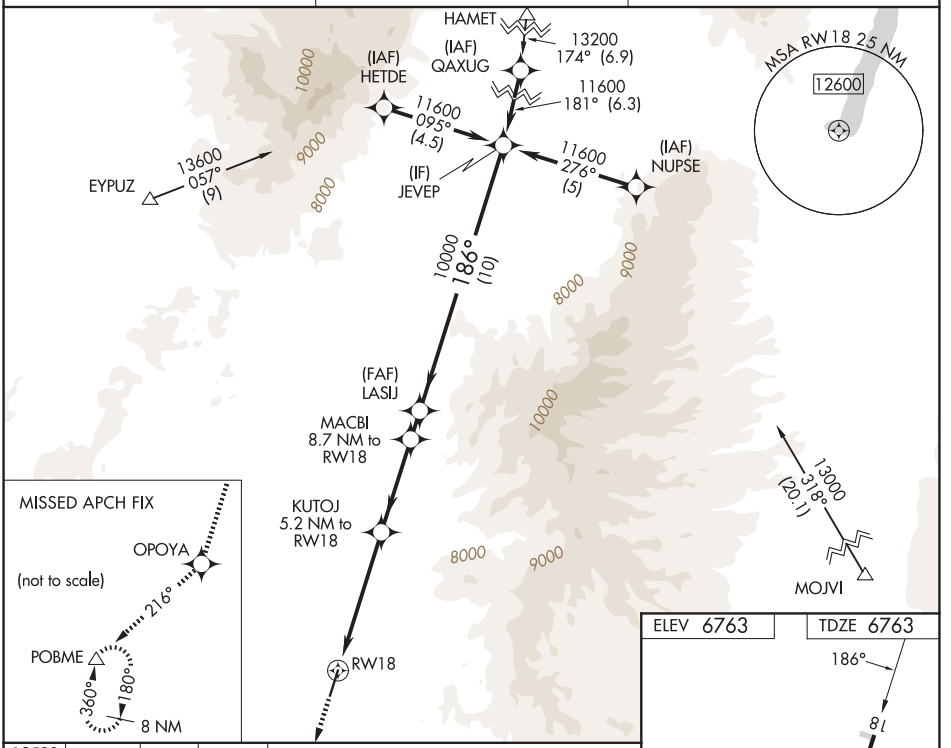
WAAS	APP CRS	Rwy Ldg	5700
CH 82418	186°	TDZE	6763
W18A		Apt Elev	6763

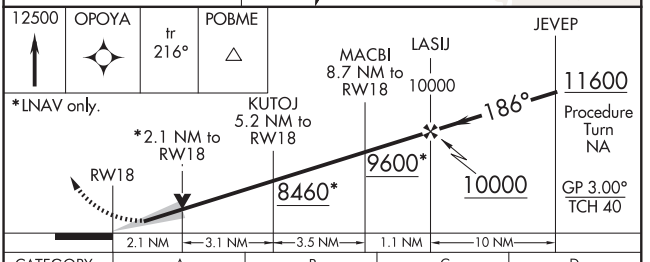
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -28°C (-18°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received use Bryce Canyon altimeter setting and increase all DA 149 feet and all MDA 160 feet, increase LPV visibility ¼ mile and increase LNAV visibility and Circling Cat B visibility ¼ mile. Baro-VNAV and VDP NA with Bryce Canyon altimeter setting.

-27°C

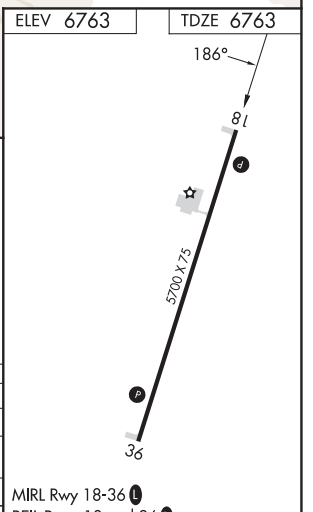
MISSED APPROACH: Climb to12500 direct OPOYA and on track 216° to POBME and hold, continue climb-in-hold 12500.

AWOS-3	SALT LAKE CENTER	CTAF
133.125	133.6 269.25	122.9 L





CATEGORY	A	B	C	D
LPV DA	6963-1	200 (200-1)	NA	
LNAV/VNAV DA	7331-2	568 (600-2)	NA	
LNAV MDA	7460-1	697 (700-1)	NA	
CIRCLING	7460-1	697 (700-1)	NA	



MIRL Rwy 18-36 L

REIL Rwys 18 and 36 L

PANGUITCH, UTAH

Orig-A 23APR20

37°51'N-112°24'W

PANGUITCH MUNI (U55)

RNAV (GPS) RWY 18

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 36

PANGUITCH MUNI (U55)

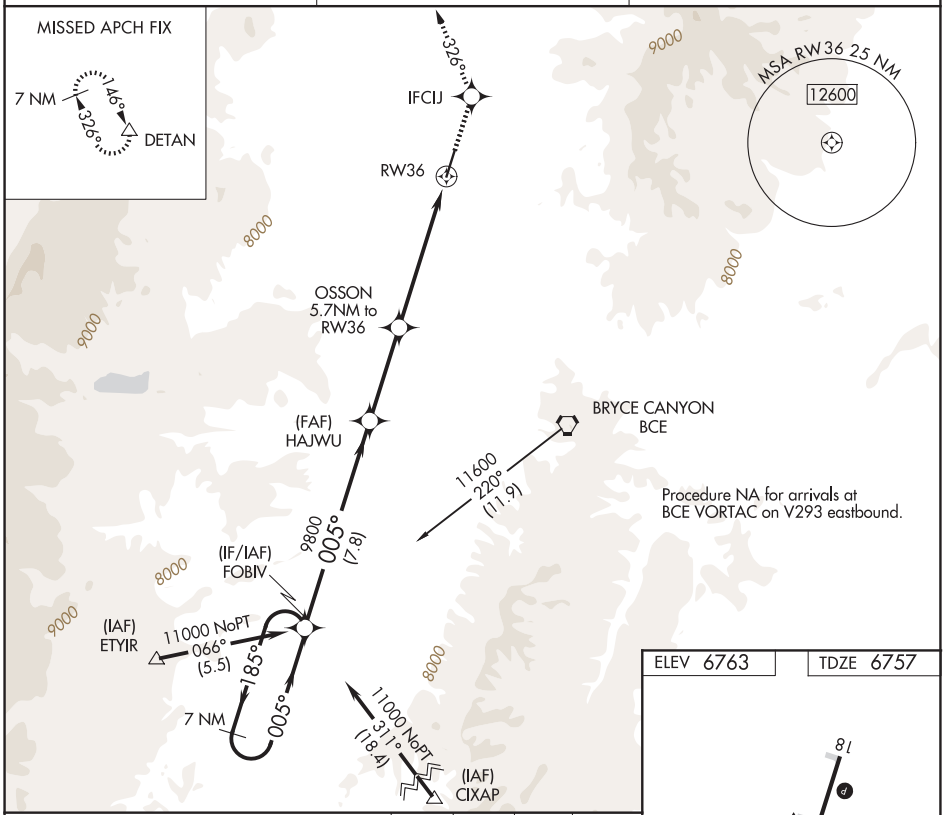
APP CRS	Rwy Ldg	5700
005°	TDZE	6757
	Apt Elev	6763

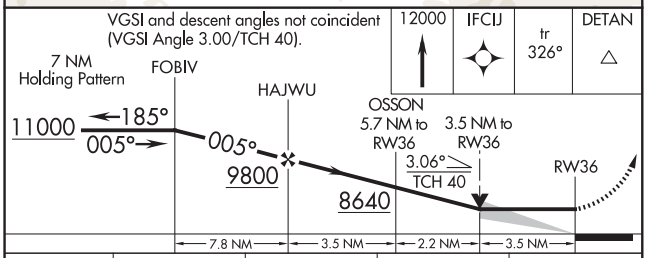
T A -27°C

DME/DME RNP-0.3 NA. When local altimeter setting not received use Bryce Canyon altimeter setting and increase all MDA 160 feet. VDP NA with Bryce Canyon altimeter setting.

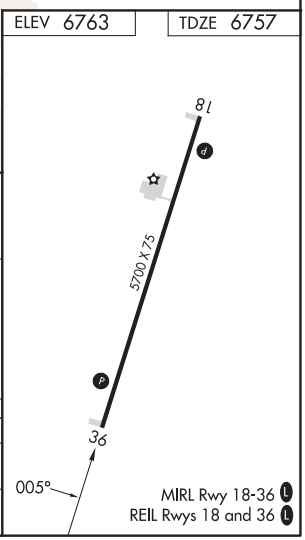
MISSED APPROACH: Climb to 12000 direct IFCIJ and on track 326° to DETAN and hold.

AWOS-3	SALT LAKE CENTER	CTAF
133.125	133.6 269.25	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	7900-1¼ 1143 (1200-1¼)	7900-1½ 1143 (1200-1½)	NA	
CIRCLING	7900-1¼ 1137 (1200-1¼)	7900-1½ 1137 (1200-1½)	NA	



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PARKER, ARIZONA AL-6633 (FAA) 23278

WAAS	APP CRS	Rwy Idg	6250
CH 72936	016°	TDZE	456
W02A		Apt Elev	458

RNAV (GPS) RWY 2

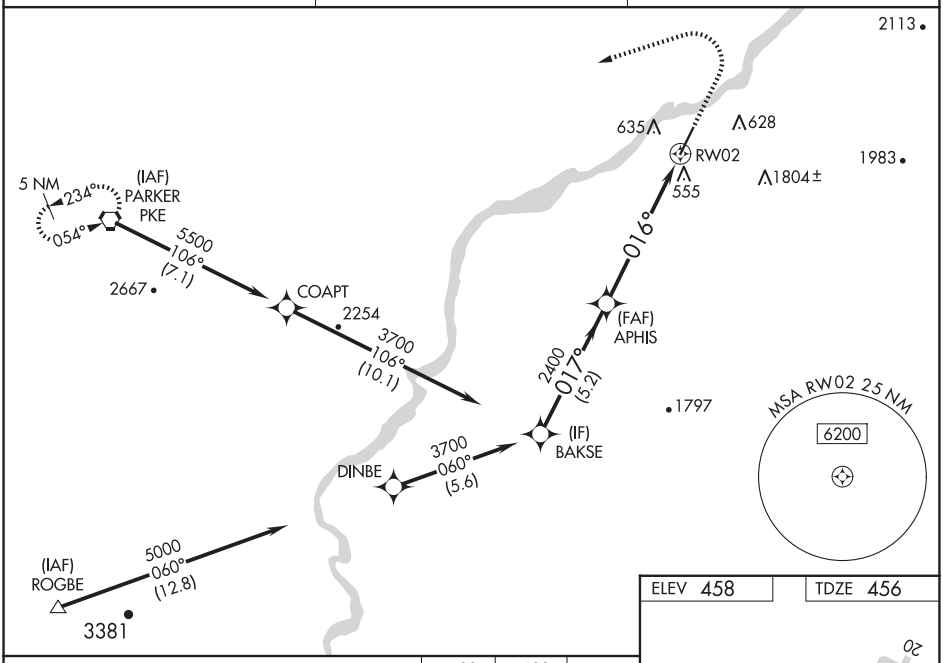
AVI SUQUILLA (P2Ø)

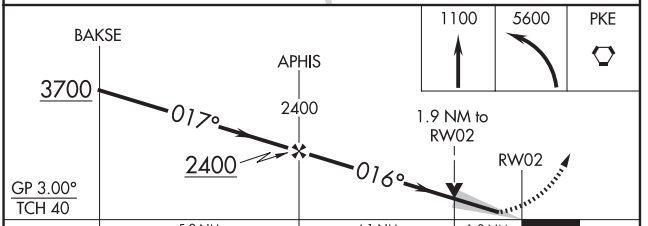
RNP APCH - GPS.

T NA For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C. Baro-VNAV and VDP NA when using Blythe altimeter setting. When local altimeter setting not received, use Blythe altimeter setting and increase LPV DA to 804 feet and all visibilities ¼ SM. Increase LNAV/VNAV DA to 1018 feet and all visibilities ¼ SM. Increase all MDAs 100 feet and LNAV visibility Cat B/C ¼ SM, and Circling visibility Cat B ¼ SM.

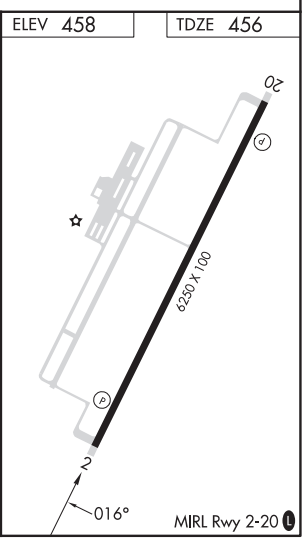
MISSED APPROACH: (Do not exceed 180K until PKE VORTAC) Climb to 1100, then climbing left turn to 5600 direct PKE VORTAC and hold, continue climb-in-hold to 5600.

AWOS-3PT	LOS ANGELES CENTER	UNICOM
132.75	128.15 285.6	122.725 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	706-¾ 250 (300-¾)			NA
LNAV/VNAV DA	920-1⅜ 464 (500-1⅜)			NA
LNAV MDA	1100-1 644 (700-1)		1100-3 644 (700-3)	NA
C CIRCLING	1100-1 642 (700-1)		1580-3 1122 (1200-3)	NA



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC PKE	APP CRS	Rwy Idg	N/A
117.9	067°	TDZE	N/A
Chan 126		Apt Elev	458

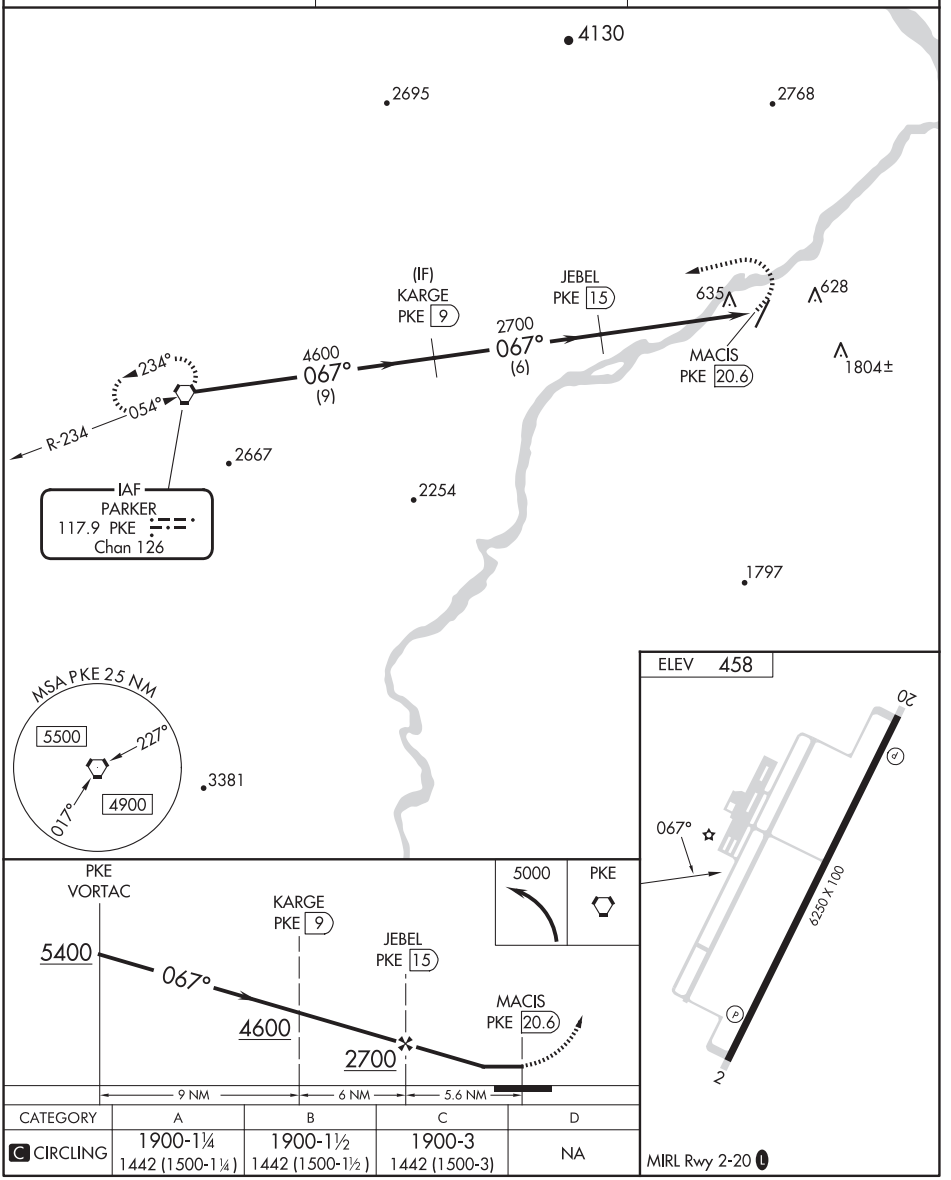
VOR/DME-A

AVI SUQUILLA (P2Ø)

When local altimeter setting not received, use Blythe altimeter setting and increase all MDA 100 feet.

MISSED APPROACH: Climbing left turn to 5000 direct PKE VORTAC and hold.

AWOS-3PT	LOS ANGELES CENTER	UNICOM
132.75	128.15 285.6	122.725 (CTAF)



CATEGORY	A	B	C	D
C CIRCLING	1900-1¼ 1442 (1500-1¼)	1900-1½ 1442 (1500-1½)	1900-3 1442 (1500-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PAYSON, ARIZONA | AL-6968 (FAA) | 25219

RNAV (GPS) RWY 24

PAYSON (PAN)

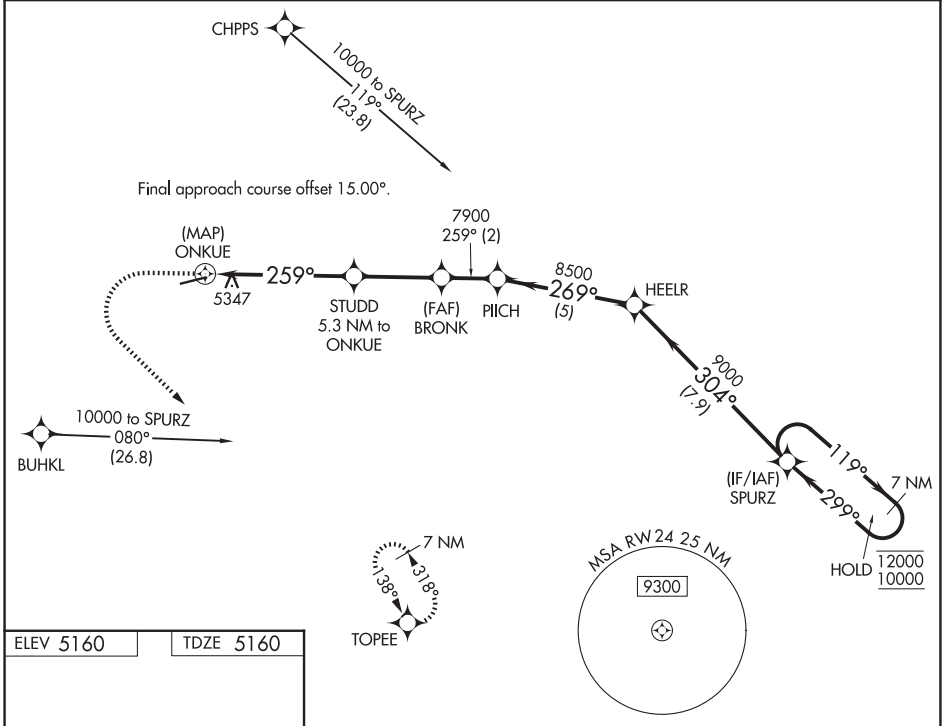
APP CRS	Rwy Ldg	5504
259°	TDZE	5160
	Apt Elev	5160

RNP APCH - GPS.

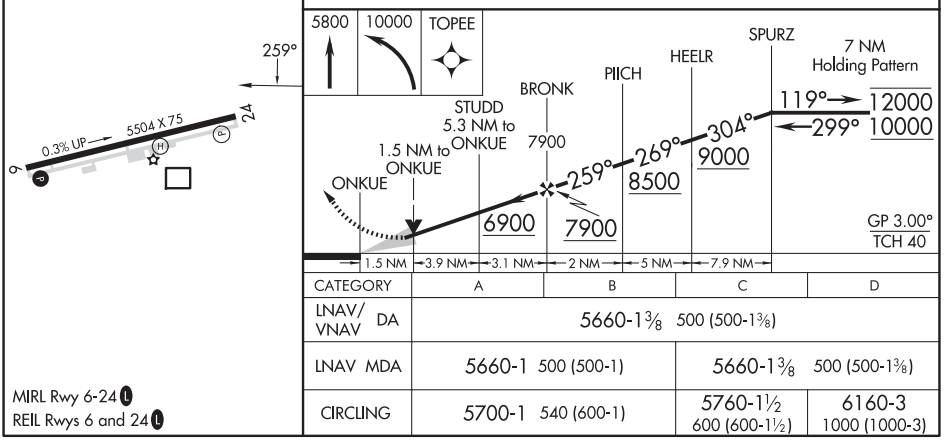
Baro-VNAV NA.
Circling to Rwy 6 NA at night.

MISSED APPROACH: Climb to 5800 then climbing left turn to 10000 direct TOPEE and hold, continue climb-in-hold to 10000.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.325	127.675 306.2	122.8 (CTAF) L



ELEV 5160 | TDZE 5160



CATEGORY	A	B	C	D
LNAV/VNAV DA	5660-1⅜ 500 (500-1⅜)			
LNAV MDA	5660-1 500 (500-1)		5660-1⅜ 500 (500-1⅜)	
CIRCLING	5700-1 540 (600-1)		5760-1½ 600 (600-1½)	6160-3 1000 (1000-3)

MIRL Rwy 6-24 L
REIL Rwys 6 and 24 L

PAYSON, ARIZONA
Orig 07AUG25

34°15′N-111°20′W

PAYSON (PAN)

RNAV (GPS) RWY 24

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Ldg	N/A
352°	TDZE	N/A
	Apt Elev	5157

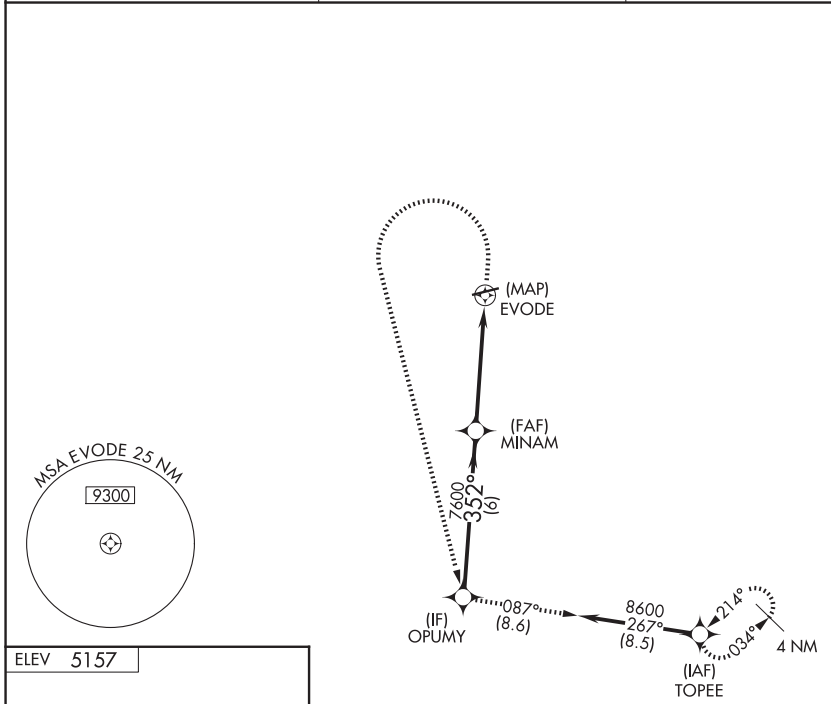
RNAV (GPS)-A

PAYSON (PAN)

T A NA — GPS or RNP- 0.3 required. DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 6700 then climbing left turn to 9000 direct OPUMY WP and via 087° track to TOPEE WP and hold.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.325	127.675 306.2	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	5700-1 543 (600-1)	5760-1 603 (700-1)	5860-2 703 (800-2)	6060-3 903 (1000-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-74 (FAA) | 25051

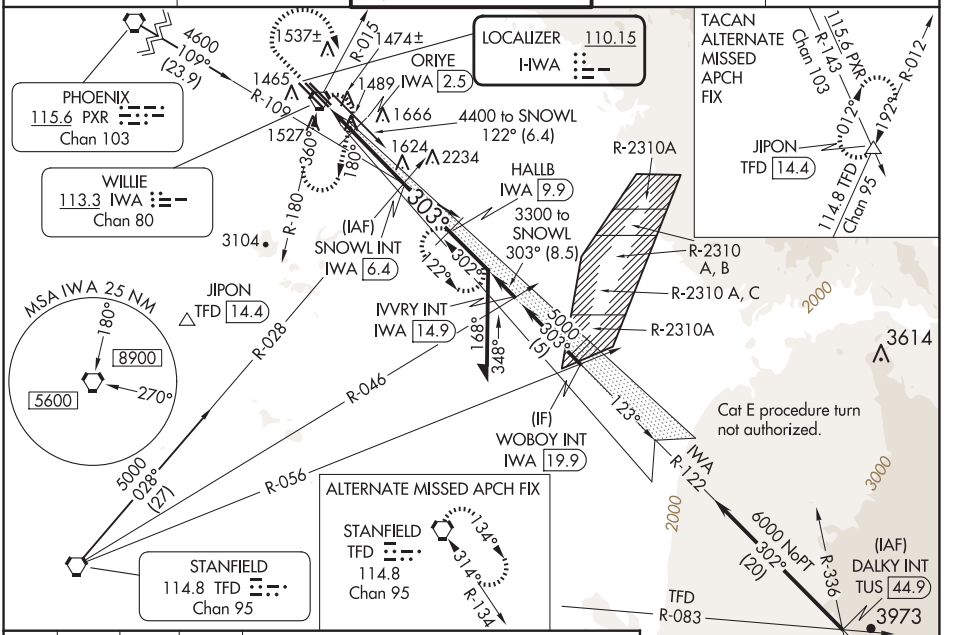
LOC I-IWA	APP CRS	Rwy Idg	10201
110.15	303°	TDZE	1380
		Apt Elev	1384

ILS or LOC RWY 30C
MESA GATEWAY (IWA)

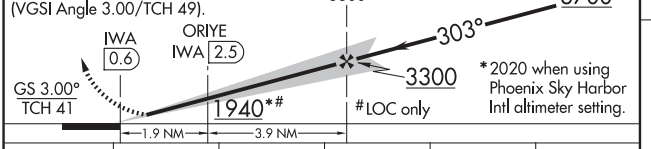
When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase S-ILS DA to 1660 feet and all MDA 80 feet, increase S-ILS 30C, S-LOC 30C all Cats and Circling Cats C/D/E visibility ¼ SM.

MISSED APPROACH: Climb to 2800 then climbing right turn to 5000 via heading 145° and IWA VORTAC R-015 to IWA VORTAC and hold, continue climb-in-hold to 5000 (TACAN aircraft continue via IWA VORTAC R-122 to HALLB/9.9 DME and hold, continue climb-in-hold to 5000, hold SE, LT, 302° inbound).

ATIS	PHOENIX APP CON	GATEWAY TOWER ★	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05



2800	5000 hdg 145°	IWA R-015	IWA



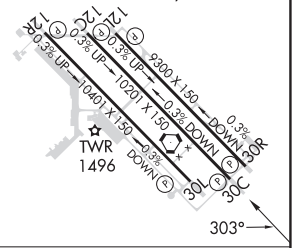
VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 49).

*2020 when using Phoenix Sky Harbor Intl altimeter setting.

#LOC only

ELEV 1384 | D | TDZE 1380

MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R



CATEGORY	A	B	C	D	E
S-ILS 30C	1580-¾ 200 (200-¾)				
S-LOC 30C	1940-1 560 (600-1)		1940-1½ 560 (600-1½)	1940-1¾ 560 (600-1¾)	1940-2 560 (600-2)
CIRCLING	1940-1 556 (600-1)		1940-1½ 556 (600-1½)	2000-2 616 (700-2)	2020-2¼ 636 (700-2¼)
ORIYE FIX MINIMUMS					
S-LOC 30C	1800-1 420 (500-1)		1800-1¼ 420 (500-1¼)		1800-1½ 420 (500-1½)
CIRCLING	1880-1 496 (500-1)		1880-1½ 496 (500-1½)	2000-2 616 (700-2)	2020-2¼ 636 (700-2¼)

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	10201
303°	TDZE	1380
	Apt Elev	1384

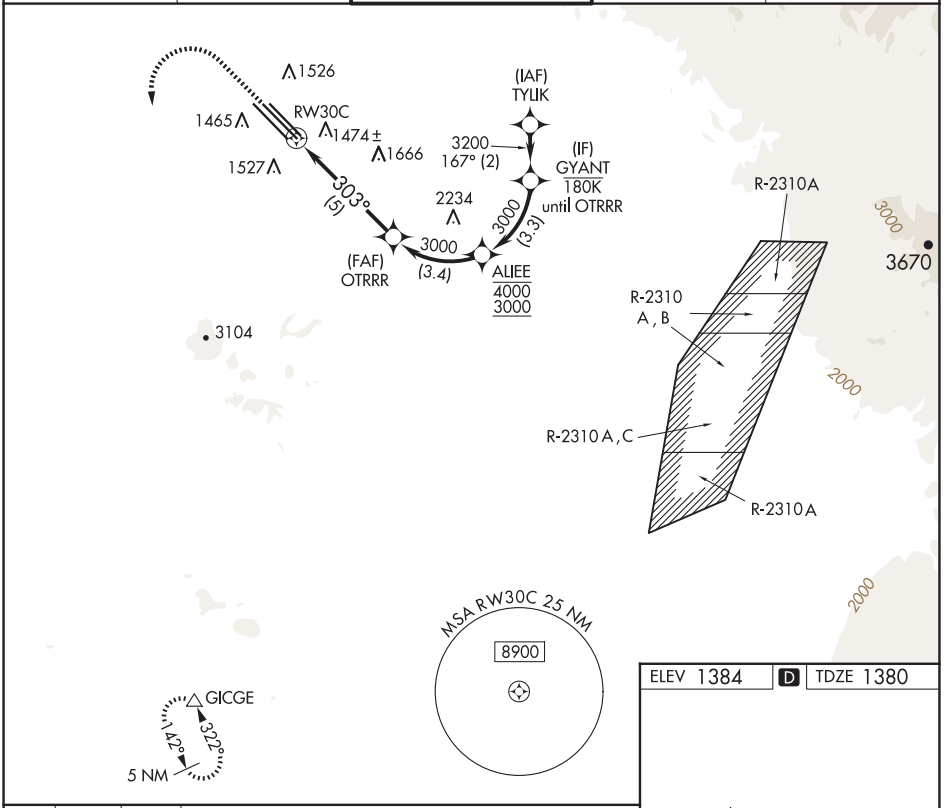
RNAV (RNP) Z RWY 30C

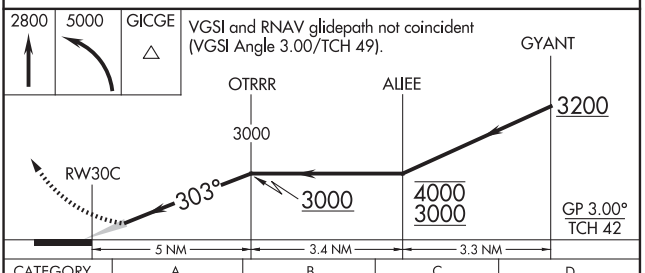
MESA GATEWAY (IWA)

For uncompensated Baro-VNAV systems, procedure NA below -17°C (2°F) or above 54°C (130°F). GPS and RF required.

MISSED APPROACH: Climb to 2800 then climbing left turn to 5000 direct GICGE and hold.

ATIS	PHOENIX APP CON	GATEWAY TOWER★	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05

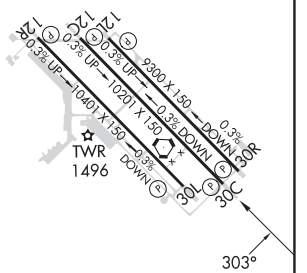




CATEGORY	A	B	C	D
RNP 0.21 DA		1637- 7/8	257 (300-7/8)	
RNP 0.30 DA		1711-1 1/8	331 (400-1 1/8)	

AUTHORIZATION REQUIRED

ELEV 1384 D TDZE 1380



MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-74 (FAA) | 25051

RNAV (GPS) RWY 12C
MESA GATEWAY (IWA)

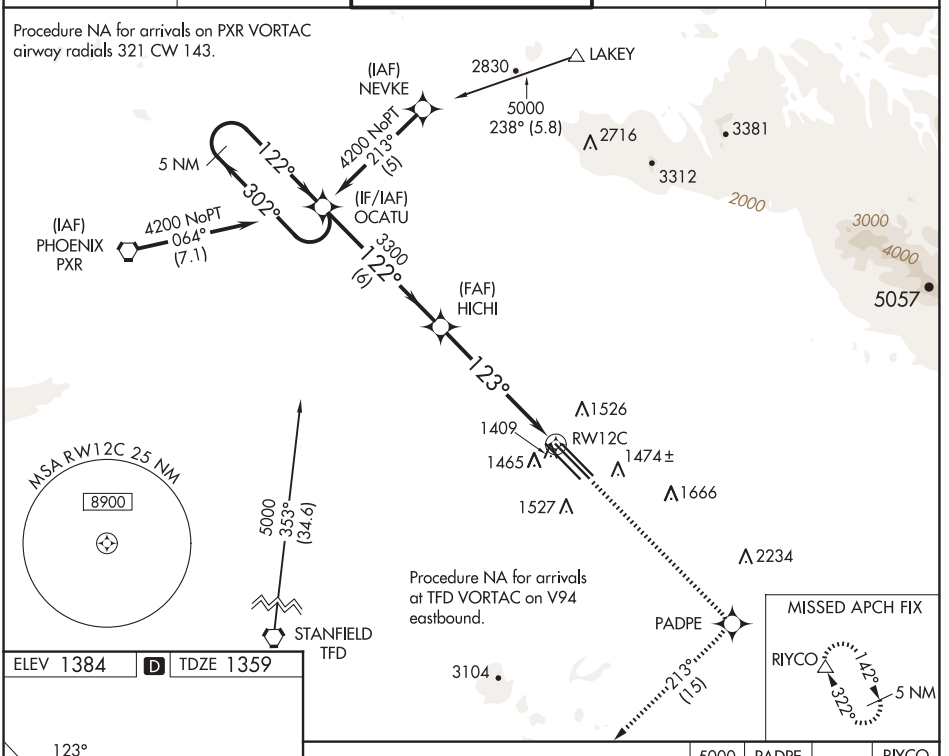
WAAS CH 58200 W12A	APP CRS 123°	Rwy Idg 10201 TDZE 1359 Apt Elev 1384

T DME/DME RNP-0.3 NA.
A For uncompensated Baro-VNAV systems LNAV/VNAV NA below -17°C (2°F) or above 46°C (115°F).

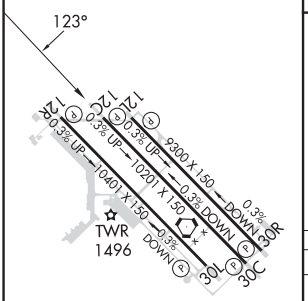
MISSED APPROACH: Climb to 5000 direct PADPE and on 213° track to RIYCO and hold.

ATIS	PHOENIX APP CON	GATEWAY TOWER *	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05

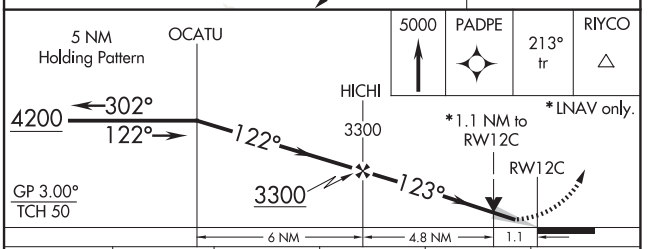
Procedure NA for arrivals on PXR VORTAC airway radials 321 CW 143.



ELEV 1384 | D | TDZE 1359



MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R



CATEGORY	A	B	C	D	E
LPV DA	1609-1 250 (300-1)				
LNAV/VNAV DA	1686-1¼ 327 (400-1¼)				
LNAV MDA	1740-1 381 (400-1)			1740-1¼ 381 (400-1¼)	
CIRCLING	1840-1¼ 456 (500-1¼)	1880-1½ 496 (500-1½)		2000-2 616 (700-2)	2020-2¼ 636 (700-2¼)

PHOENIX, ARIZONA
Amdt 1C 17JUN21

33°18′N-111°39′W

MESA GATEWAY (IWA)
RNAV (GPS) RWY 12C

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

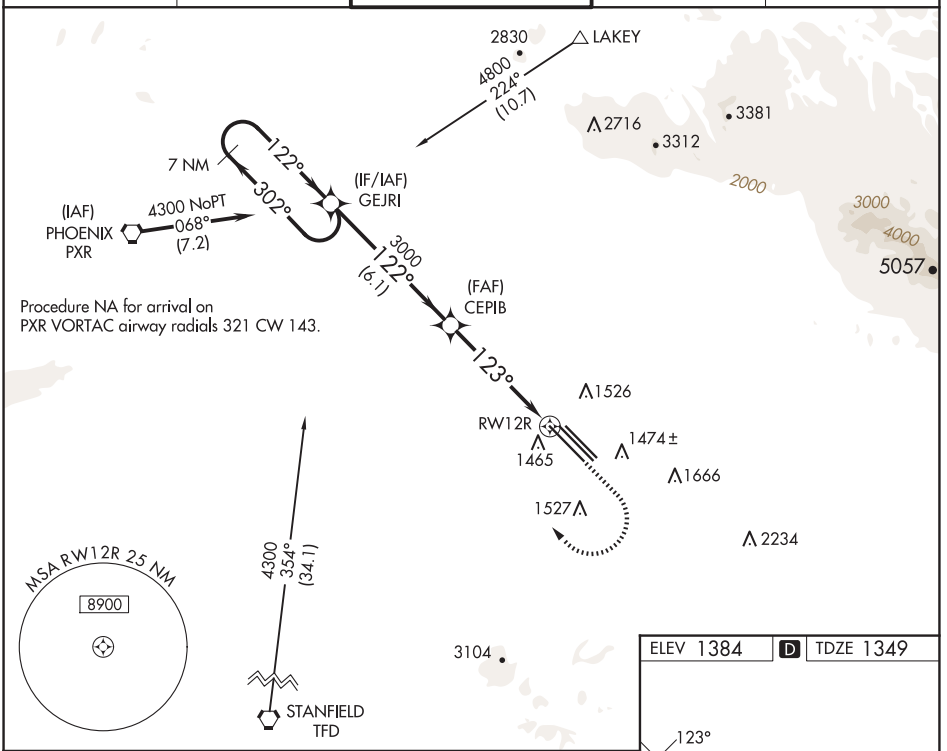
RNAV (GPS) RWY 12R
MESA GATEWAY (IWA)

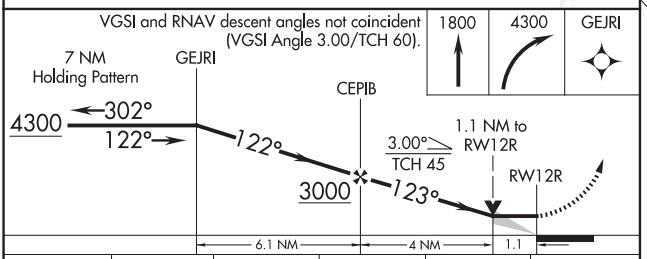
WAAS CH 50325 W12B	APP CRS 123°	Rwy Idg 10401 TDZE 1349 Apt Elev 1384

DME/DME RNP-0.3 NA. VDP NA with Phoenix Sky Harbor Intl altimeter setting. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase all MDA 80 feet; increase LP and LNAV Cats C/D and Circling Cat D visibility ¼ SM.

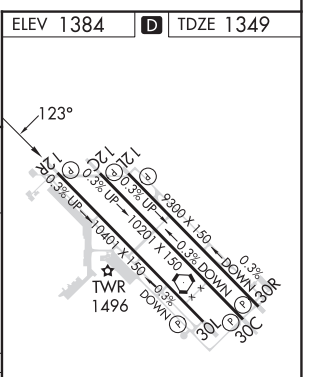
MISSED APPROACH: Climb to 1800 then climbing right turn to 4300 direct GEJRI and hold, continue climb-in-hold to 4300.

ATIS	PHOENIX APP CON	GATEWAY TOWER★	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05





CATEGORY	A	B	C	D	E
LP MDA	1740-1 391 (400-1)		1740-1⅛ 391 (400-1⅛)		2300-3 951 (1000-3)
LNAV MDA	1740-1 391 (400-1)		1740-1⅛ 391 (400-1⅛)		2420-3 1071 (1100-3)
CIRCLING	1880-1 496 (500-1)		1880-1½ 496 (500-1½)	2000-2 616 (700-2)	2420-3 1036 (1100-3)



MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-74 (FAA) | 25051

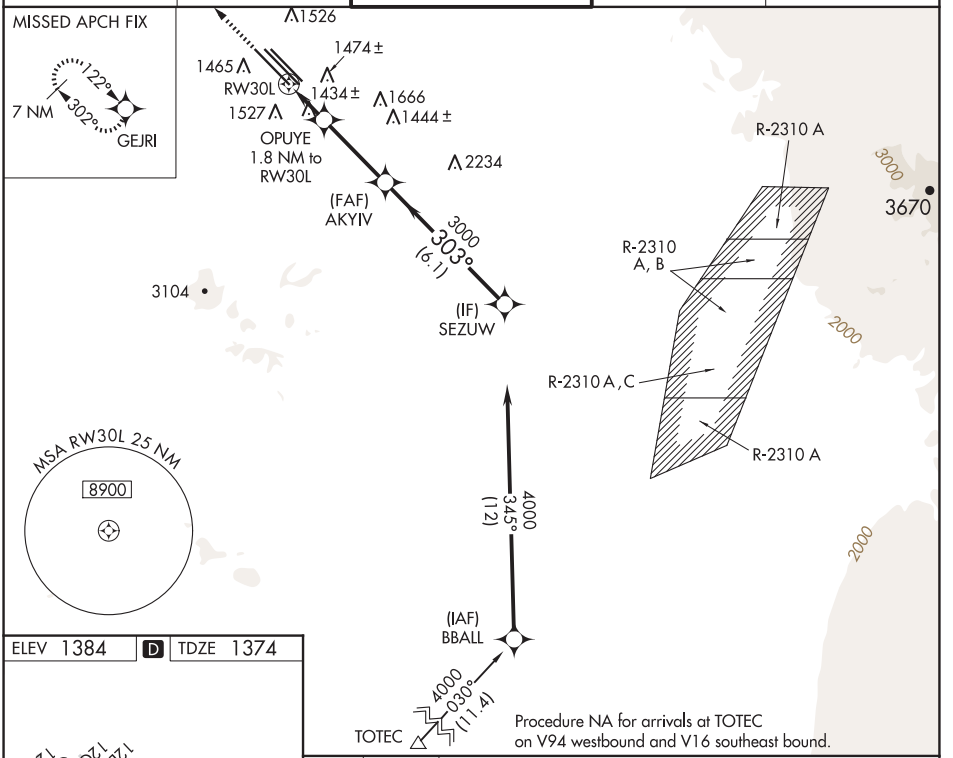
WAAS	APP CRS	Rwy Idg	10401
CH 93525	303°	TDZE	1374
W30B		Apt Elev	1384

RNAV (GPS) RWY 30L
MESA GATEWAY (IWA)

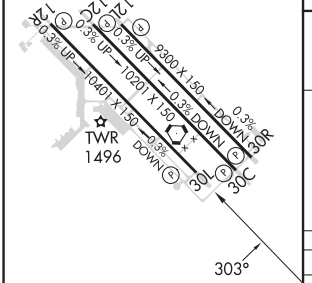
T DME/DME RNP-0.3 NA. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase all MDA 80 feet; increase LP and LNAV Cat C, D and E visibility ⅛ SM and Circling Cats D, E visibility ¼ SM. VDP NA with Phoenix Sky Harbor Intl altimeter setting.

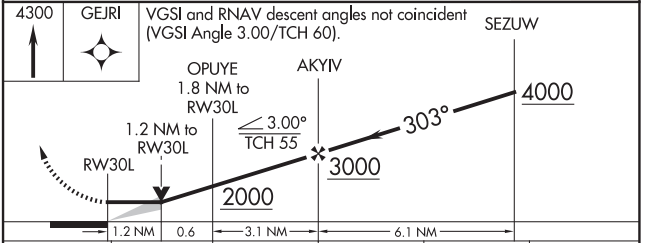
A MISSED APPROACH: Climb to 4300 direct GEJRI and hold.

ATIS	PHOENIX APP CON	GATEWAY TOWER ★	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05



ELEV 1384 | D | TDZE 1374





CATEGORY	A	B	C	D	E
LP MDA	1800-1 426 (500-1)		1800-1¼ 426 (500-1¼)		
LNAV MDA	1800-1 426 (500-1)		1800-1¼ 426 (500-1¼)		
CIRCLING	1880-1 496 (500-1)		1880-1½ 496 (500-1½)	2000-2 616 (700-2)	2040-2¼ 656 (700-2¼)

MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R

PHOENIX, ARIZONA
Amdt 1D 12AUG21

33°18′N-111°39′W

MESA GATEWAY (IWA)
RNAV (GPS) RWY 30L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 30R

MESA GATEWAY (IWA)

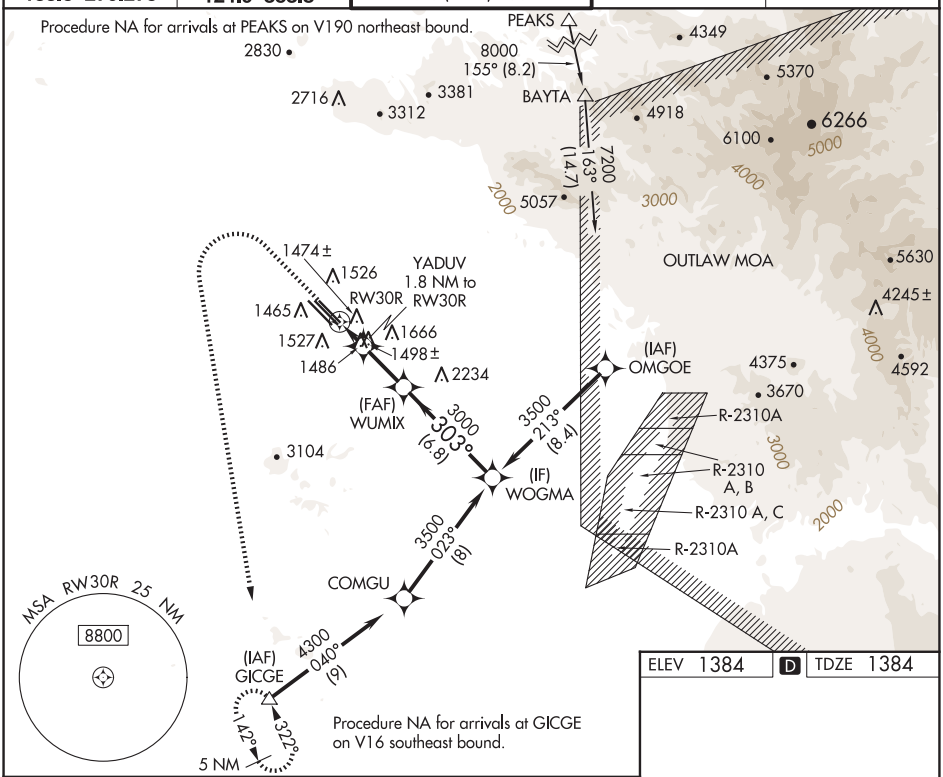
WAAS CH 69343 W30D	APP CRS 303°	Rwy ldg 9300 TDZE 1384 Apt Elev 1384

RNP APCH-GPS.

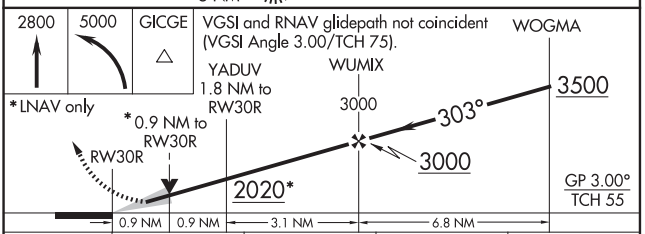
T A For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C.

MISSED APPROACH: Climb to 2800 then climbing left turn to 5000 direct to GICGE and hold.

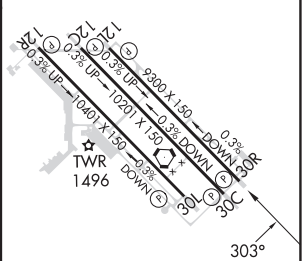
ATIS	PHOENIX APP CON	GATEWAY TOWER★	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05



ELEV 1384 D TDZ 1384



CATEGORY	A	B	C	D
LPV DA	1584-¾ 200 (200-¾)			
LNAV/VNAV DA	1634-¾ 250 (300-¾)			
LNAV MDA	1740-1 356 (400-1)			
C CIRCLING	1840-1 456 (500-1)		1880-1½ 496 (500-1½)	2000-2 616 (700-2)



MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-74 (FAA) | 25051

WAAS	APP CRS	Rwy Idg	10201
CH 62911	303°	TDZE	1380
W30A		Apt Elev	1384

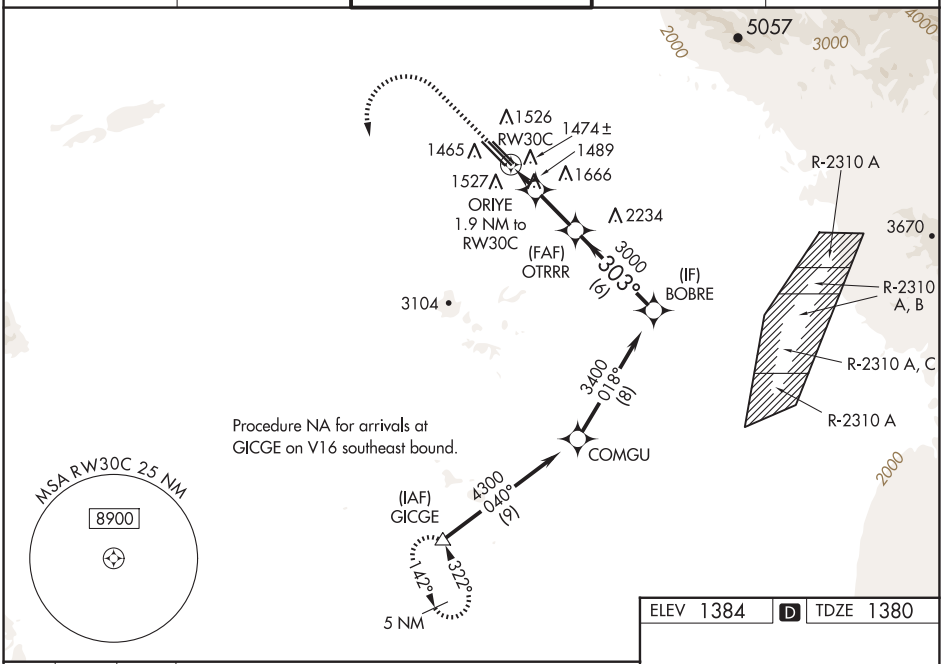
RNAV (GPS) Y RWY 30C

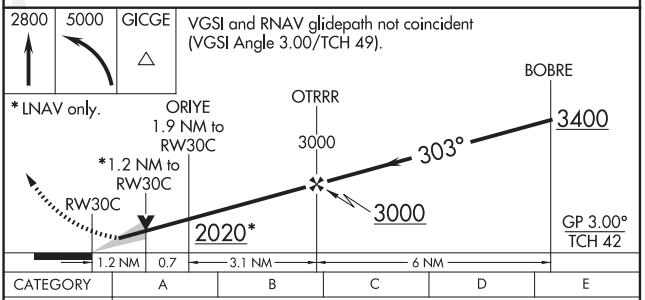
MESA GATEWAY (IWA)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C (29°F) or above 35°C (95°F). DME/DME RNP- 0.3 NA. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase LPV DA to 1660 feet, LNAV/VNAV DA to 1710 feet and all MDA 80 feet; increase LPV all Cats visibility ⅛ SM, increase LNAV/VNAV all Cats, LNAV Cats C, D and E, and Circling Cats D, E visibility ¼ SM. VDP and Baro-VNAV NA with Phoenix Sky Harbor Intl altimeter setting.

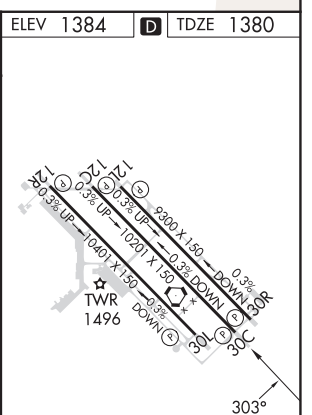
MISSED APPROACH: Climb to 2800 then climbing left turn to 5000 direct GICGE and hold.

ATIS	PHOENIX APP CON	GATEWAY TOWER ★	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05





CATEGORY	A	B	C	D	E
LPV DA	1580-¾ 200 (200-¾)				
LNAV/VNAV DA	1630-⅞ 250 (300-⅞)				
LNAV MDA	1800-1 420 (500-1)		1800-1⅛ 420 (500-1⅛)		
CIRCLING	1880-1 496 (500-1)		1880-1½ 496 (500-1½)	2000-2 616 (700-2)	2040-2¼ 656 (700-2¼)



MIRL Rwy 12R-30L
HIRL Rwys 12L-30R and 12C-30C
REIL Rwys 12L and 30R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR or TACAN RWY 30C

MESA GATEWAY (IWA)

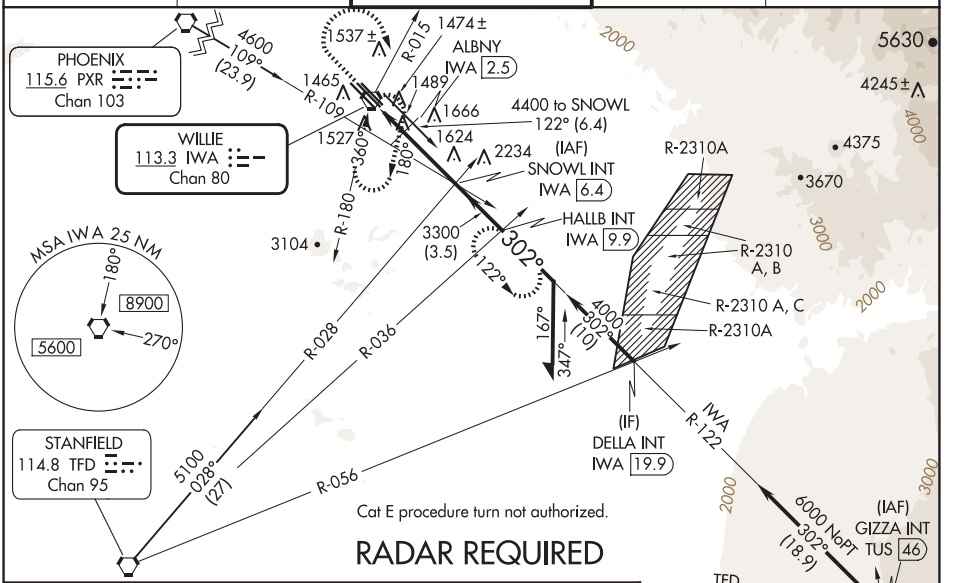
VORTAC IWA	APP CRS		30C	30R
113.3	302°	Rwy Idg	10201	9301
Chan 80		TDZE	1380	1382
		Apt Elev	1384	1384

T When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase all MDA 80 feet, increase S-30C, SIDESTEP 30R, and Circling Cats C/D/E visibility ¼ SM.

A

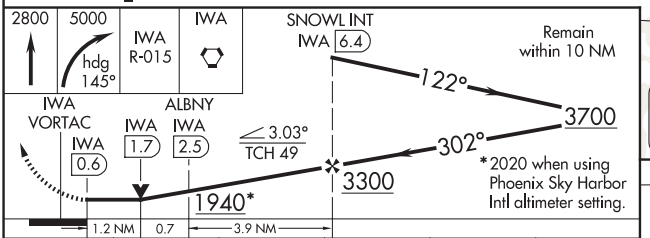
MISSED APPROACH: Climb to 2800 then climbing right turn to 5000 via heading 145° and IWA VORTAC R-015 to IWA VORTAC and hold, continue climb-in-hold to 5000 (TACAN aircraft continue via IWA VORTAC R-122 to HALLB INT/IWA 9.9 DME and hold, continue climb-in-hold to 5000, hold SE, LT, 302° inbound).

ATIS	PHOENIX APP CON	GATEWAY TOWER *	GND CON	CLNC DEL
133.5 270.275	124.9 353.8	120.6 (CTAF) 289.4	128.25 275.8	135.05

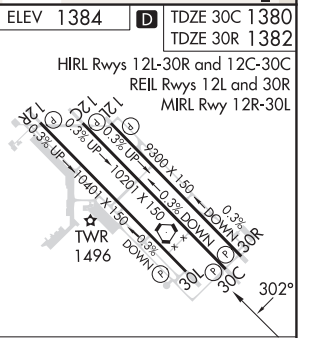


SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025



CATEGORY	A	B	C	D	E
S-30C	1940-1 560 (600-1)		1940-1½ 560 (600-1½)	1940-1¾ 560 (600-1¾)	1940-2 560 (600-2)
SIDESTEP 30R	1940-1 558 (600-1)		1940-1½ 558 (600-1½)	1940-2 558 (600-2)	
CIRCLING	1940-1 556 (600-1)		1940-1½ 556 (600-1½)	2000-2 616 (700-2)	2020-2¼ 636 (700-2¼)
DME MINIMUMS					
S-30C	1800-1 420 (500-1)		1800-1¼ 420 (500-1¼)		1800-1½ 420 (500-1½)
SIDESTEP 30R	1800-1 418 (500-1)		1800-1½ 418 (500-1½)	1800-2 418 (500-2)	
CIRCLING	1880-1 496 (500-1)		1880-1½ 496 (500-1½)	2000-2 616 (700-2)	2020-2¼ 636 (700-2¼)



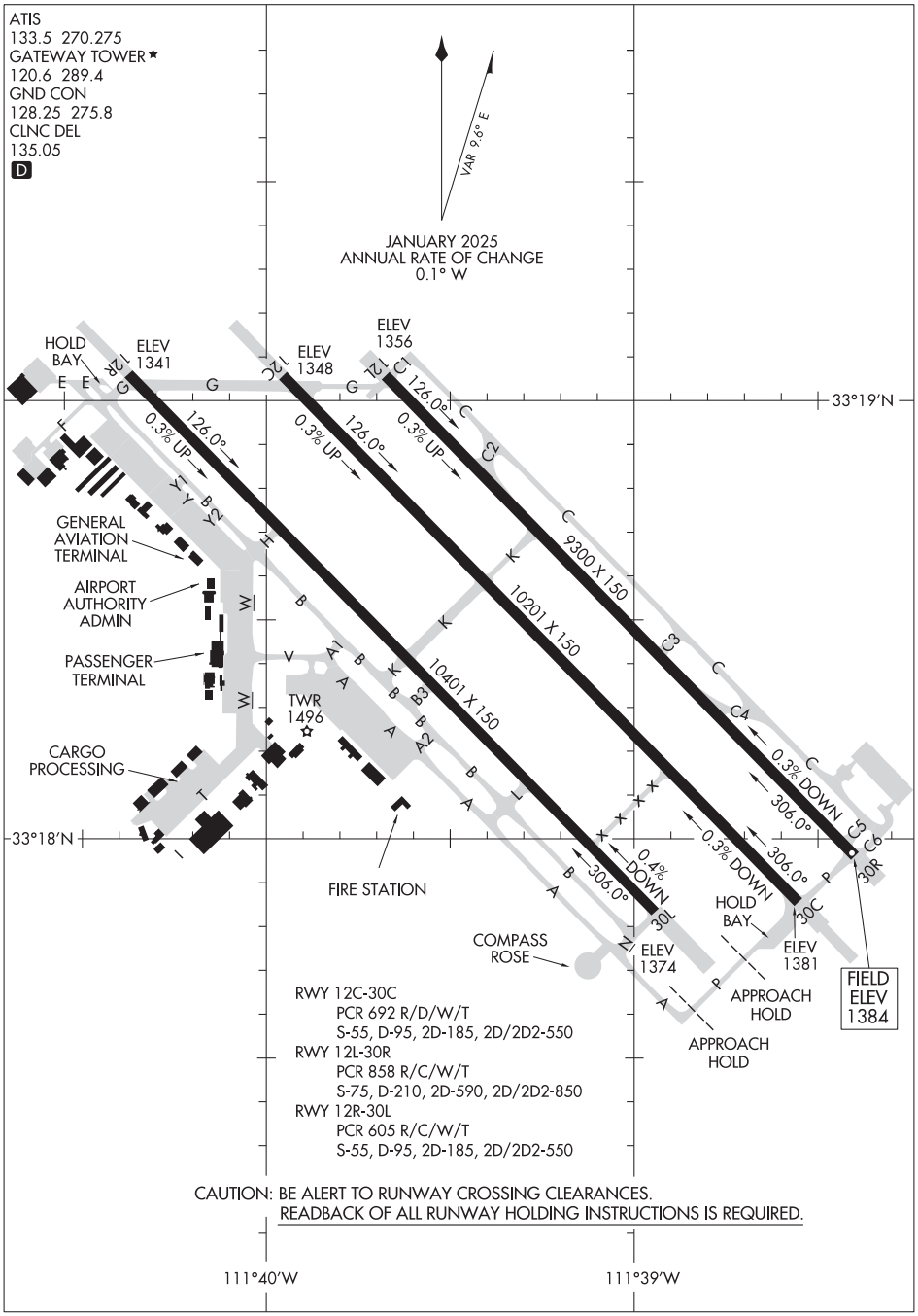
FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

25107
AIRPORT DIAGRAM

MESA GATEWAY (IWA)
PHOENIX, ARIZONA

AL-74 (FAA)



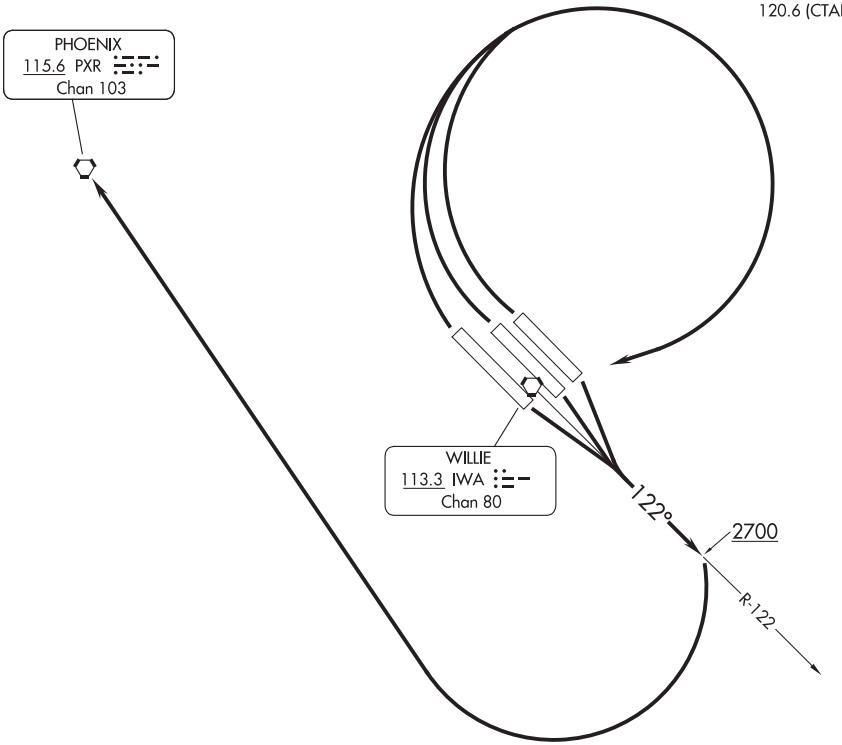
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107

PHOENIX, ARIZONA
MESA GATEWAY (IWA)

PHOENIX DEP CON
124.9 353.8
ATIS
133.5 270.275
CLNC DEL
135.05
GND CON
128.25 275.8
GATEWAY TOWER★
120.6 (CTAF) 289.4



TAKEOFF MINIMUMS

Rwys 12L, 12C, 12R, 30L, 30C, 30R: Standard.

TAKEOFF OBSTACLE NOTES

Rwys 30L/C/R: Trees beginning 351′ from DER, 351′ left of centerline, up to 20′ AGL/1359′ MSL.
Trees beginning 689′ from DER, 398′ right of centerline, up to 20′ AGL/1359′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 12L/C/R: Climb to 2700 via IWA VORTAC R-122 then right turn direct PXR VORTAC.

TAKEOFF RUNWAYS 30L/C/R: Climbing right turn to 4000 direct IWA VORTAC and IWA VORTAC R-122 then right turn direct PXR VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

(BNYRD6.BNYRD) 25051

BNYRD SIX DEPARTURE (RNAV)

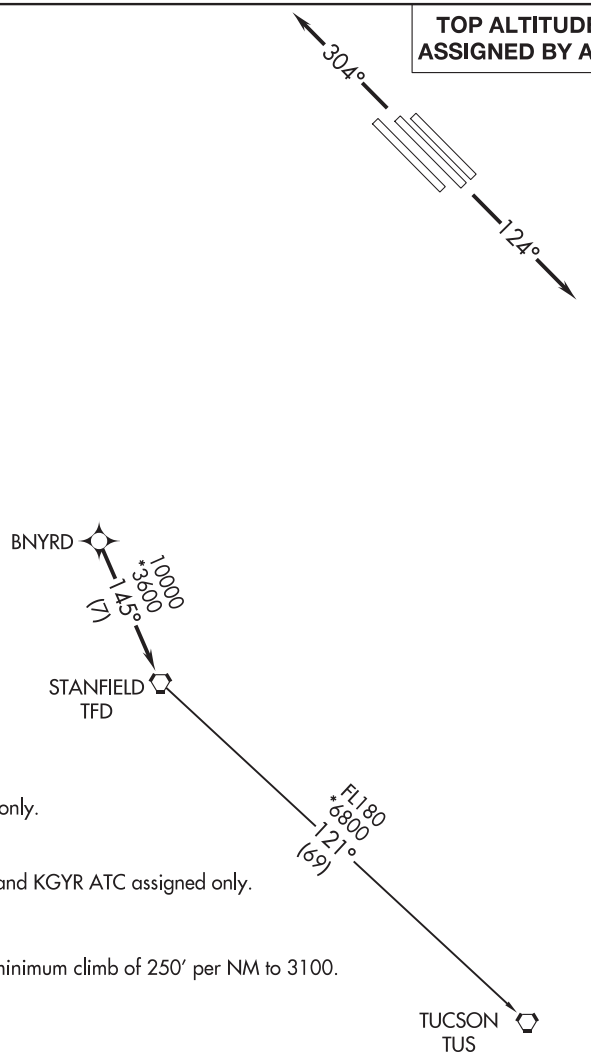
AL-74 (FAA)

MESA GATEWAY (IWA)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
124.9 353.8
ATIS
133.5 270.275
CLNC DEL
135.05
GND CON
128.25 275.8
GATEWAY TOWER★
120.6 289.4

TOP ALTITUDE: ASSIGNED BY ATC



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 12L/C/R: Standard with a minimum climb of 250′ per NM to 3100.
Rwys 30L/C/R: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 12L/C/R: Climb heading 124° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAYS 30L/C/R: Climb heading 304° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BNYRD, then on track 145° to TFD VORTAC, then on (transition), maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

TUCSON TRANSITION (BNYRD6.TUS)

FTHLS SIX DEPARTURE (RNAV)

FTHLS SIX DEPARTURE (RNAV)
(FTHLS6.FTHLS) 24MAY18
PHOENIX, ARIZONA
MESA GATEWAY (IWA)

(IZZZO8.IZZZO) 25051

IZZZO EIGHT DEPARTURE (RNAV)

AL-74 (FAA)

MESA GATEWAY (IWA)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
124.9 353.8
ATIS
133.5 270.275
CLNC DEL
135.05
GND CON
128.25 275.8
GATEWAY TOWER*
120.6 289.4

TOP ALTITUDE: ASSIGNED BY ATC

RNAV 1 - GPS.
RADAR required.

NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 12L/C/R: Standard with a minimum climb of 250'/NM to 3100.
Rwys 30L/C/R: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 12L/C/R: Climb on heading 124° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAYS 30L/C/R: Climb on heading 304° or as assigned by ATC, thence. . . .

. . . .for RADAR vectors to KEENS, then on track 259° to IZZZO, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (IZZZO8.BLH)
HRRBR TRANSITION (IZZZO8.HRRBR)
WLVRN TRANSITION (IZZZO8.WLVRN)

IZZZO EIGHT DEPARTURE (RNAV)

(IZZZO8.IZZZO) 25JAN24

MESA GATEWAY (IWA)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:
ASSIGNED BY ATC
304°
124°
PHOENIX DEP CON
124.9 353.8
ATIS
133.5 270.275
CLNC DEL
135.05
GND CON
128.25 275.8
GATEWAY TOWER*
120.6 289.4
NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
TAKEOFF MINIMUMS
Rwys 12L/C/R: Standard with a minimum climb of 250' per NM to 3100.
Rwys 30L/C/R: Standard.
FL180
*3800
249°
(52)
GILA BEND
GBN
FL180
*4000
248°
(15)
JUDTH
MOHAK
N
NOTE: Chart not to scale.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAYS 12L/C/R: Climb heading 124° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAYS 30L/C/R: Climb heading 304° or as assigned by ATC, thence. . . .
. . . .expect RADAR vectors to GBN VORTAC, then on track 249° to JUDTH, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.
MOHAK TRANSITION (JUDTH7.MOHAK)

(KATMN6.KATMN) 25051

KATMN SIX DEPARTURE (RNAV)

AL-74 (FAA)

MESA GATEWAY (IWA)
PHOENIX, ARIZONA

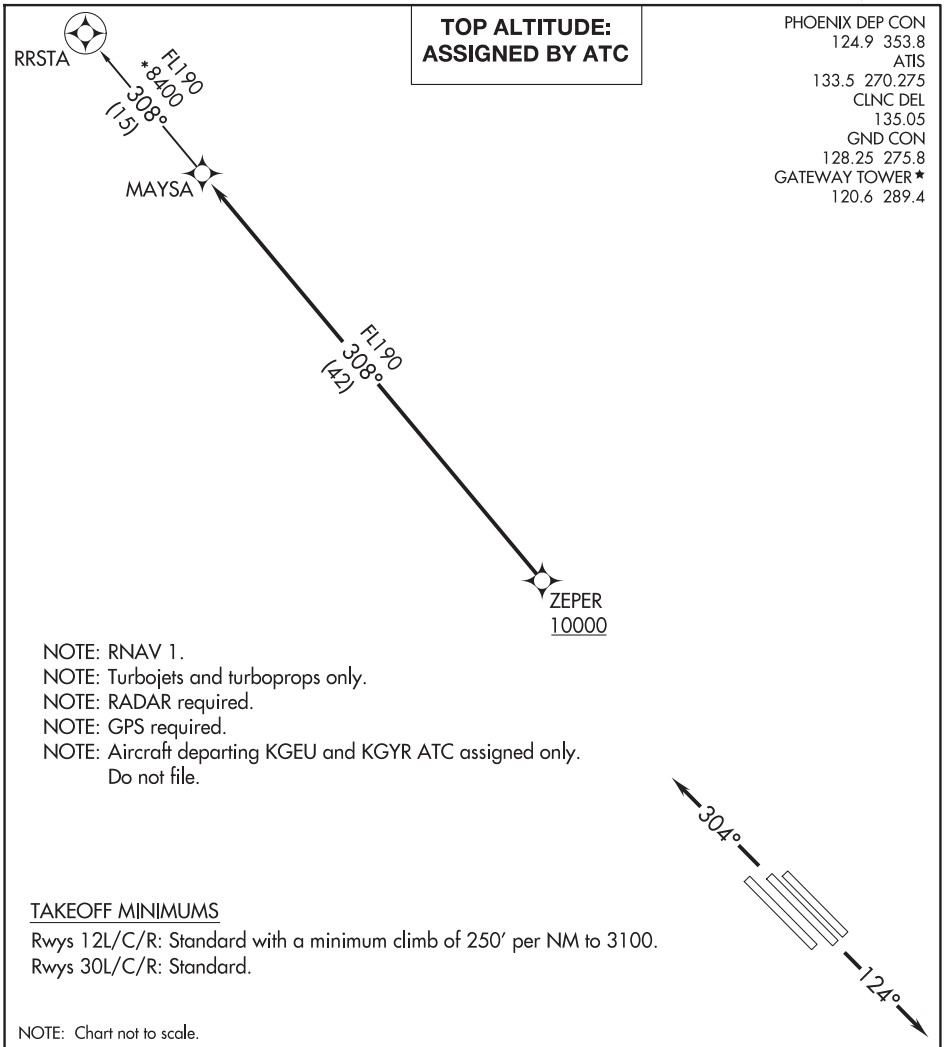
SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:
ASSIGNED BY ATC
PHOENIX DEP CON
124.9 353.8
ATIS
133.5 270.275
CLNC DEL
135.05
GND CON
128.25 275.8
GATEWAY TOWER★
120.6 289.4
NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: SJN TRANSITION for ABQ terminal arrivals only.
NOTE: MAXXO TRANSITION ATC assigned only.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS, file YOTES DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK, file LALUZ DEPARTURE.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO, file FTHLS DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
N
FORPE
FL180
*10000
055°
(57)
LALUZ
FL180
*11000
055°
(58)
ST JOHNS
SJN
FL180
*11300
080°
(56)
JSSUA
FL180
*10800
059°
(121)
ALBUQUERQUE
ABQ
FL180
*11800
077°
(65)
MAXXO
TAKEOFF MINIMUMS
Rwys 12L/C/R: Standard with a minimum climb of 250' per NM to 3100.
Rwys 30L/C/R: Standard.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAYS 12L/C/R: Climb heading 124° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAYS 30L/C/R: Climb heading 304° or as assigned by ATC, thence. . . .
. . . .expect RADAR vectors to FORPE, then on track 055° to LALUZ, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.
ALBUQUERQUE TRANSITION (LALUZ6.ABQ)
MAXXO TRANSITION (LALUZ6.MAXXO)
ST JOHNS TRANSITION (LALUZ6.SJN)
304°
124°
NOTE: Chart not to scale.
SW-4, 07 AUG 2025 to 02 OCT 2025

(MAYSA7.MAYSA) 25051

MAYSA SEVEN DEPARTURE (RNAV) AL-74 (FAA)

MESA GATEWAY (IWA)
PHOENIX, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

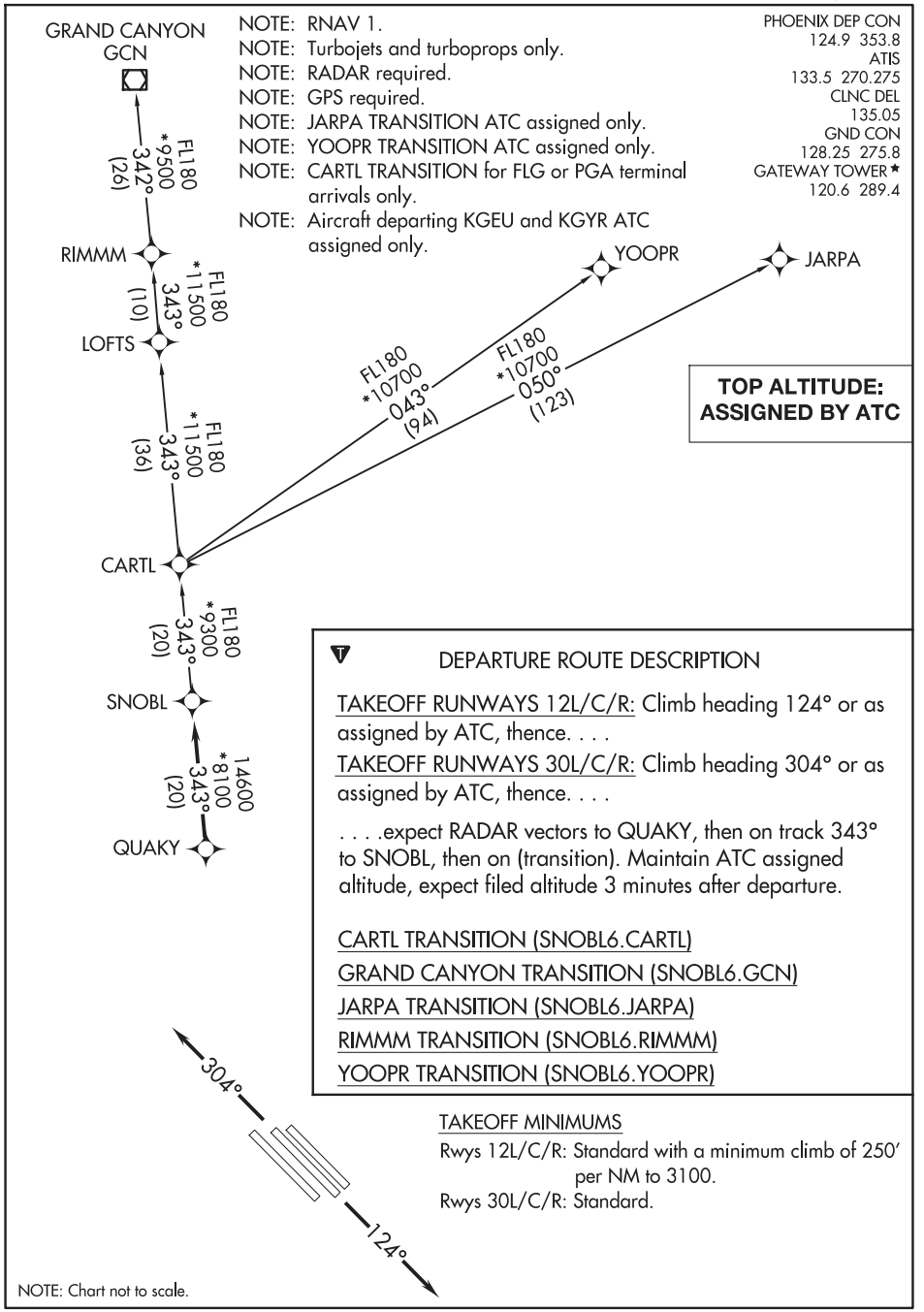
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 12L/C/R: Climb on heading 124° or as assigned by ATC. Thence. . . .

TAKEOFF RUNWAYS 30L/C/R: Climb on heading 304° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to cross ZEPER at or above 10000, then on track 308° to MAYSA, then on RRSTA TRANSITION. Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

RRSTA TRANSITION (MAYSA7.RRSTA)



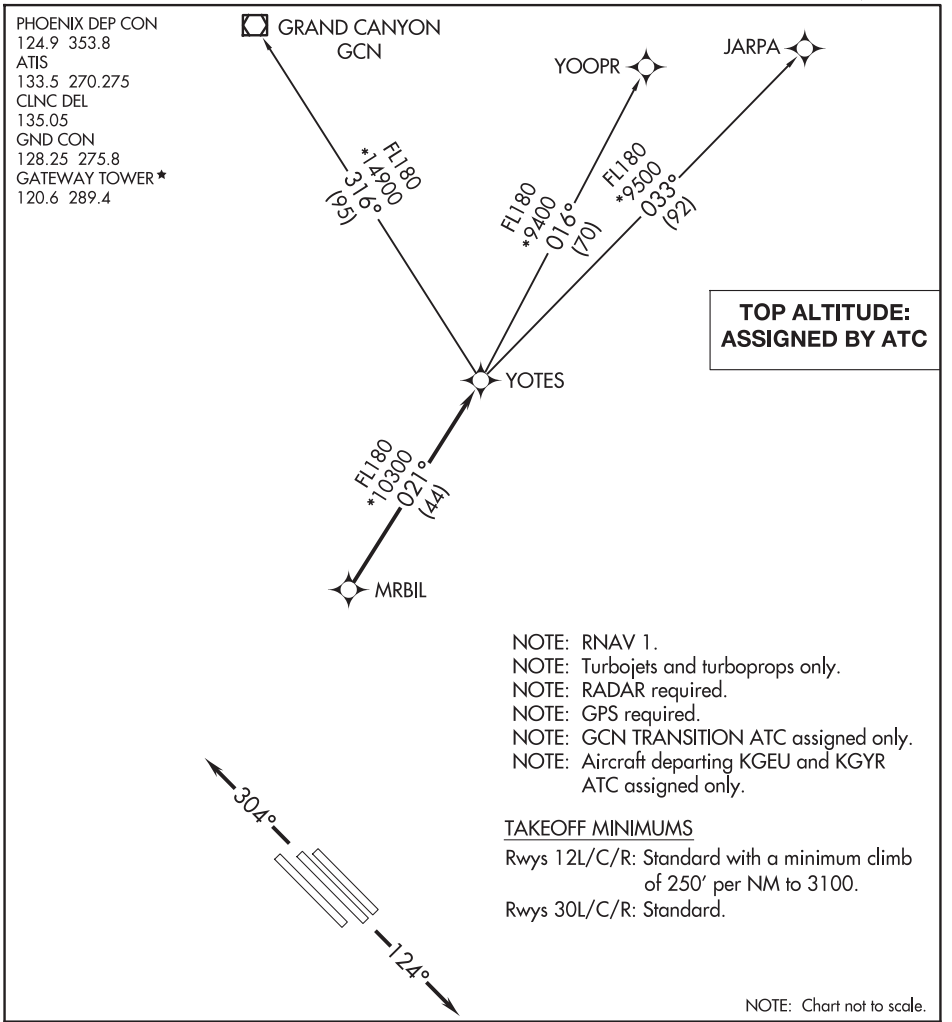
SW-4, 07 AUG 2025 to 02 OCT 2025

(YOTES6.YOTES) 25051

YOTES SIX DEPARTURE (RNAV)

AL-74 (FAA)

MESA GATEWAY (IWA)
PHOENIX, ARIZONA



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 12L/C/R: Climb heading 124° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAYS 30L/C/R: Climb heading 304° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to MRBIL, then on track 021° to YOTES, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

GRAND CANYON TRANSITION (YOTES6.GCN)

JARPA TRANSITION (YOTES6.JARPA)

YOOPR TRANSITION (YOTES6.YOOPR)

RNAV (GPS) RWY 7R

PHOENIX DEER VALLEY (DVT)

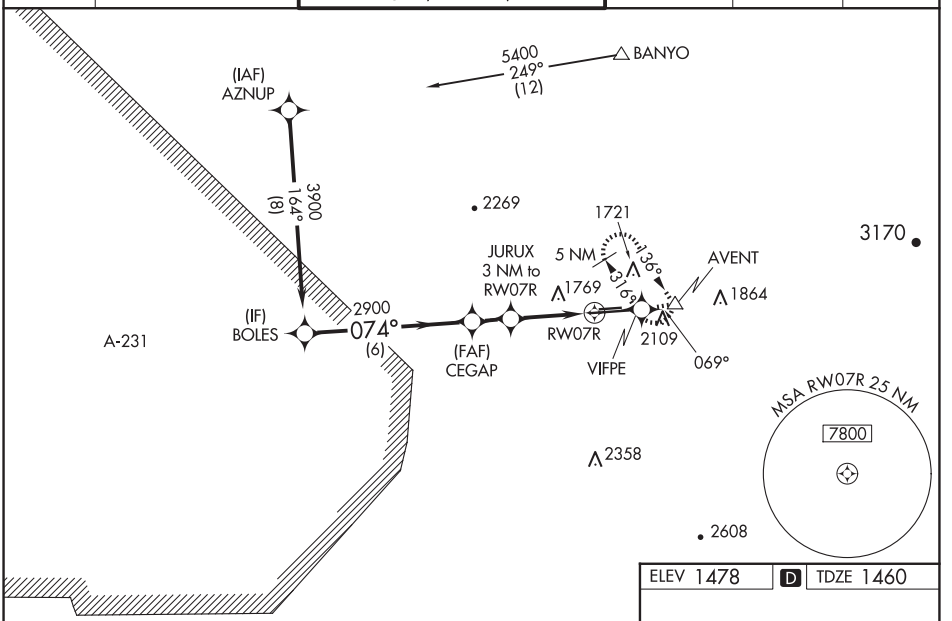
WAAS	APP CRS	Rwy Idg	7299
CH 72917	074°	TDZE	1460
W07A		Apt Elev	1478

RNP APCH - GPS.

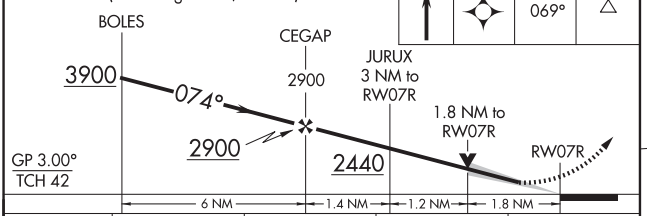
When VGSI inop, Circling Rwy 25R NA at night. When local altimeter setting not received, use Scottsdale altimeter setting: increase LPV DA to 1822 feet and all visibilities ⅛ SM, increase LNAV/VNAV DA to 2160 feet and all visibilities ⅛ SM, increase all MDAs 40 feet and increase Circling Cat B visibility ¼ SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 54°C. Baro VNAV and VDP NA when using Scottsdale altimeter setting. Circling NA north of Rwy 7R-25L at night.

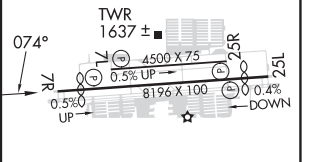
MISSED APPROACH: Climb to 5000 direct VIFPE and track 069° to AVENT and hold, continue climb-in-hold to 5000.

ATIS	PHOENIX APP CON	DEER VALLEY TOWER ★	GND CON	CLNC DEL	UNICOM
126.5	120.7 239.0	118.4 (070°-250°) (CTAF) 120.2 (251°-069°)	121.8	123.9	122.95



ELEV 1478 D TDZE 1460





CATEGORY	A	B	C	D
LPV DA	1795-1⅛ 335 (400-1⅛)			
LNAV/VNAV DA	2133-2½ 673 (700-2½)			
LNAV MDA	2060-1 600 (600-1)		2060-1¾ 600 (600-1¾)	
CIRCLING	2400-1¼ 922 (1000-1¼)	2420-1¼ 942 (1000-1¼)	2580-3 1102 (1200-3)	2700-3 1222 (1300-3)

MIRL Rwys 7L-25R and 7R-25L
REIL Rwys 7L, 7R, 25L, and 25R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA AL-6646 (FAA) 25051

WAAS	APP CRS	Rwy Idg	7281
CH 90117	254°	TDZE	1475
W25A		Apt Elev	1478

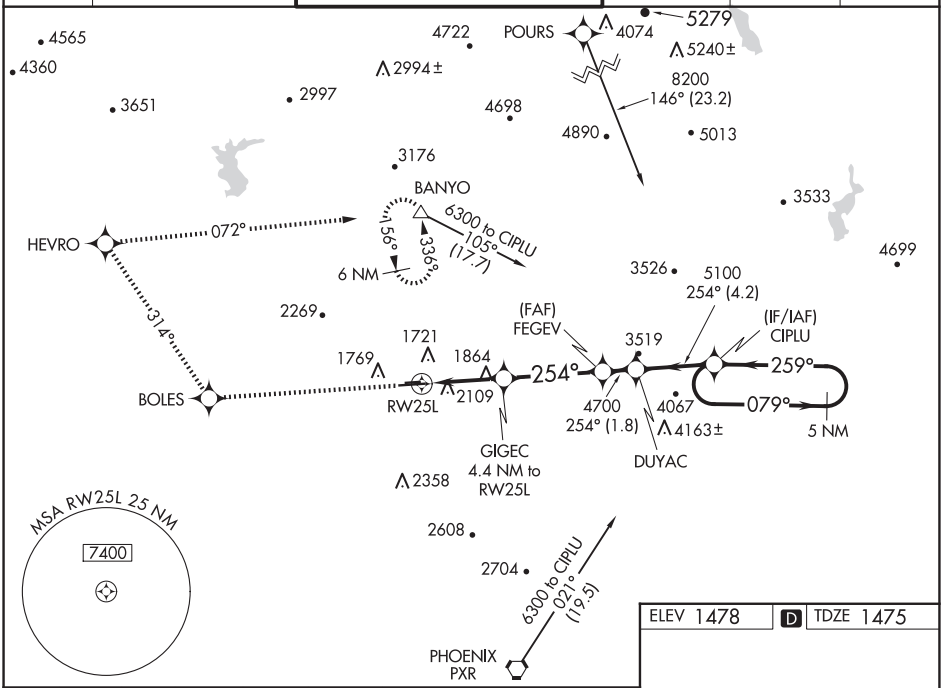
RNAV (GPS) RWY 25L
PHOENIX DEER VALLEY (DVT)

RNP APCH - GPS.

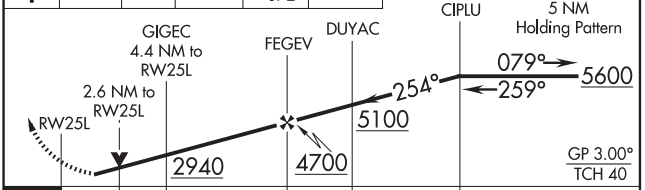
When VGSI inop, Circling to Rwy 25R NA at night. Circling NA north of Rwy 7R-25L at night. When local altimeter setting not received, use Scottsdale altimeter setting; increase LPV all Cats DA to 1877 feet and LPV all Cats visibility ⅛ SM. Increase all MDA 40 feet and Circling Cats B visibility ¼ SM. Rwy 25L helicopter visibility reduction below ¾ SM NA. VDP NA when using Scottsdale altimeter setting.

MISSED APPROACH: Climb to 6000 direct BOLES and on track 314° to HEVRO and right turn on track 072° to BANYO and hold.

ATIS	PHOENIX APP CON	DEER VALLEY TOWER ★	GND CON	CLNC DEL	UNICOM
126.5	120.7 239.0	118.4 (070°-250°) (CTAF) 120.2 (251°-069°)	121.8	123.9	122.95

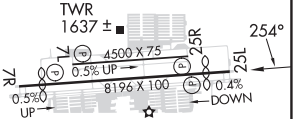


6000	BOLES	tr 314°	HEVRO	tr 072°	BANYO



CATEGORY	A	B	C	D
LPV DA	1850-1¼ 375 (400-1¼)			
LNAV MDA	2360-1¼ 885 (900-1¼)		2360-2¾ 885 (900-2¾)	2360-3 885 (900-3)
CIRCLING	2400-1¼ 922 (1000-1¼)	2420-1¼ 942 (1000-1¼)	2580-3 1102 (1200-3)	2700-3 1222 (1300-3)

ELEV 1478 D TDZE 1475



MIRL Rwys 7L-25R and 7R-25L
REIL Rwys 7L, 7R, 25L, and 25R

PHOENIX, ARIZONA
Orig-D 13JUL23

33°41′N-112°05′W

PHOENIX DEER VALLEY (DVT)
RNAV (GPS) RWY 25L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	N/A
254°	TDZE	N/A
	Apt Elev	1478

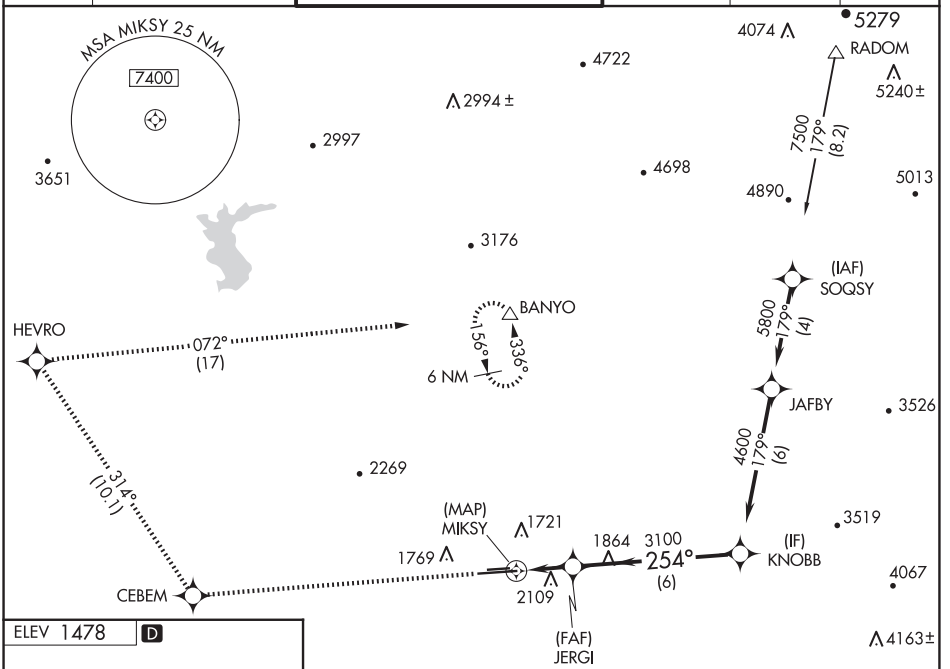
RNAV (GPS)-B
PHOENIX DEER VALLEY (DVT)

RNP APCH - GPS.

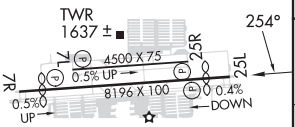
When VGSI inop, Circling to Rwy 25R NA at night. Circling not authorized at night north of Rwy 7R-25L. When local altimeter setting not received, use Scottsdale altimeter setting and increase all MDAs 40 feet and Circling Cat B visibility ¼ SM.

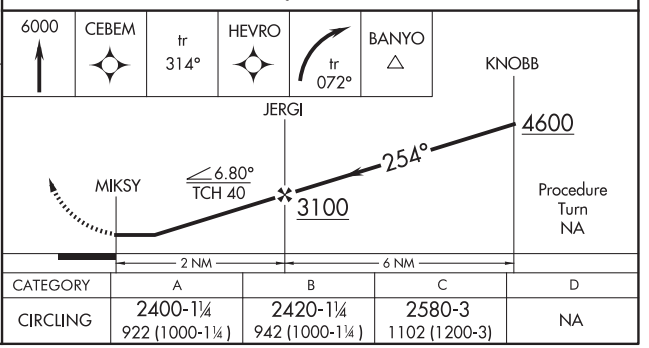
MISSED APPROACH: Climb to 6000 direct CEBEM and on track 314° to HEVRO and right turn on track 072° to BANYO and hold.

ATIS	PHOENIX APP CON	DEER VALLEY TOWER ★	GND CON	CLNC DEL	UNICOM
126.5	120.7 239.0	118.4 (070°-250°) (CTAF) 120.2 (251°-069°)	121.8	123.9	122.95



ELEV 1478 D





CATEGORY	A	B	C	D
CIRCLING	2400-1¼ 922 (1000-1¼)	2420-1¼ 942 (1000-1¼)	2580-3 1102 (1200-3)	NA

MIRL Rwys 7L-25R and 7R-25L
REIL Rwys 7L, 7R, 25L, and 25R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

AIRPORT DIAGRAM

PHOENIX DEER VALLEY (DVT)

PHOENIX, ARIZONA

AL-6646 (FAA)

SW-4, 07 AUG 2025 to 02 OCT 2025

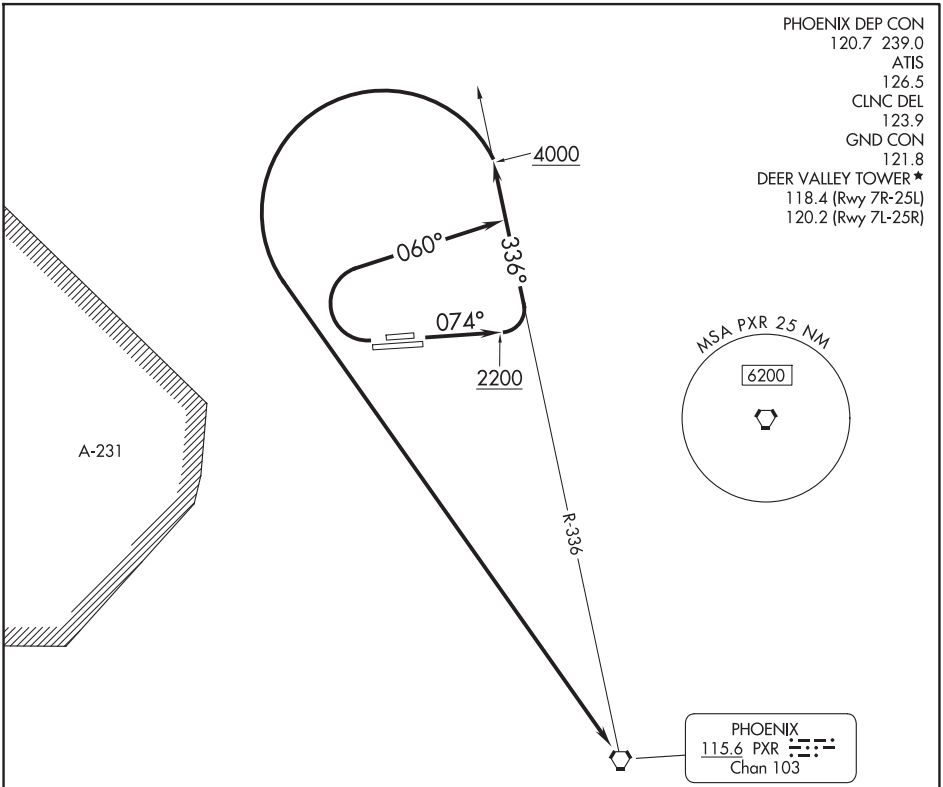
AIRPORT DIAGRAM

PHOENIX, ARIZONA

PHOENIX DEER VALLEY (DVT)

25107

DEER VALLEY THREE DEPARTURE (OBSTACLE)



TAKEOFF MINIMUMS
Rwy 7L: Standard with minimum climb of 400′ per NM to 2200.
Rwy 7R: Standard with minimum climb of 675′ per NM to 1800.
Rwy 25L: Standard with minimum climb of 265′ per NM to 2600.
Rwy 25R: Standard with minimum climb of 285′ per NM to 2600.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R: Climb on heading 074° to 2200, then climbing left turn on PXR VORTAC R-336 northwest bound to 4000, thence. . . .

TAKEOFF RUNWAYS 25L/R: Climbing right turn on heading 060° and PXR VORTAC R-336 northwest bound to 4000, thence. . . .

. . . . left turn direct PXR VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

DEER VALLEY THREE DEPARTURE (OBSTACLE)

TAKEOFF OBSTACLE NOTES

Rwy 7L: General utility, vertical point beginning 30′ from DER, 120′ right of centerline, up to 3′ AGL/1479′ MSL.
Vertical point 33′ from DER, 125′ left of centerline, 2′ AGL/1479′ MSL.
Sign 89′ from DER, 160′ left of centerline, 3′ AGL/1480′ MSL.
Pole, Navaid beginning 340′ from DER, 315′ right of centerline, up to 13′ AGL/1488′ MSL.
Tree 665′ from DER, 537′ left of centerline, 1498′ MSL.
Trees beginning 746′ from DER, 499′ left of centerline, up to 1499′ MSL.
Tree 913′ from DER, 338′ left of centerline, 1502′ MSL.
Tree 3574′ from DER, 381′ left of centerline, 13′ AGL/1569′ MSL.
Terrain 3610′ from DER, 165′ left of centerline, 1579′ MSL.
Terrain, tree beginning 3611′ from DER, 253′ left of centerline, up to 1587′ MSL.
Vegetation 3686′ from DER, 38′ right of centerline, 3′ AGL/1570′ MSL.
Trees beginning 3693′ from DER, 380′ left of centerline, up to 10′ AGL/1602′ MSL.
Terrain, tree, vegetation beginning 3713′ from DER, 9′ left of centerline, up to 1624′ MSL.
Trees beginning 3824′ from DER, 0′ right of centerline, up to 1596′ MSL.

Rwy 7R: Lighting 42′ from DER, 484′ left of centerline, 1′ AGL/1482′ MSL.
Vegetation 146′ from DER, 515′ left of centerline, 1483′ MSL.
Tree 393′ from DER, 602′ left of centerline, 1488′ MSL.
Tree, pole beginning 513′ from DER, 499′ right of centerline, up to 1498′ MSL.
Tree 557′ from DER, 266′ left of centerline, 1494′ MSL.
Pole 848′ from DER, 503′ right of centerline, 24′ AGL/1507′ MSL.
Building 930′ from DER, 712′ right of centerline, 1510′ MSL.
Terrain 990′ from DER, 359′ right of centerline, 1514′ MSL.
Vertical structure 1027′ from DER, 602′ left of centerline, 1518′ MSL.
Pole 1028′ from DER, 601′ left of centerline, 39′ AGL/1526′ MSL.
Pole, vegetation, tree beginning 1031′ from DER, 384′ right of centerline, up to 28′ AGL/1536′ MSL.
Pole 1137′ from DER, 548′ left of centerline, 43′ AGL/1530′ MSL.
Pole, tree beginning 1149′ from DER, 707′ left of centerline, up to 48′ AGL/1536′ MSL.
Trees beginning 1845′ from DER, 878′ right of centerline, up to 1558′ MSL.
Trees beginning 1935′ from DER, 762′ left of centerline, up to 14′ AGL/1542′ MSL.
Trees beginning 1950′ from DER, 924′ right of centerline, up to 1578′ MSL.
Tree, vegetation beginning 1953′ from DER, 660′ left of centerline, up to 12′ AGL/1554′ MSL.
Terrain 2041′ from DER, 865′ left of centerline, 1579′ MSL.
Terrain, vegetation, tree beginning 2043′ from DER, 422′ left of centerline, up to 1587′ MSL.
Terrain, tree, vegetation beginning 2145′ from DER, 504′ left of centerline, up to 1624′ MSL.

Rwy 25L: Tree, fence beginning 19′ from DER, 498′ right of centerline, up to 1455′ MSL.
Tree 37′ from DER, 505′ left of centerline, 1461′ MSL.
Tree, building beginning 195′ from DER, 505′ left of centerline, up to 31′AGL/1465′ MSL.
Tree, building beginning 304′ from DER, 506′ right of centerline, up to 1469′ MSL.
Tree 421′ from DER, 498′ right of centerline, 1470′ MSL.
Tree, building, antenna, pole beginning 542′ from DER, 502′ right of centerline, up to 39′ AGL/1475′ MSL.
Tree, building, pole beginning 630′ from DER, 505′ left of centerline, up to 1467′ MSL.
Pole 1070′ from DER, 375′ left of centerline, 1468′ MSL.
Poles beginning 1077′ from DER, 374′ left of centerline, up to 39′ AGL/1470′ MSL.
Pole 1126′ from DER, 498′ right of centerline, 44′ AGL/1478′ MSL.
Poles beginning 1183′ from DER, 495′ left of centerline, up to 41′ AGL/1471′ MSL.
Signs beginning 1234′ from DER, 356′ left of centerline, up to 48′ AGL/1478′ MSL.

Rwy 25R: Lighting 30′ from DER, 114′ left of centerline, 3′ AGL/1456′ MSL.
Lighting, general utility beginning 30′ from DER, 112′ right of centerline, up to 2′ AGL/1456′ MSL.
General utility 31′ from DER, 112′ left of centerline, 4′ AGL/1457′ MSL.
Tree 1139′ from DER, 798′ right of centerline, 1490′ MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

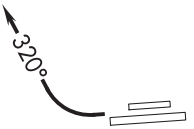
BNYRD SIX DEPARTURE (RNAV)

AL-6646 (FAA)

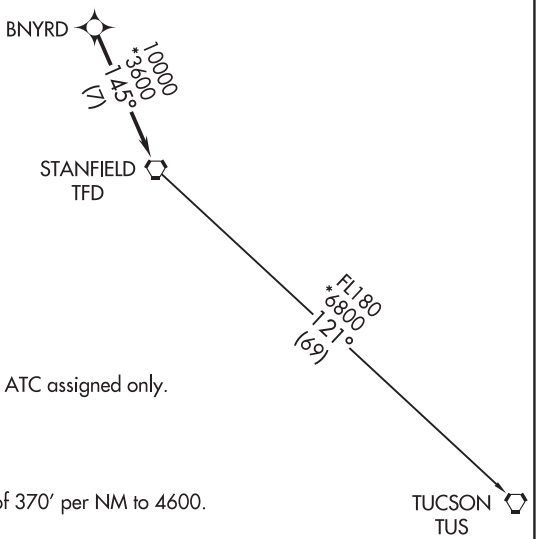
PHOENIX DEER VALLEY (DVT)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: ASSIGNED BY ATC



ATIS
126.5
CLNC DEL
123.9
GND CON
121.8
DEER VALLEY TOWER★
118.4 (Rwy 7R-25L)
120.2 (Rwy 7L-25R)
PHOENIX DEP CON
120.7 239.0



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS

Rwys 7L/R: NA - Obstacles.
Rwys 25L/R: Standard with minimum climb of 370' per NM to 4600.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BNYRD, then on track 145° to TFD VORTAC, then on (transition), maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

TUCSON TRANSITION (BNYRD6.TUS)

FTHLS SIX DEPARTURE (RNAV)

ATIS 126.5
CLNC DEL 123.9
GND CON 121.8
DEER VALLEY TOWER★ 118.4 (Rwy 7R-25L) 120.2 (Rwy 7L-25R)
PHOENIX DEP CON 120.7 239.0

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: ABQ transition ATC assigned only.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO file FTHLS DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK file LALUZ DEPARTURE.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS file YOTES DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 7L/R: NA-Obstacles.
Rwys 25L/R: Standard with minimum climb of 370' per NM to 4600.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BROAK, then on track 059° to FTHLS, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (FTHLS6.ABQ)

JNIPR TRANSITION (FTHLS6.JNIPR)

MAXXO TRANSITION (FTHLS6.MAXXO)

NOTE: Chart not to scale.

PHOENIX DEP CON
120.7 239.0
ATIS
126.5
CLNC DEL
123.9
GND CON
121.8
DEER VALLEY TOWER ★
118.4 (Rwy 7R-25L)
120.2 (Rwy 7L-25R)

TOP ALTITUDE: ASSIGNED BY ATC

RNAV 1 - GPS.
RADAR required.

NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 7L/R: NA - Obstacles.
Rwys 25L/R: Standard with minimum climb of 370'/NM to 4600.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .for RADAR vectors to KEENS, then on track 259° to IZZZO, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (IZZZO8.BLH)

HRRBR TRANSITION (IZZZO8.HRRBR)

WLVRN TRANSITION (IZZZO8.WLVRN)

(JUDTH7.JUDTH) 18144

JUDTH SEVEN DEPARTURE (RNAV)

PHOENIX DEER VALLEY (DVT)
PHOENIX, ARIZONA

AL-6646 (FAA)

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 126.5
CLNC DEL 123.9
GND CON 121.8
DEER VALLEY TOWER ★ 118.4 (Rwy 7R-25L) 120.2 (Rwy 7L-25R)
PHOENIX DEP CON 120.7 239.0

320°

N

NOTE: Chart not to scale.

TAKEOFF MINIMUMS
Rwys 7L/R: NA - Obstacles.
Rwys 25L/R: Standard with minimum climb of 370' per NM to 4600.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to GBN VORTAC, then on track 249° to JUDTH, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

MOHAK TRANSITION (JUDTH7.MOHAK)

FL180
*4000
248°
(15)
MOHAK

JUDTH

FL180
*3800
249°
(52)
GILA BEND
GBN

JUDTH SEVEN DEPARTURE (RNAV)
(JUDTH7.JUDTH) 24MAY18
PHOENIX, ARIZONA
PHOENIX DEER VALLEY (DVT)
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: ASSIGNED BY ATC

320°

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .on RADAR vectors to ECLPS, then on track 111° to KATMN, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

PHASE TRANSITION (KATMN6.PHASE)

ATIS 126.5
CLNC DEL 123.9
GND CON 121.8
DEER VALLEY TOWER ★ 118.4 (Rwy 7R-25L) 120.2 (Rwy 7L-25R)
PHOENIX DEP CON 120.7 239.0

N

ECLPS
FL180 *7600 111° (47)
KATMN
FL180 *7600 093° (48)
BOXXR
FL180 *9100 086° (31)
PHASE

NOTE: Chart not to scale.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS
Rwys 7L/R: NA-obstacles.
Rwys 25L/R: Standard with minimum climb of 370' per NM to 4600.

(LALUZ6.LALUZ) 18144

LALUZ SIX DEPARTURE (RNAV)

AL-6646 (FAA)

PHOENIX DEER VALLEY (DVT)
PHOENIX, ARIZONA

ATIS 126.5
CLNC DEL 123.9
GND CON 121.8
DEER VALLEY TOWER* 118.4 (Rwy 7R-25L) 120.2 (Rwy 7L-25R)
PHOENIX DEP CON 120.7 239.0

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: SJN TRANSITION for ABQ terminal arrivals only.
NOTE: MAXXO TRANSITION ATC assigned only.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS, file YOTES DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK, file LALUZ DEPARTURE.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO, file FTHLS DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS

Rwys 7L/R: NA-obstacles.
Rwys 25L/R: Standard with minimum climb of 370' per NM to 4600.

TOP ALTITUDE: ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to FORPE, then on track 055° to LALUZ, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

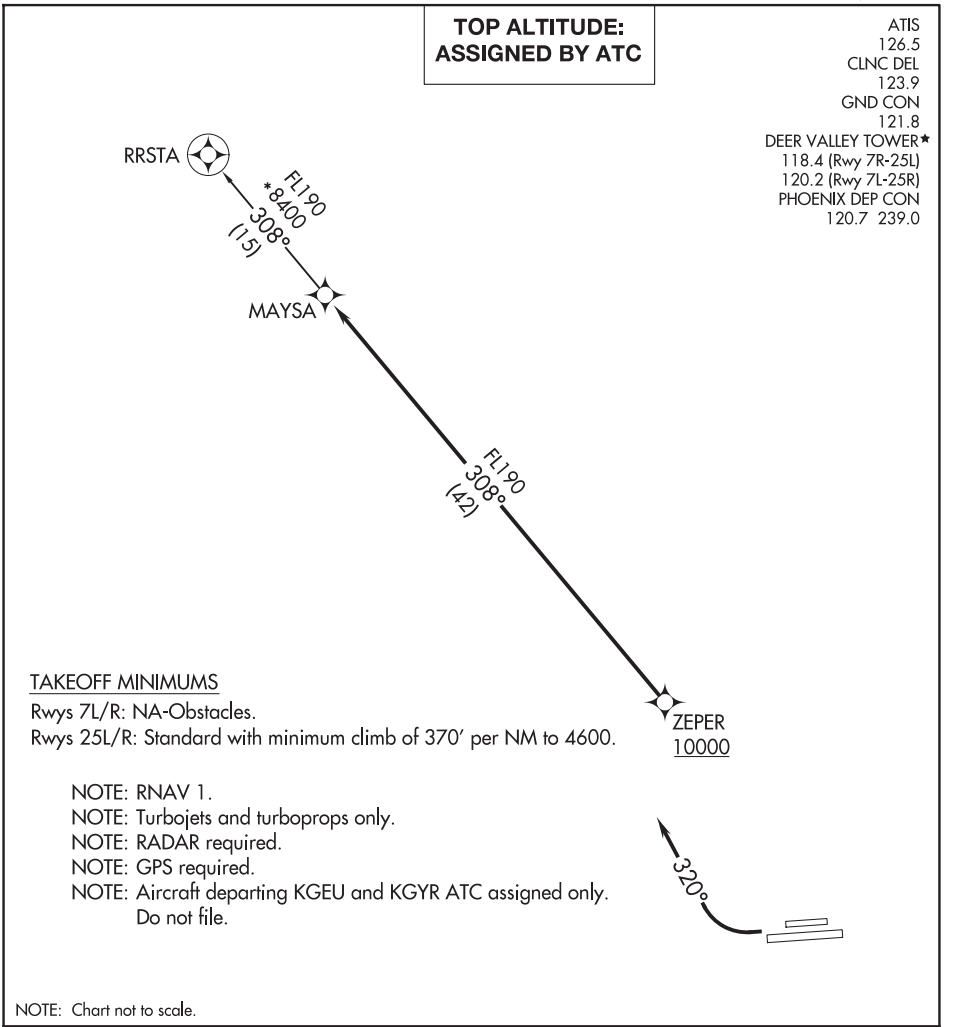
ALBUQUERQUE TRANSITION (LALUZ6.ABQ)

MAXXO TRANSITION (LALUZ6.MAXXO)

ST JOHNS TRANSITION (LALUZ6.SJN)

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025



TAKEOFF MINIMUMS
Rwys 7L/R: NA-Obstacles.
Rwys 25L/R: Standard with minimum climb of 370′ per NM to 4600.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only. Do not file.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to cross ZEPER at or above 10000, then on track 308° to MAYSA, then on RRSTA TRANSITION. Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

RRSTA TRANSITION (MAYSA7.RRSTA)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(SNOBL6.SNOBL) 18144

SNOBL SIX DEPARTURE (RNAV)

AL-6646 (FAA)

PHOENIX DEER VALLEY (DVT)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: ASSIGNED BY ATC

ATIS 126.5
CLNC DEL 123.9
GND CON 121.8
DEER VALLEY TOWER★ 118.4 (DEP Rwy 7R-25L) 120.2 (DEP Rwy 7L-25R)
PHOENIX DEP CON 120.7 239.0

GRAND CANYON
GCN

FL180 *9500 342° (26)

RIMMM

FL180 *11500 343° (10)

LOFTS

FL180 *11500 343° (36)

CARTL

FL180 *9300 343° (20)

SNOBL

14600 *8100 343° (20)

QUAKY

FL180 *10700 043° (94)

YOOPR

FL180 *10700 050° (123)

JARPA

320°

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: JARPA TRANSITION ATC assigned only.
NOTE: YOOPR TRANSITION ATC assigned only.
NOTE: CARTL TRANSITION for FLG or PGA terminal arrivals only.
NOTE: Aircraft departing from KGEU and KGYR ATC assigned only.

TAKEOFF MINIMUMS

Rwys 7L/R: NA-obstacles.
Rwys 25L/R: Standard with minimum climb of 370' per NM to 4600.

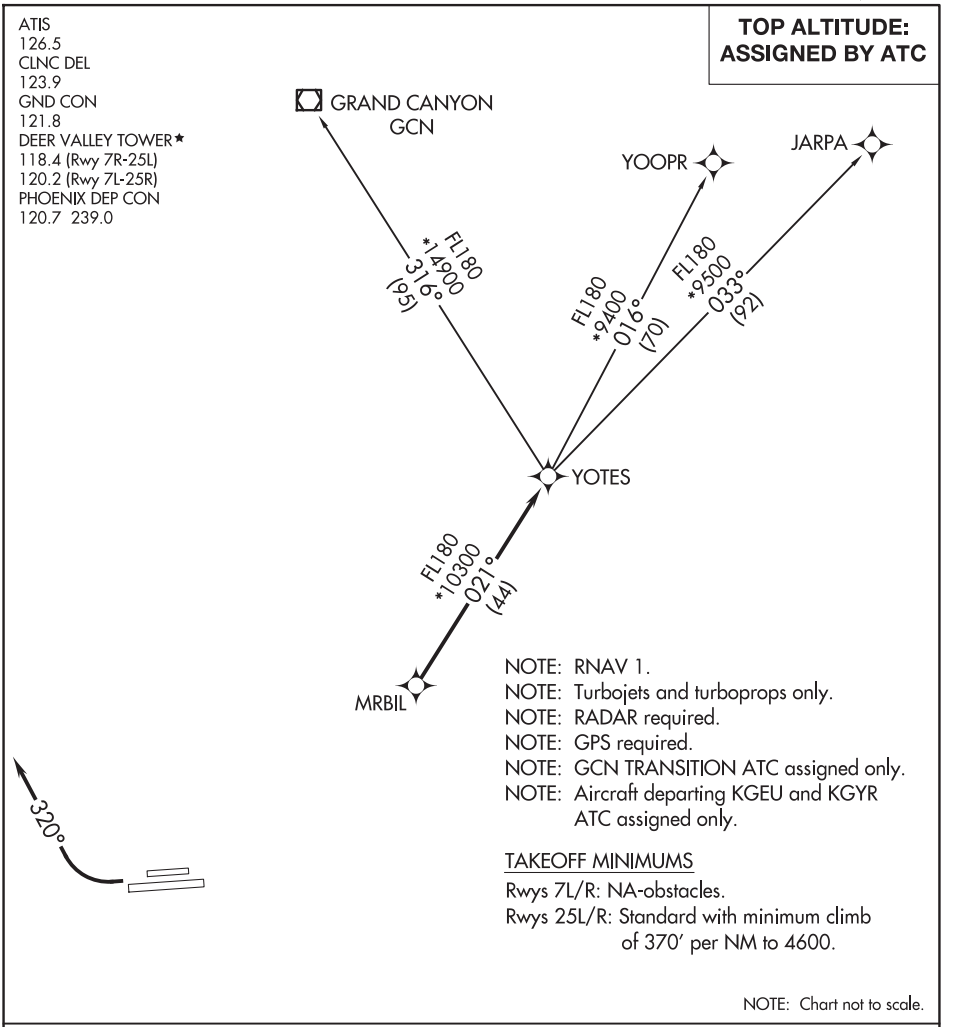
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to QUAKY, then on track 343° to SNOBL, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

CARTL TRANSITION (SNOBL6.CARTL)
GRAND CANYON TRANSITION (SNOBL6.GCN)
JARPA TRANSITION (SNOBL6.JARPA)
RIMMM TRANSITION (SNOBL6.RIMMM)
YOOPR TRANSITION (SNOBL6.YOOPR)

NOTE: Chart not to scale.



SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 25L/R: Climbing right turn heading 320° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to MRBIL, then on track 021° to YOTES, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

GRAND CANYON TRANSITION (YOTES6.GCN)

JARPA TRANSITION (YOTES6.JARPA)

YOOPR TRANSITION (YOTES6.YOOPR)

PHOENIX, ARIZONA

AL-322 (FAA)

24249

ILS or LOC RWY 7R

PHOENIX SKY HARBOR INTL (PHX)

LOC/DME I-AHA	APP CRS	Rwy Idg	7800
110.75	078°	TDZE	1116
Chan 44 (Y)		Apt Elev	1135

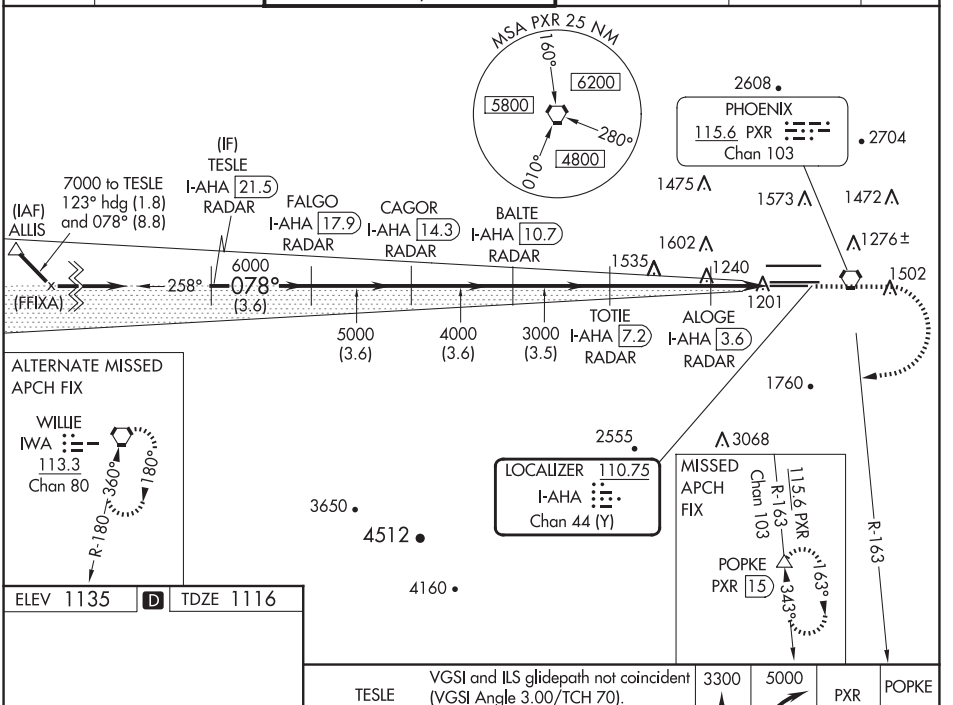
DME required.

Inop table does not apply to S-ILS 7R. Simultaneous approach authorized with ILS or LOC Rwy 8 and RNAV (GPS) Y Rwy 8. Rwy 7R helicopter visibility reduction below ¾ SM NA. LOC procedure NA during simultaneous operations. For inop ALS, increase S-LOC 7R visibility Cats A/B to 1 SM and Cats C/D to 1⅛ SM.

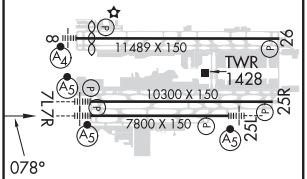
MALSR

MISSED APPROACH: Climb to 3300 then climbing right turn to 5000 on heading 250° and PXR VORTAC R-163 to POPKE/PXR 15 DME and hold.

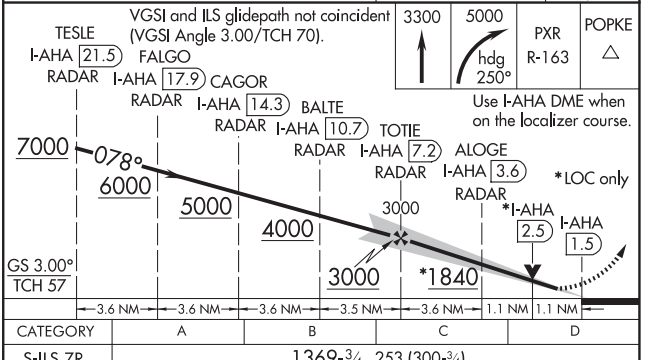
D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



ELEV 1135 | D | TDZE 1116



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26



FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

CATEGORY	A	B	C	D
S-ILS 7R	1369-¾ 253 (300-¾)			
S-LOC 7R	1520-¾ 404 (400-¾)			
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)

PHOENIX, ARIZONA
Amdt 2D 29DEC22

33°26'N-112°01'W

PHOENIX SKY HARBOR INTL (PHX)

ILS or LOC RWY 7R

SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 8

PHOENIX SKY HARBOR INTL (PHX)

LOC/DME I-SYQ	APP CRS	Rwy Idg 10591
111.75	078°	TDZE 1118
Chan 54 (Y)		Apt Elev 1135

DME or RADAR required.

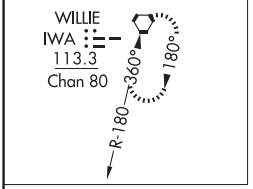
Autopilot coupled approach NA below 1307 MSL. Inop table does not apply to S-ILS 8. Simultaneous approach authorized. For inop ALS increase S-LOC 8 Cat C/D visibility to 2 SM.

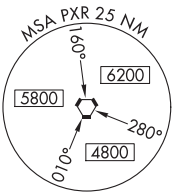
MALSF

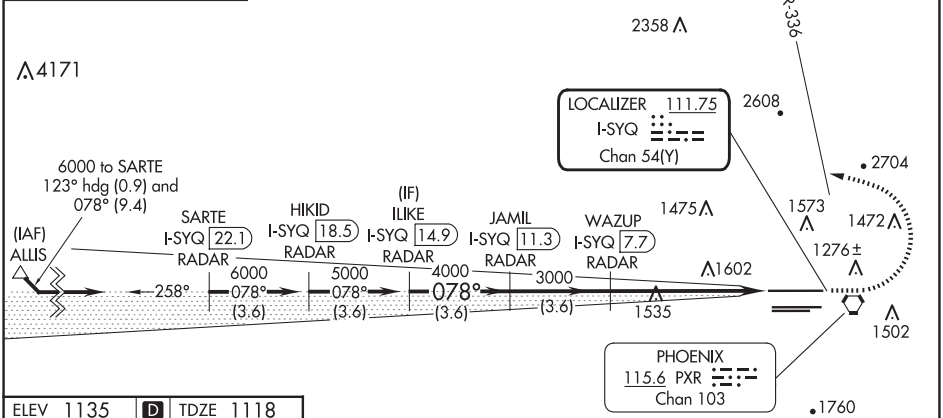
MISSED APPROACH: Climb to 3000 then climbing left turn to 5000 on heading 280° and PXR VORTAC R-336 to AVENT INT/15.9 DME and hold.

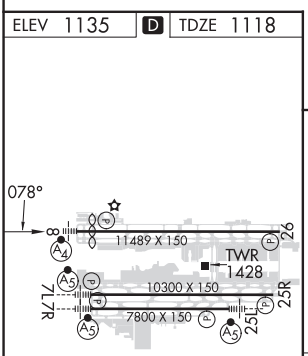
D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	

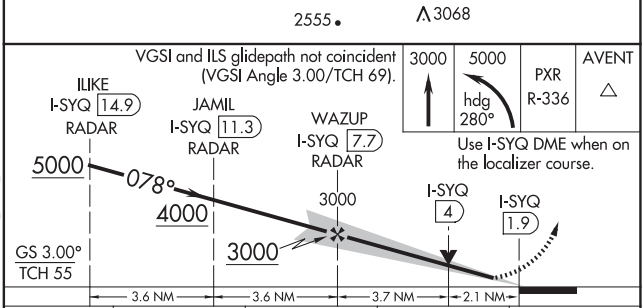
ALTERNATE MISSED APCH FIX











CATEGORY	A	B	C	D
S-ILS 8	1368-¾ 250 (300-¾)			
S-LOC 8	1860-¾ 742 (800-¾)	1860-1 742 (800-1)	1860-1⅞ 742 (800-1⅞)	
C CIRCLING	1860-1 725 (800-1)	1860-1¼ 725 (800-1¼)	2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)

HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-322 (FAA) | 24249

ILS or LOC RWY 25L

PHOENIX SKY HARBOR INTL (PHX)

LOC/DME I-RJG	APP CRS	Rwy Idg	7800
110.75	258°	TDZE	1126
Chan 44 (Y)		Apt Elev	1135

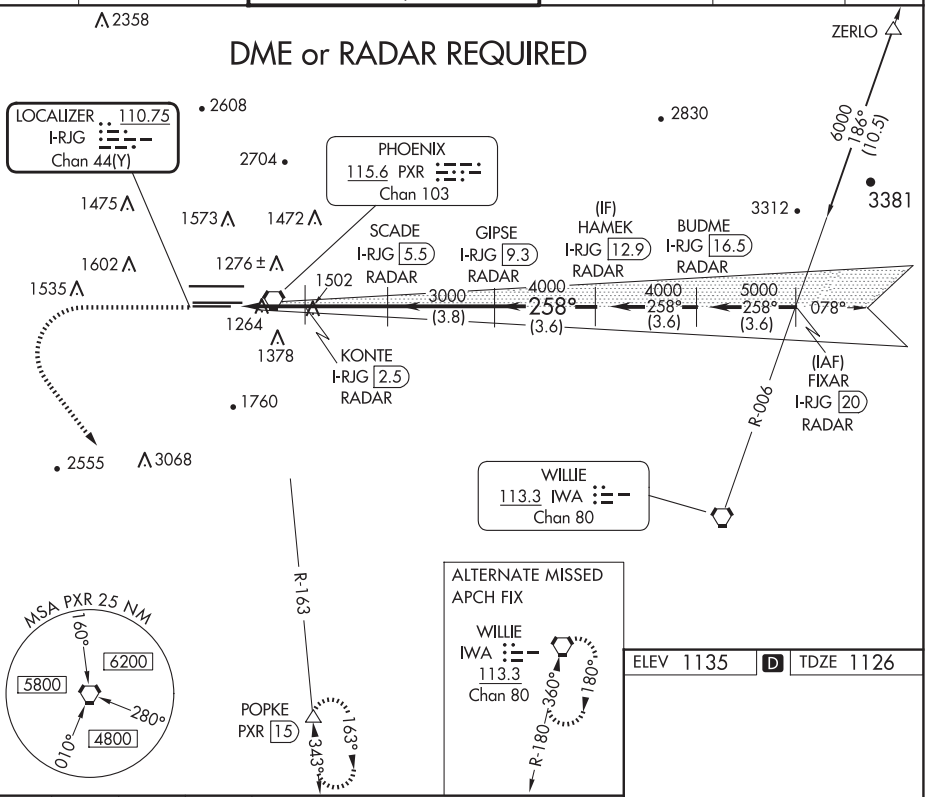
Autopilot coupled approach NA below 1925.
Simultaneous approach authorized with Rwy 26.

MALSR

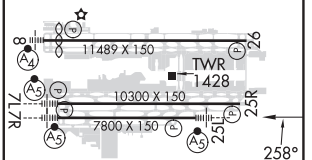
MISSED APPROACH: Climb to 3000 then climbing left turn to 5000 on heading 130° and PXR R-163 to POPKE/15 DME and hold.

D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	

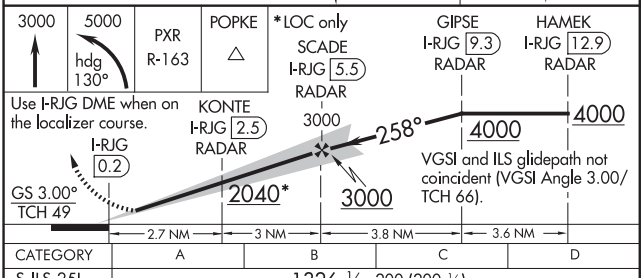
DME or RADAR REQUIRED



ELEV 1135	D	TDZE 1126



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26



CATEGORY	A	B	C	D
S-ILS 25L	1326-½ 200 (200-½)			
S-LOC 25L	1520-½ 394 (400-½)			1520-¾ 394 (400-¾)
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)

FAF to MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA
Amdt 1H 23APR20

33°26'N-112°01'W

PHOENIX SKY HARBOR INTL (PHX)
ILS or LOC RWY 25L

ILS or LOC RWY 26

PHOENIX SKY HARBOR INTL (PHX)

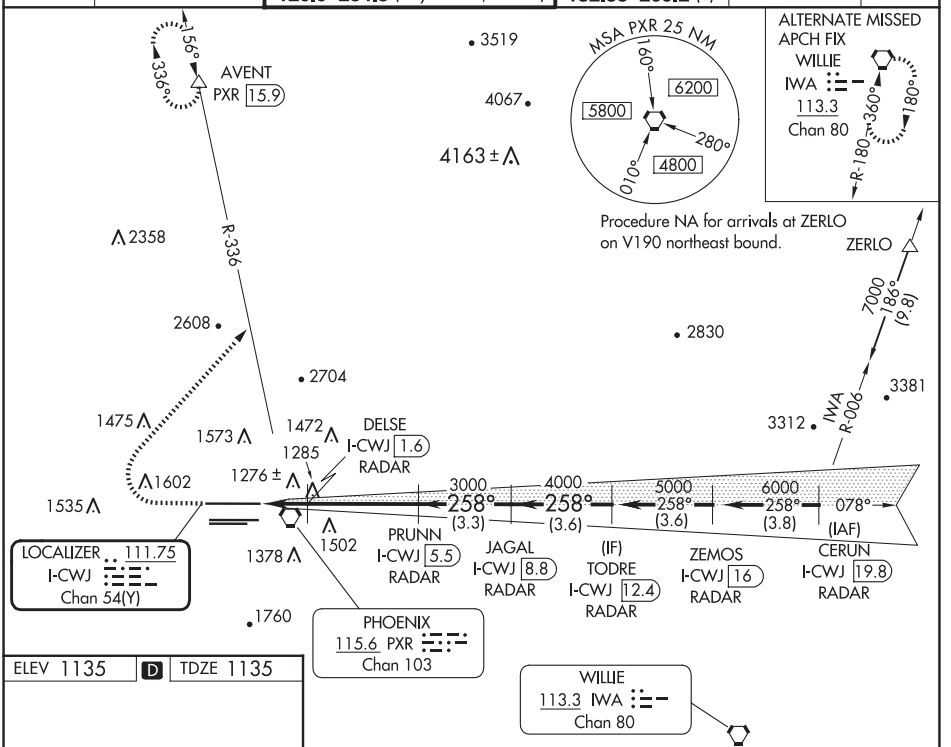
LOC/DME I-CWJ	APP CRS	Rwy Idg 11489
111.75	258°	TDZE 1135
Chan 54 (Y)		Apt Elev 1135

DME or RADAR required.

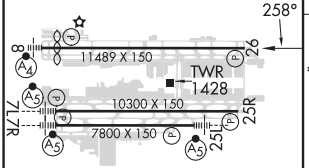
Simultaneous approach authorized.

MISSED APPROACH: Climb to 2500 then climbing right turn to 5000 on heading 030° and PXR VORTAC R-336 to AVENT/PXR 15.9 DME and hold.

D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



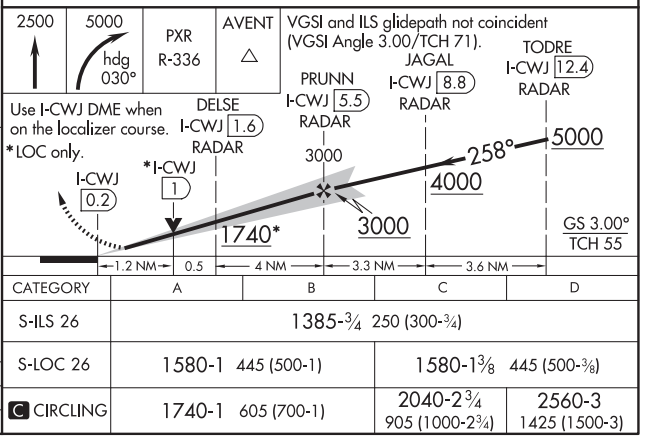
ELEV 1135 D TDZE 1135



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26

FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54



CATEGORY	A	B	C	D
S-ILS 26	1385-¾ 250 (300-¾)			
S-LOC 26	1580-1 445 (500-1)		1580-1⅜ 445 (500-⅜)	
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-322 (FAA) | 24249

LOC/DME I-PHX	APP CRS	Rwy Idg	10300
111.5	078°	TDZE	1116
Chan 52		Apt Elev	1135

ILS or LOC/DME RWY 7L

PHOENIX SKY HARBOR INTL (PHX)

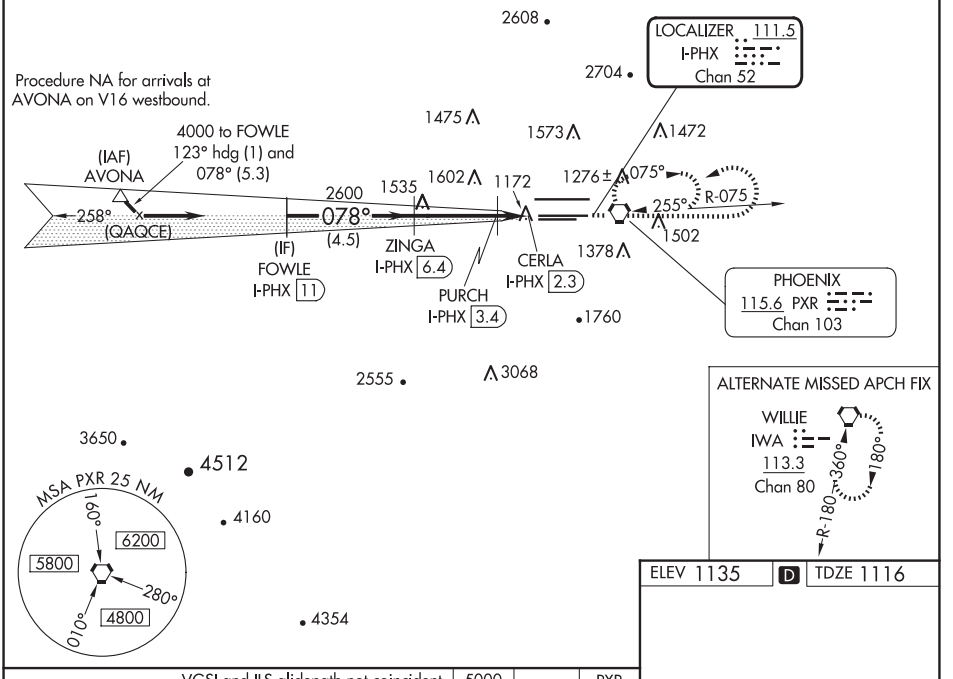
For inoperative ALS, increase S-LOC 7L Cats C/D visibility to RVR 5500.

MALSR

MISSED APPROACH: Climb to 5000 then left turn direct PXR VORTAC and hold.

D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	

DME REQUIRED



CATEGORY	A	B	C	D
S-ILS 7L	1326/24 210 (200-½)			
S-LOC 7L	1460/24 344 (400-½)		1460/30 344 (400-⅝)	
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)

HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26

PHOENIX, ARIZONA
Amdt 11B 23APR20

PHOENIX SKY HARBOR INTL (PHX)
33°26'N-112°01'W
ILS or LOC/DME RWY 7L

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	10300
CH 65811	078°	TDZE	1116
W07A		Apt Elev	1135

RNAV (GPS) Y RWY 7L

PHOENIX SKY HARBOR INTL (PHX)

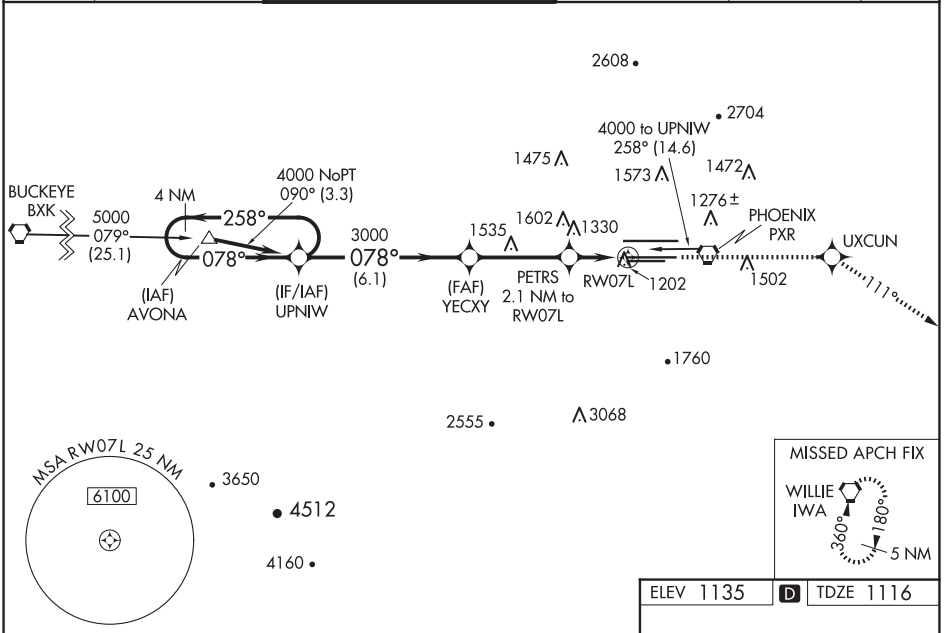
RNP APCH - GPS.

T A For inop ALS, increase visibility LPV all Cats to RVR 4500, LNAV/VNAV all Cats to RVR 6000, LNAV Cats C/D to 1⅜ SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. Simultaneous approach authorized. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

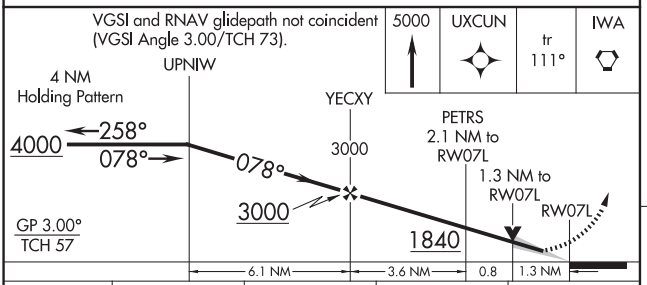
MALSR (A5)

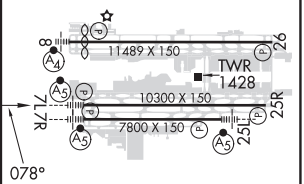
MISSED APPROACH: Climb to 5000 direct UXCUN and via 111° track to IWA VORTAC and hold.

D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



ELEV 1135 D TDZE 1116





CATEGORY	A	B	C	D
LPV DA	1389/24 273 (300-½)			
LNAV/VNAV DA	1519/50 403 (400-1)			
LNAV MDA	1580/24 464 (500-½)		1580/40 464 (500-¾)	1580/50 464 (500-1)
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)

HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-322 (FAA) | 24249

RNAV (GPS) Y RWY 7R

PHOENIX SKY HARBOR INTL (PHX)

WAAS	APP CRS	Rwy Idg	7800
CH 73011	078°	TDZE	1116
W07B		Apt Elev	1135

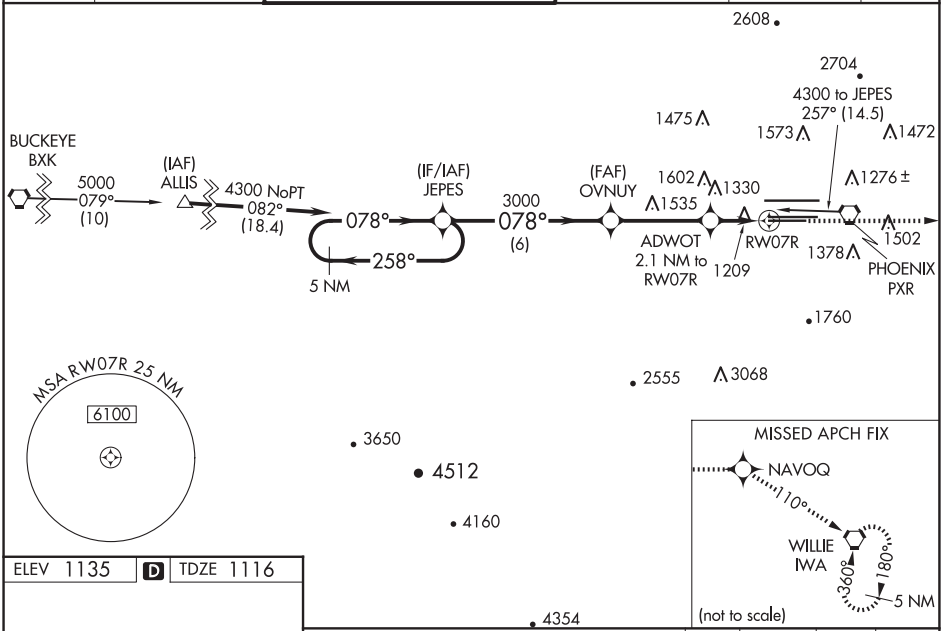
RNP APCH - GPS.

For inop ALS, increase visibility LPV all Cats to 7/8 SM, LNAV/VNAV all Cats to 1 1/8 SM, LNAV Cats A/B to 1 SM and C/D to 1 3/8 SM. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C or above 46°C. Rwy 7R helicopter visibility reduction below 3/4 SM NA. Simultaneous approach authorized. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

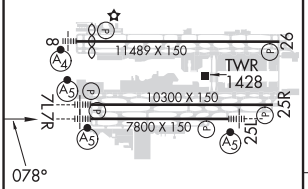
MALSR

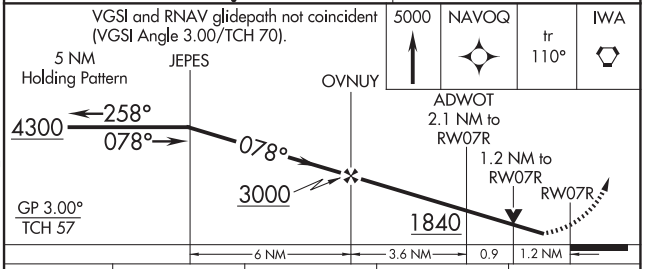
MISSED APPROACH: Climb to 5000 direct NAVOQ and via 110° track to IWA VORTAC and hold.

D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



ELEV 1135 | D | TDZE 1116





CATEGORY	A	B	C	D
LPV DA	1390-3/4	274 (300-3/4)		
LNAV/VNAV DA	1520-1	404 (400-1)		
LNAV MDA	1580-3/4	464 (500-3/4)	1580-1	464 (500-1)
C CIRCLING	1740-1	605 (700-1)	2040-2 3/4	2560-3
			905 (1000-2 3/4)	1425 (1500-3)

HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	10591
CH 86611	078°	TDZE	1118
W08A		Apt Elev	1135

RNAV (GPS) Y RWY 8

PHOENIX SKY HARBOR INTL (PHX)

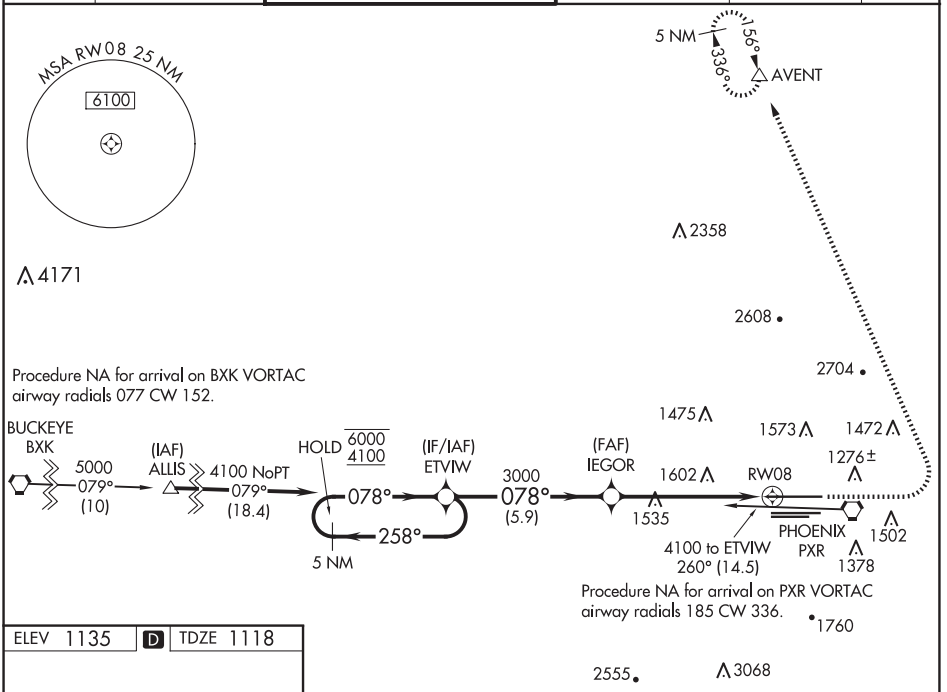
RNP APCH - GPS.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operatations.Inop table does not apply to LPV all Cats. For inop ALS, increase LNAV Cats C and D visibility to 2 SM.

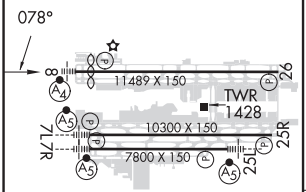
MALSF

MISSED APPROACH: Climb to 3000 then climbing left turn to 5000 direct AVENT and hold.

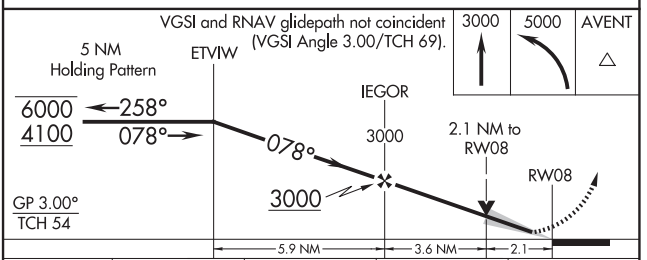
D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



ELEV 1135 D TDZE 1118



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26



CATEGORY	A	B	C	D
LPV DA	1368-¾ 250 (300-¾)			
LNAV MDA	1860-¾ 742 (800-¾)	1860-1 742 (800-1)	1860-1⅞ 742 (800-1⅞)	
C CIRCLING	1860-1 725 (800-1)	1860-1¼ 725 (800-1¼)	2040-2¾ 905 (1000-2¾)	2340-3 1205 (1300-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-322 (FAA) | 24249

RNAV (GPS) Y RWY 25L

PHOENIX SKY HARBOR INTL (PHX)

WAAS	APP CRS	Rwy Idg	7800
CH 82211	258°	TDZE	1126
W25B		Apt Elev	1135

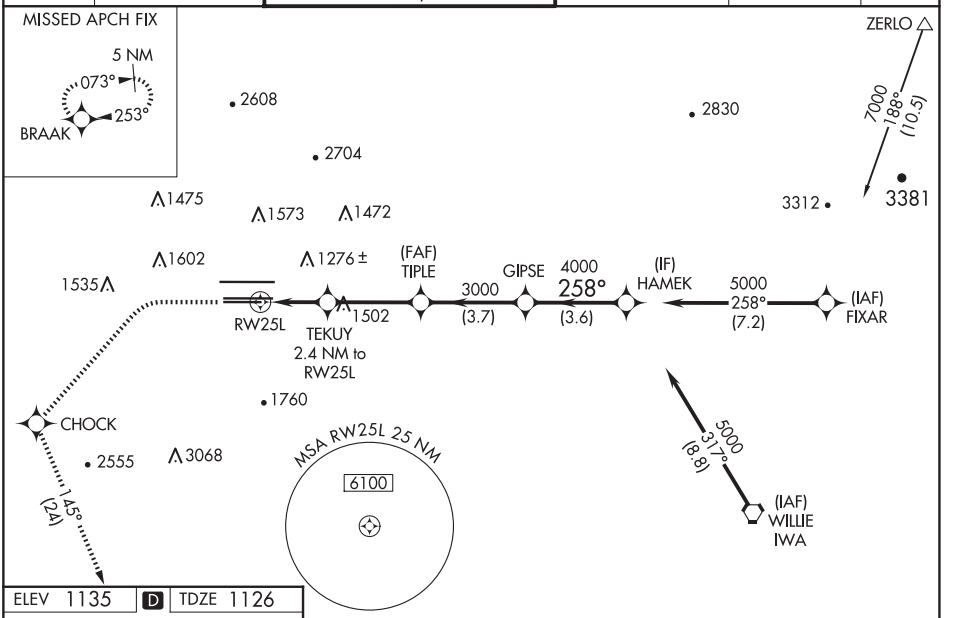
RNP APCH-GPS.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, procedure NA below 2°C or above 54°C . For inop ALS, increase visibility LPV all Cats to 1 SM, LNAV/VNAV all Cats to 1⅜ SM and LNAV Cats C/D 1¾ SM.

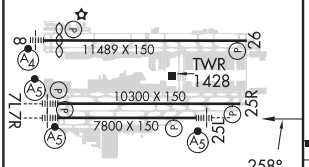
MALSR

MISSED APPROACH: Climb to 1900 then climbing left turn to 5000 direct CHOCK and on track 145° to BRAAK and hold.

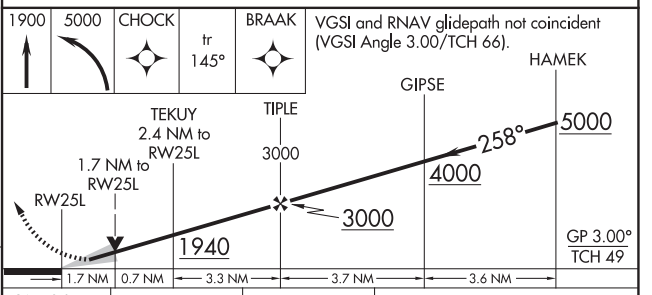
D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



ELEV 1135 | D | TDZE 1126



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26



CATEGORY	A	B	C	D
LPV DA	1449-½ 323 (400-½)			
LNAV/VNAV DA	1589-1 463 (500-1)			1674-1⅛ 548 (600-1⅛)
LNAV MDA	1740-½ 614 (700-½)		1740-1⅜ 614 (700-1⅜)	
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2340-3 1205 (1300-3)

PHOENIX, ARIZONA
Amdt 2 19MAY22

33°26'N-112°01'W

PHOENIX SKY HARBOR INTL (PHX)

RNAV (GPS) Y RWY 25L

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	10300
CH 40022	258°	TDZE	1134
W25A		Apt Elev	1135

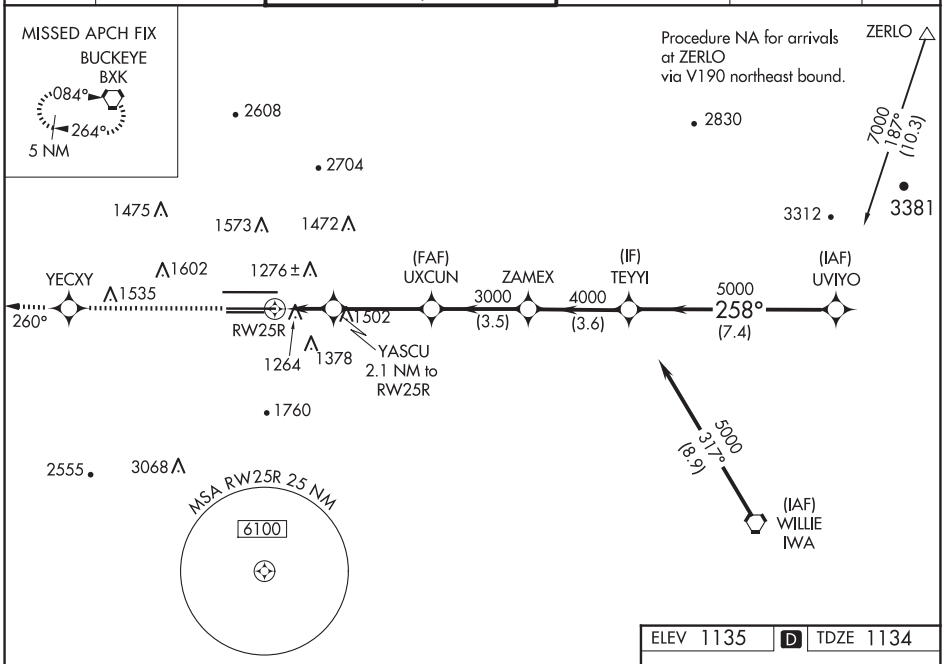
RNAV (GPS) Y RWY 25R

PHOENIX SKY HARBOR INTL (PHX)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP- 0.3 NA. Simultaneous approach authorized with ILS or LOC Rwy 26. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

MISSED APPROACH: Climb to 5000 direct YECXY and via 260° track to BXK VORTAC and hold.

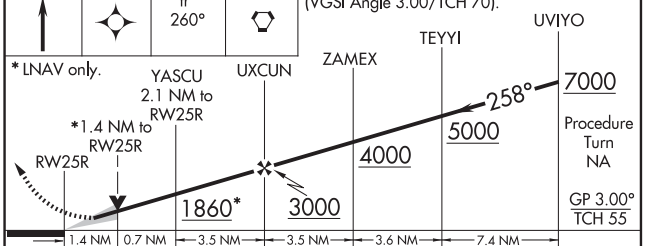
D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



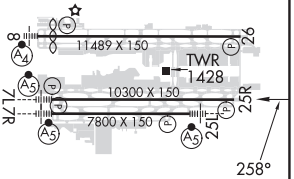
ELEV 1135	D	TDZE 1134

5000	YECXY	tr 260°	BXK

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 70).



CATEGORY	A	B	C	D
LPV DA	1439-1 305 (400-1)			
LNAV/VNAV DA	1580-1½ 446 (500-1½)			
LNAV MDA	1640-1 506 (600-1)		1640-1½ 506 (600-1½)	
C CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2560-3 1425 (1500-3)



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX, ARIZONA | AL-322 (FAA) | 24249

RNAV (GPS) Y RWY 26

PHOENIX SKY HARBOR INTL (PHX)

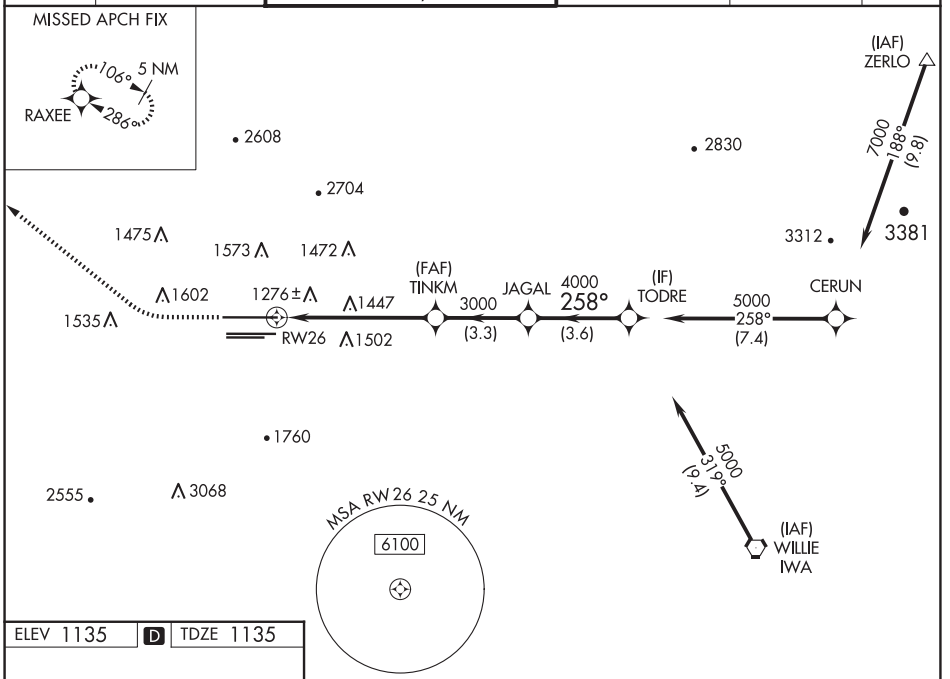
WAAS CH 70321 W26A	APP CRS 258°	Rwy Idg 11489 TDZE 1135 Apt Elev 1135

RNP APCH-GPS.

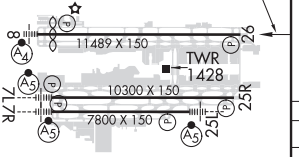
T A Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, procedure NA below 2°C or above 54°C .

MISSED APPROACH: Climb to 1700 then climbing right turn to 6000 direct RAXEE and hold.

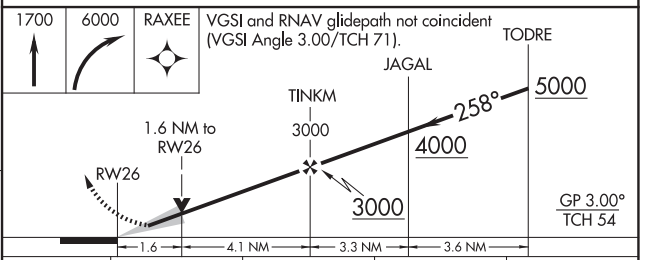
D-ATIS	PHOENIX APP CON	PHOENIX TOWER	GND CON	CLNC DEL	CPDLC
127.575	128.65 353.9	118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwy 7L-25R, 7R-25L)	119.75 269.2 (N) 132.55 269.2 (S)	118.1 269.2	



ELEV 1135 | D | TDZE 1135



HIRL Rwys 8-26, 7L-25R and 7R-25L
REIL Rwy 26



CATEGORY	A	B	C	D
LPV DA	1390-¾ 255 (300-¾)			
LNAV/VNAV DA	1581-1⅜ 446 (500-1⅜)			
LNAV MDA	1700-1 565 (600-1)		1700-1⅝ 565 (600-1⅝)	
CIRCLING	1740-1 605 (700-1)		2040-2¾ 905 (1000-2¾)	2340-3 1205 (1300-3)

PHOENIX, ARIZONA
Amdt 3 19MAY22

33°26′N-112°01′W

PHOENIX SKY HARBOR INTL (PHX)
RNAV (GPS) Y RWY 26

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

(BALDY3.MAXXO) 23334

BALDY THREE DEPARTURE

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

BALDY THREE DEPARTURE

(BALDY3.MAXXO) 28FEB19

PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 7L: Climb heading 078° to 1550, then climbing left turn heading 075°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence . . . .

TAKEOFF RUNWAY 7R: Climb heading 078° to 1550, then climbing left turn heading 070°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence . . . .

TAKEOFF RUNWAY 8: Climb heading 078° to 1550, then climbing right turn heading 080°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence . . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 140°. Thence . . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 140°. Thence . . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 140°. Thence . . . .

. . . . maintain 8000 for RADAR vectors to PXR R-070 to GILAA/PXR 55 DME, then pilot nav on IWA R-055 to ADYAN/IWA 95 DME, cross ADYAN at or above 14000 and proceed on RADAR vector 055° to join SJN R-078/CNX R-259 to MAXXO/CNX 51 DME; then (transition). Expect filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: Expect filed altitude 3 minutes after departure.

ANTON CHICO TRANSITION (BALDY3.ACH): From over MAXXO INT on ONM R-049 and ACH R-231 to ACH VORTAC.

CORONA TRANSITION (BALDY3.CNX): From over MAXXO INT on CNX R-259 to CNX VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

BROAK ONE DEPARTURE (RNAV)

(BROAK1.BROAK) 24MAY18

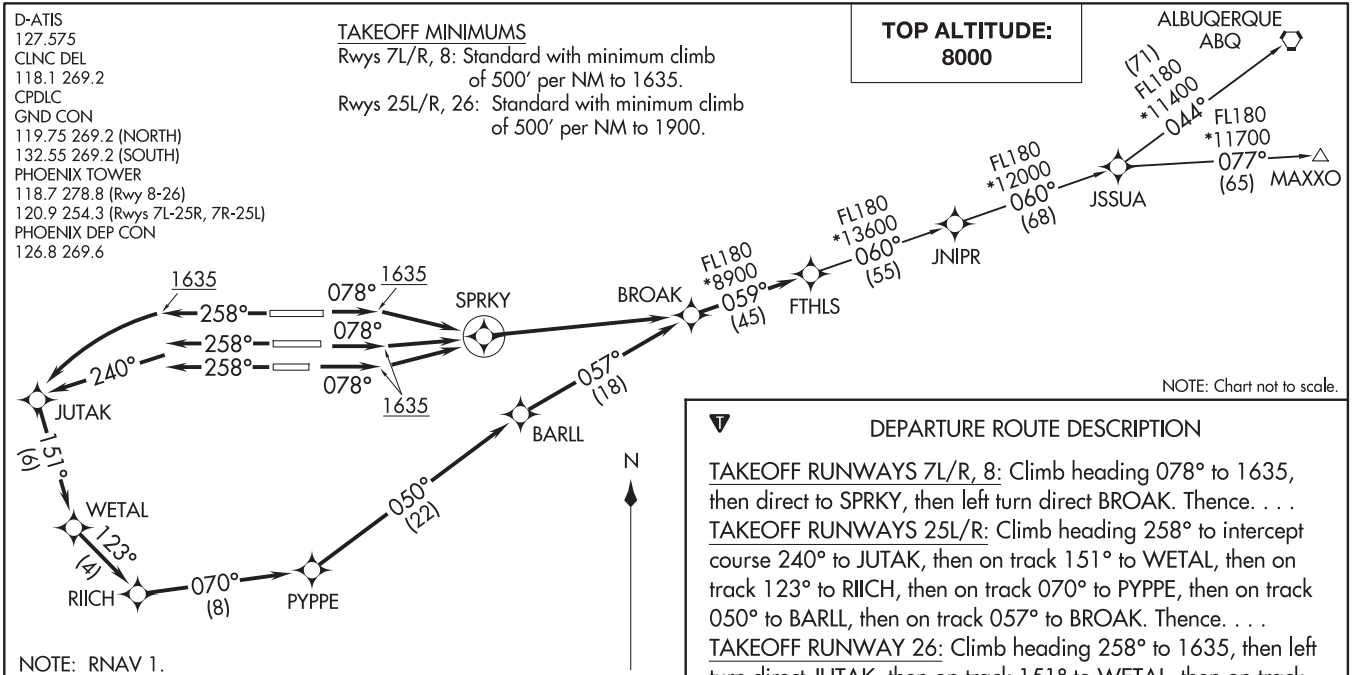
PHOENIX, ARIZONA

PHOENIX SKY HARBOR INTL (PHX)

D-ATIS
127.575
CLNC DEL
118.1 269.2
CPDLC
GND CON
119.75 269.2 (NORTH)
132.55 269.2 (SOUTH)
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwys 7L-25R, 7R-25L)
PHOENIX DEP CON
126.8 269.6

TAKEOFF MINIMUMS
Rwys 7L/R, 8: Standard with minimum climb of 500′ per NM to 1635.
Rwys 25L/R, 26: Standard with minimum climb of 500′ per NM to 1900.

TOP ALTITUDE: 8000



NOTE: Chart not to scale.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: ABQ transition ATC assigned only.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO file BROAK DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK file FORPE DEPARTURE.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS file MRBIL DEPARTURE.
NOTE: For non-GPS equipped aircraft, PXR and TFD DMEs must be operational.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to SPRKY, then left turn direct BROAK. Thence. . . .
TAKEOFF RUNWAYS 25L/R: Climb heading 258° to intercept course 240° to JUTAK, then on track 151° to WETAL, then on track 123° to RIICH, then on track 070° to PYPPE, then on track 050° to BARLL, then on track 057° to BROAK. Thence. . . .
TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then left turn direct JUTAK, then on track 151° to WETAL, then on track 123° to RIICH, then on track 070° to PYPPE, then on track 050° to BARLL, then on track 057° to BROAK. Thence. . . .

. . . on track 059° to FTHLS, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (BROAK1.ABQ)

JNIPR TRANSITION (BROAK1.JNIPR)

MAXXO TRANSITION (BROAK1.MAXXO)

(BROAK1.BROAK) 18144

BROAK ONE DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

BUCKEYE FOUR DEPARTURE

AL-322 (FAA)

TAKEOFF MINIMUMS

Rwys 7L/7R/8: Standard with minimum climb of 300' per NM to 8000.
Rwys 25L/25R/26: Standard with minimum climb of 350' per NM to 8000.

NOTE: Restricted to turbojet and turboprop aircraft only.
NOTE: RADAR and DME required.
NOTE: Aircraft requesting FL 220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file PARKER Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX:
Requesting FL240 and above, file PALMDALE or PALM SPRINGS Transition.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

BUCKEYE FOUR DEPARTURE
(BXK4.BXK) 25JUN15
PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

(BXK4.BXK) 18088

BUCKEYE FOUR DEPARTURE

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb heading 078° to 1550, then climbing right turn heading 080°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Expect RADAR vectors to BXK VORTAC. Thence . . . .

TAKEOFF RUNWAY 7L: Climb heading 078° to 1550, then climbing left turn heading 075°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Expect RADAR vectors to BXK VORTAC. Thence . . . .

TAKEOFF RUNWAY 7R: Climb heading 078° to 1550, then climbing left turn heading 070°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Expect RADAR vectors to BXK VORTAC. Thence . . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1550, then climbing left turn heading 240°, at 13 DME west of PXR VORTAC, climbing right turn heading 280° to the BXK R-077 to BXK VORTAC. Thence . . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1550, then climbing left turn heading 240°, at 13 DME west of PXR VORTAC, climbing right turn heading 280° to the BXK R-077 to BXK VORTAC. Thence . . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1550, then climbing left turn heading 240°, at 13 DME west of PXR VORTAC, climbing right turn heading 280° to the BXK R-077 to BXK VORTAC. Thence . . . .

. . . . maintain 8000, thence via (transition). Expect filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: Expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (BXK4.BLH): From over BXK VORTAC via BXK R-262 and BLH R-080 to BLH VORTAC.

PALMDALE TRANSITION (BXK4.PMD): From over BXK VORTAC via BXK R-269 to CURIV INT, then via PSP R-080 to DECAS INT, then via BLH R-278 and PMD R-095 to PMD VORTAC.

PALM SPRINGS TRANSITION (BXK4.PSP): From over BXK VORTAC via BXK R-269 to CURIV INT, then via PSP R-080 to PSP VORTAC.

PARKER TRANSITION (BXK4.PKE): From over BXK VORTAC via BXK R-279 and PKE R-097 to PKE VORTAC.

NOTE: Restricted to turbojet and turboprop aircraft only.
NOTE: RADAR and DME required.
NOTE: IGM Transition for turbojets landing LAS Terminal area only.
NOTE: HOBES Transition for turboprops landing LAS Terminal area only.

TAKEOFF MINIMUMS
Rwys 7L/7R/8: Standard with minimum climb of 300' per NM to 8000.
Rwys 25L/25R/26: Standard with minimum climb of 350' per NM to 8000.

(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb heading 078° to 1550, then climbing right turn heading 080°, at 4 DME east of PXR VORTAC, climbing left turn heading 045°. Thence . . . .
TAKEOFF RUNWAY 7L: Climb heading 078° to 1550, then climbing left turn heading 075°, at 4 DME east of PXR VORTAC, climbing left turn heading 045°. Thence . . . .
TAKEOFF RUNWAY 7R: Climb heading 078° to 1550, then climbing left turn heading 070°, at 4 DME east of PXR VORTAC, climbing left turn heading 045°. Thence . . . .
TAKEOFF RUNWAY 25L: Climb heading 258° to 1550, then climbing right turn heading 265°, at 9 DME west of PXR VORTAC, climbing right turn heading 360°. Thence . . . .
TAKEOFF RUNWAY 25R: Climb heading 258° to 1550, then climbing right turn heading 260°, at 9 DME west of PXR VORTAC, climbing right turn heading 360°. Thence . . . .
TAKEOFF RUNWAY 26: Climb heading 258° to 1550, then climbing right turn heading 260°, at 9 DME west of PXR VORTAC, climbing right turn heading 360°. Thence . . . .

. . . . maintain 8000, expect RADAR vectors to PXR R-321 to ZEPER/PXR 40 DME then CHILY INT. Thence via (transition). Expect filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: Expect filed altitude 3 minutes after departure.

BEATTY TRANSITION (CHILY4.BTY): From over CHILY INT via IGM R-104 to SISIE INT, then via DRK R-278 to DOVEE INT, then via BTY R-114 to BTY VORTAC.

HOBES TRANSITION (CHILY4.HOBES): From over CHILY INT via PXR R-321 to HOBES INT.

KINGMAN TRANSITION (CHILY4.IGM): From over CHILY INT via IGM R-104 to IGM VOR/DME.

NEEDLES TRANSITION (CHILY4.EED): From over CHILY INT via DRK R-259 and EED R-077 to EED VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

ECLPS ONE DEPARTURE (RNAV)

(ECLPS1.ECLPS) 24MAY18

(ECLPS1.ECLPS) 18144

ECLPS ONE DEPARTURE (RNAV)

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

TOP ALTITUDE: 8000

D-ATIS 127.575
CLNC DEL 118.1 269.2
CPDLC
GND CON 119.75 269.2 (NORTH) 132.55 269.2 (SOUTH)
PHOENIX TOWER 118.7 278.8 (Rwy 8-26) 120.9 254.3 (Rwys 7L-25R, 7R-25L)
PHOENIX DEP CON 126.8 269.6

N

1635 258° 078° 1635 SPRKY
258° 078°
258° 078° 1635
240°
JUTAK
151° (6)
WETAL
123° (4)
RIICH
095° (34)
ECLPS
FL180 *7700 111° (47)
KATMN
FL180 *9700 093° (48)
BOXXR
FL180 *9300 086° (31)
PHASE

NOTE: Chart not to scale.

TAKEOFF MINIMUMS

Rwys 7L/R, 8: Standard with minimum climb of 500′ per NM to 1635.
Rwys 25L/R, 26: Standard with minimum climb of 500′ per NM to 1900.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to SPRKY, then right turn direct ECLPS. Thence. . . .
TAKEOFF RUNWAYS 25L/R: Climb heading 258° to intercept course 240° to JUTAK, then on track 151° to WETAL, then on track 123° to RIICH, then on track 095° to ECLPS. Thence. . . .
TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then left turn direct JUTAK, then on track 151° to WETAL, then on track 123° to RIICH, then on track 095° to ECLPS. Thence. . . .

. . . .on track 111° to KATMN. Then on (transition), expect filed altitude 3 minutes after departure.

PHASE TRANSITION (ECLPS1.PHASE)

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: For non-GPS equipped aircraft, TFD and DUG DMEs must be operational.

FORPE ONE DEPARTURE (RNAV)

(FORPE1.FORPE) 24MAY18

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

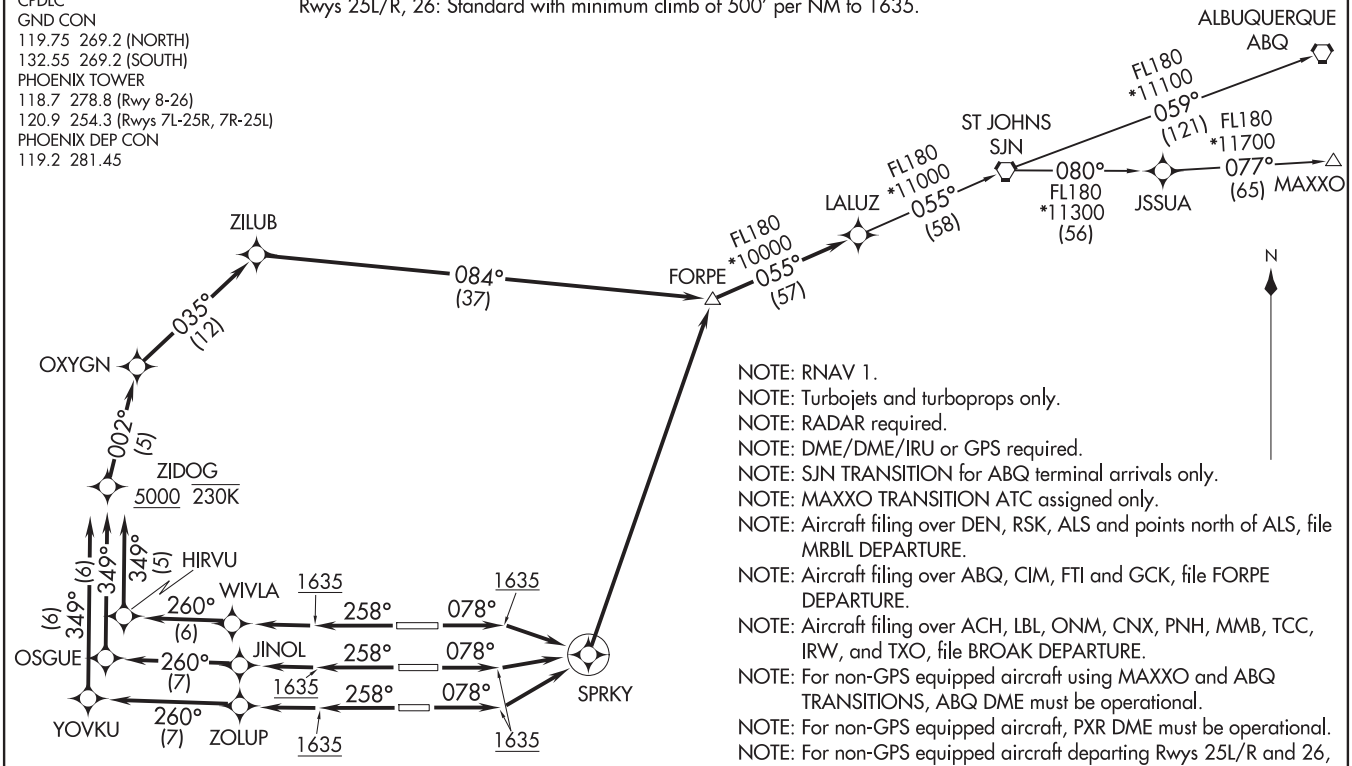
D-ATIS
127.575
CLNC DEL
118.1 269.2
CPDLC
GND CON
119.75 269.2 (NORTH)
132.55 269.2 (SOUTH)
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwys 7L-25R, 7R-25L)
PHOENIX DEP CON
119.2 281.45

TAKEOFF MINIMUMS

Rwys 7L/R, 8: Standard with minimum climb of 500′ per NM to 1635 then minimum climb of 250′ per NM to 7300.

Rwys 25L/R, 26: Standard with minimum climb of 500′ per NM to 1635.

TOP ALTITUDE: 8000



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: SJN TRANSITION for ABQ terminal arrivals only.
NOTE: MAXXO TRANSITION ATC assigned only.
NOTE: Aircraft filing over DEN, RSK, ALS and points north of ALS, file MRBIL DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI and GCK, file FORPE DEPARTURE.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW, and TXO, file BROAK DEPARTURE.
NOTE: For non-GPS equipped aircraft using MAXXO and ABQ TRANSITIONS, ABQ DME must be operational.
NOTE: For non-GPS equipped aircraft, PXR DME must be operational.
NOTE: For non-GPS equipped aircraft departing Rwys 25L/R and 26, IWA and TFD DMEs must be operational.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(FORPE1.FORPE) 18144

FORPE ONE DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

352

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L, 7R, 8: Climb heading 078° to 1635, then direct SPRKY, then left turn direct FORPE, thence . . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1635, then direct ZOLUP, then on track 260° to YOVKU, then on track 349° to cross ZIDOG at or above 5000 and at/below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 084° to FORPE, thence . . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1635, then direct JINOL, then on track 260° to OSGUE, then on track 349° to cross ZIDOG at or above 5000 and at/below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 084° to FORPE, thence . . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then direct WIVLA, then on track 260° to HIRVU, then on track 349° to cross ZIDOG at or above 5000 and at/below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 084° to FORPE, thence . . . .

. . . . on track 055° to LALUZ, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (FORPE1.ABQ)
MAXXO TRANSITION (FORPE1.MAXXO)
ST JOHNS TRANSITION (FORPE1.SJN)

SW-4, 07 AUG 2025 to 02 OCT 2025

FYRBD ONE DEPARTURE (RNAV)

(FYRBD1.FYRBD) 24MAY18

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct FUTEP, then on track 132° to AZCRD, then on track 199° to USEYE, then on track 264° to cross MASVE at/above 7000 and at/below 220K, then on track 264° to OAKLI, then on track 222° to FYRBD, thence. . . .

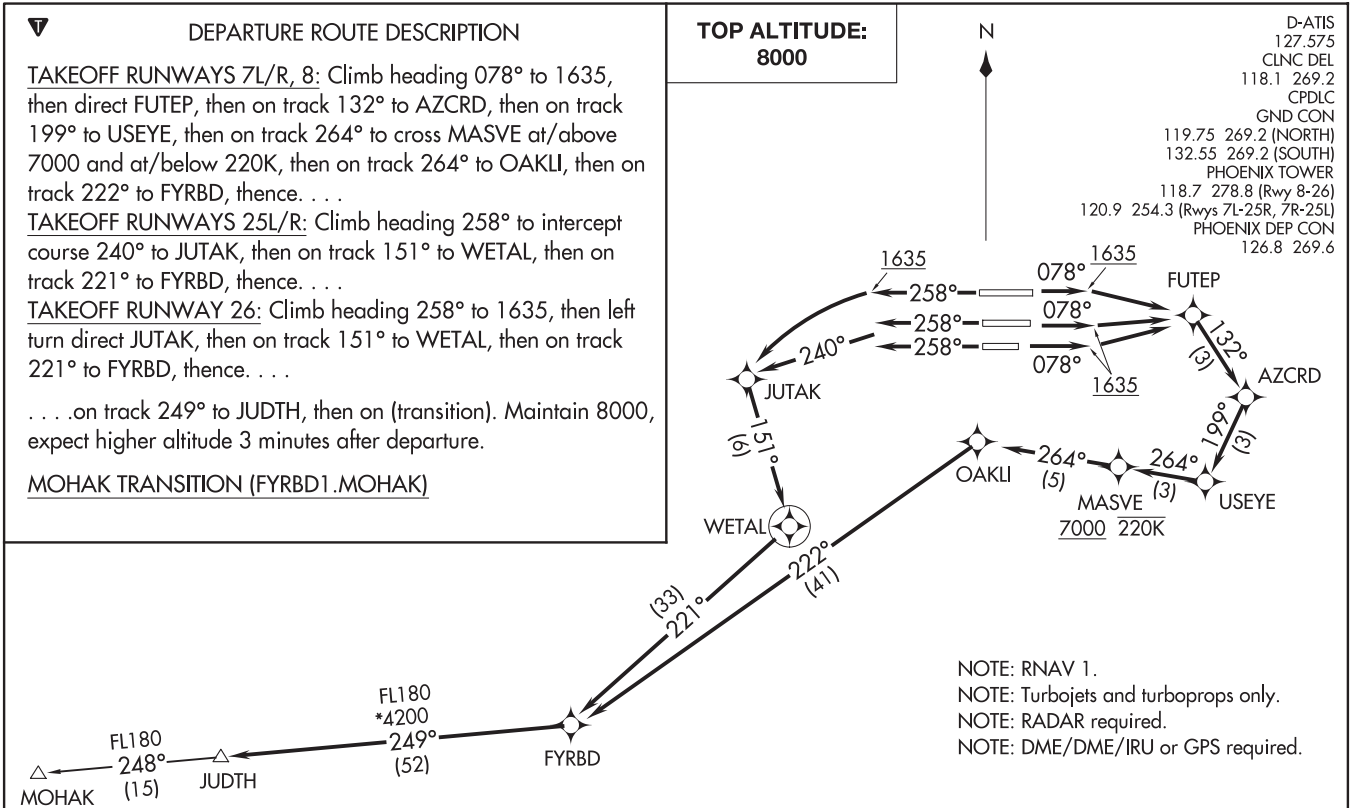
TAKEOFF RUNWAYS 25L/R: Climb heading 258° to intercept course 240° to JUTAK, then on track 151° to WETAL, then on track 221° to FYRBD, thence. . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then left turn direct JUTAK, then on track 151° to WETAL, then on track 221° to FYRBD, thence. . . .

. . . .on track 249° to JUDTH, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

MOHAK TRANSITION (FYRBD1.MOHAK)

TOP ALTITUDE: 8000



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.

TAKEOFF MINIMUMS
Rwys 7L/R, 8: Standard.
Rwys 25L/R, 26: Standard with minimum climb of 500′ per NM to 1635, then minimum climb of 260′ per NM to 5400.

NOTE: Chart not to scale.

(FYRBD1.FYRBD) 18144

FYRBD ONE DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

KEENS THREE DEPARTURE (RNAV)

(KEENS3.KEENS) 25JAN24

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

(KEENS3.KEENS) 24025

KEENS THREE DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)

PHOENIX, ARIZONA

PHOENIX DEP CON
126.8 269.6
D-ATIS
127.575
CLNC DEL
118.1 269.2
GND CON
119.75 269.2 (NORTH)
132.55 269.2 (SOUTH)
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwys 7L-25R, 7R-25L)

TOP ALTITUDE: 8000

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb on heading 078° to 1635, then direct FUTEP, then on track 132° to AZCRD, then on track 199° to USEYE, then on track 264° to cross MASVE at/above 7000 and at/below 220K, then on track 264° to OAKLI, then on track 268° to KEENS, thence. . . .

TAKEOFF RUNWAYS 25L/R: Climb on heading 258° to intercept course 240° to WULKO, then on track 268° to KEENS, thence. . . .

TAKEOFF RUNWAY 26: Climb on heading 258° to 1635, then left turn direct WULKO, then on track 268° to KEENS, thence. . . .

. . . .on track 259° to IZZZO, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

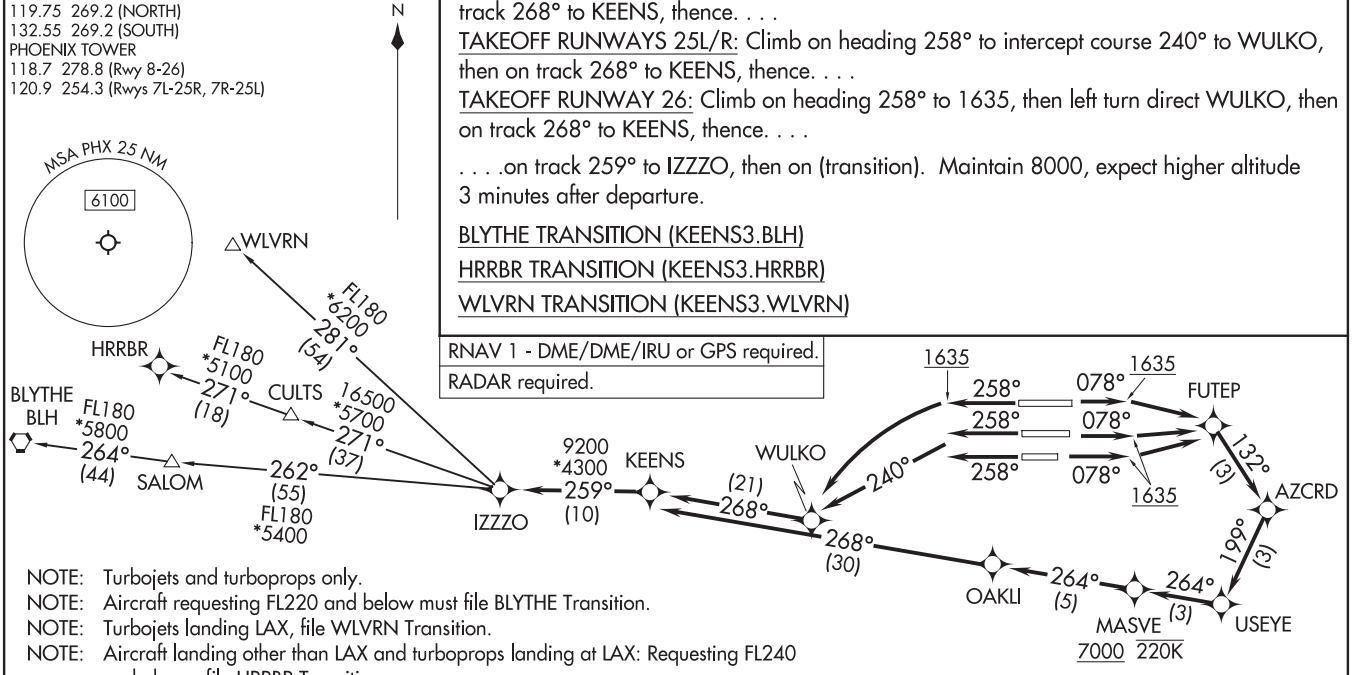
BLYTHE TRANSITION (KEENS3.BLH)

HRRBR TRANSITION (KEENS3.HRRBR)

WLVRN TRANSITION (KEENS3.WLVRN)

RNAV 1 - DME/DME/IRU or GPS required.

RADAR required.



NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.

NOTE: Chart not to scale.

TAKEOFF MINIMUMS
Rwys 7L/R, 8: Standard.
Rwys 25L/R, 26: Standard with minimum climb of 500'/NM to 1635.

(MOBIE4.MOBIE) 23334

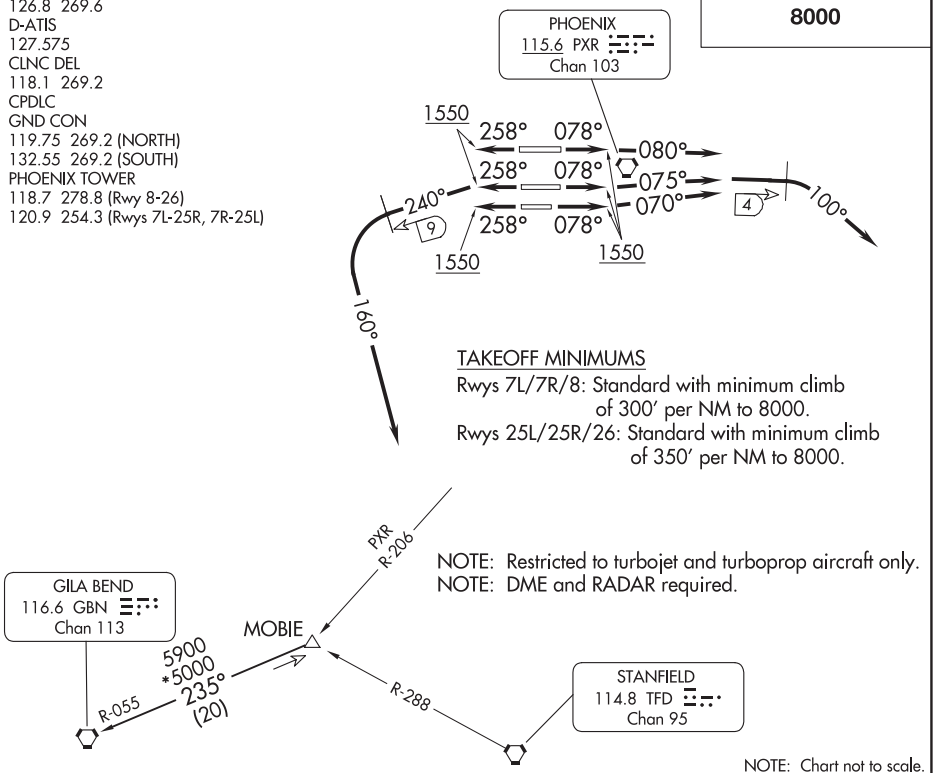
MOBIE FOUR DEPARTURE

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

PHOENIX DEP CON
126.8 269.6
D-ATIS
127.575
CLNC DEL
118.1 269.2
CPDLC
GND CON
119.75 269.2 (NORTH)
132.55 269.2 (SOUTH)
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwys 7L-25R, 7R-25L)

TOP ALTITUDE: 8000



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb heading 078° to 1550, then climbing right turn heading 080°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence. . . .

TAKEOFF RUNWAY 7L: Climb heading 078° to 1550, then climbing left turn heading 075°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence. . . .

TAKEOFF RUNWAY 7R: Climb heading 078° to 1550, then climbing left turn heading 070°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence. . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 160°. Thence. . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 160°. Thence. . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 160°. Thence. . . .

. . . . maintain 8000, expect RADAR vectors to MOBIE INT thence via (transition). Expect filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: Expect filed altitude 3 minutes after departure.

GILA BEND TRANSITION (MOBIE4.GBN): From over MOBIE INT via GBN R-055 to GBN VORTAC.

MRBIL ONE DEPARTURE (RNAV)

AL-322 (FAA)

D-ATIS
127.575
CLNC DEL
118.1 269.2
CPDLC
GND CON
119.75 269.2 (NORTH)
132.55 269.2 (SOUTH)
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwys 7L-25R, 7R-25L)
PHOENIX DEP CON
119.2 281.45

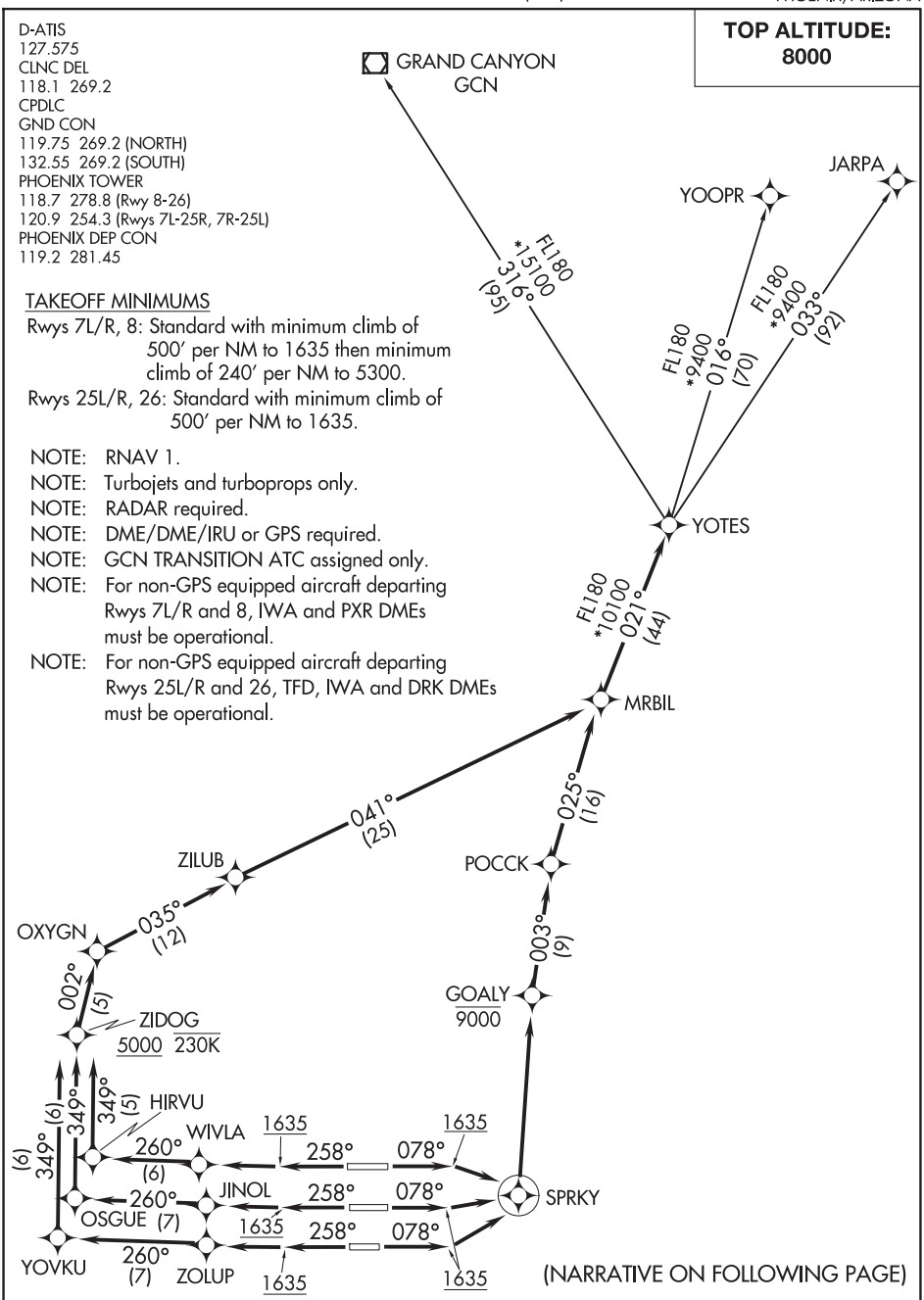
TOP ALTITUDE: 8000

TAKEOFF MINIMUMS

Rwys 7L/R, 8: Standard with minimum climb of 500′ per NM to 1635 then minimum climb of 240′ per NM to 5300.

Rwys 25L/R, 26: Standard with minimum climb of 500′ per NM to 1635.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: GCN TRANSITION ATC assigned only.
NOTE: For non-GPS equipped aircraft departing Rwys 7L/R and 8, IWA and PXR DMEs must be operational.
NOTE: For non-GPS equipped aircraft departing Rwys 25L/R and 26, TFD, IWA and DRK DMEs must be operational.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to SPRKY, then turn left direct to cross GOALY at/below 9000, then on track 003° to POCCK, then on track 025° to MRBIL, thence. . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1635, then direct ZOLUP, then on track 260° to YOVKU, then on track 349° to cross ZIDOG at/above 5000 and at/below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 041° to MRBIL, thence. . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1635, then direct JINOL, then on track 260° to OSGUE, then on track 349° to cross ZIDOG at/above 5000 and at/below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 041° to MRBIL, thence. . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then direct WIVLA, then on track 260° to HIRVU, then on track 349° to cross ZIDOG at/above 5000 and at/below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 041° to MRBIL, thence. . . .

. . . .on track 021° to YOTES, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

GRAND CANYON TRANSITION (MRBIL1.GCN)

JARPA TRANSITION (MRBIL1.JARPA)

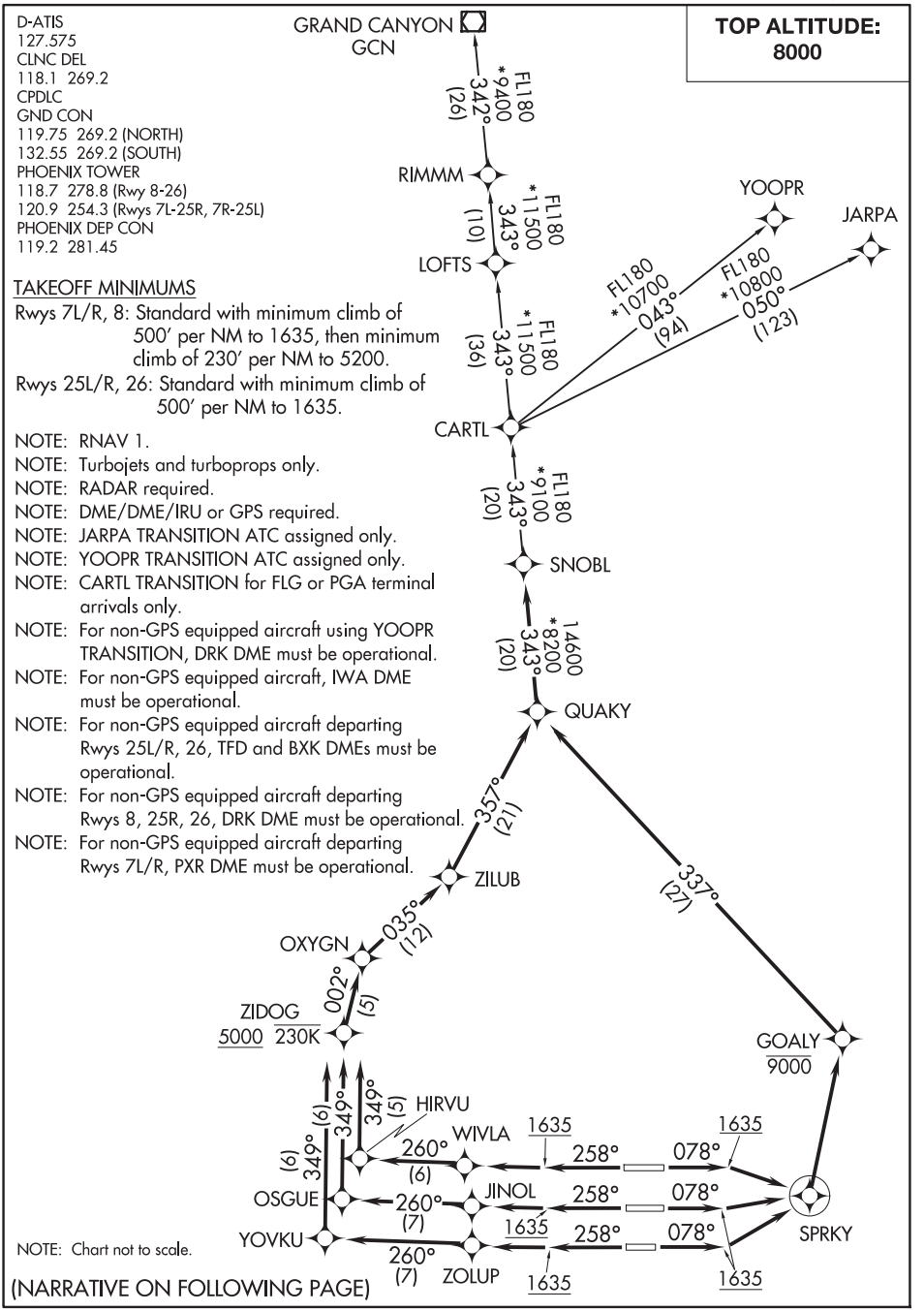
YOOPR TRANSITION (MRBIL1.YOOPR)

SW-4, 07 AUG 2025 to 02 OCT 2025

QUAKY ONE DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct SPRKY, then left turn direct to cross GOALY at/below 9000, then on track 337° to QUAKY, thence . . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1635, then direct ZOLUP, then on track 260° to YOVKU, then on track 349° to cross ZIDOG at or above 5000 and at or below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 357° to QUAKY, thence . . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1635, then direct JINOL, then on track 260° to OSGUE, then on track 349° to cross ZIDOG at or above 5000 and at or below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 357° to QUAKY, thence . . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then direct WIVLA, then on track 260° to HIRVU, then on track 349° to cross ZIDOG at or above 5000 and at or below 230K, then on track 002° to OXYGN, then on track 035° to ZILUB, then on track 357° to QUAKY, thence . . . .

. . . . on track 343° to SNOBL, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

CARTL TRANSITION (QUAKY1.CARTL)
GRAND CANYON TRANSITION (QUAKY1.GCN)
JARPA TRANSITION (QUAKY1.JARPA)
RIMMM TRANSITION (QUAKY1.RIMMM)
YOOPR TRANSITION (QUAKY1.YOOPR)

SW-4, 07 AUG 2025 to 02 OCT 2025

(CONTINUED ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 7L: Climb heading 078° to 1550, then climbing left turn heading 075°, at 4 DME east of PXR VORTAC, climbing left turn heading 045° to PXR R-054 to SJN VORTAC, maintain 8000. Thence . . . .

TAKEOFF RUNWAY 7R: Climb heading 078° to 1550, then climbing left turn heading 070°, at 4 DME east of PXR VORTAC, climbing left turn heading 045° to PXR R-054 to SJN VORTAC, maintain 8000. Thence . . . .

TAKEOFF RUNWAY 8: Climb heading 078° to 1550, then climbing right turn heading 080°, at 4 DME east of PXR VORTAC, climbing left turn heading 045° to PXR R-054 to SJN VORTAC, maintain 8000. Thence . . . .

TAKEOFF RUNWAY 25L: Climb heading 258° to 1550, then climbing right turn heading 265°, at 9 DME west of PXR VORTAC, climbing right turn heading 360°, maintain 8000 for RADAR vectors to PXR R-054 to SJN VORTAC. Thence . . . .

TAKEOFF RUNWAY 25R: Climb heading 258° to 1550, then climbing right turn heading 260°, at 9 DME west of PXR VORTAC, climbing right turn heading 360°, maintain 8000 for RADAR vectors to PXR R-054 to SJN VORTAC. Thence . . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1550, then climbing right turn heading 260°, at 9 DME west of PXR VORTAC, climbing right turn heading 360°, maintain 8000 for RADAR vectors to PXR R-054 to SJN VORTAC. Thence . . . .

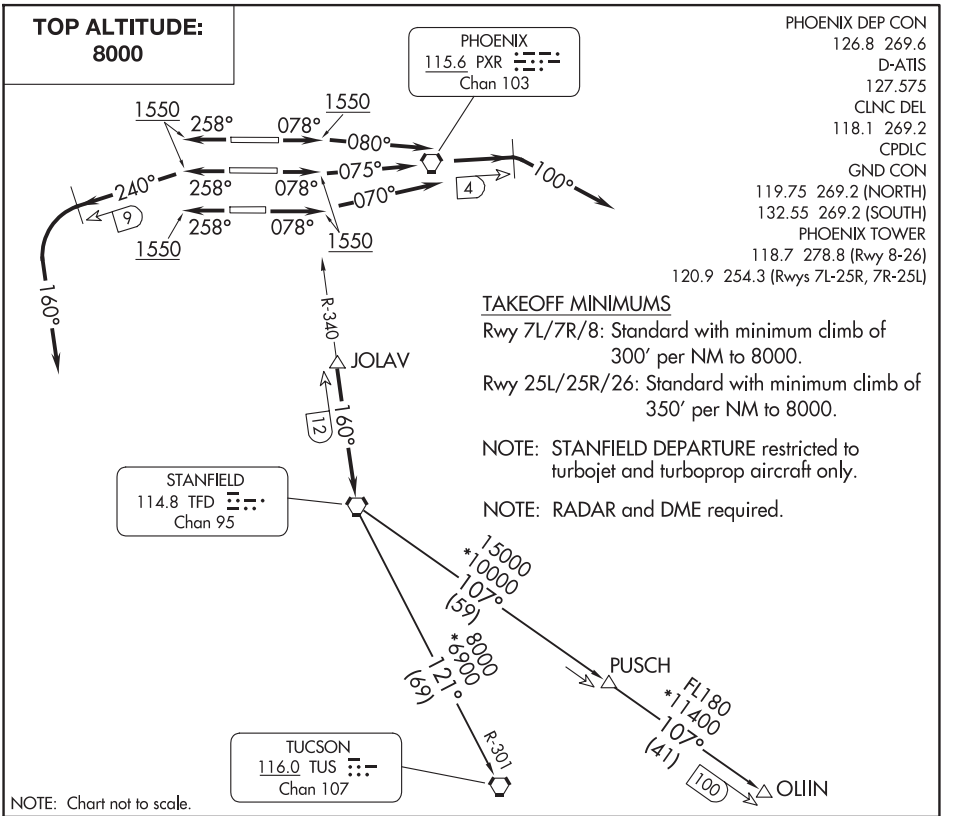
. . . . (transition). Expect filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: Expect filed altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (SJN9.ABQ): From over SJN VORTAC on SJN R-059 and ABQ R-240 to ABQ VORTAC.

STANFIELD FOUR DEPARTURE

AL-322 (FAA)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb heading 078° to 1550, then climbing right turn heading 080°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence. . . .

TAKEOFF RUNWAY 7L: Climb heading 078° to 1550, then climbing left turn heading 075°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence. . . .

TAKEOFF RUNWAY 7R: Climb heading 078° to 1550, then climbing left turn heading 070°, at 4 DME east of PXR VORTAC, climbing right turn heading 100°. Thence. . . .

TAKEOFF RUNWAY 25L/25R/26: Climb heading 258° to 1550, then climbing left turn heading 240°, at 9 DME west of PXR VORTAC, climbing left turn heading 160°. Thence. . . .

. . . .maintain 8000, expect RADAR vectors to TFD R-340 to TFD VORTAC. Thence via (Transition). Expect further clearance to filed altitude 3 minutes after departure.

LOST COMMUNICATIONS: Expect filed altitude 3 minutes after departure.

OLIIN TRANSITION (TFD4.OLIIN): From over TFD VORTAC on TFD R-107 to OLIIN INT.

TUCSON TRANSITION (TFD4.TUS): From over TFD VORTAC on TFD R-121 and TUS R-301 to TUS VORTAC.

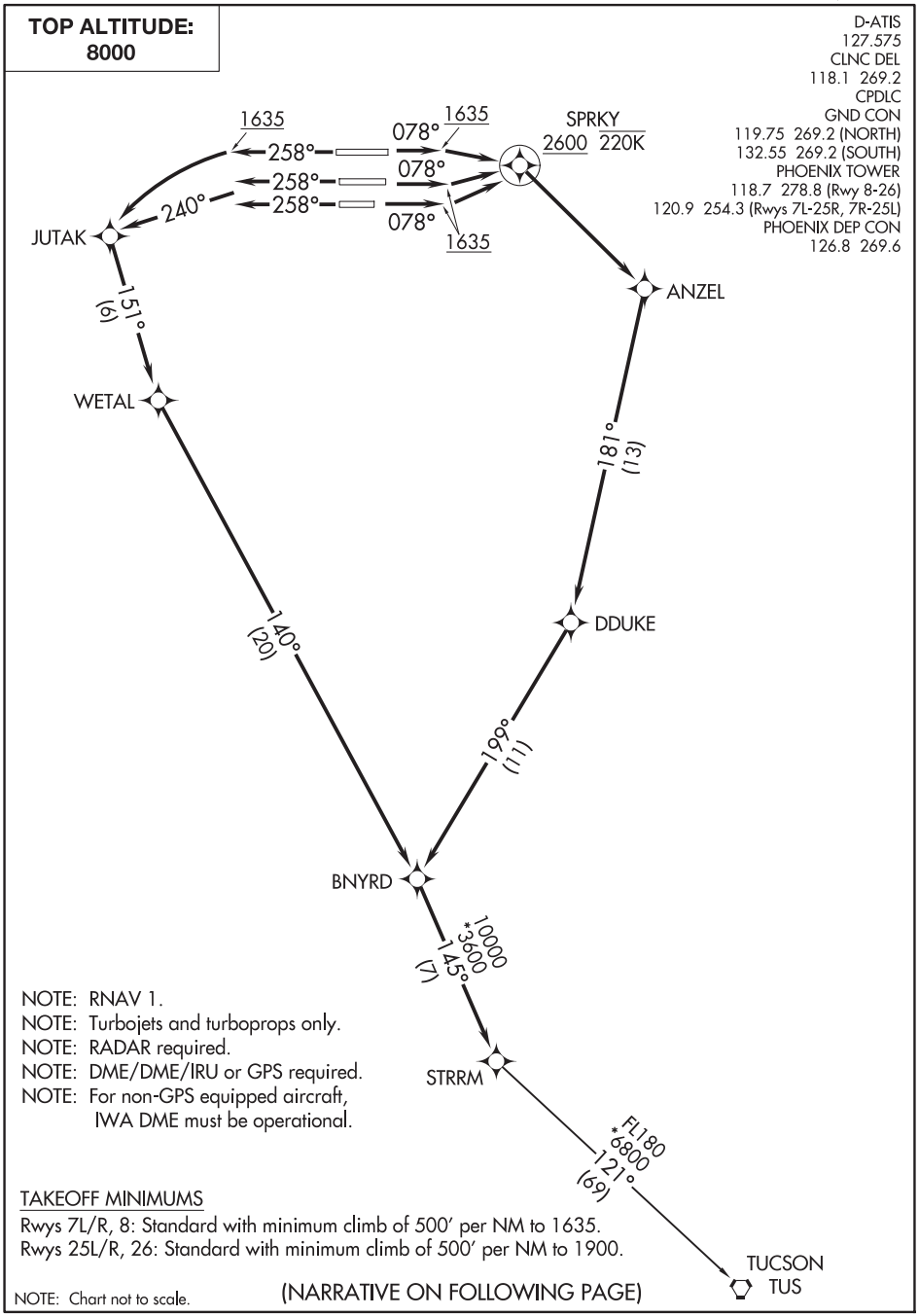
SW-4, 07 AUG 2025 to 02 OCT 2025

(STRRM1.STRRM) 18144

STRRM ONE DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA



STRRM ONE DEPARTURE (RNAV)

(STRRM1.STRRM) 24MAY18

PHOENIX, ARIZONA
PHOENIX SKY HARBOR INTL (PHX)

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to cross SPRKY at or above 2600 and at or below 220K, then right turn direct ANZEL, then on track 181° to DDUKE, then on track 199° to BNYRD, thence . . . .

TAKEOFF RUNWAYS 25L/R: Climb heading 258° to intercept course 240° to JUTAK, then on track 151° to WETAL, then on track 140° to BNYRD, thence . . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 1635, then left turn direct JUTAK, then on track 151° to WETAL, then on track 140° to BNYRD, thence . . . .

. . . . on track 145° to STRRM, then on (transition). Maintain 8000, expect higher altitude 3 minutes after departure.

TUCSON TRANSITION (STRRM1.TUS)

SW-4, 07 AUG 2025 to 02 OCT 2025

(ZEPER2.ZEPER) 20170

ZEPER TWO DEPARTURE (RNAV)

AL-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

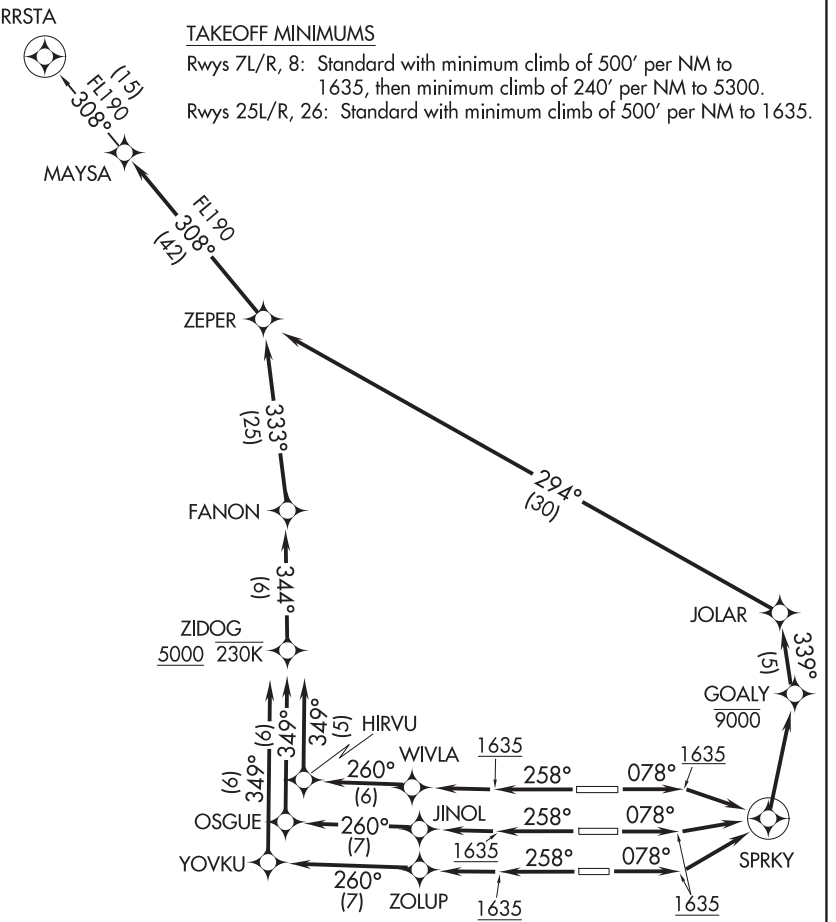
D-ATIS
127.575
CLNC DEL
118.1 269.2
CPDLC
GND CON
119.75 269.2 (NORTH)
132.55 269.2 (SOUTH)
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwys 7L-25R, 7R-25L)
PHOENIX DEP CON
119.2 281.45

TOP ALTITUDE: 8000

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.

TAKEOFF MINIMUMS

Rwys 7L/R, 8: Standard with minimum climb of 500′ per NM to 1635, then minimum climb of 240′ per NM to 5300.
Rwys 25L/R, 26: Standard with minimum climb of 500′ per NM to 1635.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 7L/R, 8: Climb on heading 078° to 1635, then direct SPRKY, then turn left direct to cross GOALY at or below 9000, then on track 339° to JOLAR, then on track 294° to ZEPER. Thence . . . .

TAKEOFF RUNWAY 25L: Climb on heading 258° to 1635, then direct ZOLUP, then on track 260° to YOVKU, then on track 349° to cross ZIDOG at or above 5000 and at or below 230K, then on track 344° to FANON, then on track 333° to ZEPER, thence . . . .

TAKEOFF RUNWAY 25R: Climb on heading 258° to 1635, then direct JINOL, then on track 260° to OSGUE, then on track 349° to cross ZIDOG at or above 5000 and at or below 230K, then on track 344° to FANON, then on track 333° to ZEPER, thence . . . .

TAKEOFF RUNWAY 26: Climb on heading 258° to 1635, then direct WIVLA, then on track 260° to HIRVU, then on track 349° to cross ZIDOG at or above 5000 and at or below 230K, then on track 344° to FANON, then on track 333° to ZEPER, thence . . . .

. . . . on RRSTA transition. Maintain 8000, expect higher altitude 3 minutes after departure.

RRSTA TRANSITION (ZEPER2.RRSTA)

SW-4, 07 AUG 2025 to 02 OCT 2025

PRESCOTT, ARIZONA | AL-546 (FAA) | 24305

LOC/DME I-PRC	APP CRS	Rwy Idg	7619
108.5	208°	TDZE	4977
Chan 22		Apt Elev	5045

ILS or LOC/DME RWY 21L

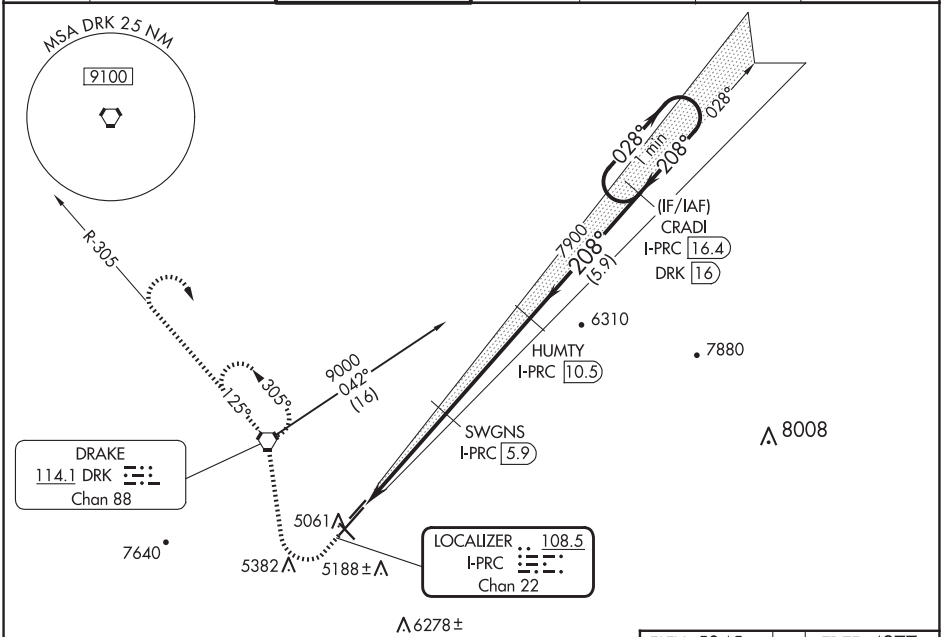
PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

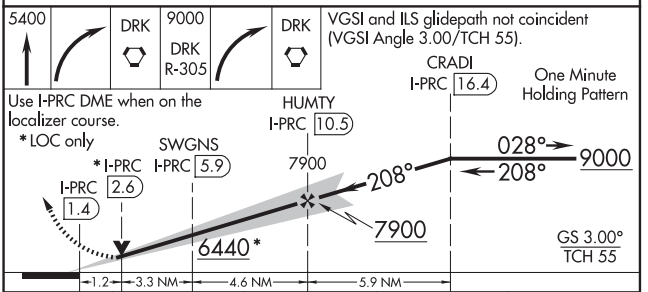
Circling Rwy 3L, 12, 30 NA at night.

MALSR

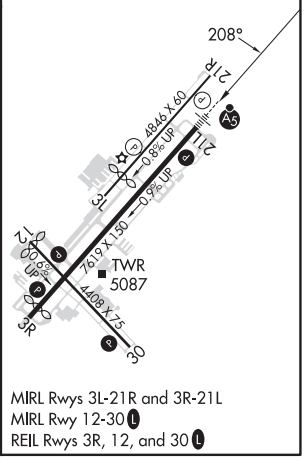
MISSED APPROACH: Climb to 5400 then climbing right turn direct DRK VORTAC and DRK VORTAC R-305 to 9000, then right turn direct DRK VORTAC and hold.

ATIS	PHOENIX APP CON	PRESCOTT TOWER★	GND CON	CLNC DEL		UNICOM
127.2	133.575 281.55	125.3 (CTAF) L 257.9	121.7	119.25	128.75 L	122.95





CATEGORY	A	B	C	D
S-ILS 21L	5177-½ 200 (200-½)			
S-LOC 21L	5380-½ 403 (400-½)		5380-¾ 403 (400-¾)	
C CIRCLING	5540-1 495 (500-1)	5760-1 715 (800-1)	6080-3 1035 (1100-3)	6680-3 1635 (1700-3)



MIRL Rwys 3L-21R and 3R-21L
MIRL Rwy 12-30 L
REIL Rwys 3R, 12, and 30 L

PRESCOTT, ARIZONA
Amdt 4C 15AUG19

34°39′N-112°25′W

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

ILS or LOC/DME RWY 21L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 3R

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

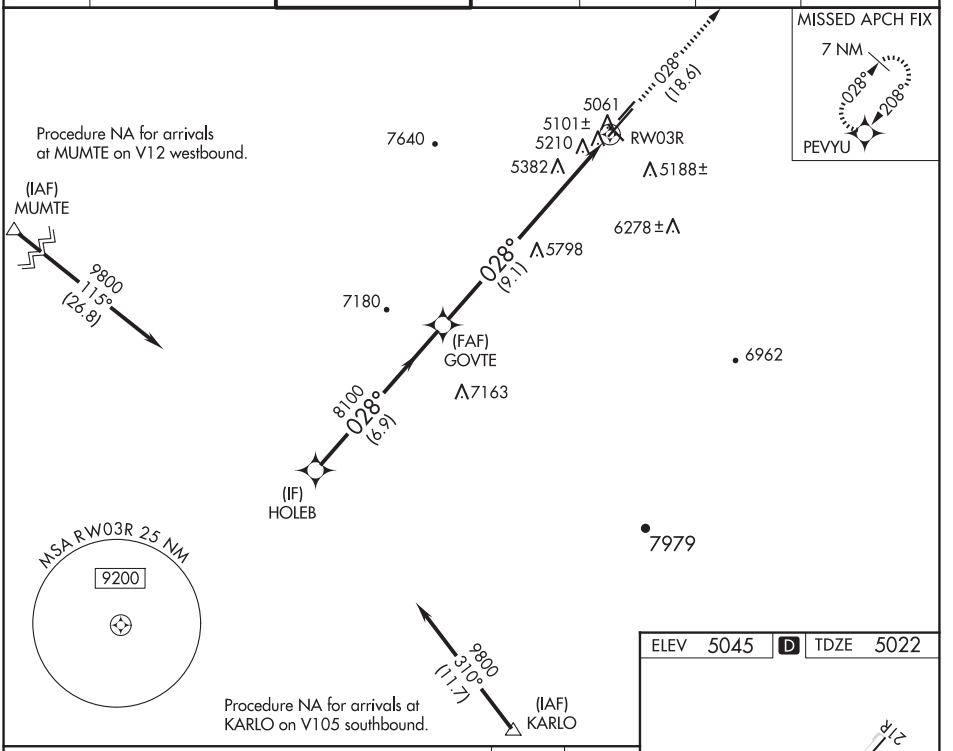
APP CRS	Rwy Idg	7239
028°	TDZE	5022
	Apt Elev	5045

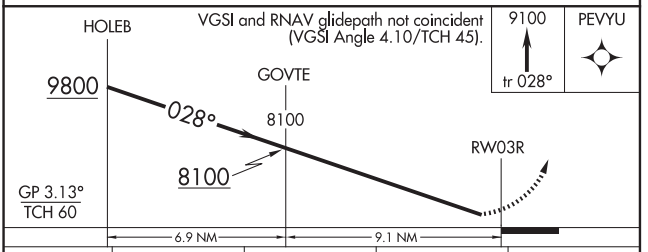
RNP AR APCH.

T For uncompensated Baro-VNAV systems, procedure NA below -11°C or above 54°C.

MISSED APPROACH: Climb to 9100 on track 028° direct PEVYU and hold.

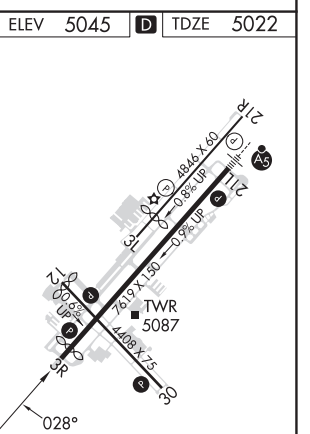
ATIS	PHOENIX APP CON	PRESCOTT TOWER★	GND CON	CLNC DEL		UNICOM
127.2	133.575 281.55	125.3 (CTAF) L 257.9	121.7	119.25	128.75 L	122.95





CATEGORY	A	B	C	D
RNP 0.15 DA	5376-1⅛ 354 (400-1⅛)			NA
RNP 0.30 DA	5540-1⅝ 518 (500-1⅝)			NA

AUTHORIZATION REQUIRED



MIRL Rwys 3L-21R and 3R-21L
MIRL Rwy 12-30 L
REIL Rwys 3R, 12, and 30 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PRESCOTT, ARIZONA | AL-546 (FAA) | 24305

RNAV (GPS) RWY 12

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

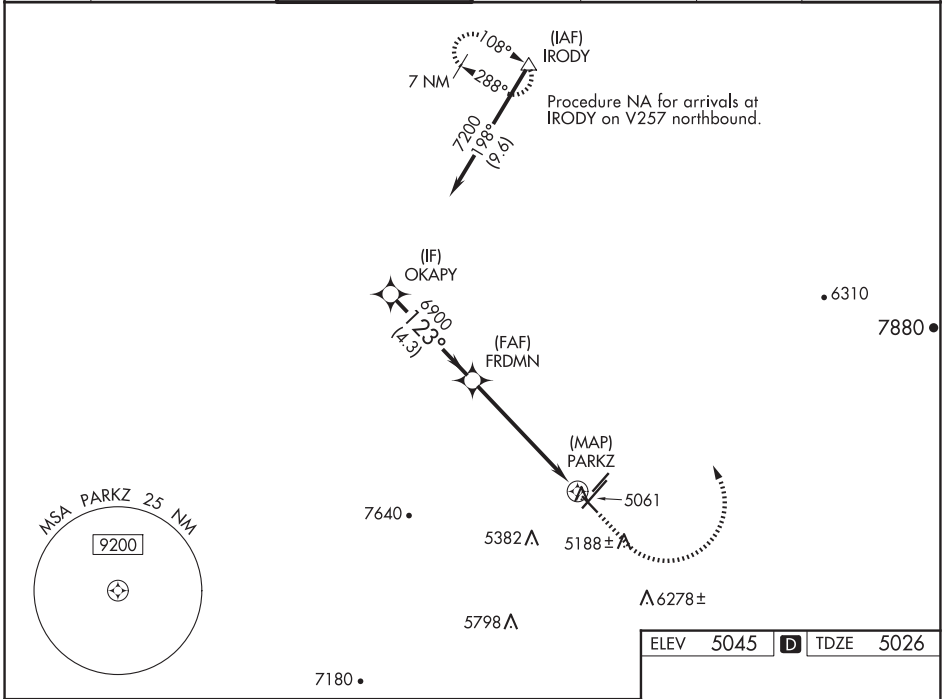
WAAS	APP CRS	Rwy Idg	4258
CH 49235	123°	TDZE	5026
W12A		Apt Elev	5045

RNP APCH.

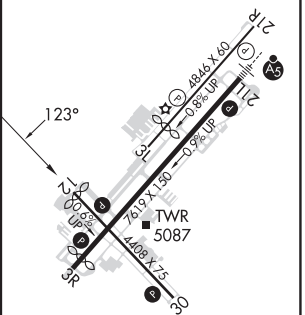
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 49°C. Rwy 12 helicopter visibility reduction below 1 SM NA. Straight-in Rwy 12 NA at night, Circling Rwy 12, 3L, 30 NA at night.

MISSED APPROACH: Climb to 5500 then climbing left turn to 9000 direct IRODY and hold, continue climb-in-hold to 9000.

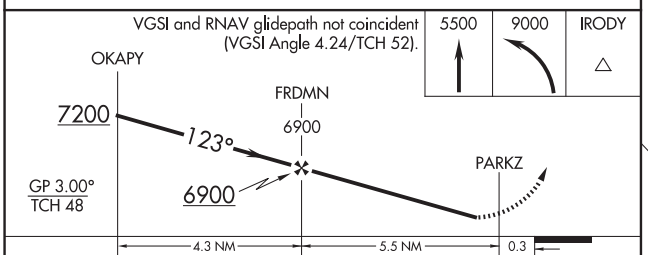
ATIS	PHOENIX APP CON	PRESCOTT TOWER★	GND CON	CLNC DEL		UNICOM
127.2	133.575 281.55	125.3 (CTAF) L 257.9	121.7	119.25	128.75 L	122.95



ELEV 5045 D TDZE 5026



MIRL Rwys 3L-21R and 3R-21L
MIRL Rwy 12-30 L
REIL Rwys 3R, 12, and 30 L



CATEGORY	A	B	C	D
LPV DA	5276-1 250 (300-1)			
LNAV/VNAV DA	5432-1⅜ 406 (400-1⅜)			
LNAV MDA	5520-1 494 (500-1)		5520-1⅜ 494 (500-1⅜)	
C CIRCLING	5520-1 475 (500-1)	5760-1 715 (800-1)	6080-3 1035 (1100-3)	6680-3 1635 (1700-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	7619
CH 40002	208°	TDZE	4977
W21A		Apt Elev	5045

RNAV (GPS) RWY 21L

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

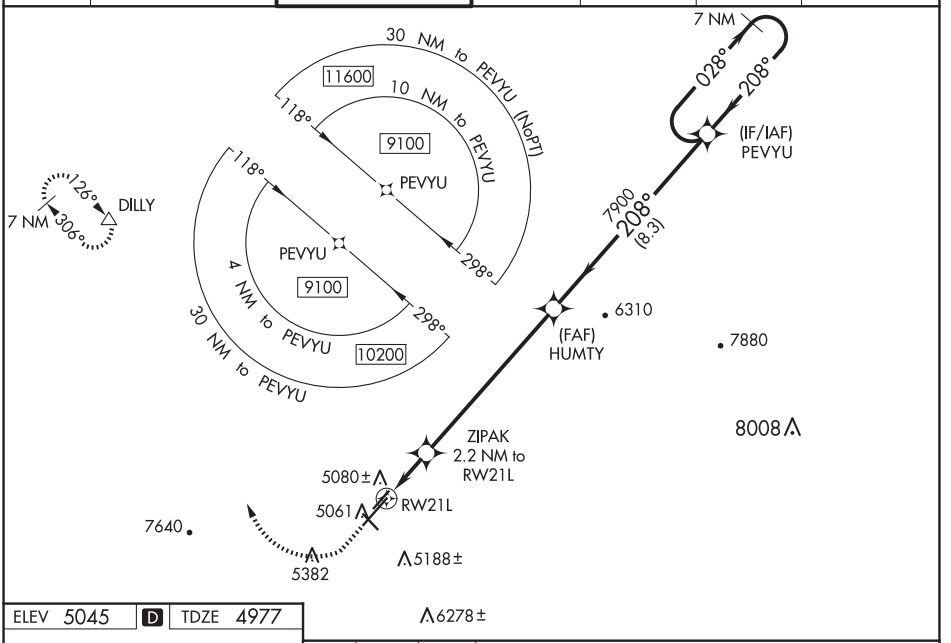
RNP APCH - GPS.

T A For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 47°C. For inoperative ALS, increase LPV all Cats visibility to 1 SM, LNAV/VNAV all Cats visibility to 1⅛ SM, and LNAV Cat C/D visibility to 1⅜ SM. Circling Rwy 3L, 12, 30 NA at night.
Missed approach requires a minimum climb of 345 feet per NM to 7300.

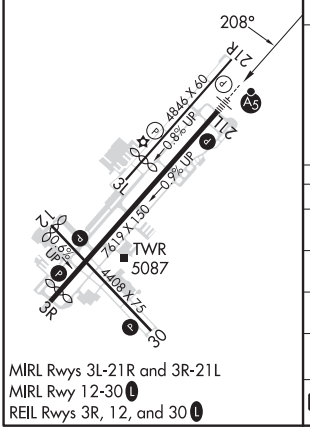
MALSR (A5)

MISSED APPROACH: Climb to 5500 then climbing right turn to 9100 direct DILLY and hold, continue climb-in-hold to 9100.

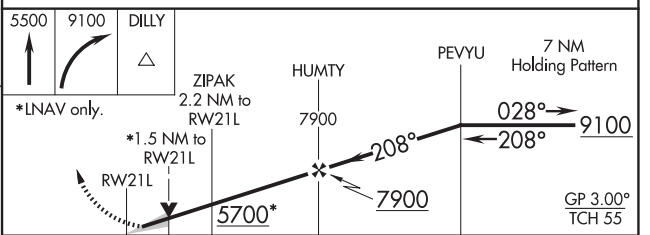
ATIS	PHOENIX APP CON	PRESCOTT TOWER★	GND CON	CLNC DEL		UNICOM
127.2	133.575 281.55	125.3 (CTAF) L 257.9	121.7	119.25	128.75 L	122.95



ELEV 5045 D TDZE 4977



MIRL Rwys 3L-21R and 3R-21L
MIRL Rwy 12-30 L
REIL Rwys 3R, 12, and 30 L



CATEGORY	A	B	C	D
LPV DA	#5177-½ 200 (200-½)			
LPV DA	5277-½ 300 (300-½)			
LNAV/VNAV DA	5391-⅞ 414 (400-⅞)			
LNAV MDA	5480-½ 503 (500-½)		5480-1 503 (500-1)	
C CIRCLING	5520-1 475 (500-1)	5760-1 715 (800-1)	6080-3 1035 (1100-3)	6680-3 1635 (1700-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PRESCOTT, ARIZONA | AL-546 (FAA) | 24305

WAAS	APP CRS	Rwy Idg	7239
CH 45835	028°	TDZE	5022
W03B		Apt Elev	5045

RNAV (GPS) Y RWY 3R

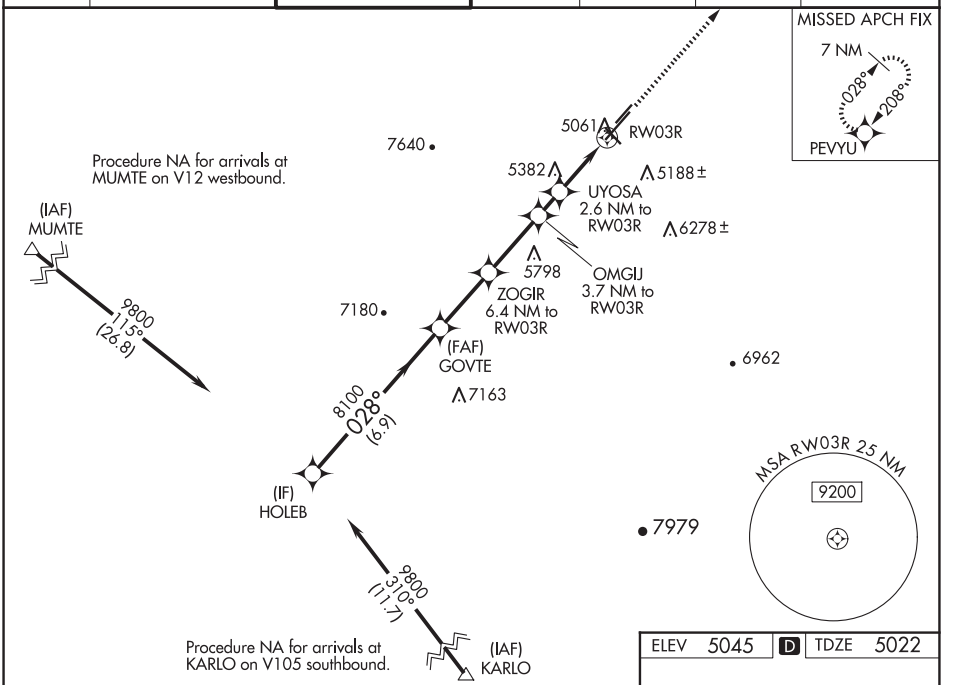
PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

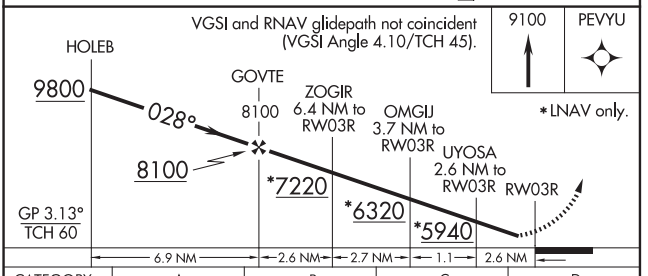
RNP APCH.

Baro-VNAV NA.
Rwy 3R helicopter visibility reduction below ¾ SM NA.
Circling Rwy 3L, 12, 30 NA at night.

MISSED APPROACH: Climb to 9100 direct PEVYU and hold.

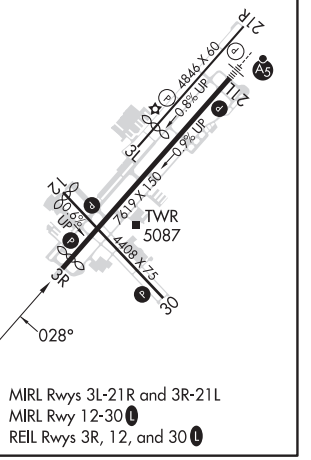
ATIS	PHOENIX APP CON	PRESCOTT TOWER★	GND CON	CLNC DEL		UNICOM
127.2	133.575 281.55	125.3 (CTAF) L 257.9	121.7	119.25	128.75 L	122.95





CATEGORY	A	B	C	D
LPV DA	5311-1 289 (300-1)			NA
LNAV/VNAV DA	5549-1⅝ 527 (600-1⅝)			NA
LNAV MDA	5640-1 618 (600-1)		5640-1¾ 618 (600-1¾)	NA
C CIRCLING	5640-1 595 (600-1)	5760-1 715 (800-1)	6080-3 1035 (1100-3)	6680-3 1635 (1700-3)

ELEV 5045 D TDZE 5022



MIRL Rwys 3L-21R and 3R-21L
MIRL Rwy 12-30 L
REIL Rwys 3R, 12, and 30 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC DRK	APP CRS	Rwy Idg	4258
114.1	125°	TDZE	5027
Chan 88		Apt Elev	5045

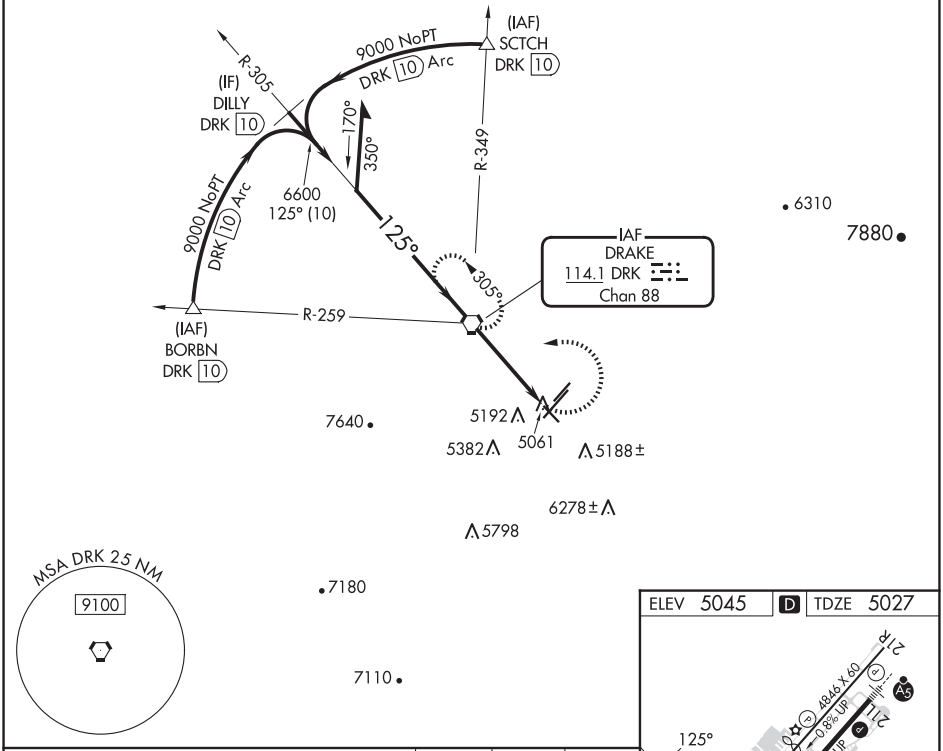
VOR RWY 12

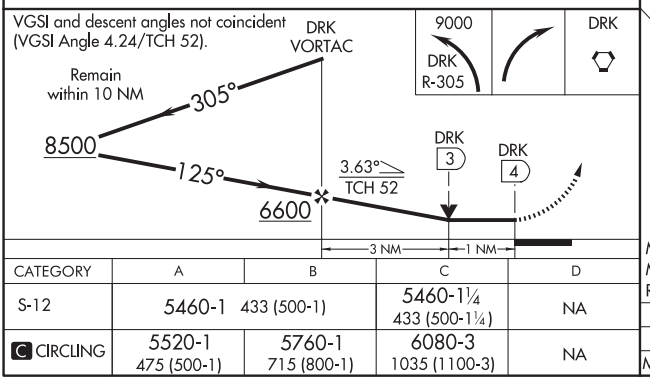
PRESCOTT RGNL/ERNEST A LOVE FIELD (PRC)

T A — Rwy 12 helicopter visibility reduction below ¾ SM NA. Circling Rwy 3L, 30 NA at night.

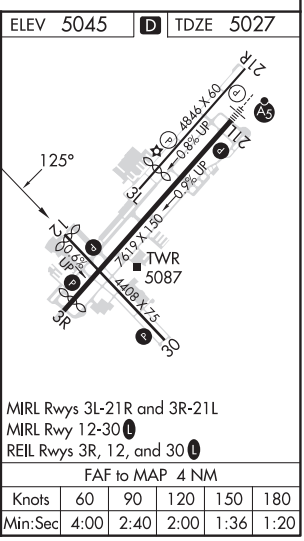
MISSED APPROACH: Climbing left turn to 9000 via DRK VORTAC R-305 then right turn direct DRK VORTAC and hold, continue climb-in-hold to 9000.

ATIS	PHOENIX APP CON	PRESCOTT TOWER★	GND CON	CLNC DEL		UNICOM
127.2	133.575 281.55	125.3 (CTAF) L 257.9	121.7	119.25	128.75 L	122.95





CATEGORY	A	B	C	D
S-12	5460-1 433 (500-1)		5460-1¼ 433 (500-1¼)	NA
C CIRCLING	5520-1 475 (500-1)	5760-1 715 (800-1)	6080-3 1035 (1100-3)	NA



MIRL Rwys 3L-21R and 3R-21L
MIRL Rwy 12-30 L
REIL Rwys 3R, 12, and 30 L

FAF to MAP 4 NM

Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

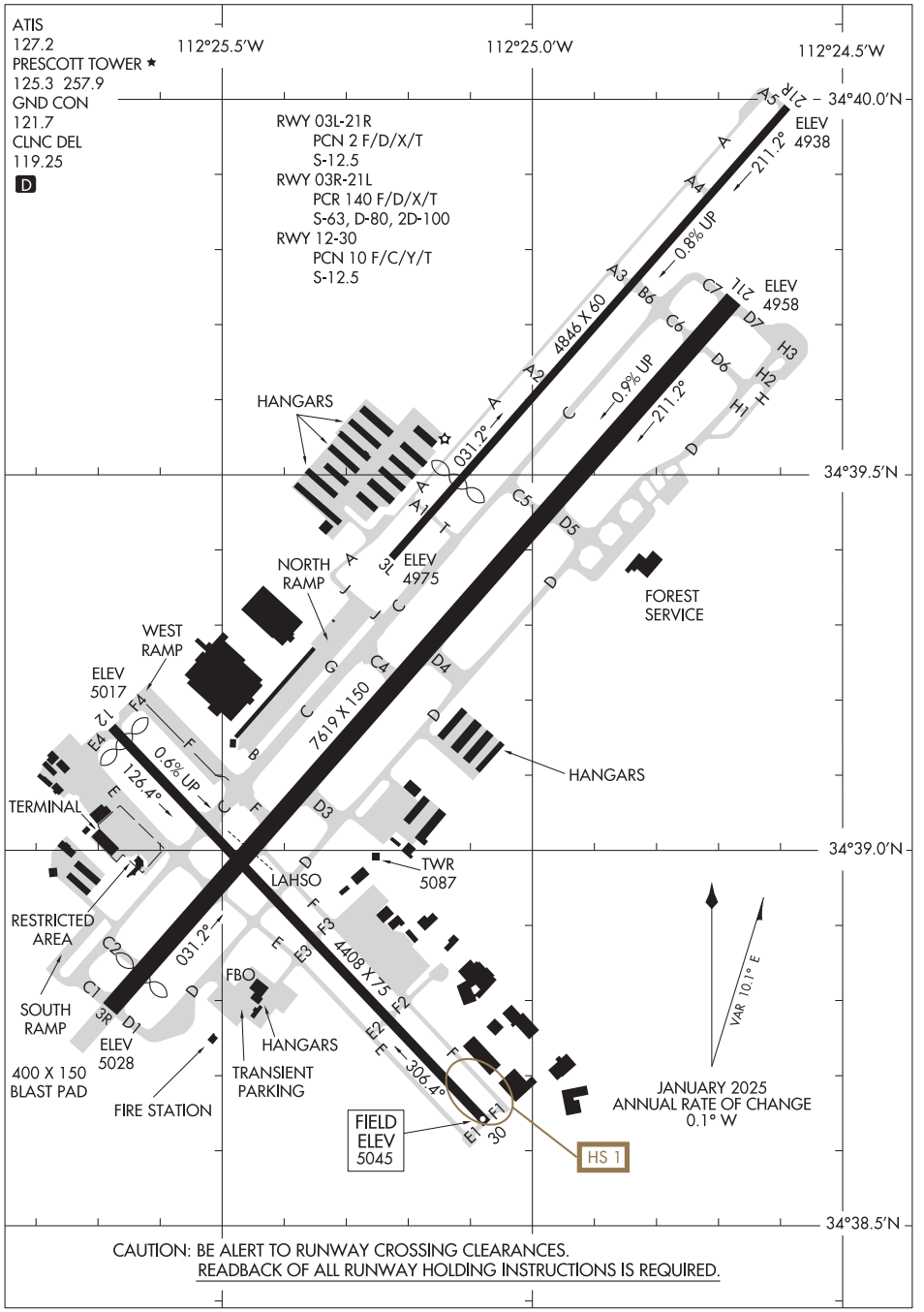
25107

AIRPORT DIAGRAM

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

AL-546 (FAA)

PRESCOTT, ARIZONA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

PRESCOTT, ARIZONA

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

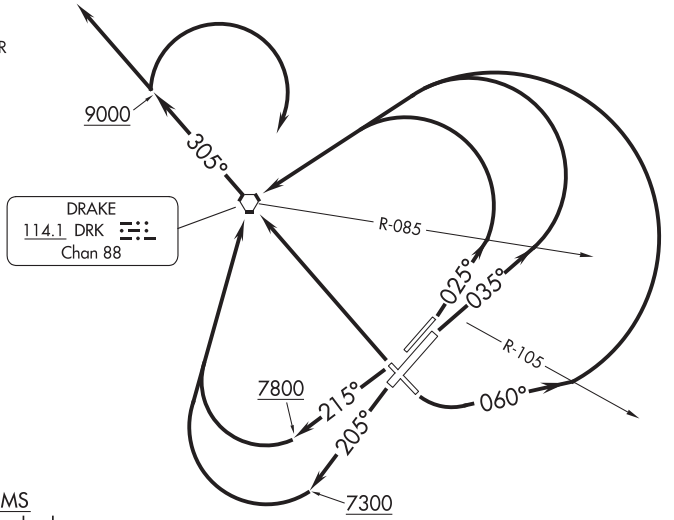
25107

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

PRESCOTT THREE DEPARTURE (OBSTACLE)

PHOENIX DEP CON
133.575 281.55
ALBUQUERQUE CENTER
128.45 298.9
ATIS
127.2
CLNC DEL
119.25
GND CON
121.7
PRESCOTT TOWER★
125.3 (CTAF) 257.9



TAKEOFF MINIMUMS

Rwys 3L/R, 30: Standard.

Rwy 12: Standard with a minimum climb of 260′ per NM to 5700 or 600-2¾ with a minimum climb of 245′ per NM to 5600 or 1800-3 for VCOA.

Rwy 21L: Standard with a minimum climb of 430′ per NM to 8200 or 1800-3 for VCOA.

Rwy 21R: Standard with a minimum climb of 500′ per NM to 8800 or 1800-3 for VCOA.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3L: Climb heading 025° until crossing DRK VORTAC R-085, then climbing left turn direct DRK VORTAC, thence. . . .

TAKEOFF RUNWAY 3R: Climb heading 035° until crossing DRK VORTAC R-085, then climbing left turn direct DRK VORTAC, thence. . . .

TAKEOFF RUNWAY 12: Climbing left turn heading 060° until crossing DRK VORTAC R-105, then climbing left turn direct DRK VORTAC, thence. . . .

TAKEOFF RUNWAY 21L: Climb heading 205° until 7300, then climbing right turn direct DRK VORTAC, thence. . . .

TAKEOFF RUNWAY 21R: Climb heading 215° until 7800, then climbing right turn direct DRK VORTAC, thence. . . .

TAKEOFF RUNWAY 30: Climb direct DRK VORTAC, thence. . . .

. . . .climb on DRK VORTAC R-305 to 9000. Aircraft departing on DRK VORTAC R-305 continue climbing on course. All other aircraft climbing right turn direct DRK VORTAC then on assigned course.

VCOA RUNWAYS 12, 21L/R: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Prescott Airport at or above 6700 direct DRK VORTAC, then climb on DRK VORTAC R-305 to 9000. Aircraft departing on DRK VORTAC R-305 continue climbing on course. All other aircraft climbing right turn direct DRK VORTAC then on assigned course.

SW-4, 07 AUG 2025 to 02 OCT 2025

(PRC3.DRK) 24305 PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)

PRESCOTT THREE DEPARTURE (OBSTACLE) AL-546 (FAA) PRESCOTT, ARIZONA

TAKEOFF OBSTACLE NOTES

Rwy 3L: Lighting 8′ from DER, 19′ right of centerline, 1′ AGL/4939′ MSL.
Sign 15′ from DER, 126′ left of centerline, 3′ AGL/4939′ MSL.
Tree 20′ from DER, 408′ left of centerline, 4949′ MSL.
Tree 184′ from DER, 404′ left of centerline, 4951′ MSL.

Rwy 12: Tree 4′ from DER, 323′ right of centerline, 5066′ MSL.
Buildings, lighting, sign beginning 9′ from DER, 122′ left of centerline, up to 31′ AGL/5057′ MSL.
Tree, utility pole, sign, terrain beginning 19′ from DER, 65′ right of centerline, up to 28′ AGL/5086′ MSL.
Terrain, trees, building, lighting beginning 24′ from DER, 111′ left of centerline, up to 46′ AGL/5062′ MSL.
Terrain, road beginning 196′ from DER, 317′ left of centerline, up to 5069′ MSL.
Trees beginning 302′ from DER, 361′ left of centerline, up to 45′ AGL/5083′ MSL.
Tower, road, trees, pole beginning 426′ from DER, 267′ left of centerline, up to 46′ AGL/5092′ MSL.
Terrain, trees beginning 2.1 NM from DER, 2368′ right of centerline, up to 56′ AGL/5656′ MSL.

Rwy 21R: Sign, terrain beginning 11′ from DER, 82′ left of centerline, up to 2′ AGL/4977′ MSL.
Sign, trees, road, building, electrical system, pole, tank beginning 11′ from DER, 19′ right of centerline, up to 50′ AGL/5024′ MSL.
Trees beginning 90′ from DER, 70′ left of centerline, up to 50′ AGL/5041′ MSL.
Trees, poles, building beginning 752′ from DER, 22′ right of centerline, up to 50′ AGL/5031′ MSL.
Tree, pole beginning 940′ from DER, 3′ left of centerline, up to 50′ AGL/5044′ MSL.
Trees, poles, building beginning 980′ from DER, 22′ right of centerline, up to 50′ AGL/5044′ MSL.
Fence, trees, poles, road, building, stack, tank beginning 1207′ from DER, 35′ right of centerline, up to 57′ AGL/5054′ MSL.
Trees, poles beginning 1561′ from DER, left and right of centerline, up to 50′ AGL/5064′ MSL.
Trees beginning 1954′ from DER, 129′ left of centerline, 50′ AGL/5064′ MSL.
Trees beginning 2325′ from DER, left and right of centerline, up to 50′ AGL/5080′ MSL.
Trees beginning 2615′ from DER, 140′ left of centerline, up to 50′ AGL/5077′ MSL.
Building, trees beginning 2718′ from DER, 35′ right of centerline, up to 50′ AGL/5093′ MSL.
Trees, pole beginning 3134′ from DER, 128′ left of centerline, up to 50′ AGL/5090′ MSL.
Trees beginning 3442′ from DER, 24′ right of centerline, up to 50′ AGL/5103′ MSL.
Trees beginning 3527′ from DER, 175′ left of centerline, up to 50′ AGL/5103′ MSL.
Antenna, building, trees beginning 3772′ from DER, left and right of centerline, up to 90′ AGL/5116′ MSL.
Trees beginning 4194′ from DER, 145′ right of centerline, up to 5113′ MSL.
Trees beginning 4759′ from DER, left and right of centerline, up to 75′ AGL/5117′ MSL.
Trees beginning 5180′ from DER, 15′ right of centerline, 70′ AGL/5119′ MSL.
Trees beginning 5408′ from DER, 743′ right of centerline, up to 50′ AGL/5126′ MSL.

Rwy 21L: Lighting, fence beginning 30′ from DER, 336′ left of centerline, up to 7′ AGL/5042′ MSL.
Road, fence, tree beginning 111′ from DER, 469′ left of centerline, up to 5051′ MSL.
Road, fence beginning 300′ from DER, 455′ left of centerline, up to 5056′ MSL.
Wind indicator, pole, tree, roads beginning 402′ from DER, 269′ right of centerline, up to 5076′ MSL.
Tree, fence, roads, lighting, pole, sign, navaid, building beginning 614′ from DER, 41′ left of centerline, up to 5113′ MSL.
Trees, road beginning 782′ from DER, 528′ right of centerline, up to 47′ AGL/5089′ MSL.
Trees, road, pole, fence, electrical system, building, lighting, antenna beginning 971′ from DER, 2′ right of centerline, up to 70′ AGL/5117′ MSL.
Trees beginning 1779′ from DER, 108′ left of centerline, up to 71′ AGL/5116′ MSL.

Rwy 30: Buildings, sign, poles beginning 28′ from DER, 127′ left of centerline, up to 25′ AGL/5041′ MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(WNSKI2.WNSKI) 24305

WNSKI TWO DEPARTURE

PRESCOTT RGNL/ERNEST A LOVE FLD (PRC)
PRESCOTT, ARIZONA

AL-546 (FAA)

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 3L/R: Climb on heading 028° to 5800, then climbing right turn to heading 210° to intercept DRK VORTAC R-117 to WNSKI, thence. . . .

TAKEOFF RUNWAY 12: Climbing left turn to intercept DRK VORTAC R-117 to WNSKI, thence. . . .

TAKEOFF RUNWAYS 21L/R: Climb on heading 208° to 5800, then climbing left turn heading 045° to intercept DRK VORTAC R-117 to WNSKI, thence. . . .

TAKEOFF RUNWAY 30: Climb on heading 304° to 5700, then climbing right turn to heading 200° to intercept DRK VORTAC R-117 to WNSKI, thence. . . .

. . . .on transition. FERER, JUWSO, MUMTE, transitions maintain 10000. KACEE, KARLO, transitions maintain 12000. Expect filed altitude 5 minutes after departure.

FERER TRANSITION (WNSKI2.FERER): From over WNSKI on DRK R-117 to FERER.

JUWSO TRANSITION (WNSKI2.JUWSO): From over WNSKI on DRK 15 DME Arc CCW to DRRTY, then on DRK R-061 to JUWSO.

KACEE TRANSITION (WNSKI2.KACEE): From over WNSKI on DRK 15 DME Arc CCW to PHYLE, then on DRK R-349 to KACEE.

KARLO TRANSITION (WNSKI2.KARLO): From over WNSKI on DRK 15 DME Arc CW to ZADER, then on DRK R-168 to KARLO.

MUMTE TRANSITION (WNSKI2.MUMTE): From over WNSKI on DRK 15 DME Arc CW to TURNE, then on DRK R-259 to MUMTE.

ILS or LOC RWY 1

CARBON COUNTY RGNL/BUCK DAVIS FLD (PUC)

LOC/DME I-PUC	APP CRS	Rwy Ldg	8316
109.35	007°	TDZE	5862
Chan 30 (Y)		Apt Elev	5958

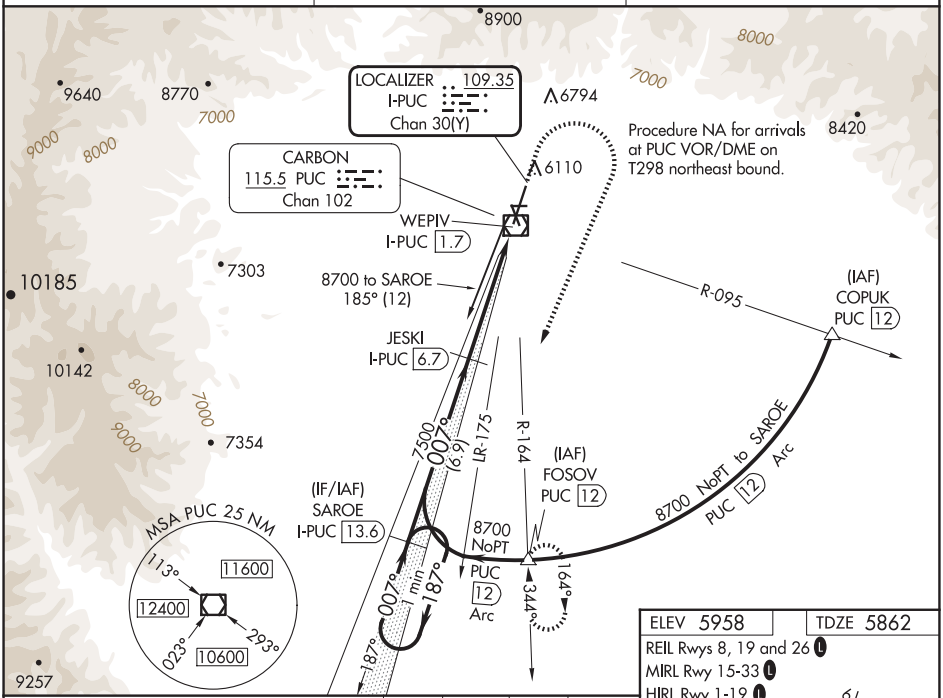
DME required for procedure entry. DME required.

T A NA Circling NA at night. For inoperative ALS, increase S-ILS 1 all Cats visibility to ⅞ SM. Inoperative table does not apply to S-ILS 1# all Cats.

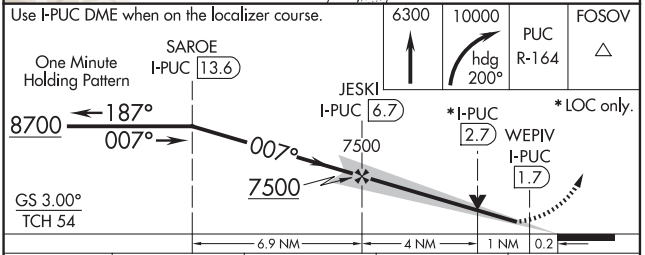
MALSF

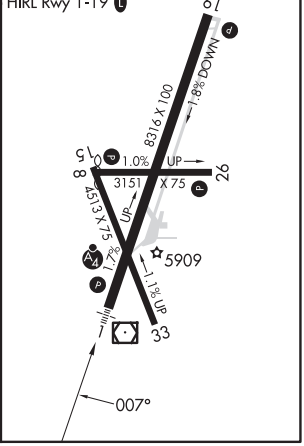
MISSED APPROACH: Climb to 6300 then climbing right turn to 10000 on heading 200° and on PUC VOR/DME R-164 to FOSOV/PUC 12 DME and hold, continue climb-in-hold to 10000. #Missed approach requires minimum climb of 339 feet per NM to 7100.

ASOS	SALT LAKE CENTER	UNICOM
135.425	133.9 370.85	122.8 (CTAF) L



ELEV 5958	TDZE 5862
REIL Rwys 8, 19 and 26 L	
MIRL Rwy 15-33 L	
HIRL Rwy 1-19 L	





CATEGORY	A	B	C	D
S-ILS 1#	6062-¾ 200 (200-¾)			
S-ILS 1	6127-¾ 265 (200-¾)			
S-LOC 1	6240-¾ 378 (300-¾)			
C CIRCLING	6660-1 702 (800-1)	6860-1¼ 902 (1000-1¼)	7120-3 1162 (1200-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PRICE, UTAH | AL-681 (FAA) | 25163

RNAV (GPS) RWY 1

CARBON COUNTY RGNL/BUCK DAVIS FLD (PUC)

WAAS	APP CRS	Rwy Ldg	8316
CH 78037	007°	TDZE	5862
W01A		Apt Elev	5958

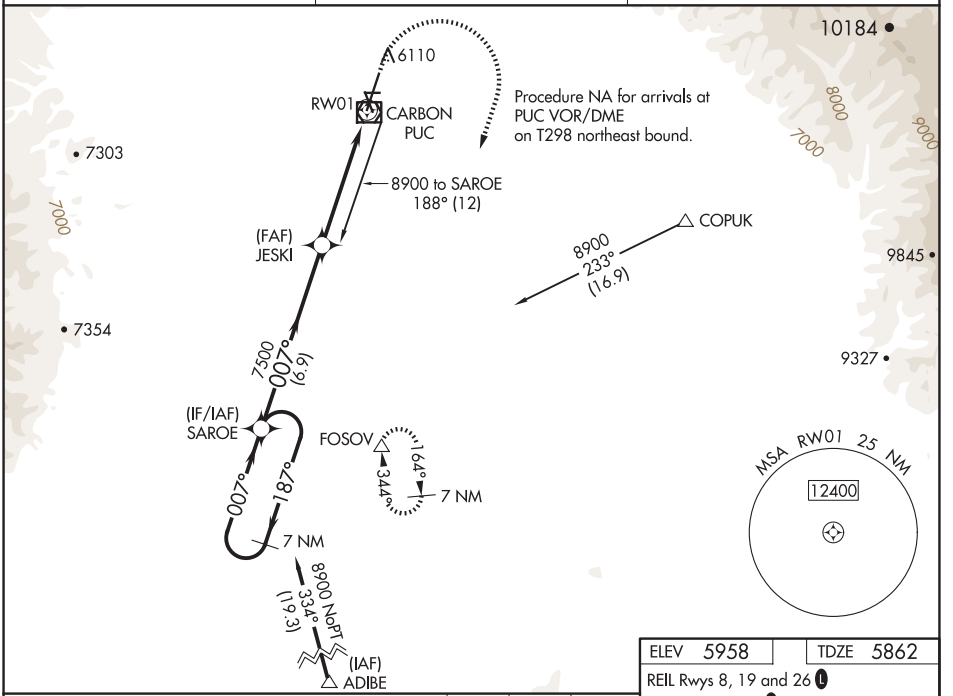
RNP APCH.

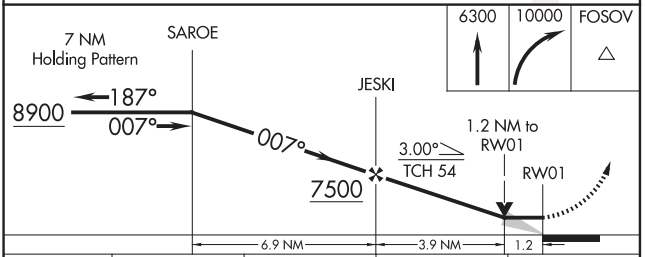
Circling NA at night. For inoperative ALS increase LP Cat C/D visibility to 1⅜ SM.

MALSF

MISSED APPROACH: Climb to 6300 then climbing right turn to 10000 direct FOSOV and hold, continue climb-in-hold to 10000. #Missed approach requires minimum climb of 296 feet per NM to 7500.

ASOS	SALT LAKE CENTER	UNICOM
135.425	133.9 370.85	122.8 (CTAF) L





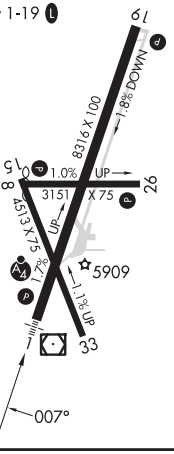
CATEGORY	A	B	C	D
LP MDA #	6240-¾ 378 (300-¾)			
LNAV MDA #	6260-¾ 398 (400-¾)		6260-⅞ 398 (400-⅞)	
LP MDA	6320-¾ 458 (400-¾)		6320-1 458 (400-1)	
LNAV MDA	6500-¾ 638 (600-¾)		6500-1½ 638 (600-1½)	
C CIRCLING	6660-1 702 (800-1)	6860-1¼ 902 (1000-1¼)	7120-3 1162 (1200-3)	NA

ELEV 5958 | TDZE 5862

REIL Rwys 8, 19 and 26 L

MIRL Rwy 15-33 L

HIRL Rwy 1-19 L



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-PVU	APP CRS	Rwy Idg	8599
110.3	134°	TDZE	4497
Chan 40		Apt Elev	4497

ILS or LOC RWY 13

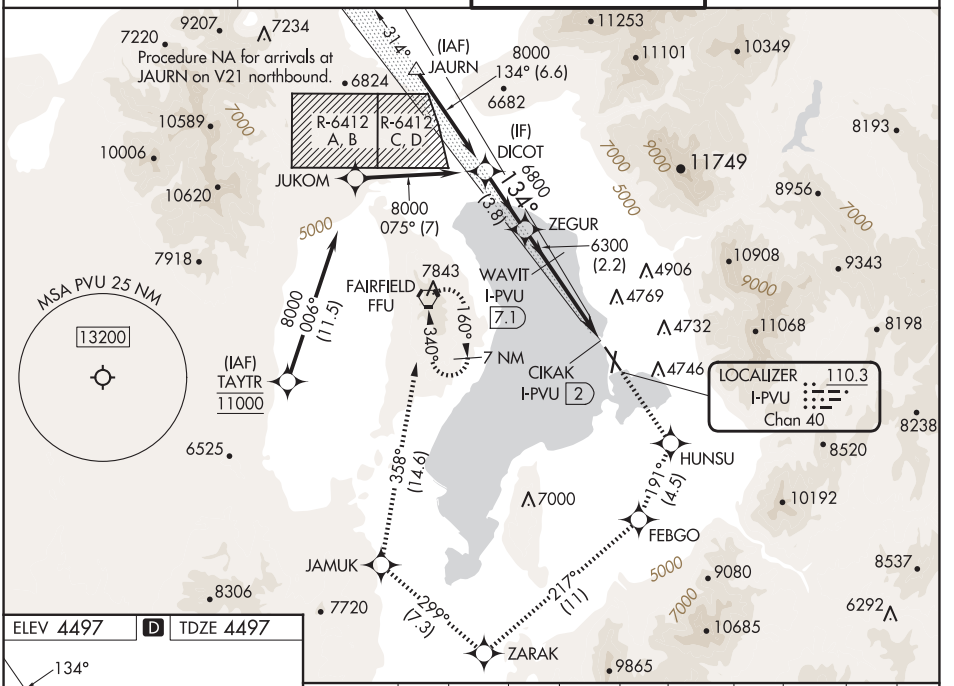
PROVO MUNI (PVU)

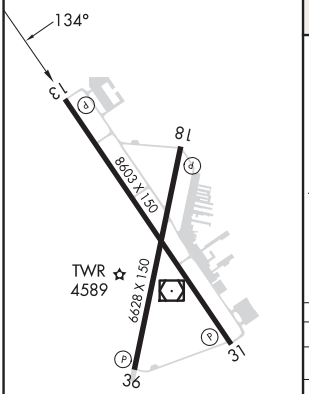
RNP APCH - GPS.

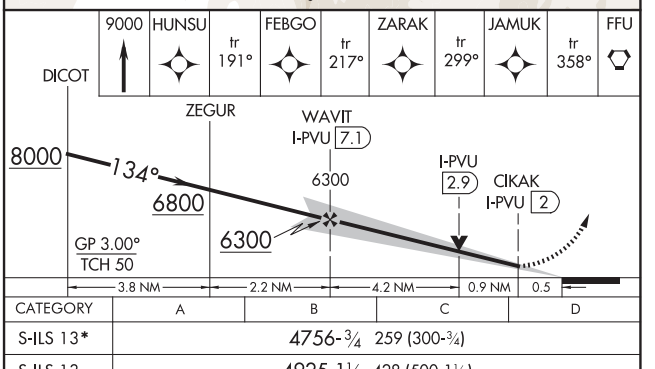
Rwy 13 helicopter visibility reduction below ¾ SM NA. Circling Rwy 18, 36 NA at night. When local altimeter setting not received, procedure NA. Circling NA east of Rwys 18 and 31.

MISSED APPROACH: Climb to 9000 direct HUNSU and on track 191° to FEBGO and on track 217° to ZARAK and on track 299° to JAMUK and on track 358° to FFU VORTAC and hold. *Missed approach requires minimum climb of 215 feet per NM to 7760.

ATIS	SALT LAKE CITY APP CON	PROVO TOWER*	GND CON
135.175	118.85 233.7	125.3 (CTAF)	119.4







CATEGORY	A	B	C	D
S-ILS 13*	4756-¾ 259 (300-¾)			
S-ILS 13	4925-1¼ 428 (500-1¼)			
S-LOC 13	4980-1 483 (500-1)		4980-1⅜ 483 (500-1⅜)	
C CIRCLING	4980-1 483 (500-1)		5160-1¾ 663 (700-1¾)	5280-2½ 783 (800-2½)

REIL Rwy 13
HIRL Rwy 13-31
MIRL Rwy 18-36

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PROVO, UTAH | AL-683 (FAA) | 25051

RNAV (GPS) RWY 13

PROVO MUNI (PVU)

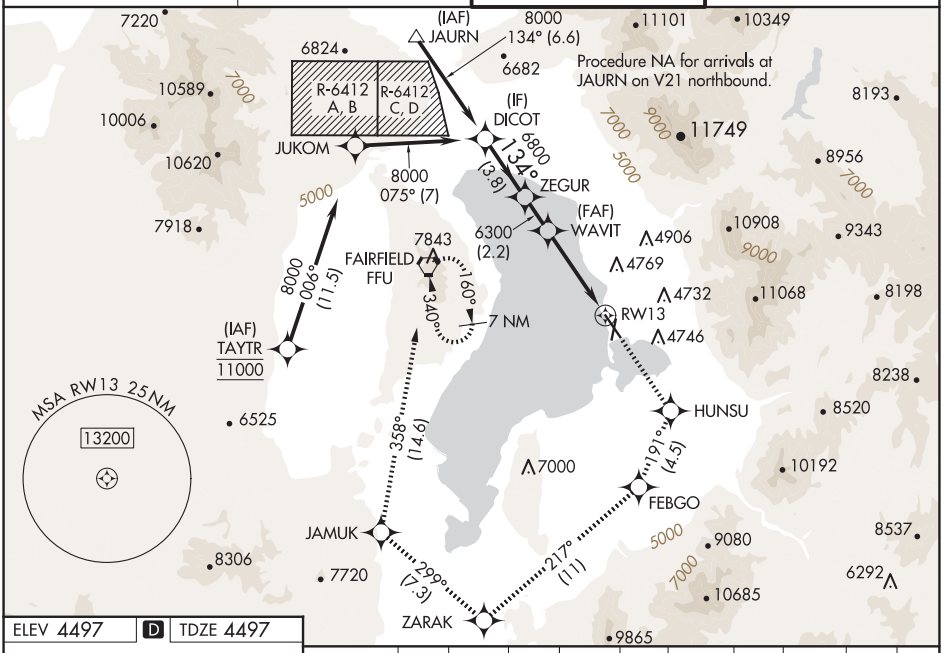
WAAS	APP CRS	Rwy Idg	8599
CH 97307	134°	TDZE	4497
W13A		Apt Elev	4497

RNP APCH - GPS.

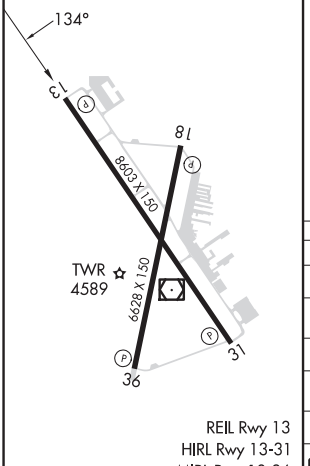
Rwy 13 helicopter visibility reduction below ¾ SM NA. Circling Rwy 18, 36 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C or above 54°C. When local altimeter setting not received, procedure NA. Circling NA east of Rwy 18 and 31.

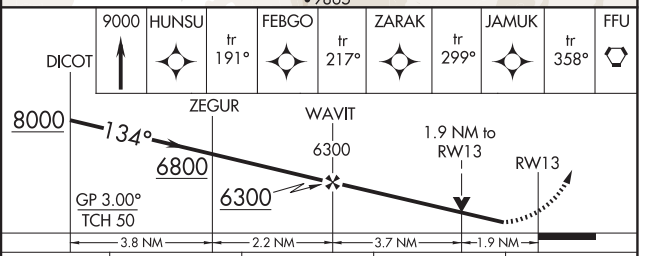
MISSED APPROACH: Climb to 9000 direct HUNSU and on track 191° to FEBGO and on track 217° to ZARAK and on track 299° to JAMUK and on track 358° to FFU VORTAC and hold. *Missed approach requires minimum climb of 215 feet per NM to 7760.

ATIS	SALT LAKE CITY APP CON	PROVO TOWER*	GND CON
135.175	118.85 233.7	125.3 (CTAF)	119.4



ELEV 4497 | D | TDZ 4497





CATEGORY	A	B	C	D
LPV DA*	4756-¾ 259 (300-¾)			
LNAV/VNAV DA*	4838-1 341 (400-1)			
LPV DA	4925-1¼ 428 (500-1¼)			
LNAV/VNAV DA	4981-1⅜ 484 (500-1⅜)			
LNAV MDA	5140-1 643 (700-1)		5140-1⅞ 643 (700-1⅞)	
C CIRCLING	5140-1 643 (700-1)		5160-1⅞ 663 (700-1⅞)	5280-2½ 783 (800-2½)

REIL Rwy 13
HIRL Rwy 13-31
MIRL Rwy 18-36

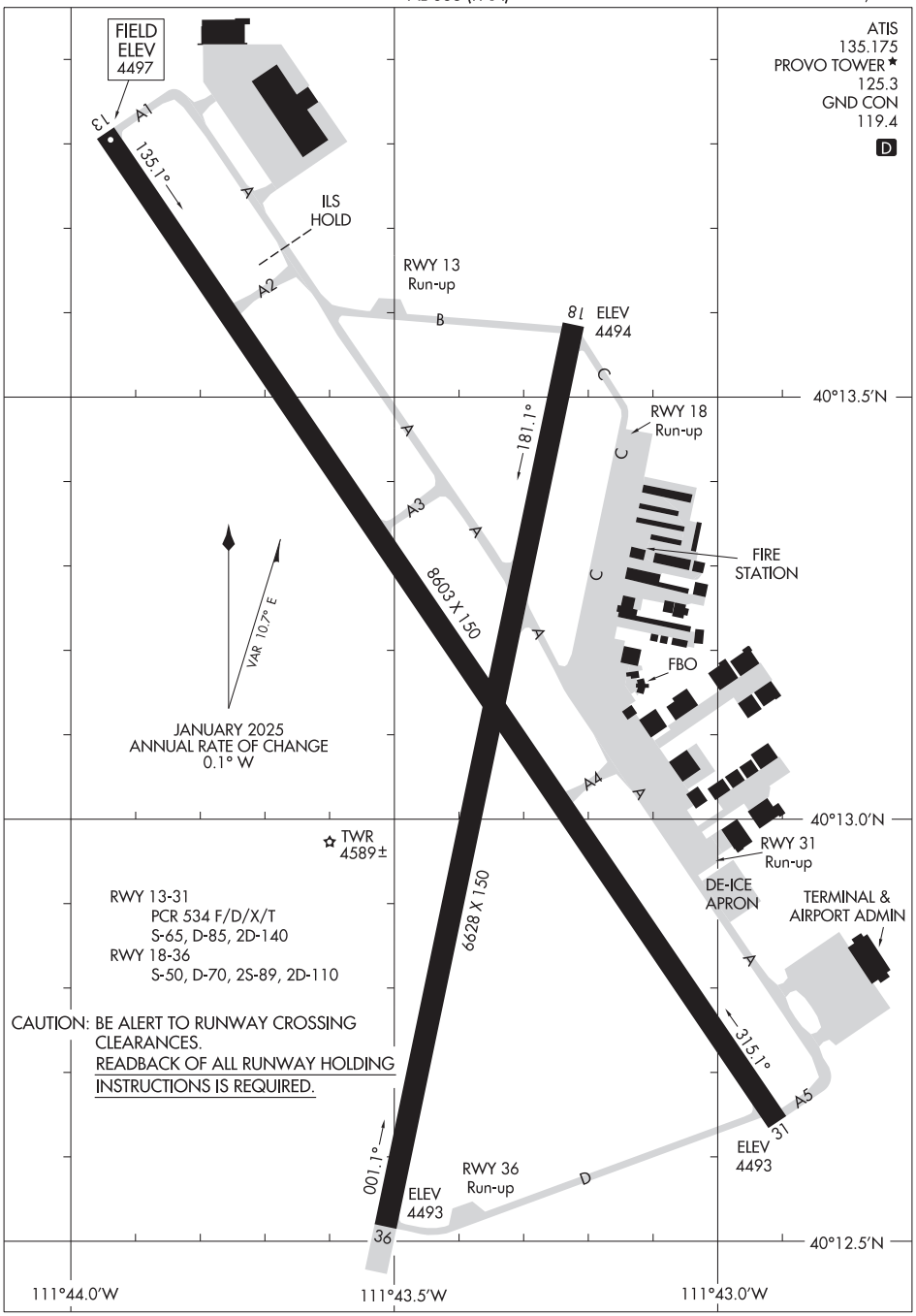
PROVO, UTAH
Amdt 4 26DEC24

40°13'N-111°43'W

PROVO MUNI (PVU)

RNAV (GPS) RWY 13

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(PROVO4.FFU) 25051

PROVO FOUR DEPARTURE (OBSTACLE)

AL-683 (FAA)

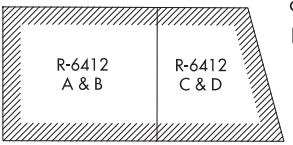
PROVO MUNI (PVU)
PROVO, UTAH

SALT LAKE CITY DEP CON
118.85 233.7
ATIS
135.175
GND CON
119.4
PROVO TOWER ★
125.3 (CTAF)

TAKEOFF MINIMUMS

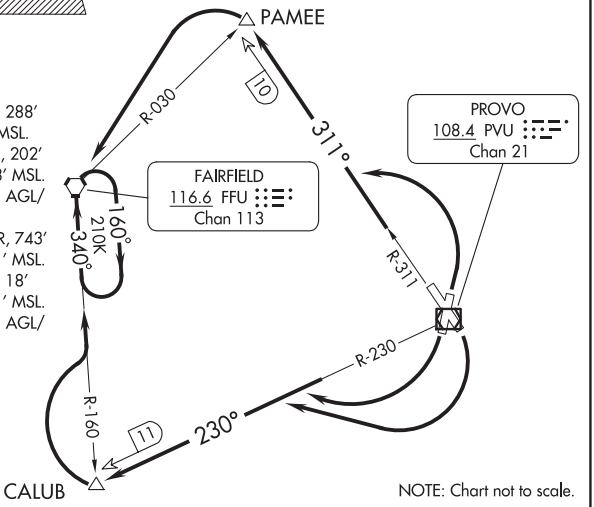
Rwy 13: Standard with a minimum climb of 400′ per NM to 9000, or 3100-3 for climb in visual conditions.
Rwy 18: Standard with a minimum climb of 350′ per NM to 9000, or 3100-3 for climb in visual conditions.
Rwy 31: Standard with a minimum climb of 380′ per NM to 9000, or 3100-3 for climb in visual conditions.
Rwy 36: Standard with a minimum climb of 365′ per NM to 9000, or 3100-3 for climb in visual conditions.

NOTE: Climb in visual conditions NA at night.



TAKEOFF OBSTACLE NOTES

Rwy 18: Multiple trees beginning 429′ from DER, 288′ left of centerline, up to 57′ AGL/4533′ MSL. Multiple trees beginning 852′ from DER, 202′ right of centerline, up to 57′ AGL/4533′ MSL. Road 775′ from DER, on centerline, 15′ AGL/4518′ MSL.
Rwy 31: Multiple trees beginning 1954′ from DER, 743′ right of centerline, up to 72′ AGL/4561′ MSL.
Rwy 36: Multiple trees beginning 978′ from DER, 18′ right of centerline, up to 46′ AGL/4541′ MSL. Road 210′ from DER, on centerline, 15′ AGL/4516′ MSL.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

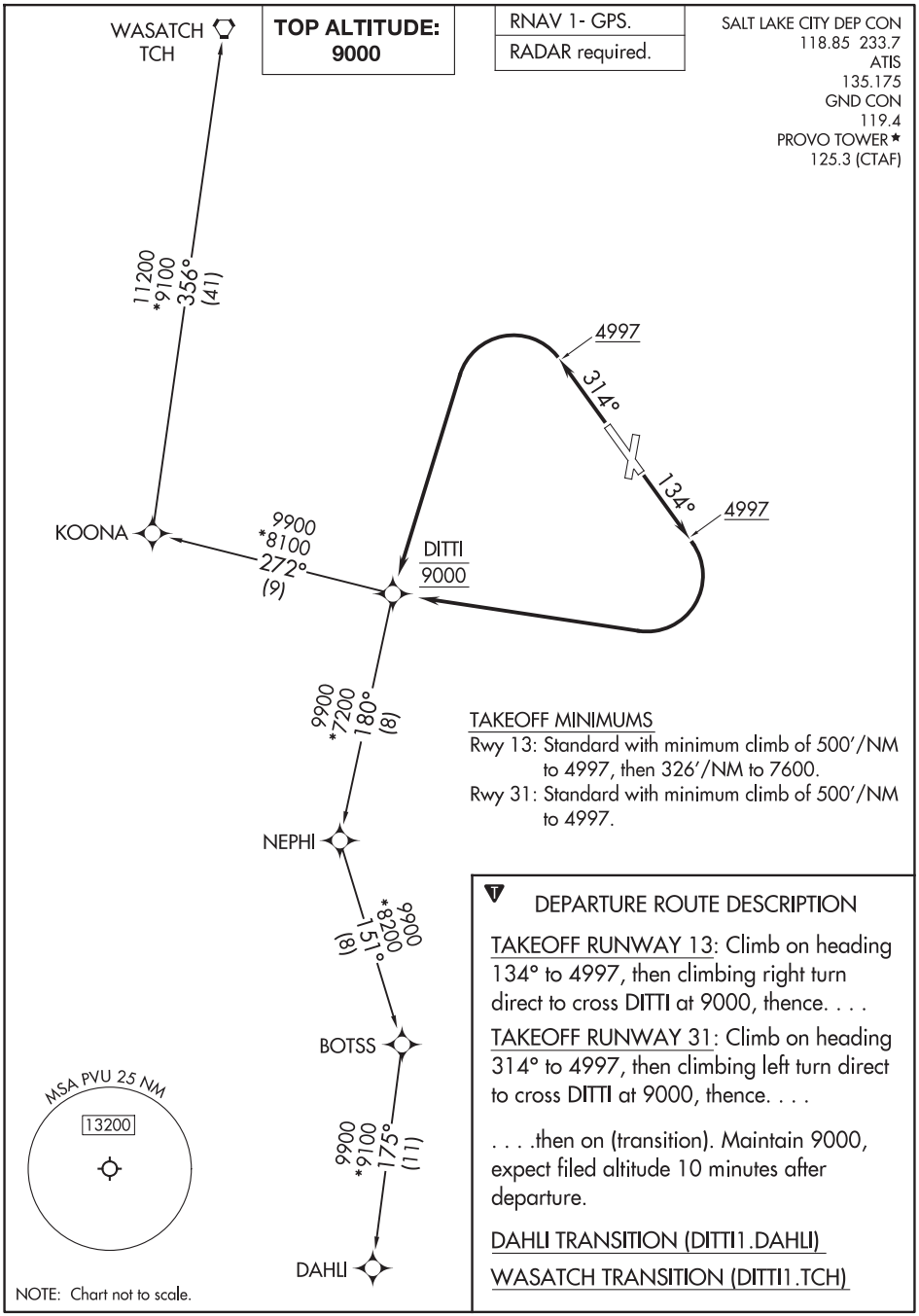
TAKEOFF RUNWAYS 13, 18: Climbing right turn to 9000 via PVU VOR/DME R-230 to CALUB INT/PVU 11 DME and a right turn via FFU VORTAC R-160 to FFU VORTAC and hold. Thence.... or climb in visual conditions to cross Provo Muni Airport southwest bound at or above 7400, climb to 9000 via PVU R-230 to CALUB INT/PVU 11 DME and right turn via FFU R-160 to FFU VORTAC and hold. Thence...

TAKEOFF RUNWAY 31: Climb to 9000 via PVU VOR/DME R-311 to PAMEE INT/PVU 10 DME and left turn direct FFU VORTAC and hold. Thence....
or climb in visual conditions to cross Provo Muni Airport northwest bound at or above 7400, climb to 9000 via PVU R-311 to PAMEE INT/PVU 10 DME and left turn direct FFU VORTAC and hold. Thence...

TAKEOFF RUNWAY 36: Climbing left turn to 9000 via PVU VOR/DME R-311 to PAMEE INT/PVU 10 DME and left turn direct FFU VORTAC and hold. Thence....
or climb in visual conditions to cross Provo Muni Airport northwest bound at or above 7400, climb to 9000 via PVU R-311 to PAMEE INT/PVU 10 DME, and left turn direct FFU VORTAC and hold. Thence...

....Expect clearance for filed route and altitude within 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025



TAKEOFF MINIMUMS
Rwy 13: Standard with minimum climb of 500'/NM to 4997, then 326'/NM to 7600.
Rwy 31: Standard with minimum climb of 500'/NM to 4997.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 134° to 4997, then climbing right turn direct to cross DITTI at 9000, thence. . . .

TAKEOFF RUNWAY 31: Climb on heading 314° to 4997, then climbing left turn direct to cross DITTI at 9000, thence. . . .

. . . .then on (transition). Maintain 9000, expect filed altitude 10 minutes after departure.

DAHLI TRANSITION (DITTI1.DAHLI)

WASATCH TRANSITION (DITTI1.TCH)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-524 (FAA) | 25219

ILS or LOC RWY 32

RENO/STEAD (RTS)

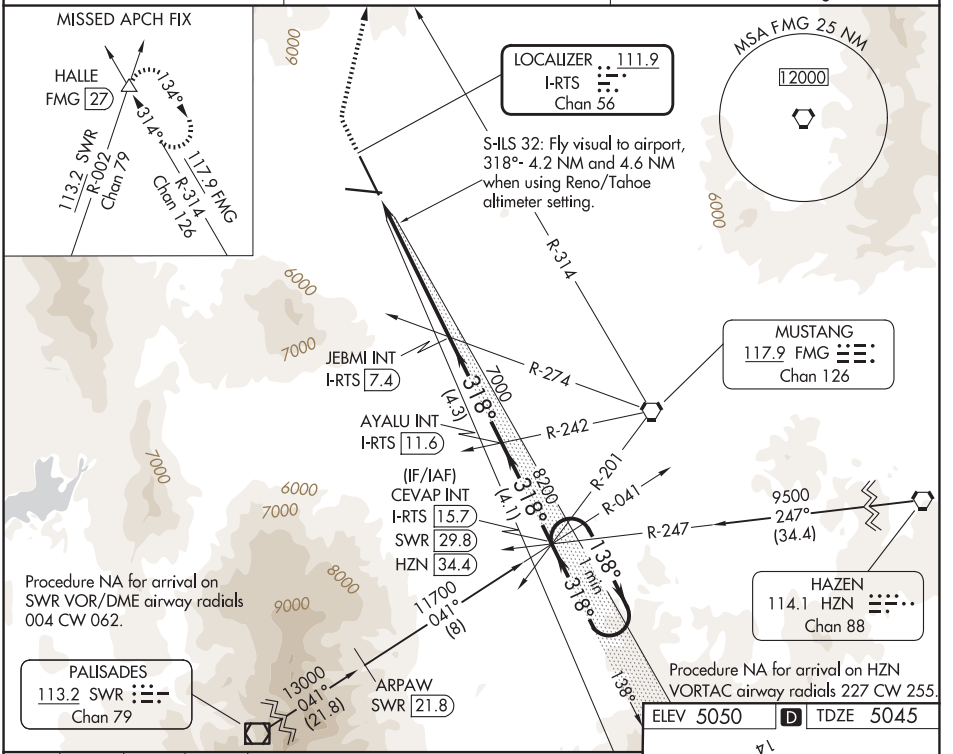
LOC/DME I-RTS	APP CRS	Rwy Ldg	7800
111.9	318°	TDZE	5045
Chan 56		Apt Elev	5050

T NA -15°C — Inoperative table does not apply. Procedure NA at night. When local altimeter setting not received, use Reno/Tahoe Intl altimeter setting and increase all DA/MDA 120 feet. VDP NA when using Reno/Tahoe Intl altimeter setting. Circling NA for Cat D southwest of Rwy 14-32.

MALSR

MISSED APPROACH: Climb to 6740 then climbing right turn to 14000 on heading 356° and FMG VORTAC R-314 to HALLE INT/FMG 27 DME and hold, continue climb-in-hold to 14000.

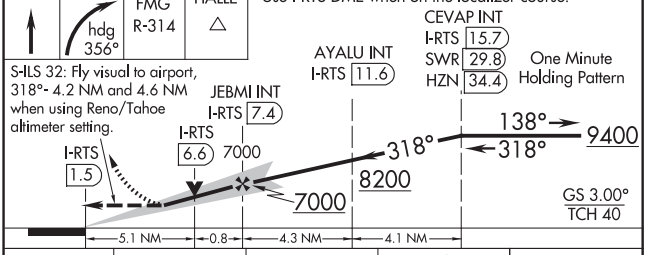
AWOS-3	NORCAL APP CON	UNICOM
135.175	126.3 353.9	122.7 (CTAF) L

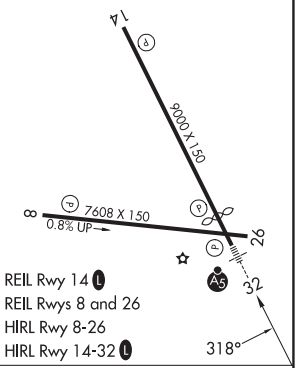


ELEV 5050 D TDZ 5045

6740	14000	FMG	HALLE
↑	hdg 356°	R-314	△

Use I-RTS DME when on the localizer course.





REIL Rwy 14 L
REIL Rwys 8 and 26
HIRL Rwy 8-26
HIRL Rwy 14-32 L

FAF to MAP 5.9 NM

Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

CATEGORY	A	B	C	D
S-ILS 32	6425-3 1380 (1400-3)			
S-LOC 32	6720-1¼ 1675 (1700-1¼)	6720-1½ 1675 (1700-1½)	6720-3 1675 (1700-3)	
CIRCLING	6720-1¼ 1670 (1700-1¼)	6720-1½ 1670 (1700-1½)	6720-3 1670 (1700-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 32

RENO/STEAD (RTS)

WAAS	APP CRS	Rwy Ldg	7800
CH 60920	318°	TDZE	5045
W32A		Apt Elev	5050

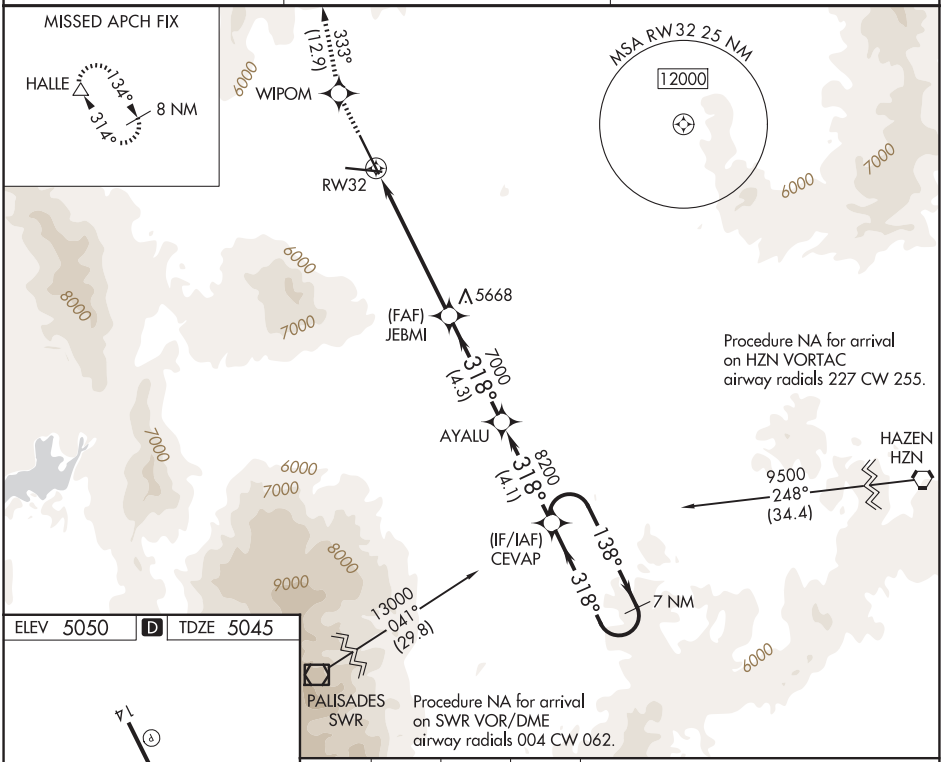
T NA -15°C

When VGSI inoperative, Circling Rwy 8 NA at night. DME/DME RNP- 0.3 NA. When local altimeter setting not received, use Reno/Tahoe Intl altimeter setting and increase all DA 115 feet and all MDA 120 feet. Inoperative table does not apply. Circling NA for Cat D southwest of Rwy 14-32.

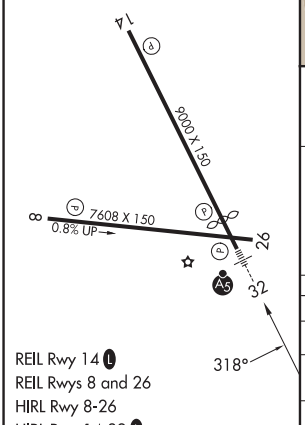
MALSR

MISSED APPROACH: Climb to 14000 direct WIPOM and on track 333° to HALLE and hold, continue climb-in-hold to 14000.

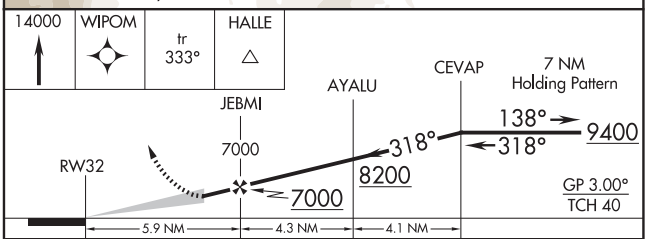
AWOS-3	NORCAL APP CON	UNICOM
135.175	126.3 353.9	122.7 (CTAF) L



ELEV 5050 D TDZE 5045



REIL Rwy 14 L
REIL Rwys 8 and 26
HIRL Rwy 8-26
HIRL Rwy 14-32 L

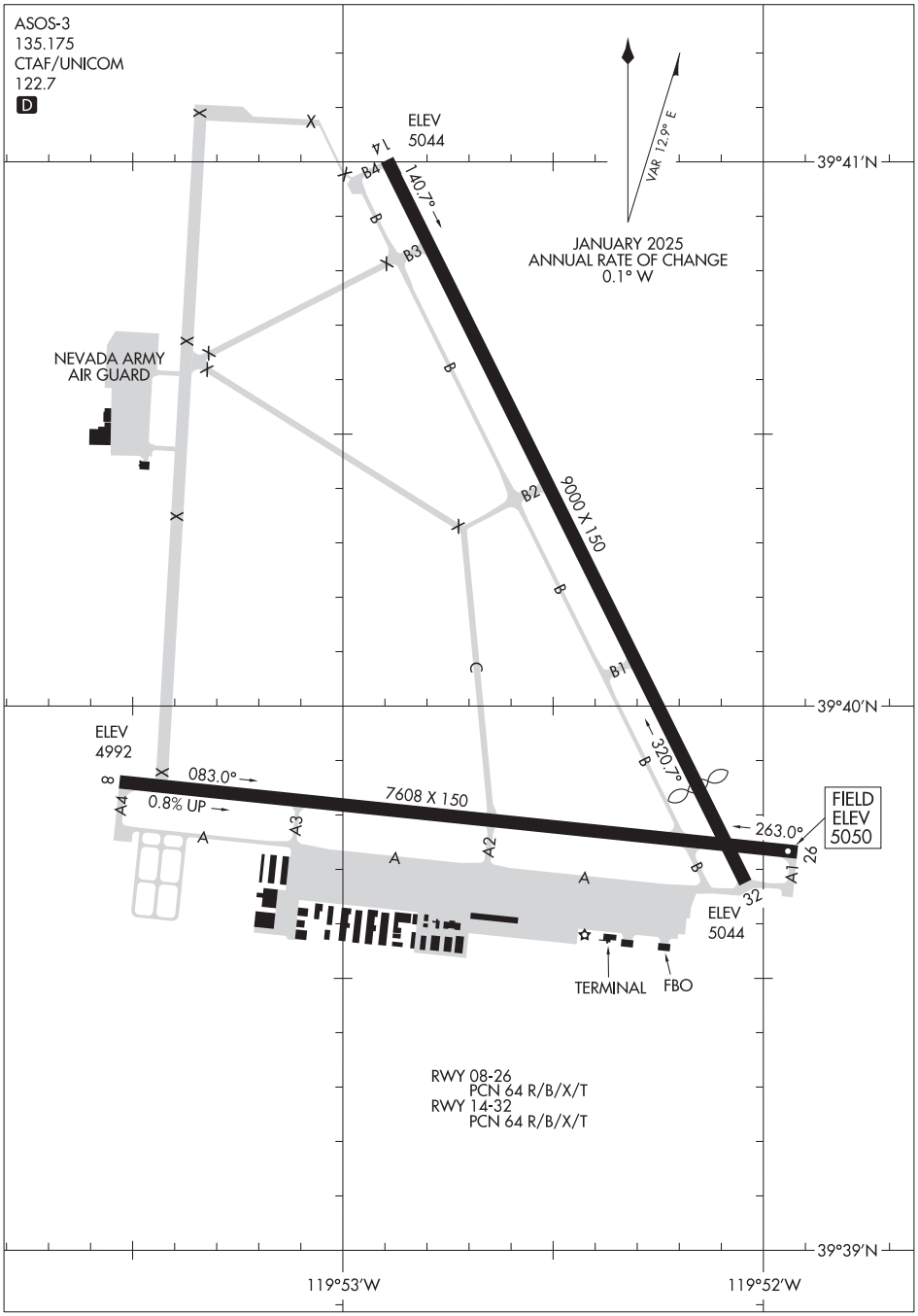


CATEGORY	A	B	C	D
LPV DA	6533-6 1488 (1500-6)			
LNAV MDA	6840-1¼ 1795 (1800-1¼)	6840-1½ 1795 (1800-1½)	6840-3 1795 (1800-3)	
CIRCLING	6840-1¼ 1790 (1800-1¼)	6840-1½ 1790 (1800-1½)	6840-3 1790 (1800-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107
AIRPORT DIAGRAM
AL-524 (FAA)

RENO/STEAD (RTS)
RENO, NEVADA

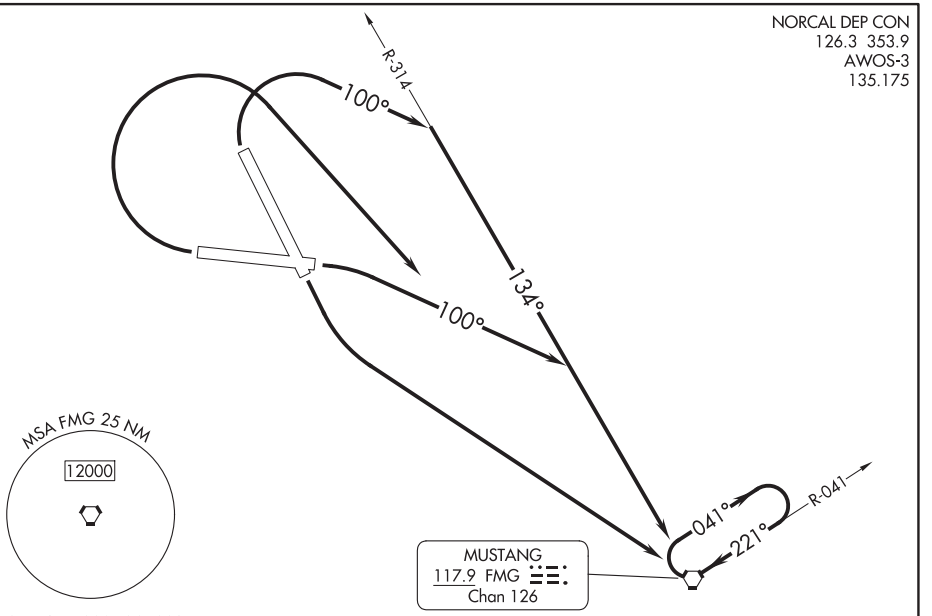


SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107

RENO, NEVADA
RENO/STEAD (RTS)



TAKEOFF MINIMUMS

Rwy 8: Standard with minimum climb of 390'/NM to 6800 or 4400-3 for VCOA.
Rwy 14: Standard with minimum climb of 360'/NM to 6400 or 4400-3 for VCOA.
Rwy 26: Standard with minimum climb of 570'/NM to 8900 or 4400-3 for VCOA.
Rwy 32: Standard with minimum climb of 520'/NM to 8100 or 4400-3 for VCOA.

TAKEOFF OBSTACLE NOTES

Rwy 8: Vegetation beginning 138' from DER, 358' left of centerline, up to 5058' MSL.
Rwy 26: Vegetation 4' from DER, 360' right of centerline, 4997' MSL.
Pole 1079' from DER, 623' left of centerline, 5032' MSL.
Terrain beginning 2.4 NM from DER, 733' left of centerline, up to 5756' MSL.
Rwy 32: Vertical structure 56' from DER, 229' left of centerline, 5054' MSL.
Vegetation 2.3 NM from DER, 2232' left of centerline, 5806' MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climbing right turn to heading 100° to intercept FMG R-314 to FMG VORTAC, thence. . . .
TAKEOFF RUNWAY 14: Climbing left turn direct FMG VORTAC, thence. . . .
TAKEOFF RUNWAY 26: Climbing right turn direct FMG VORTAC, thence. . . .
TAKEOFF RUNWAY 32: Climbing right turn to heading 100° to intercept FMG VORTAC R-314 to FMG VORTAC, thence. . . .

. . . .continue climb in FMG VORTAC holding pattern to cross FMG VORTAC at or above MEA for route of flight.

VCOA RUNWAYS 8,14, 26, 32: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Reno/Stead airport at or above 9300 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-346 (FAA) | 25107

ILS or LOC RWY 35L

RENO/TAHOE INTL (RNO)

LOC/DME I-AGY	APP CRS	Rwy Idg	10011
109.9	347°	TDZE	4410
Chan 36		Apt Elev	4415

DME required.

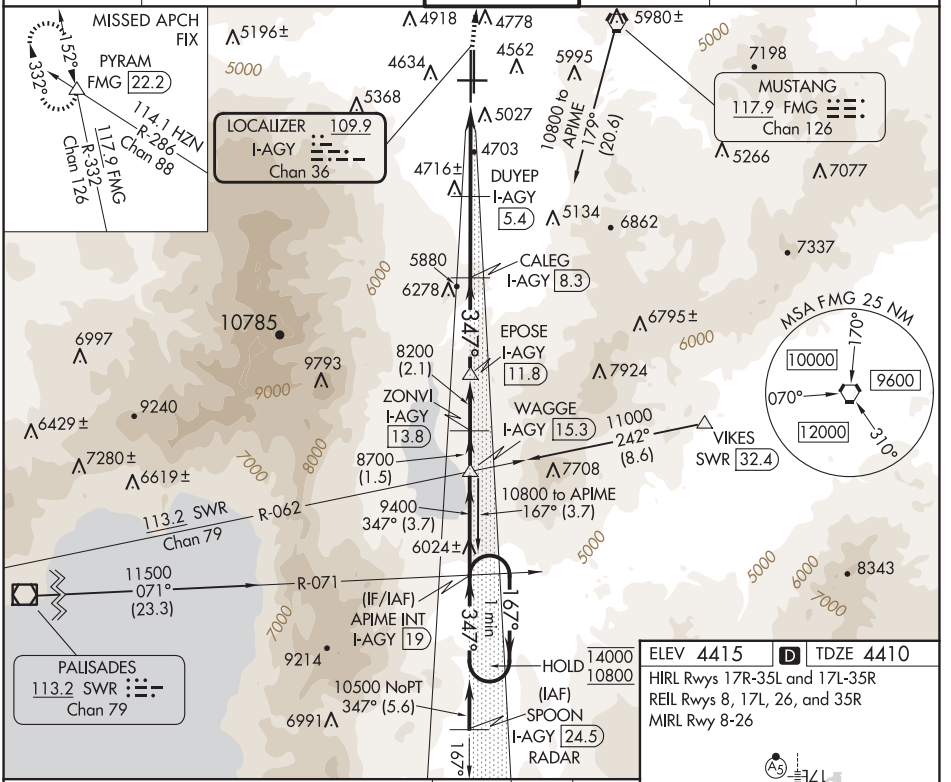
Circling Rwy 8 NA at night. Inop table does not apply.

-13°C

MALSR

MISSED APPROACH: Climb to 11000 on heading 350° and on FMG VORTAC R-332 to PYRAM INT/FMG 22.2 DME and hold, continue climb-in-hold to 11000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

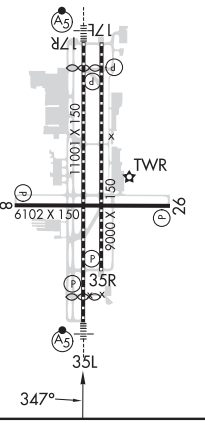


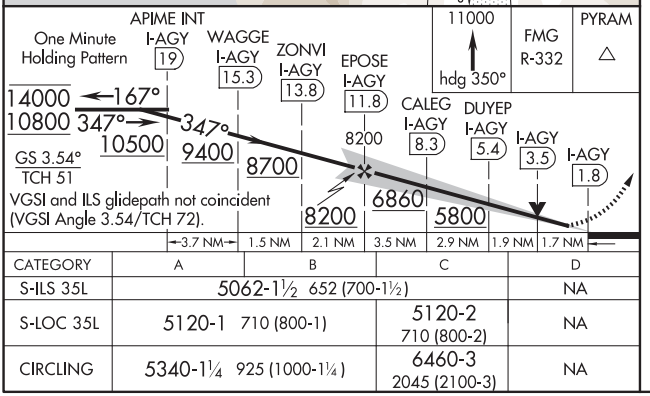
ELEV 4415 | D | TDZE 4410

HIRL Rwys 17R-35L and 17L-35R

REIL Rwys 8, 17L, 26, and 35R

MIRL Rwy 8-26





CATEGORY	A	B	C	D
S-ILS 35L	5062-1½ 652 (700-1½)			NA
S-LOC 35L	5120-1 710 (800-1)		5120-2 710 (800-2)	NA
CIRCLING	5340-1¼ 925 (1000-1¼)		6460-3 2045 (2100-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ILS X or LOC X RWY 17R

RENO/TAHOE INTL (RNO)

LOC/DME I-RNO	APP CRS	Rwy Idg	10001
110.9	167°	TDZE	4415
Chan 46		Apt Elev	4415

DME required. RNP APCH - GPS.

Circling Rwy 8 NA at night.

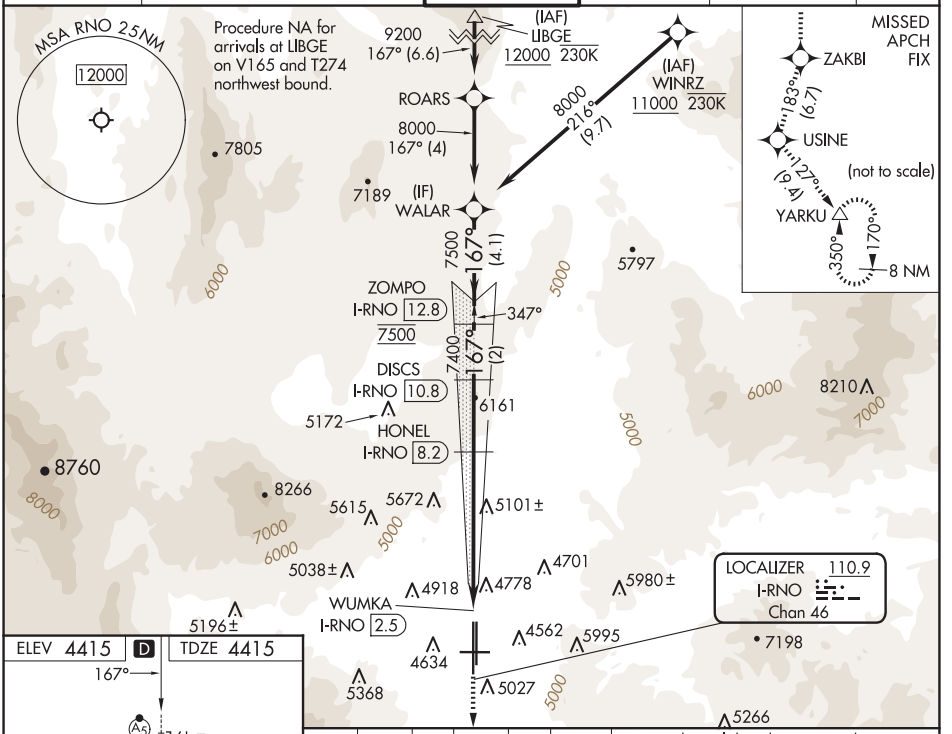
*RVR 1800 authorized with use of FD or AP or HUD to DA.

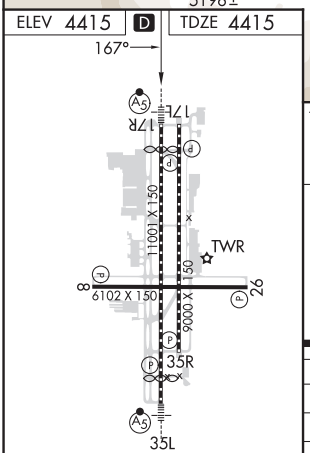
-13°C #For inop ALS, increase S-ILS 17R all Cats visibility to 2 SM.

MALSR

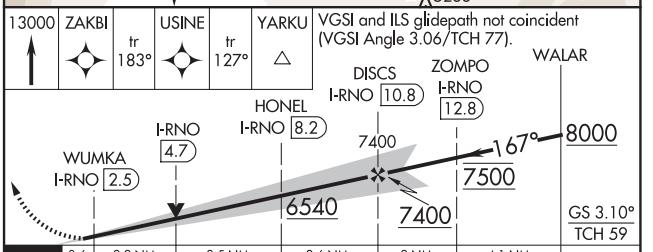
MISSED APPROACH: Climb to 13000 on the RNAV missed approach route to YARKU and hold, continue climb-in-hold to 13000.
*Missed approach requires minimum climb of 390 feet per NM to 8000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	





MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R



CATEGORY	A	B	C	D
S-ILS 17R*	4615/24 200 (200-½)			
S-ILS 17R#	5138-1⅝ 723 (800-1⅝)			
S-LOC 17R	5420/40 1005 (1100-¾)	5420/55 1005 (1100-1)	5420-2½ 1005 (1100-2½)	
C CIRCLING	5420-1¼ 1005 (1100-1¼)	5420-1½ 1005 (1100-1½)	6480-3 2065 (2100-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-346 (FAA) | 25107

ILS Z or LOC Z RWY 17R

RENO/TAHOE INTL (RNO)

LOC/DME I-RNO	APP CRS	Rwy Idg	10001
110.9	167°	TDZE	4415
Chan 46		Apt Elev	4415

DME required. RNP APCH - GPS. From HOBOA or KLOCK: RF

Circling Rwy 8 NA at night.
#For inop ALS, increase S-ILS 17R all Cats visibility to 2 SM.
*RVR 1800 authorized with use of FD or AP or HUD to DA.
-13°C

MALSR

MISSED APPROACH: Climb to 13000 on the RNAV missed approach route to YARKU and hold, continue climb-in-hold to 13000.
*Missed approach requires minimum climb of 390 feet per NM to 8000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

Procedure NA for arrivals at LIBGE on V165 and T274 northwest bound.

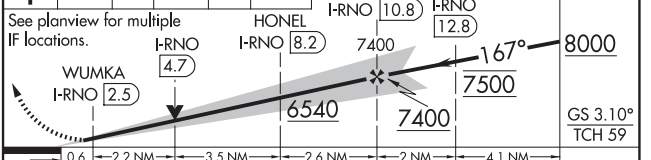
(IAF) LIBGE 12000 230K
9200 167° (6.6)
AMIES
ROARS
8000 167° (4)
9400 (6.5)
8000 (4.5)
(IAF) WINRZ 11000 230K
8000 216° (9.7)
7805
ZONBI
7189
(IF) WALAR
MSA RNO 25 NM 12000
10700 005° (11.3)
6000
5000
(4.1) 7500 167°
7500 (8.6)
5797
ZOMPO I-RNO 12.8 7500
347°
SLABS
DISCS I-RNO 10.8
7400 167° (2)
6161
5172
9000 331° (4.4)
(IF) BELBE 210K
8210
7000
HONEL I-RNO 8.2
8760
JUDPU 230K
8266
5672
5101±
12200 037° (18)
8000
7000
6000
5615
5038±
4918
4778
4701
5980±
9000 331° (8.9)
7198
(IAF) KLOCK 10000 210K
WUMKA I-RNO 2.5
5196±
4562
5995
5368
4634
5027
LOCALIZER 110.9 I-RNO Chan 46
5266
7077
(IAF) HOBOA 16000

MISSED APCH FIX
ZAKBI
183° (6.7)
USINE
127° (9.4)
YARKU
350°
170°
8 NM
(not to scale)

13000	ZAKBI	tr 183°	USINE	tr 127°	YARKU

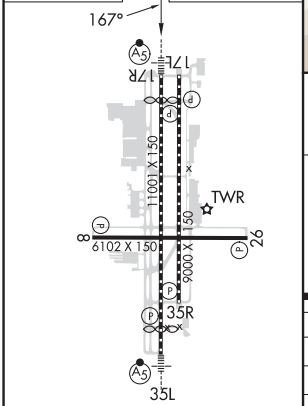
VGSI and ILS glidepath not coincident (VGSI Angle 3.06/TCH 77).

See planview for multiple IF locations.



CATEGORY	A	B	C	D
S-ILS 17R*	4615/24		200 (200-½)	
S-ILS 17R#	5138-1⅝		723 (800-1⅝)	
S-LOC 17R	5420/40 1005 (1100-¾)	5420/55 1005 (1100-1)	5420-2½	1005 (1100-2½)
C CIRCLING	5420-1¼ 1005 (1100-1¼)	5420-1½ 1005 (1100-1½)	6480-3	2065 (2100-3)

ELEV 4415 D TDZE 4415



MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

RENO, NEVADA
Amdt 1A 15JUN23

39°30'N-119°46'W

RENO/TAHOE INTL (RNO)

ILS Z or LOC Z RWY 17R

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

ILS Y RWY 17R

RENO/TAHOE INTL (RNO)

LOC/DME I-RNO	APP CRS	Rwy Idg	10001
110.9	167°	TDZE	4415
Chan 46		Apt Elev	4415

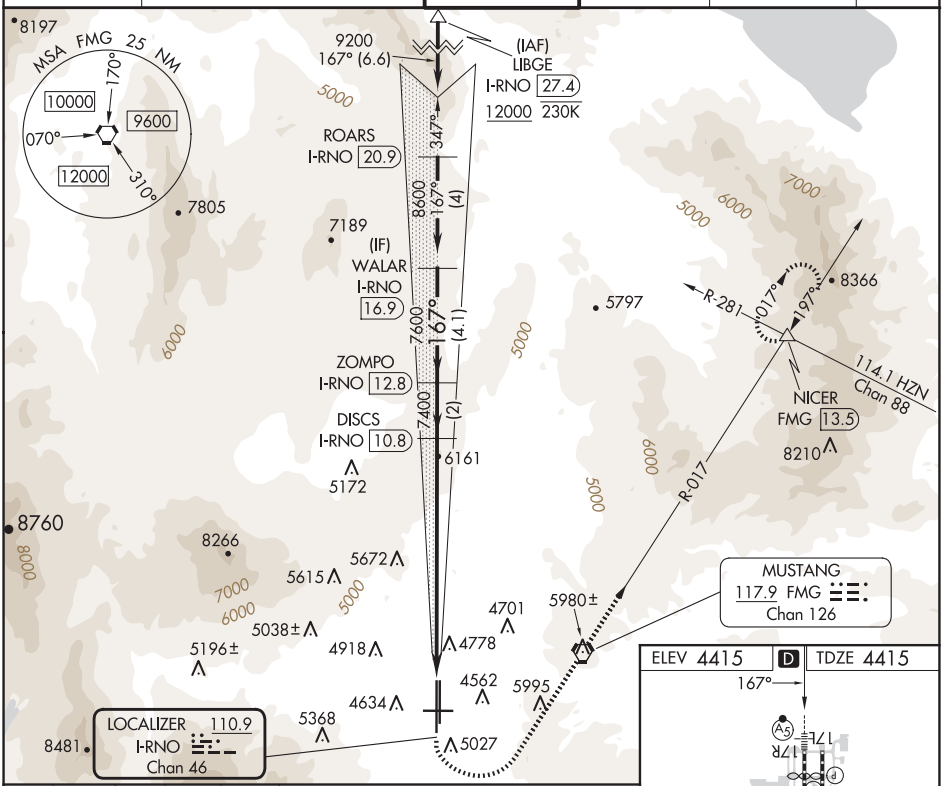
DME required.

T A -13°C # Inop table does not apply. † For inop ALS, increase S-ILS 17R visibility to 1⅜ SM.

MALSR

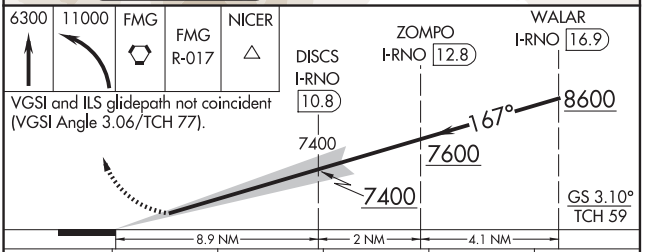
MISSED APPROACH: Climb to 6300 then climbing left turn to 11000 direct FMG VORTAC and on FMG VORTAC R-017 to NICER INT/FMG 13.5 DME and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 350 feet per NM to 8000.
**Missed approach requires minimum climb of 275 feet per NM to 8000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

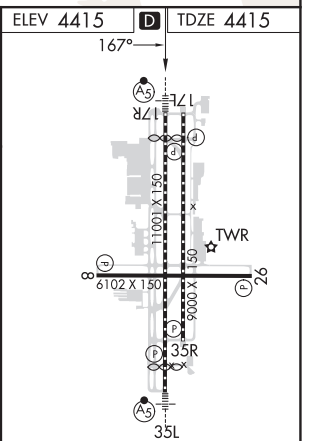


6300	11000	FMG	FMG R-017	NICER

VGSI and ILS glidepath not coincident (VGSI Angle 3.06/TCH 77).



CATEGORY	A	B	C	D	E
S-ILS 17R*†	4915/50 500 (500-1)				
S-ILS 17R**#	5415-4 1000 (1000-4)				
S-ILS 17R#	5915-5 1500 (1500-5)				



MIRL Rwy 8-26
REIL Rwys 8, 17L, 26 and 35R
HIRL Rwys 17R-35L and 17L-35R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-346 (FAA) | 25107

RNAV (RNP) W RWY 35L

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	10011
347°	TDZE	4410
	Apt Elev	4415

RNP AR APCH - GPS.

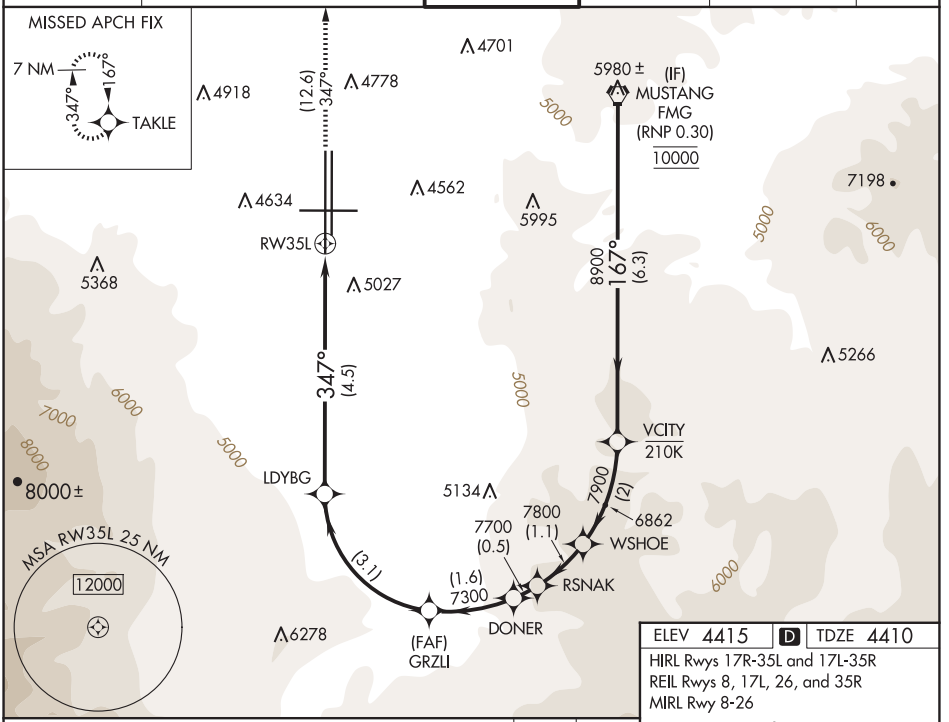
For uncompensated Baro-VNAV systems, procedure NA below -9°C or above 35°C .

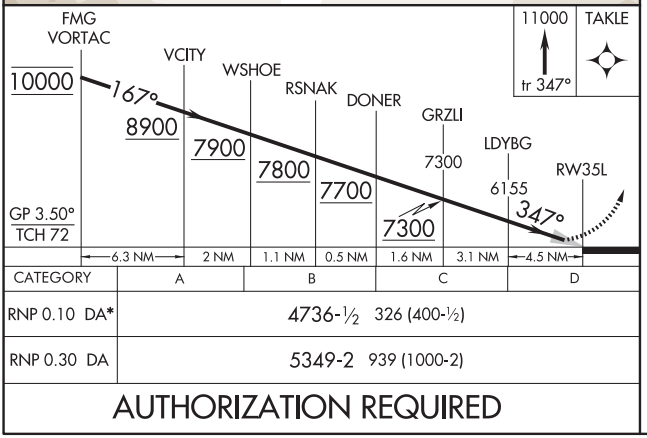
-13°C

MALSR

MISSED APPROACH: Climb to 11000 on track 347° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 300 feet per NM to 7140.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



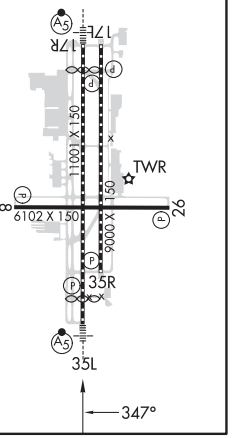


CATEGORY	A	B	C	D
RNP 0.10 DA*	4736-½ 326 (400-½)			
RNP 0.30 DA	5349-2 939 (1000-2)			

AUTHORIZATION REQUIRED

ELEV 4415 | D | TDZE 4410

HIRL Rwys 17R-35L and 17L-35R
REIL Rwys 8, 17L, 26, and 35R
MIRL Rwy 8-26



RENO, NEVADA
Orig 03NOV22

RENO/TAHOE INTL (RNO)

39°30'N-119°46'W

RNAV (RNP) W RWY 35L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) W RWY 35R

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	9000
347°	TDZE	4408
	Apt Elev	4415

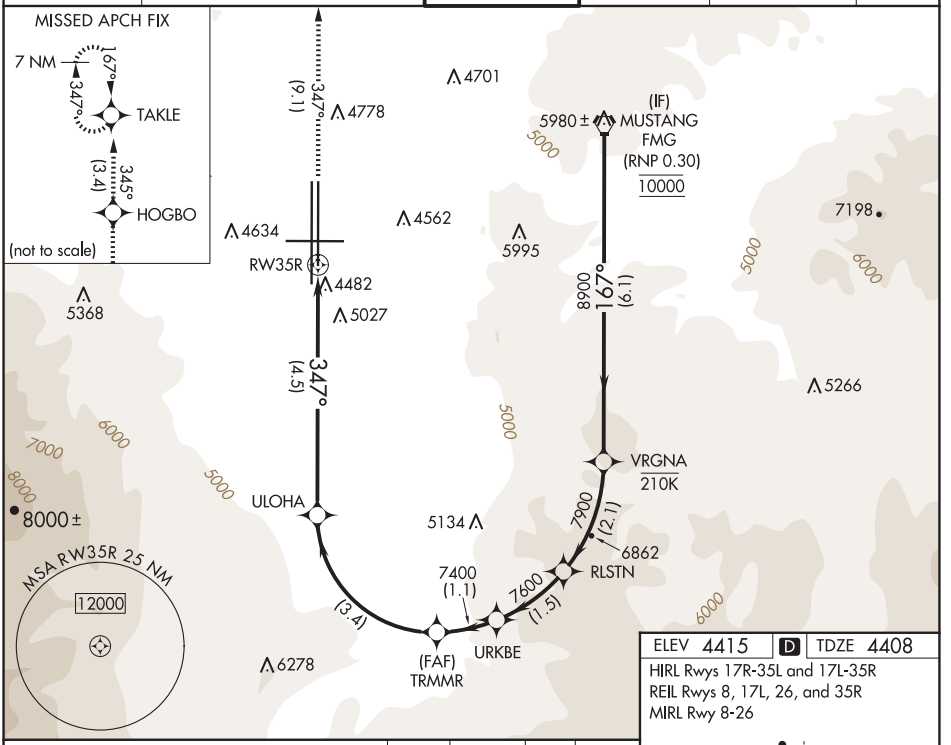
RNP AR APCH - GPS.

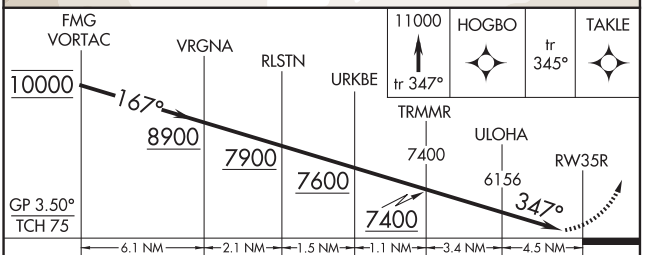
T A -13°C

For uncompensated Baro-VNAV systems, procedure NA below -9°C or above 34°C .

MISSED APPROACH: Climb to 11000 on track 347° to HOGBO and on track 345° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 301 feet per NM to 7150.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



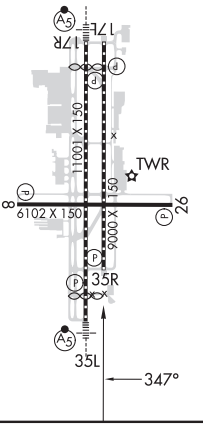


CATEGORY	A	B	C	D
RNP 0.11 DA*	4762-1 354 (400-1)			
RNP 0.30 DA	5349-2½ 941 (1000-2½)			

AUTHORIZATION REQUIRED

ELEV 4415 D TDZE 4408

HIRL Rwys 17R-35L and 17L-35R
REIL Rwys 8, 17L, 26, and 35R
MIRL Rwy 8-26



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-346 (FAA) | 25107

RNAV (RNP) Y RWY 17L

RENO/TAHOE INTL (RNO)

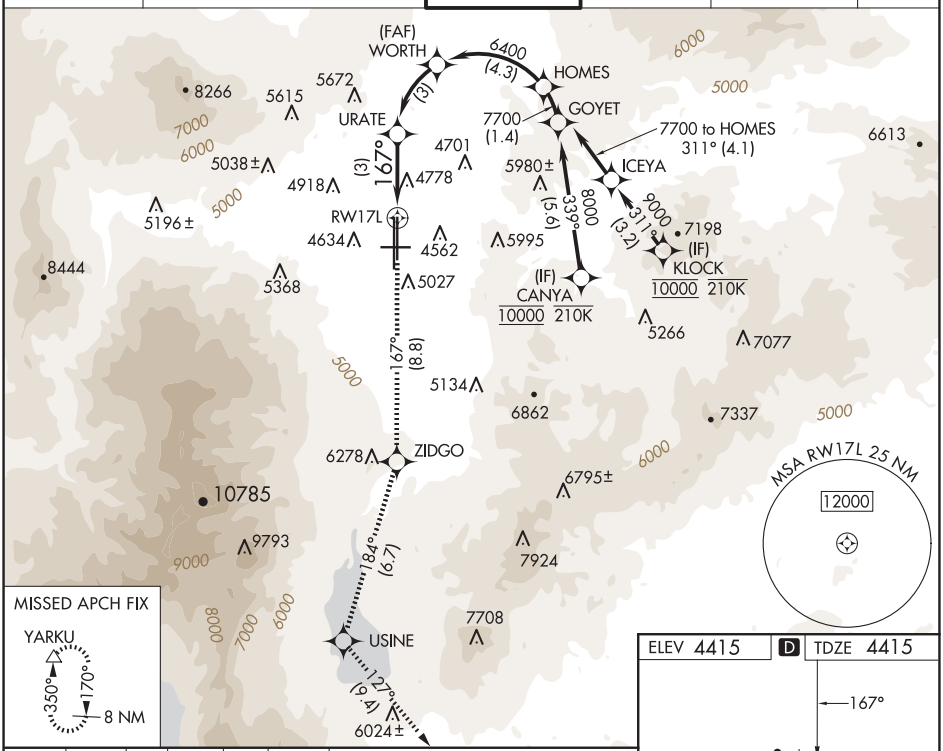
APP CRS	Rwy Idg	9000
167°	TDZE	4415
	Apt Elev	4415

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -9°C or above 54°C.

MISSED APPROACH: Climb to 13000 on track 167° to ZIDGO and on track 184° to USINE and on track 127° to YARKU and hold, continue climb-in-hold to 13000.
*Missed approach requires minimum climb of 252 feet per NM to 7200.
#Missed approach requires minimum climb of 203 feet per NM to 5040.

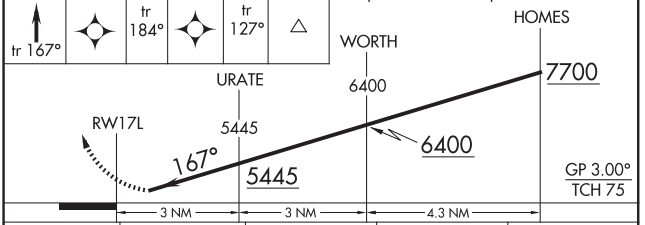
D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



MISSED APCH FIX

13000	ZIDGO	tr 184°	USINE	tr 127°	YARKU
tr 167°					

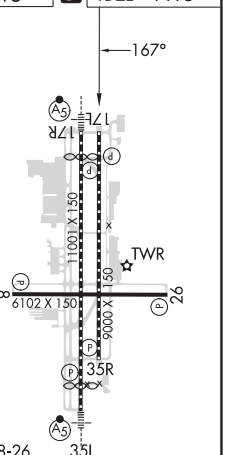
See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.12 DA*	4754-1	339 (400-1)		
RNP 0.17 DA#	5017-1¾	602 (700-1¾)		
RNP 0.30 DA	5067-1⅞	652 (700-1⅞)		

AUTHORIZATION REQUIRED

ELEV 4415 | D | TDZE 4415



MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

RENO, NEVADA
Amdt 2 03NOV22

39°30'N-119°46'W

RENO/TAHOE INTL (RNO)

RNAV (RNP) Y RWY 17L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Y RWY 17R

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	10001
167°	TDZE	4415
	Apt Elev	4415

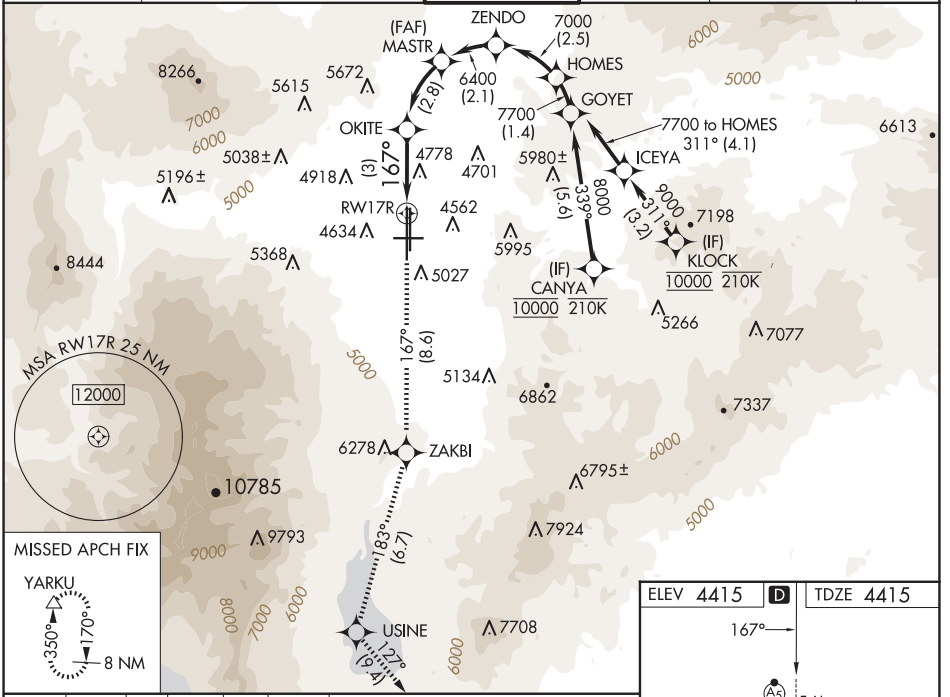
RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, -13°C procedure NA below -9°C or above 54°C. For inop ALS, increase RNP 0.1 DA all Cats visibility to RVR 5500, increase RNP 0.2 DA all Cats visibility to 1⅝ SM, increase RNP 0.3 DA all Cats visibility to 1⅞ SM.

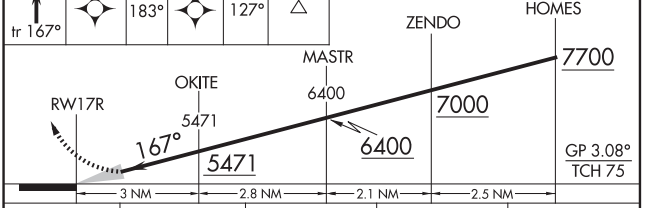
MALSR

MISSED APPROACH: Climb to 13000 on track 167° to ZAKBI and on track 183° to USINE and on track 127° to YARKU and hold, continue climb-in-hold to 13000.
#Missed approach requires minimum climb of 222 feet per NM to 7220.
*Missed approach requires minimum climb of 266 feet per NM to 7240.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

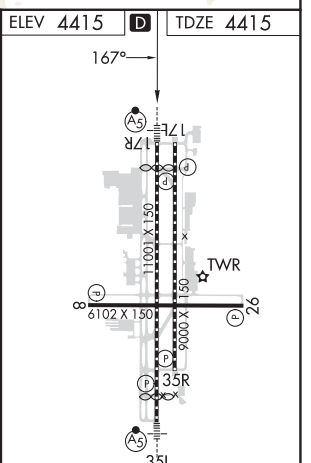


13000 tr 167°	ZAKBI	tr 183°	USINE	tr 127°	YARKU	See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.10 DA*	4759/30	344 (400-⅝)		
RNP 0.20 DA#	4985-1¼	570 (600-1¼)		
RNP 0.30 DA	5091-1½	676 (700-1½)		

AUTHORIZATION REQUIRED



MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 17L

RENO/TAHOE INTL (RNO)

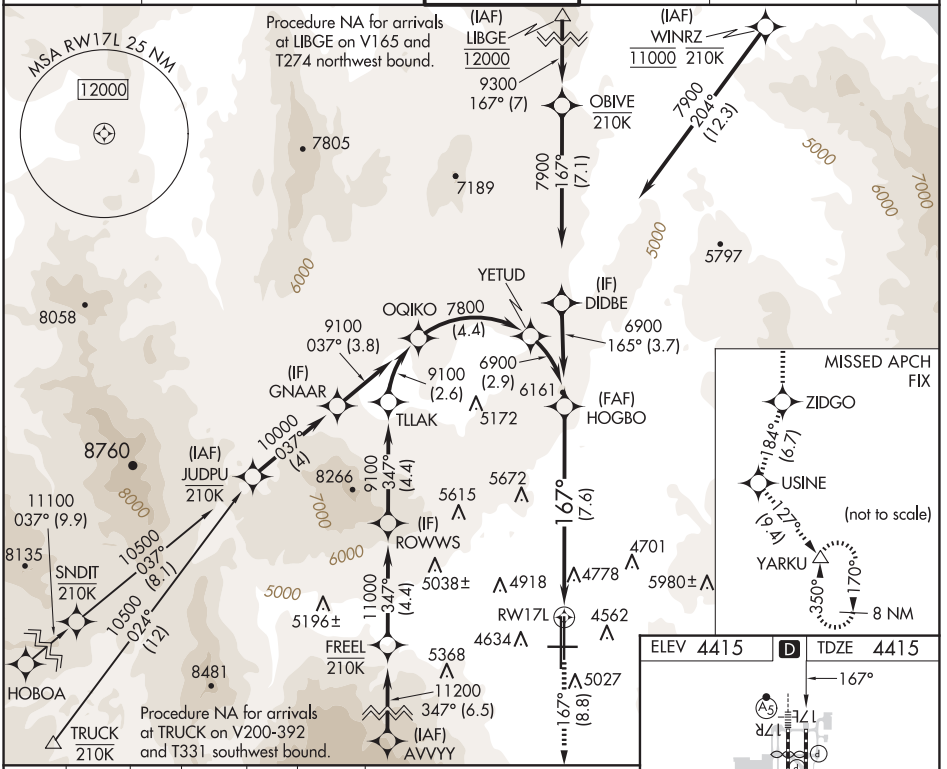
APP CRS	Rwy Idg	9000
167°	TDZE	4415
	Apt Elev	4415

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -9°C or above 54°C.

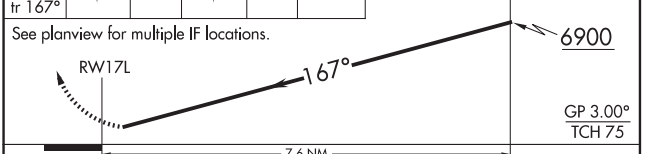
MISSED APPROACH: Climb to 13000 on track 167° to ZIDGO and on track 184° to USINE and on track 127° to YARKU and hold, continue climb-in-hold to 13000.
Missed approach requires minimum climb of 203 feet per NM to 5040.
* Missed approach requires minimum climb of 264 feet per NM to 7260.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



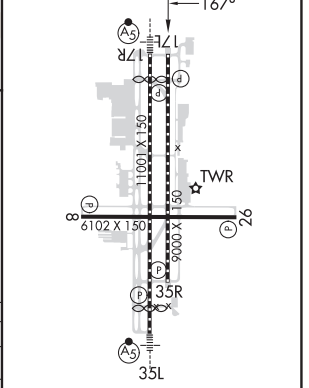
13000 tr 167°	ZIDGO	tr 184°	USINE	tr 127°	YARKU

See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.12 DA*	4754-1 339 (400-1)			
RNP 0.17 DA#	5017-1¾ 602 (700-1¾)			
RNP 0.30 DA	5067-1⅞ 652 (700-1⅞)			

AUTHORIZATION REQUIRED



MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 17R

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	10001
167°	TDZE	4415
	Apt Elev	4415

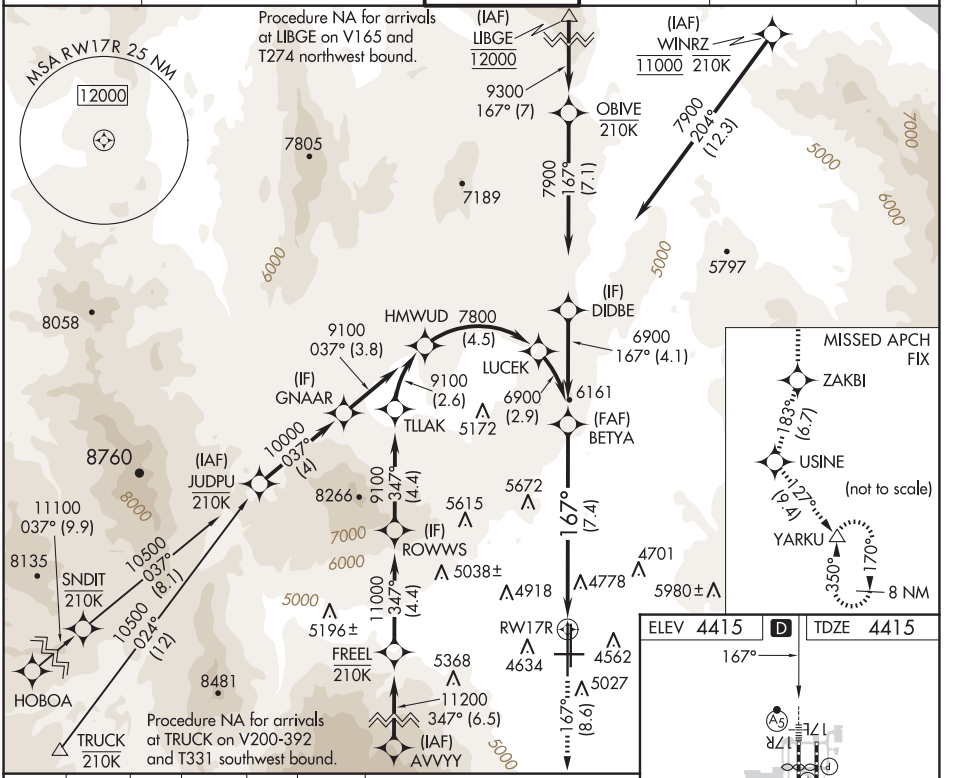
RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, -13°C procedure NA below -9°C or above 54°C. For inop ALS, increase RNP 0.30 DA visibility all Cats to 1⅞ SM.

MALSR

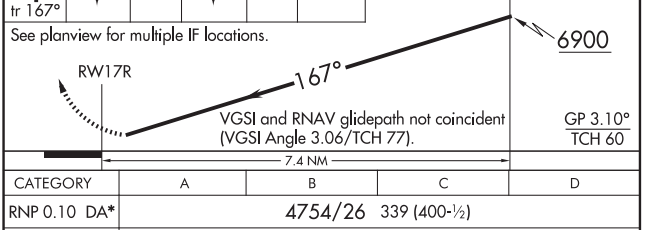
MISSED APPROACH: Climb to 13000 on track 167° to ZAKBI and on track 183° to USINE and on track 127° to YARKU and hold, continue climb-in-hold to 13000.
*Missed approach requires minimum climb of 266 feet per NM to 7240.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



13000 tr 167°	ZAKBI	tr 183°	USINE	tr 127°	YARKU

See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.10 DA*	4754/26 339 (400-½)			
RNP 0.30 DA	5092-1½ 677 (700-1½)			

AUTHORIZATION REQUIRED

MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-346 (FAA) | 25107

RNAV (RNP) Z RWY 35L

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	10011
347°	TDZE	4410
	Apt Elev	4415

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -9°C or above 35°C.

-13°C

MALSR

MISSED APPROACH: Climb to 11000 on track 347° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 300 feet per NM to 7140.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

MISSED APCH FIX

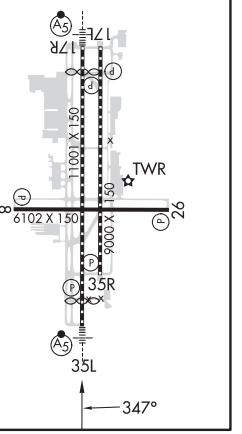
7 NM 347° 167° TAKLE

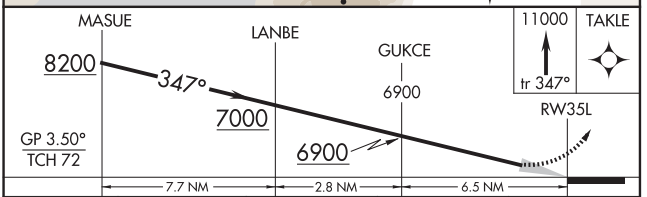
5038±, 4918, 4701, 5980±, 5196±, 4778, 347° (12.6), 4562, 4634, 5995, 7198, 5368, RW35L, 5027, 5266, 7077, 5134, 6862, 7337, (FAF) GUKCE, 6278, (2.8), 6900, 6795±, 10785, 6997, LANBE, 9793, 7924, 9240, 6429±, 7280±, 6619±, 8753, 7708, 347° (7.7), 7000, 6739±, 6024±, (IF) MASUE, 8343, 9214, 8200, 347° (5.7), (IAF) SPOON (RNP 0.30) 230K, 6991, 11000 347° (17.5), (IAF) TARVR (RNP 0.30) 14000, 9150

MSA RW35L 25 NM 12000

ELEV 4415 | D | TDZE 4410

REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R
MIRL Rwy 8-26





CATEGORY	A	B	C	D
RNP 0.10 DA*	4736-½	326 (400-½)		
RNP 0.30 DA	5349-2	939 (1000-2)		

AUTHORIZATION REQUIRED

RENO, NEVADA
Amdt 1 03NOV22

39°30'N-119°46'W

RENO/TAHOE INTL (RNO)

RNAV (RNP) Z RWY 35L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 35R

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	9000
347°	TDZE	4408
	Apt Elev	4415

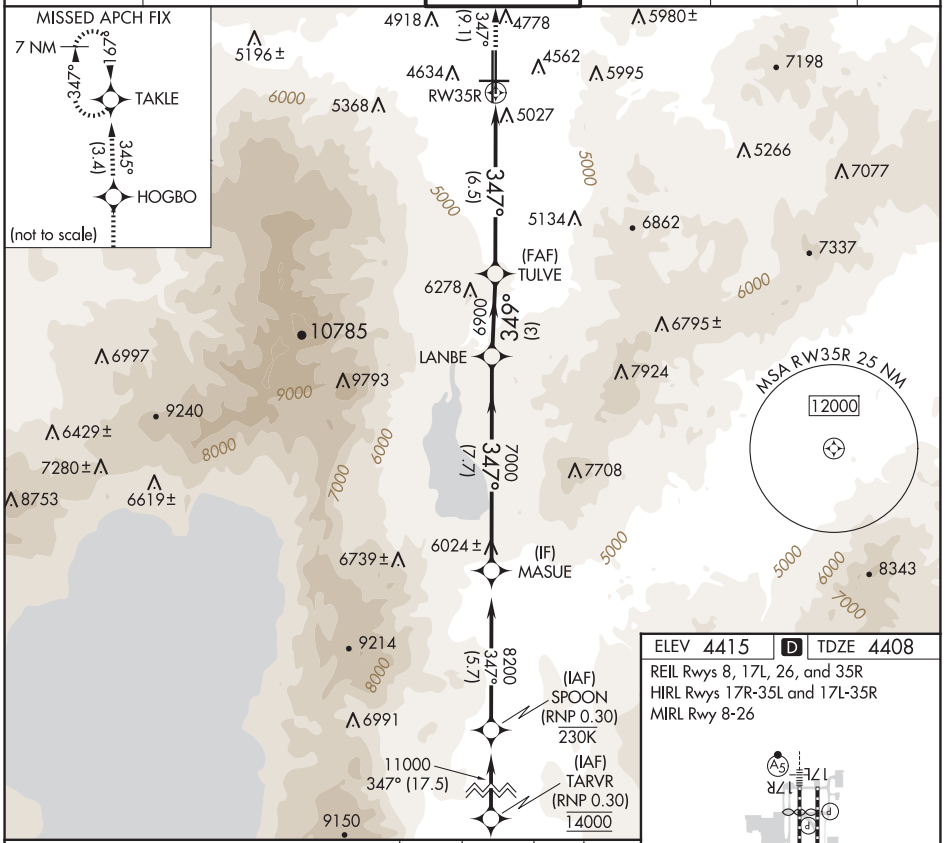
RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -9°C or above 34°C.

-13°C

MISSED APPROACH: Climb to 11000 on track 347° to HOGBO and on track 345° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 301 feet per NM to 7150.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

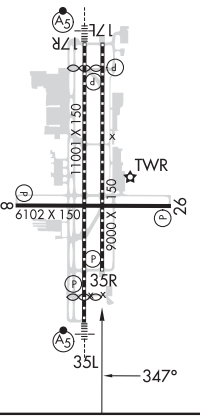


CATEGORY	A	B	C	D
RNP 0.11 DA*	4762-1	354 (400-1)		
RNP 0.30 DA	5349-2½	941 (1000-2½)		

AUTHORIZATION REQUIRED

ELEV 4415 | D | TDZE 4408

REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R
MIRL Rwy 8-26



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) X RWY 17L

RENO/TAHOE INTL (RNO)

WAAS	APP CRS	Rwy Idg	9000
CH 72909	167°	TDZE	4415
W17A		Apt Elev	4415

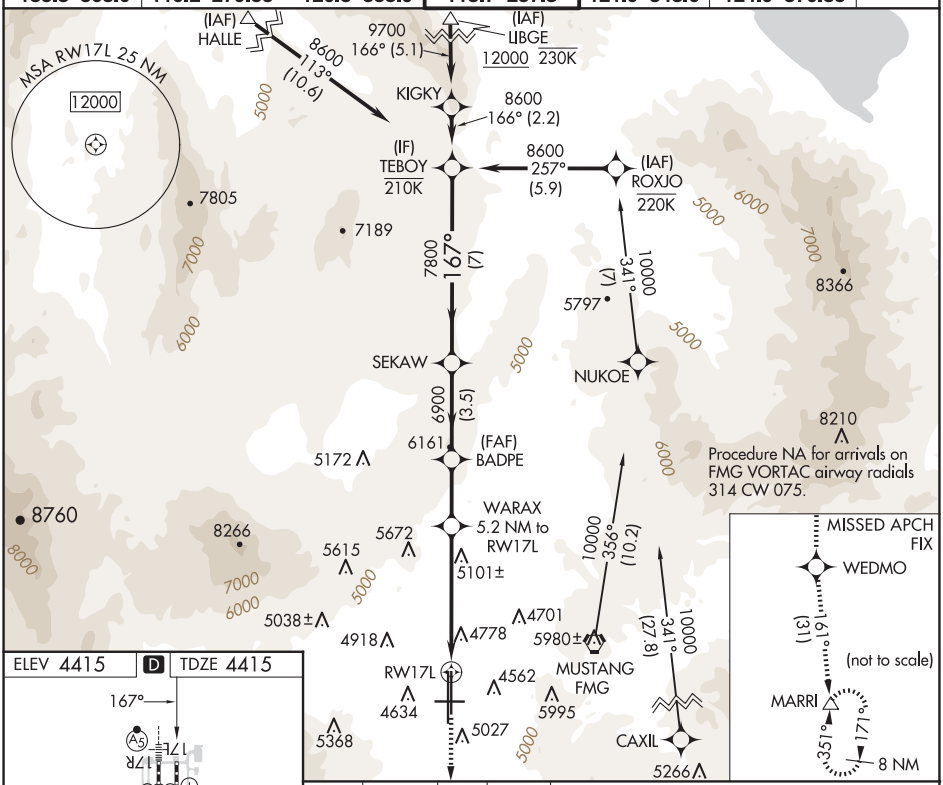
RNP APCH - GPS.

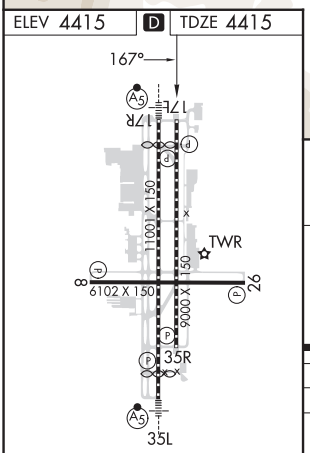
Circling Rwy 8 NA at night. Rwy 17L helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -9°C or above 54°C.

-13°C

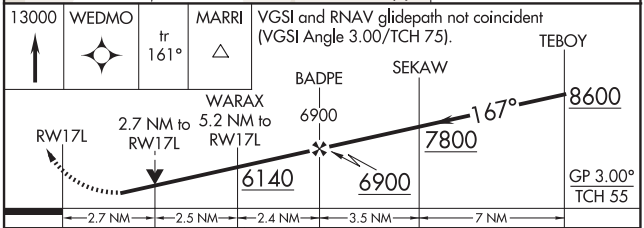
MISSED APPROACH: Climb to 13000 direct WEDMO and on track 161° to MARRI and hold.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	





MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R



CATEGORY	A	B	C	D
LPV DA	5109-2 694 (700-2)			
LNAV/VNAV DA	5094-1⅞ 679 (700-1⅞)			
LNAV MDA	5360-1¼ 945 (1000-1¼)		5360-2½ 945 (1000-2½)	
C CIRCLING	5360-1¼ 945 (1000-1¼)	5360-1½ 945 (1000-1½)	6460-3 2045 (2100-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) X RWY 17R

RENO/TAHOE INTL (RNO)

WAAS	APP CRS	Rwy Idg	10001
CH 78309	167°	TDZE	4415
W17B		Apt Elev	4415

RNP APCH - GPS.

For inop ALS, increase LPV all Cats visibility to 2½ SM. Inop table does not apply to LNAV all Cats.

-13°C

MALSR

MISSED APPROACH: Climb to 13000 direct ZEXUT and on track 161° to MARRI and hold.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

Procedure NA for arrivals on FMG VORTAC airway radials 332 CW 075.

(IAF) HALLE

(IAF) LIBGE 12000 230K

9500 167° (5.4)

8600 115° (10.7)

MSA RW17R 25 NM 12000

CEROX

8600 167° (2.2)

8600 254° (6)

(IF) ECOLO

(IAF) ROXJO 220K

7200 167° (8.8)

10000 341° (7)

5797

NUKOE

6900 (2) 6161

ETARE

5172

(FAF) UDADY

10000 356° (10.2)

10000 341° (27.8)

4701

5038±

4918

4778

5980±

MUSTANG FMG

RW17R

4634

4562

5995

5368

5027

CAXIL

5266

7805

7189

8366

8210

8760

8266

5672

5615

5000

6000

7000

8000

MISSED APCH FIX

ZEXUT

161° (31)

(not to scale)

MARRI

351° 171° 8 NM

ELEV 4415 D TDZE 4415

167°

17L 17R 11001 X 150 TWR 6102 X 150 9000 X 150 8 26 35R 35L

MIRL Rwy 8-26

REIL Rwys 8, 17L, 26, and 35R

HIRL Rwys 17R-35L and 17L-35R

13000	ZEXUT	tr 161°	MARRI

VGSI and RNAV glidepath not coincident (VGSI Angle 3.06/TCH 77).

ECOLO 8600

UDADY 6900

ETARE 7200

5.2 NM to RW17R

RW17R

6900

167°

GP 3.16° TCH 59

5.2 NM 2.1 NM 2 NM 8.8 NM

CATEGORY	A	B	C	D
LPV DA	5239-1⅞ 824 (900-1⅞)			
LNAV MDA	6200/40 1785 (1800-¾)	6200/55 1785 (1800-1)	6200-3 1785 (1800-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA AL-346 (FAA) 25107

RNAV (GPS) X RWY 35L

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	10011
347°	TDZE	4410
	Apt Elev	4415

RNP APCH - GPS.

T A -13°C Circling to Rwy 8 NA at night. Baro-VNAV NA. For inop ALS increase LNAV Cat A and B visibility to 1¼ SM. Inop table does not apply to LNAV Cats C and D.

MALSR

MISSED APPROACH: Climb to 11000 direct TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 250 feet per NM to 5600.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

MISSED APCH FIX

7 NM 347° 167° TAKLE

4918 4778 5980± 4634 4562 5995 7198 5368 RW35L 5027 5266 7077 5134 6862 7337 FEBAK 6.3 NM to RW35L 6278 10785 6997 6795± 9793 (FAF) KARME 7924 9240 8100 (2.5) ZEXUT 7280± 6619± 7708 VIKES 11000 179° (6.8) 8600 347° (5.8) 6024± (IF) JUKNU 9900 257° (7) (IAF) NIPME 250K 8343 MSA RW35L 25 NM 12000

Procedure NA for arrivals at SWR VOR/DME on V6 and T331 southwest bound.

Procedure NA for arrivals at RAMRE on V165 southbound.

PALISADES SWR 11400 091° (16.8)

9900 from PIDIC 347° (4.2) 9214 11400 to PIDIC (7) 077° 6991 (IAF) PIDIC 250K 9900 from SPOON 347° (4.4) 11500 to SPOON 347° (17.5) 9900 to JUKNU 323° (9.8) (IAF) RAMRE

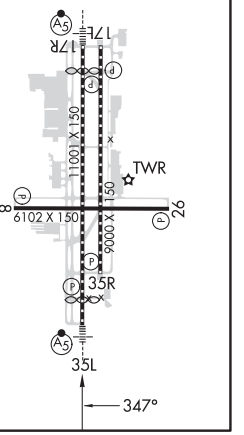
ZAPTU

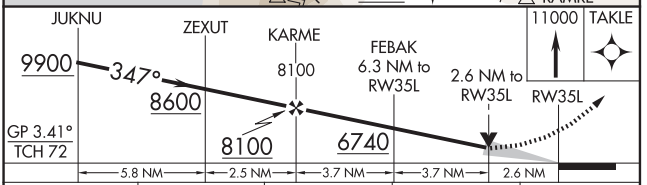
11400 to PIDIC 047° (13.5) RICHY (IAF) SPOON (IAF) TARVR 14000

Procedure NA for arrivals at RICHY on V28-113 southwest bound.

ELEV 4415 D TDZE 4410

HIRL Rwys 17R-35L and 17L-35R
REIL Rwys 8, 17L, 26, and 35R
MIRL Rwy 8-26





CATEGORY	A	B	C	D
LNAV/VNAV DA*	5480-4 1070 (1100-4)			
LNAV/VNAV DA	5521-4 1111 (1200-4)			
LNAV MDA*	5480-¾ 1070 (1100-¾)	5480-1 1070 (1100-1)	5480-2½ 1070 (1100-2½)	
LNAV MDA	5560-¾ 1150 (1200-¾)	5560-1 1150 (1200-1)	5560-3 1150 (1200-3)	
CIRCLING	5560-1¼ 1145 (1200-1¼)	5560-1½ 1145 (1200-1½)	6460-3 2045 (2100-3)	

RENO, NEVADA
Amdt 2A 07SEP23

39°30'N-119°46'W

RENO/TAHOE INTL (RNO)

RNAV (GPS) X RWY 35L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) X RWY 35R

RENO/TAHOE INTL (RNO)

APP CRS	Rwy Idg	9000
347°	TDZE	4408
	Apt Elev	4415

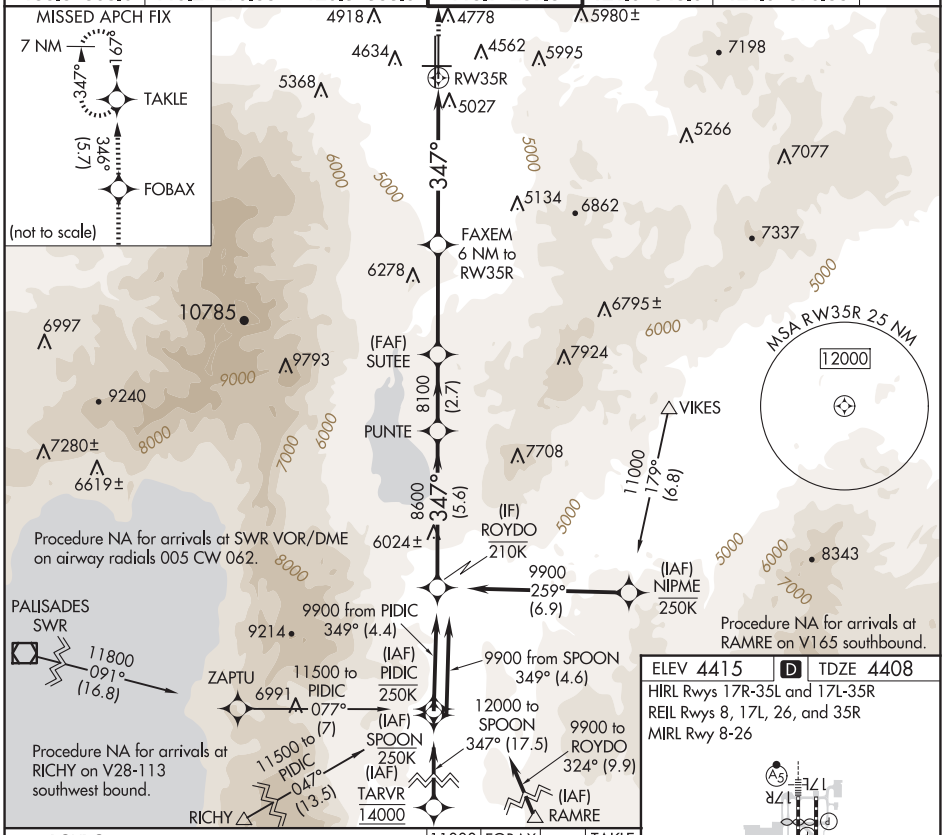
RNP APCH - GPS.

Circling Rwy 8 NA at night. Rwy 35R helicopter visibility reduction below ¾ SM NA.

-13°C Baro-VNAV NA.

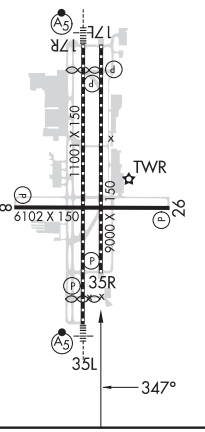
MISSED APPROACH: Climb to 11000 direct FOBAX and on track 346° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 250 feet per NM to 5600.

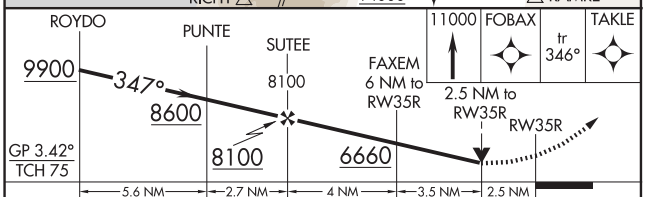
D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



ELEV 4415	D	TDZE 4408

HIRL Rwys 17R-35L and 17L-35R
REIL Rwys 8, 17L, 26, and 35R
MIRL Rwy 8-26





CATEGORY	A	B	C	D
LNAV/VNAV DA	5471-4	1063 (1100-4)		
LNAV MDA*	5380-1¼ 972 (1000-1¼)	5380-1½ 972 (1000-1½)	5380-3	972 (1000-3)
LNAV MDA	5500-1¼ 1092 (1100-1¼)	5500-1½ 1092 (1100-1½)	5500-3	1092 (1100-3)
C CIRCLING	5500-1¼ 1085 (1100-1¼)	5500-1½ 1085 (1100-1½)	6460-3	2045 (2100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA | AL-346 (FAA) | 25107

RNAV (GPS) Y RWY 35L

RENO/TAHOE INTL (RNO)

WAAS	APP CRS	Rwy Idg	10011
CH 82609	347°	TDZE	4410
W35A		Apt Elev	4415

RNP APCH - GPS.

T A -13°C

For inop ALS increase LPV all Cats visibility to 3 SM.

MALSR

MISSED APPROACH: Climb to 11000 direct ETARE and on track 347° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb to 260 feet per NM to 6860.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

MISSED APCH FIX

7 NM 347° 167° TAKLE

347° (19.1) ETARE

(not to scale)

4918 4778 5980± 4634 4562 5995 7198 5368 RW35L 5027 5266 7077 5134 6862 7337 6278 10785 6795± 6997 9793 7924 9240 7280± 6619± 7708 6024± 9214 6991

MSA RW35L 25 NM 12000

(FAF) EPOSE 8200 (2.6)

ZEXUT 8600 347° (5.8)

11000 179° (6.8) VIKES

(IF) JUKNU 9900 257° (7) (IAF) NIPME 250K

Procedure NA for arrivals at SWR VOR/DME on V6 and T331 southwest bound.

Procedure NA for arrivals at RAMRE on V165 southbound.

PALISADES SWR 11500 091° (16.8)

9900 from PIDIC 347° (4.2)

(IAF) PIDIC 250K

11500 to PIDIC 077° (7)

ZAPTU 210K

9900 from SPOON 347° (4.4)

11500 to SPOON 347° (17.5)

(IAF) SPOON

9900 to JUKNU 323° (9.8)

(IAF) RAMRE

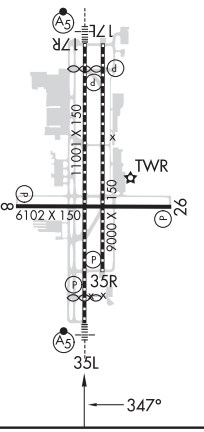
Procedure NA for arrivals at RICHY on V28-113 southwest bound.

11500 to PIDIC 047° (13.5) RICHY

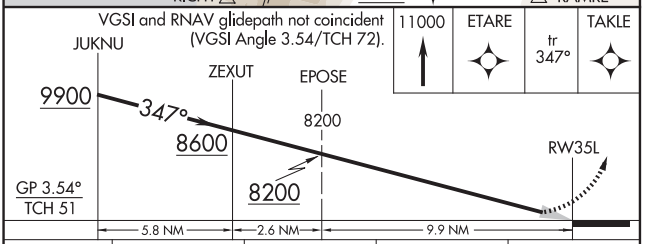
(IAF) TARVR 14000

ELEV 4415 | D | TDZE 4410

HIRL Rwys 17R-35L and 17L-35R
REIL Rwys 8, 17L, 26, and 35R
MIRL Rwy 8-26



VGSI and RNAV glidepath not coincident (VGSI Angle 3.54/TCH 72).



11000	ETARE	tr 347°	TAKLE

CATEGORY	A	B	C	D
LPV DA*	4740-½ 330 (400-½)			NA
LPV DA	5384-2½ 974 (1000-2½)			NA

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	9000
CH 40409	347°	TDZE	4408
W35B		Apt Elev	4415

RNAV (GPS) Y RWY 35R

RENO/TAHOE INTL (RNO)

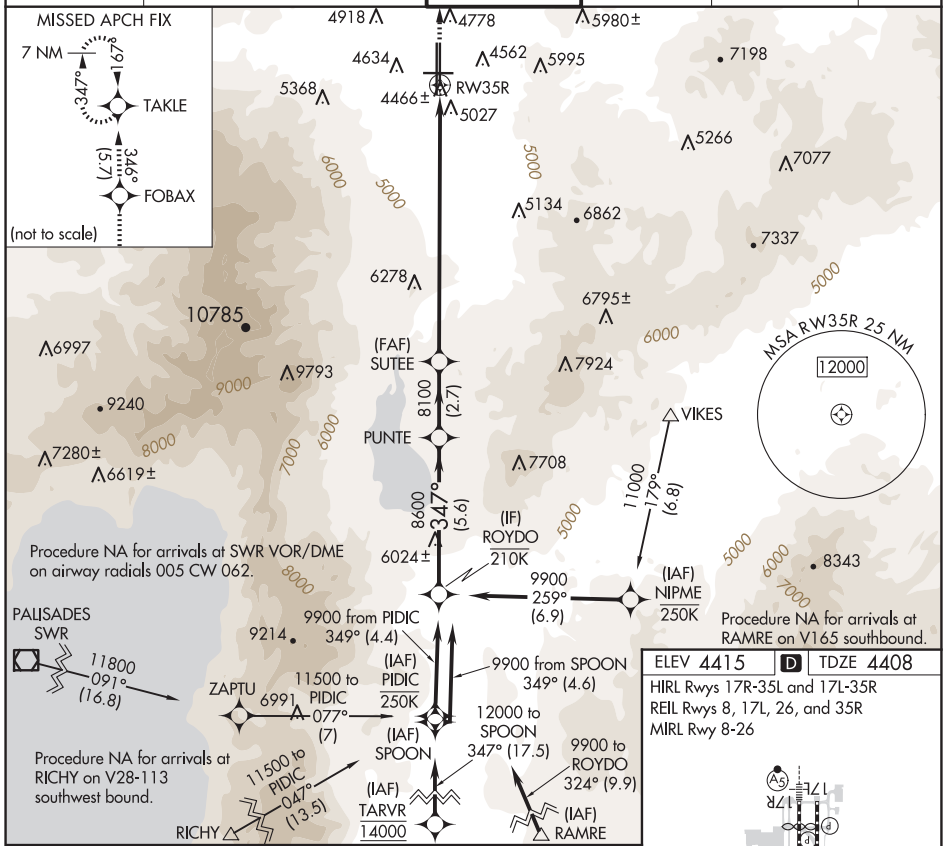
RNP APCH - GPS.

T
NA
-13°C

Rwy 35R helicopter visibility reduction below ¾ SM NA.

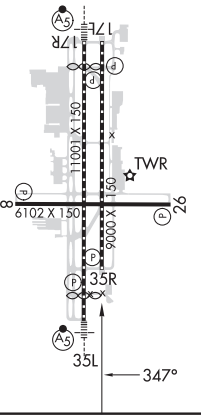
MISSED APPROACH: Climb to 11000 direct FOBAX and on track 346° to TAKLE and hold, continue climb-in-hold to 11000.
*Missed approach requires minimum climb of 250 feet per NM to 6100.

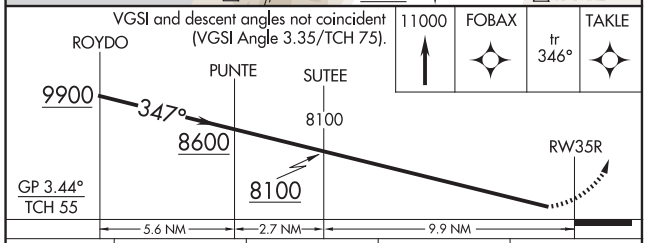
D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



ELEV 4415	D	TDZE 4408

HIRL Rwys 17R-35L and 17L-35R
REIL Rwys 8, 17L, 26, and 35R
MIRL Rwy 8-26





CATEGORY	A	B	C	D
LPV DA*	4780-1 372 (400-1)			
LPV DA	5379-3 971 (1000-3)			

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RENO, NEVADA

AL-346 (FAA)

25107

LOC Y RWY 17R

RENO/TAHOE INTL (RNO)

LOC/DME I-RNO	APP CRS		17R	17L
110.9	167°	Rwy Idg	10001	9000
Chan 46		TDZE	4415	4415
		Apt Elev	4415	4415

DME required.

Circling Rwy 8 NA at night. For inop ALS, increase S-LOC 17R* Cat E visibility to 3 SM. Circling NA for Cat E southwest of Rwys 8 and 35L.

-13°C

#Inop table does not apply to Cats C, D and E.

MALSR 17R

MISSED APPROACH: Climb to 6300 on heading 167° then climbing left turn 11000 direct FMG VORTAC and on FMG VORTAC R-017 to NICER INT and hold, continue climb-in-hold to 11000.

*Missed approach requires minimum climb of 320 feet per NM to 8000.

†Missed approach requires minimum climb of 260 feet per NM to 8000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	

ROUTING TO ROARS (not to scale)

(IAF) LIBGE

9200 167° (6.6)

I-RNO 27.4

12000 230K

ROARS I-RNO 20.9

SEE INSET FOR ROUTING TO ROARS

ROARS I-RNO 20.9

347°

8600 167° (4)

7189

(IF) WALAR I-RNO 16.9

7600 167° (4.1)

ZOMPO I-RNO 12.8

7400 (2)

DISCS I-RNO 10.8

5172

6161

HONEL I-RNO 8.2

MSA FMG 25 NM

10000 9600 12000

170° 070° 310°

8760

8266

5615 5672

5101±

WUMKA I-RNO 2.5

5038±

5196±

4918

4778

4701

5980±

4634

4562

5995

5368

5027

8444

LOCALIZER 110.9 I-RNO Chan 46

5797

8366

017° 197°

R-281 114.1 HZN Chan 88

NICER FMG 13.5

8210

R-017

MUSTANG 117.9 FMG Chan 126

7198

5000 6000 7000 8000

6300 hdg 167°

11000

FMG

FMG R-017

NICER

VGSI and descent angles not coincident (VGSI Angle 3.06/TCH 77).

WALAR I-RNO 16.9

DISCS I-RNO 10.8

ZOMPO I-RNO 12.8

HONEL I-RNO 8.2

WUMKA I-RNO 2.5

I-RNO 4.7

3.10° TCH 59

167° 8600

7400 7600

6540

0.6 2.2 NM 3.5 NM 2.6 NM 2 NM 4.1 NM

ELEV 4415 D

TDZE 17R 4415

TDZE 17L 4415

167°

17L 17R

11001 X 150

6102 X 150

9000 X 150

TWR

8 26

35R 35L

MIRL Rwy 8-26

REIL Rwys 8, 17L, 26 and 35R

HIRL Rwys 17R-35L and 17L-35R

CATEGORY	A	B	C	D	E
S-LOC 17R*	5420/40 1005 (1100-¾)	5420/55 1005 (1100-1)	5420-2½ 1005 (1100-2½)		
SIDESTEP 17L*#	5420-1¼ 1005 (1100-1¼)	5420-1½ 1005 (1100-1½)	5420-3 1005 (1100-3)		
S-LOC 17R†#	5720/40 1305 (1400-¾)	5720/55 1305 (1400-1)	5720-3 1305 (1400-3)		
S-LOC 17R#	5920/40 1505 (1600-¾)	5920/55 1505 (1600-1)	5920-3 1505 (1600-3)		6180-3 1765 (1800-3)
C CIRCLING	5920-1¼ 1505 (1600-1¼)	5920-1½ 1505 (1600-1½)	6480-3 2065 (2100-3)		6700-3 2285 (2300-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC FMG	APP CRS	Rwy Idg	N/A
117.9	239°	TDZE	N/A
Chan 126		Apt Elev	4415

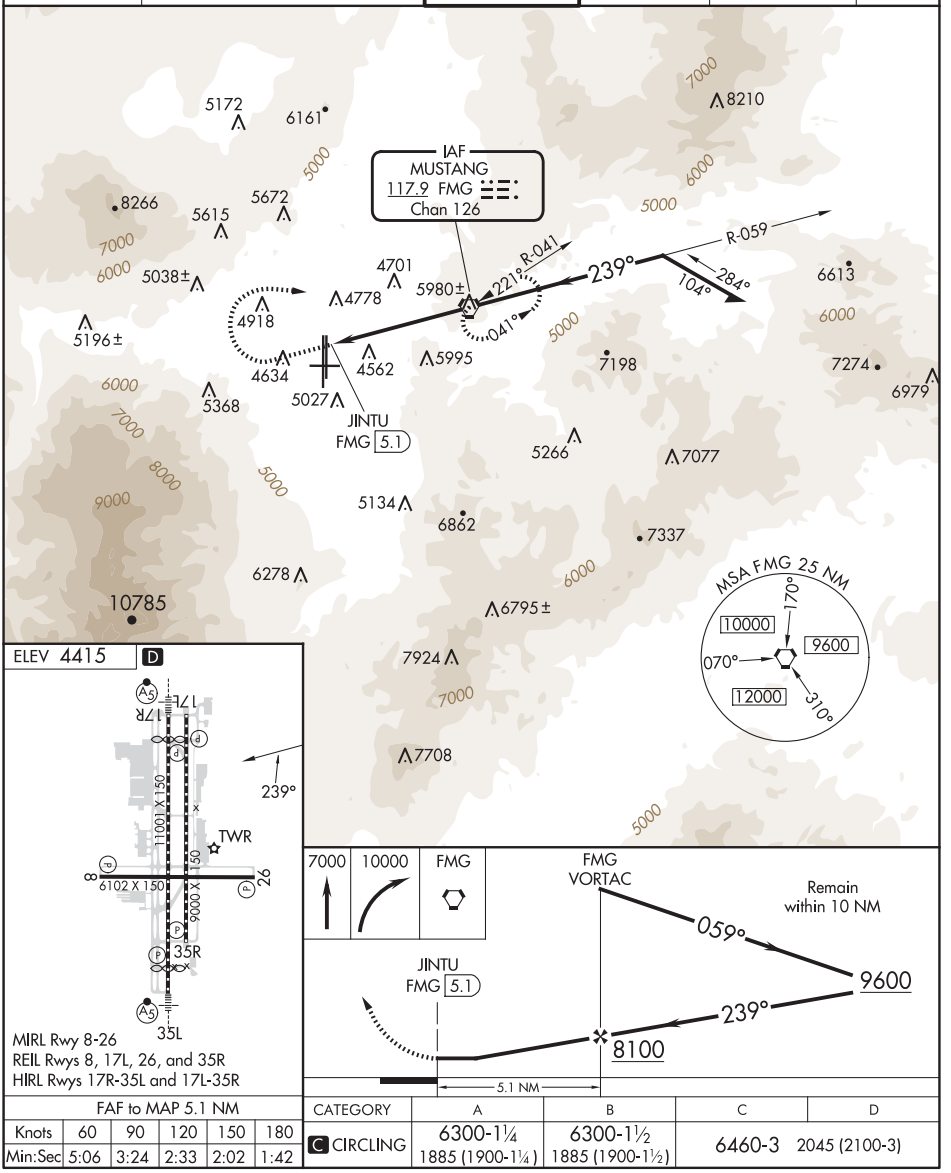
VOR-D

RENO/TAHOE INTL (RNO)

T A -13°C — Circling Rwy 8 NA at night.

MISSED APPROACH: Climb to 7000 then climbing right turn to 10000 direct FMG VORTAC and hold, continue climb-in-hold to 10000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	



MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

CATEGORY	A	B	C	D
C CIRCLING	6300-1¼ 1885 (1900-1¼)	6300-1½ 1885 (1900-1½)	6460-3	2045 (2100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

TACAN-F

RENO/TAHOE INTL (RNO)

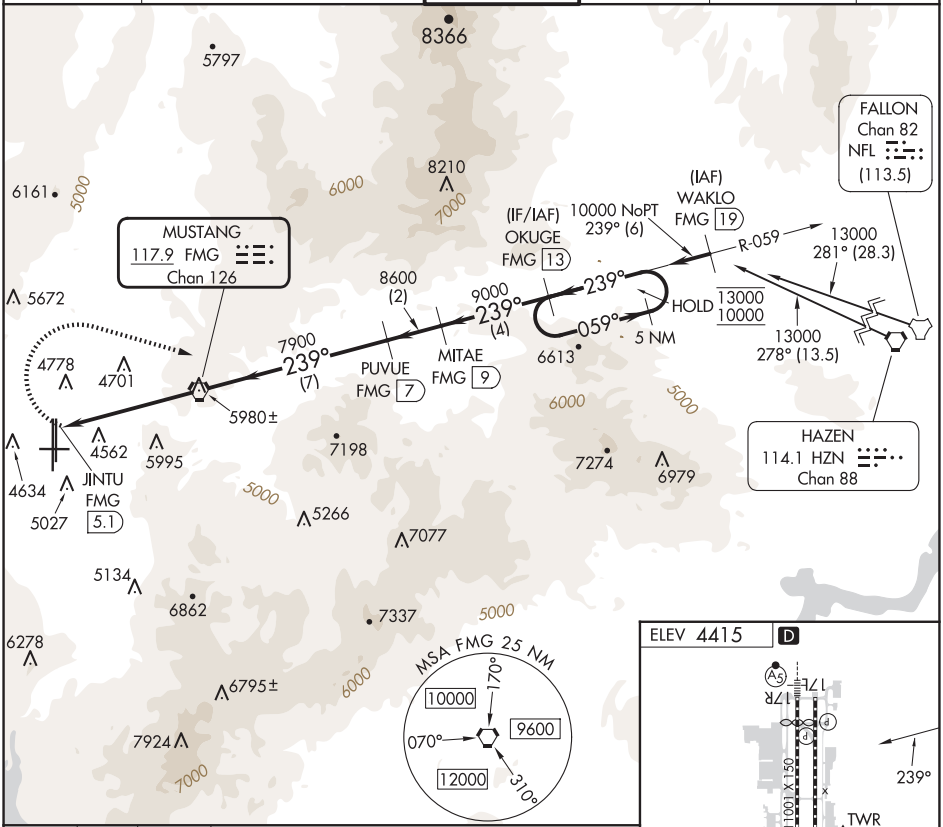
VORTAC	APP CRS	Rwy Idg	N/A
FMG 117.9 Chan 126	239°	TDZE	N/A
		Apt Elev	4415

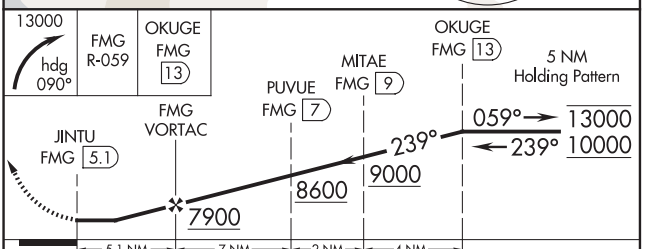
T A -13°C

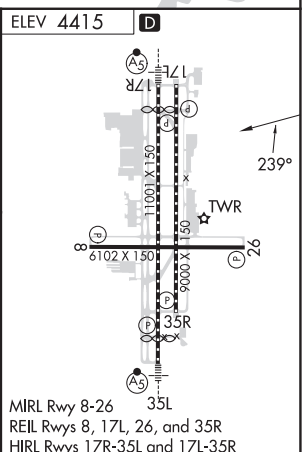
Circling NA for Cat E south of Rwy 8 and west of 35L.
Circling Rwy 8 NA at night. Approaches RADAR monitored by NORCAL APP CON. Arrivals from east and aircraft on missed approach may be vectored to final.
Circling NA for Cat E to Rwys 8 and 26.

MISSED APPROACH: Climbing right turn to 13000 on heading 090° and FMG R-059 to OKUGE/13 DME and hold, continue climb-in-hold to 13000.

D-ATIS	NORCAL APP CON	RENO TOWER	GND CON	CLNC DEL	CPDLC
135.8 363.0	119.2 279.55 126.3 353.9	118.7 257.8	121.9 348.6	124.9 370.85	





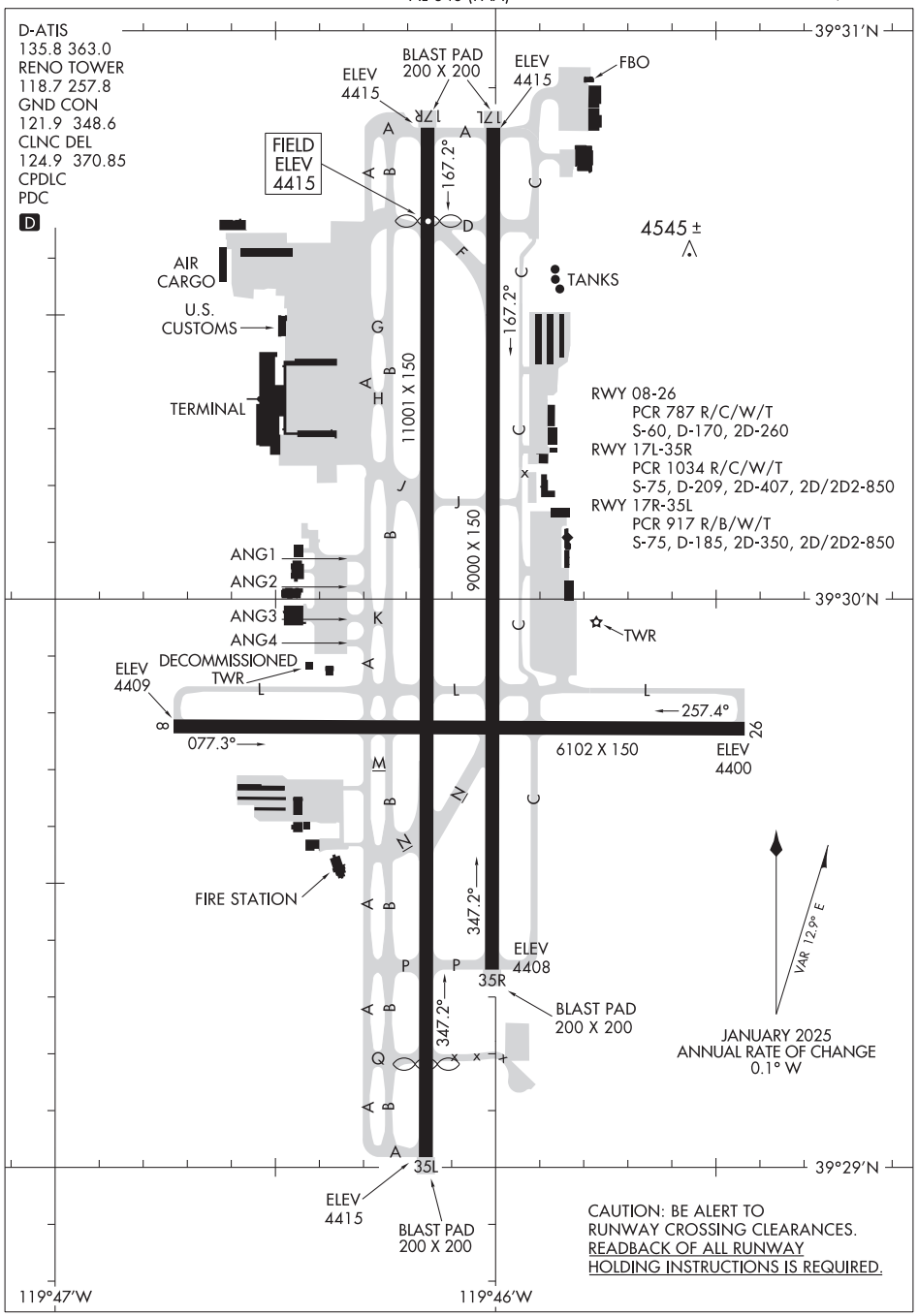


MIRL Rwy 8-26
REIL Rwys 8, 17L, 26, and 35R
HIRL Rwys 17R-35L and 17L-35R

CATEGORY	A	B	C	D	E
C CIRCLING	6220-1¼ 1805 (1900-1¼)	6220-1½ 1805 (1900-1½)	6460-3 2045 (2100-3)		

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025



AIRPORT DIAGRAM
25107
RENO, NEVADA
RENO/TAHOE INTL (RNO)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(SPRKS1.FMG) 24081

SPARKS ONE DEPARTURE (OBSTACLE)

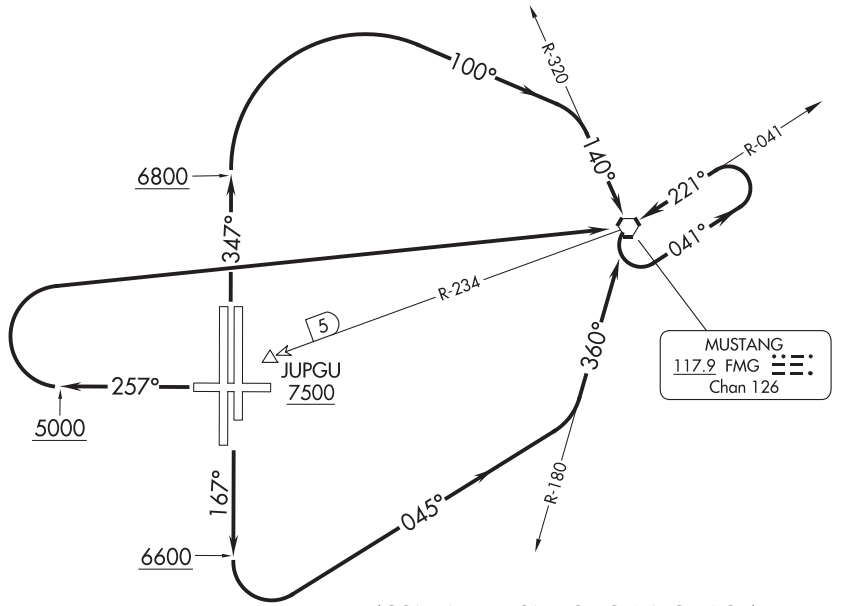
AL-346 (FAA)

RENO/TAHOE INTL (RNO)
RENO, NEVADA

NORCAL DEP CON
119.2 279.55 (17L/R)
126.3 353.9 (Rwys 26, 35L/R)

TAKEOFF MINIMUMS

Rwy 8: NA - Terrain.
Rwy 17L: 600-1⅜ with minimum climb of 415' per NM to 8700 or standard with minimum climb of 745' per NM to 7200, or 3200-3 for VCOA.
Rwy 17R: Standard with minimum climb of 420' per NM to 8700, or 3200-3 for VCOA.
Rwy 26: Standard with minimum climb of 485' per NM to 7900, or 3200-3 for VCOA.
Rwy 35L: Standard with minimum climb of 375' per NM to 8600, or 3200-3 for VCOA.
Rwy 35R: 400-1½ with a minimum climb of 270' per NM to 8600 or standard with a minimum climb of 420' per NM to 7400, or 3200-3 for VCOA.



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 17L/R: Climb on heading 167° to 6600, then climbing left turn heading 045° to intercept FMG VORTAC R-180 to FMG VORTAC, continue climb in FMG VORTAC holding pattern to cross FMG VORTAC at or above MEA/MCA for route of flight.

TAKEOFF RUNWAY 26: Climb on heading 257° to 5000, then climbing right turn direct FMG VORTAC, continue climb in FMG VORTAC holding pattern to cross FMG VORTAC at or above MEA/MCA for route of flight.

TAKEOFF RUNWAYS 35L/R: Climb on heading 347° to 6800, then climbing right turn heading 100° to intercept FMG VORTAC R-320 to FMG VORTAC, continue climb in FMG VORTAC holding pattern to cross FMG VORTAC at or above MEA/MCA for route of flight.

VCOA ALL RUNWAYS: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross JUPGU (FMG R-234/5 DME) at or above 7500 on FMG R-234 to FMG VORTAC, then continue climb in FMG VORTAC holding pattern to cross FMG VORTAC at or above MEA/MCA for route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF OBSTACLE NOTES

Rwy 17L: Building 78' from DER, 262' left of centerline, 8' AGL/4413' MSL.
Antenna 130' from DER, 379' right of centerline, 41' AGL/4444' MSL.
Tree 719' from DER, 555' left of centerline, 4434' MSL.
Tree 1055' from DER, 132' left of centerline, 4435' MSL.
Pole 1108' from DER, 487' left of centerline, 34' AGL/4445' MSL.
Pole, building beginning 1331' from DER, 458' left of centerline, up to 34' AGL/4446' MSL.
Pole 1428' from DER, 229' left of centerline, 36' AGL/4449' MSL.
Tree 1843' from DER, 132' left of centerline, 4456' MSL.
Tree 1879' from DER, 126' left of centerline, 4466' MSL.
Tower 2389' from DER, 975' left of centerline, 55' AGL/4469' MSL.
Tower 2747' from DER, 853' left of centerline, 66' AGL/4482' MSL.
Terrain 4845' from DER, 1693' left of centerline, 4546' MSL.
Terrain 5161' from DER, 1451' left of centerline, 4547' MSL.
Terrain beginning 5253' from DER, 1698' left of centerline, up to 4776' MSL.
Terrain 5470' from DER, 1838' left of centerline, 4846' MSL.
Terrain beginning 5524' from DER, 1371' left of centerline, up to 4919' MSL.
Terrain beginning 5702' from DER, 1691' left of centerline, up to 4926' MSL.
Terrain beginning 5874' from DER, 1768' left of centerline, up to 4953' MSL.
Terrain 1 NM from DER, 1981' left of centerline, 4837' MSL.

Rwy 17R: Lighting 10' from DER, 85' left of centerline, 1' AGL/4415' MSL.
Lighting 10' from DER, 85' right of centerline, 1' AGL/4415' MSL.
Tree 746' from DER, 379' left of centerline, 4435' MSL.
Trees beginning 1156' from DER, 772' left of centerline, up to 4456' MSL.
Tree 1306' from DER, 840' left of centerline, 4457' MSL.
Trees beginning 1409' from DER, 818' left of centerline, up to 4466' MSL.
Trees beginning 1593' from DER, 658' left of centerline, up to 4474' MSL.
Tree 1873' from DER, 936' left of centerline, 4475' MSL.
Tree 2164' from DER, 653' left of centerline, 4478' MSL.
Trees beginning 2783' from DER, 172' right of centerline, up to 4501' MSL.
Tree 3135' from DER, 590' right of centerline, 4507' MSL.
Tree 3285' from DER, 504' right of centerline, 4510' MSL.

Rwy 26: Lighting 9' from DER, 54' left of centerline, 1' AGL/4410' MSL.
Lighting 10' from DER, 54' right of centerline, 1' AGL/4410' MSL.
Pole 119' from DER, 464' left of centerline, 32' AGL/4440' MSL.
Pole, transmission line, fence beginning 142' from DER, 270' right of centerline, up to 30' AGL/4438' MSL.
Pole 499' from DER, 466' left of centerline, 39' AGL/4452' MSL.
Pole 1274' from DER, 469' left of centerline, 39' AGL/4458' MSL.
Pole 1369' from DER, 387' right of centerline, 27' AGL/4447' MSL.
Sign 1501' from DER, 206' right of centerline, 30' AGL/4448' MSL.
Tree 1618' from DER, 42' right of centerline, 4473' MSL.
Signs, trees beginning 1656' from DER, 66' left of centerline, up to 59' AGL/4482' MSL.
Tree 1663' from DER, 15' right of centerline, 4475' MSL.
Trees beginning 1664' from DER, 16' right of centerline, up to 4484' MSL.
Tree 1878' from DER, 28' left of centerline, 4483' MSL.
Trees beginning 1913' from DER, 162' left of centerline, up to 4484' MSL.
Trees beginning 1916' from DER, 20' left of centerline, up to 4487' MSL.
Trees beginning 2053' from DER, 25' left of centerline, up to 4497' MSL.
Tree 2099' from DER, 206' right of centerline, 4490' MSL.
Trees beginning 2102' from DER, 12' right of centerline, up to 4493' MSL.
Trees beginning 2255' from DER, 45' right of centerline, up to 4500' MSL.
Trees beginning 2268' from DER, 5' left of centerline, up to 4506' MSL.
Pole, tree beginning 2635' from DER, 114' right of centerline, up to 100' AGL/4527' MSL.
Antenna 3413' from DER, 298' left of centerline, 80' AGL/4514' MSL.

(CONTINUED ON FOLLOWING PAGE)

SW-4, 07 AUG 2025 to 02 OCT 2025

(CONTINUED)

TAKEOFF OBSTACLE NOTES

Rwy 35L: Lighting 10′ from DER, 85′ left of centerline, 2′ AGL/4416′ MSL.
Lighting 10′ from DER, 86′ right of centerline, 2′ AGL/4416′ MSL.
Sign 40′ from DER, 437′ right of centerline, 4′ AGL/4417′ MSL.
Lighting 999′ from DER, on centerline, 22′ AGL/4440′ MSL.
Antenna 1029′ from DER, 49′ left of centerline, 22′ AGL/4441′ MSL.
Antenna 1029′ from DER, 49′ right of centerline, 23′ AGL/4441′ MSL.
Pole 1176′ from DER, 629′ right of centerline, 32′ AGL/4451′ MSL.
Tree 1193′ from DER, 400′ left of centerline, 4454′ MSL.
Trees beginning 1216′ from DER, 227′ left of centerline, up to 4476′ MSL.
Tree 1229′ from DER, 349′ right of centerline, 4458′ MSL.
Trees beginning 1267′ from DER, 207′ right of centerline, up to 4465′ MSL.
Tree 1974′ from DER, 898′ right of centerline, 4469′ MSL.
Tree 2326′ from DER, 938′ right of centerline, 4473′ MSL.
Tree 2350′ from DER, 885′ right of centerline, 4474′ MSL.
Trees beginning 2489′ from DER, 178′ right of centerline, up to 4493′ MSL.
Trees, poles beginning 2528′ from DER, 16′ right of centerline, up to 4498′ MSL.
Trees beginning 2789′ from DER, 69′ left of centerline, up to 4490′ MSL.
Trees beginning 2877′ from DER, 292′ left of centerline, up to 4492′ MSL.

Rwy 35R: Sign 40′ from DER, 262′ left of centerline, 4′ AGL/4417′ MSL.
Building 87′ from DER, 272′ right of centerline, 7′ AGL/4420′ MSL.
Lighting 999′ from DER, 699′ left of centerline, 22′ AGL/4440′ MSL.
Antennas beginning 1028′ from DER, 649′ left of centerline, up to 22′ AGL/4441′ MSL.
Poles beginning 1066′ from DER, 165′ right of centerline, up to 40′ AGL/4458′ MSL.
Pole 1176′ from DER, 70′ left of centerline, 32′ AGL/4451′ MSL.
Tree 1229′ from DER, 349′ left of centerline, 4458′ MSL.
Tree 1267′ from DER, 492′ left of centerline, 4465′ MSL.
Trees beginning 1711′ from DER, 255′ right of centerline, up to 4466′ MSL.
Tree 1973′ from DER, 198′ right of centerline, 4469′ MSL.
Trees beginning 1991′ from DER, 186′ right of centerline, up to 4491′ MSL.
Trees, pole beginning 2489′ from DER, 361′ right of centerline, up to 4493′ MSL.
Tree 2505′ from DER, 520′ left of centerline, 4480′ MSL.
Trees, pole beginning 2528′ from DER, 201′ left of centerline, up to 4498′ MSL.
Pole 2815′ from DER, 531′ right of centerline, 82′ AGL/4497′ MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

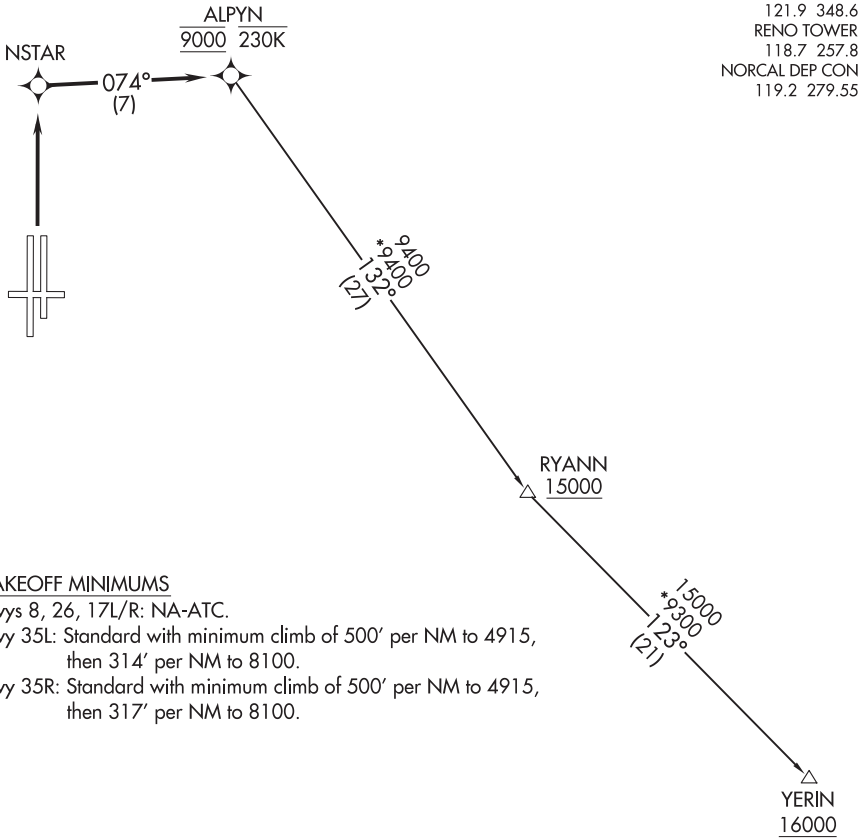
ALPYN ONE DEPARTURE (RNAV)

AL-346 (FAA)

TOP ALTITUDE: FL190

RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS equipped aircraft.

D-ATIS 135.8 363.0
CLNC DEL 124.9 370.85
CPDLC
GND CON 121.9 348.6
RENO TOWER 118.7 257.8
NORCAL DEP CON 119.2 279.55



TAKEOFF MINIMUMS
Rwys 8, 26, 17L/R: NA-ATC.
Rwy 35L: Standard with minimum climb of 500′ per NM to 4915, then 314′ per NM to 8100.
Rwy 35R: Standard with minimum climb of 500′ per NM to 4915, then 317′ per NM to 8100.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 35L/R: Climb direct NSTAR, then on track 074° to cross ALPYN at 9000 and at or below 230K, thence . . . .

. . . .on YERIN transition maintain FL190 or assigned altitude. Expect filed altitude 5 minutes after departure.

YERIN TRANSITION (ALPYN1.YERIN)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(FMG1.FMG) 24081

MUSTANG ONE DEPARTURE

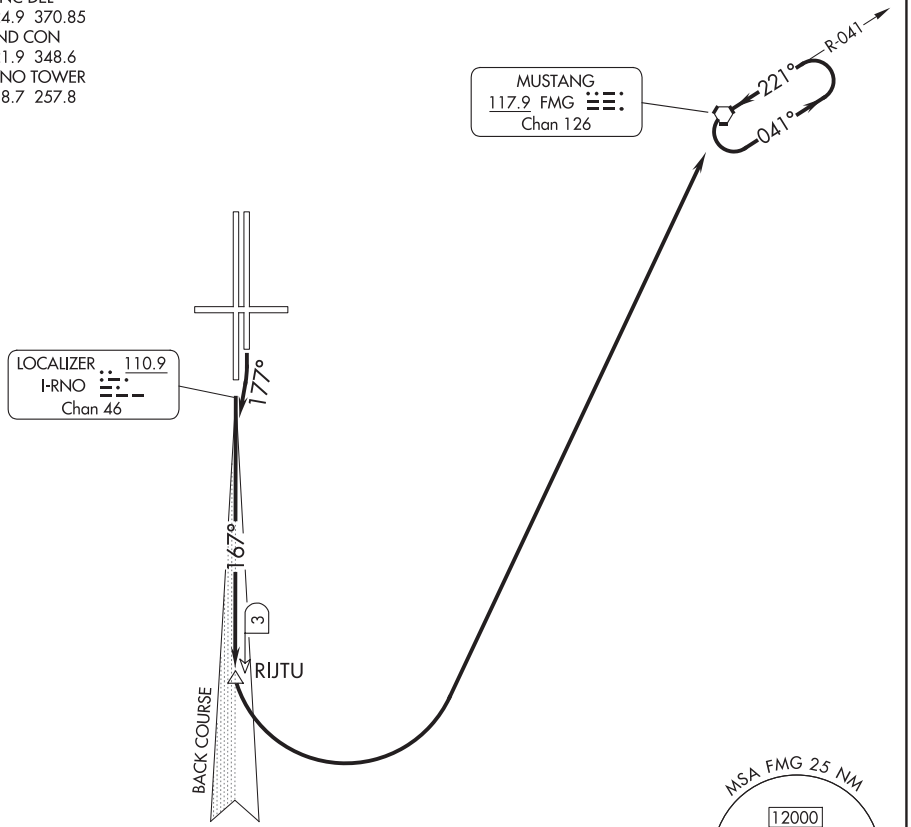
AL-346 (FAA)

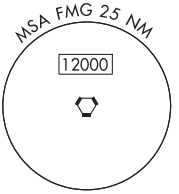
RENO/TAHOE INTL (RNO)
RENO, NEVADA

NORCAL DEP CON
119.2 279.55
D-ATIS
135.8 363.0
CLNC DEL
124.9 370.85
GND CON
121.9 348.6
RENO TOWER
118.7 257.8

DME required.

TOP ALTITUDE: 10000





NOTE: Chart not to scale.

TAKEOFF MINIMUMS
Rwy 8: NA- obstacles.
Rwy 17L: Standard with minimum climb of 740' per NM to 8000 or, 600-1¼ with minimum climb of 525' per NM to 8000.
Rwy 17R: Standard with minimum climb of 740' per NM to 8000 or, 600-1¼ with minimum climb of 525' per NM to 8000.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17L: Climbing right turn heading 177° to 10000 or assigned altitude, to intercept I-RNO south course to RIJTU/3 DME, thence . . .

TAKEOFF RUNWAY 17R: Climb on heading 167° to 10000 or assigned altitude, on I-RNO south course to RIJTU/3 DME, thence . . .

. . . .Left turn direct FMG VORTAC. Climb in FMG holding pattern to depart FMG VORTAC at or above MEA/MCA for direction of flight. Expect filed altitude within 5 minutes after departure.

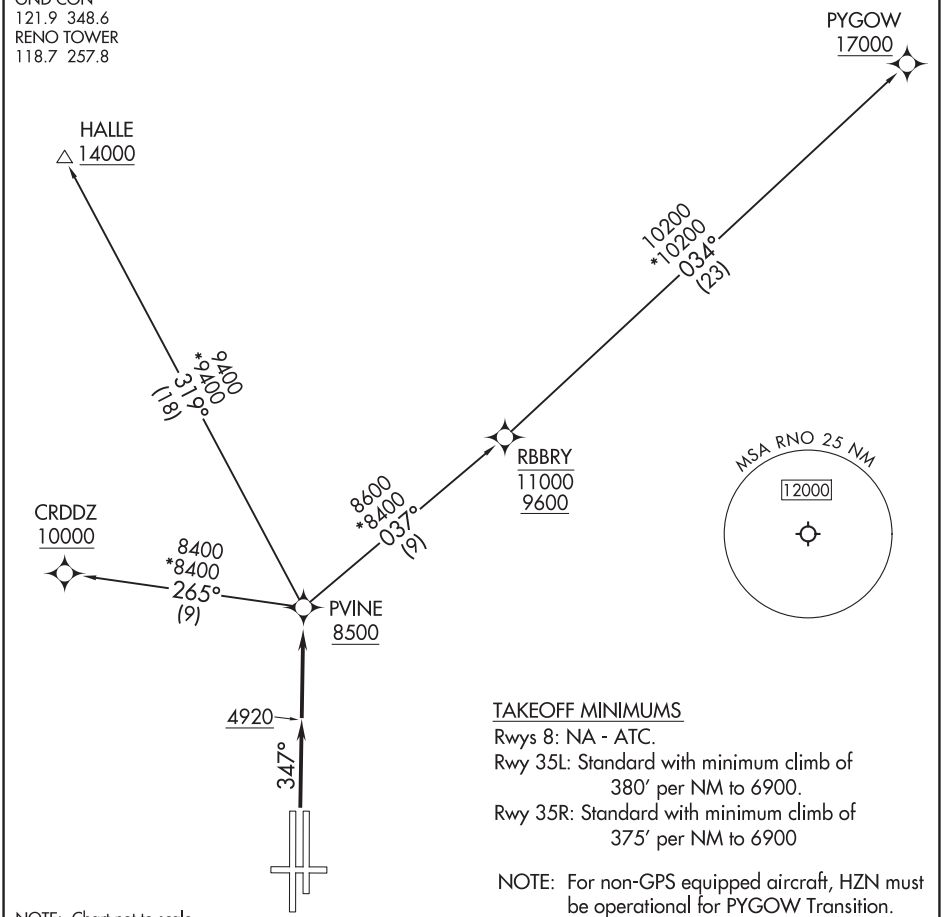
PVINE FIVE DEPARTURE (RNAV)

AL-346 (FAA)

NORCAL DEP CON
126.3 353.9
D-ATIS
135.8 363.0
CLNC DEL
124.9 370.85
GND CON
121.9 348.6
RENO TOWER
118.7 257.8

RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS equipped aircraft.

TOP ALTITUDE: FL190



NOTE: Chart not to scale.

TAKEOFF MINIMUMS
Rwys 8: NA - ATC.
Rwy 35L: Standard with minimum climb of 380′ per NM to 6900.
Rwy 35R: Standard with minimum climb of 375′ per NM to 6900

NOTE: For non-GPS equipped aircraft, HZN must be operational for PYGOW Transition.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 35L/R: Climb on heading 347° to 4920, then direct PVINE, thence. . . .

. . . .Maintain FL190 or assigned altitude. Expect filed altitude 5 minutes after departure.

CRDDZ TRANSITION (PVINE5.CRDDZ)
HALLE TRANSITION (PVINE5.HALLE)
PYGOW TRANSITION (PVINE5.PYGOW)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(RENO1.FMG) 24081

RENO ONE DEPARTURE

AL-346 (FAA)

RENO/TAHOE INTL (RNO)
RENO, NEVADA

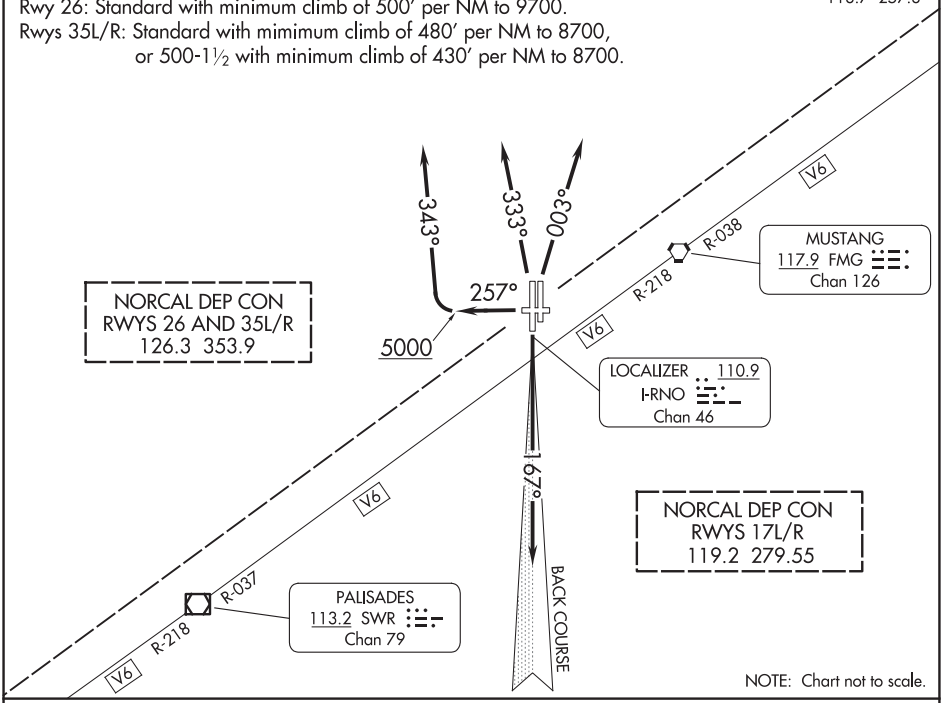
TAKEOFF MINIMUMS

RADAR required.

TOP ALTITUDE: FL190

D-ATIS 135.8 363.0
CLNC DEL 124.9 370.85
CPDLC
GND CON 121.9 348.6
RENO TOWER 118.7 257.8

Rwy 8: NA- Obstacles.
Rwy 17L: Standard with minimum climb of 730′ per NM to 10900, or 600-1¼ with minimum climb of 352′ per NM to 10900.
Rwy 17R: Standard with minimum climb of 460′ per NM to 10900, or 300-1 with minimum climb of 395′ per NM to 10900.
Rwy 26: Standard with minimum climb of 500′ per NM to 9700.
Rwys 35L/R: Standard with mimimum climb of 480′ per NM to 8700, or 500-1½ with minimum climb of 430′ per NM to 8700.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 17L/R: Climb on heading 167° and I-RNO localizer south course. Thence. . . .

TAKEOFF RUNWAY 26: Climb on heading 257° to 5000 then climbing right turn heading 343°. Thence. . . .

TAKEOFF RUNWAYS 35L/R: Climb on heading 333° CW 003° as assigned by ATC. Thence. . . .

. . . .All aircraft maintain FL190 or assigned altitude. Expect filed altitude within 5 minutes after departure. Expect RADAR vectors to assigned route/fix.

LOST COMMUNICATIONS: If not in contact with departure control within one minute after takeoff, maintain assigned heading until passing 10000, thence. . . .

RUNWAYS 17L/R DEPARTURES: Turn left direct FMG VORTAC, then on assigned route.

RUNWAYS 26 and 35L/R DEPARTURES: Turn right direct FMG VORTAC, then on assigned route.

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE:
FL190
NORCAL DEP CON
119.2 279.55
D-ATIS
135.8 363.0
CLNC DEL
124.9 370.85
GND CON
121.9 348.6
RENO TOWER
118.7 257.8
LOVELOCK
116.5 LLC
Chan 112
HAZEN
114.1 HZN
Chan 88
MUSTANG
117.9 FMG
Chan 126
LOCALIZER 110.9
I-RNO
Chan 46
PALISADES
113.2 SWR
Chan 79
MSA FMG 25 NM
12000
R-206
R-220
R-131
R-182
R-062
177°
167°
15000
*13000
1050
(14)
15000
*9600
026°
(63)
13
2b
JERGA
WAGGE
BACK COURSE
N
NOTE: Chart not to scale.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAY 17L: Climbing right turn heading 177° to intercept I-RNO south course to WAGGE INT, thence. . . .
TAKEOFF RUNWAY 17R: Climb on heading 167° and I-RNO south course to WAGGE INT, thence. . . .
. . . .on (transition) or assigned route. All aircraft maintain FL190 or assigned altitude. Expect filed altitude within 5 minutes after departure.
LOVELOCK TRANSITION (WAGGE8.LLC): From over WAGGE INT on HZN R-230 to JERGA INT, then on LLC R-206 to LLC VORTAC.
TAKEOFF MINIMUMS
Rwy 8: NA- Obstacles.
Rwy 17L: Standard with minimum climb of 743' per NM to 8000.
Rwy 17R: Standard with minimum climb of 372' per NM to 9200.

(ZEFFR9.ZEFFR) 24193

ZEFFR NINE DEPARTURE (RNAV)

AL-346 (FAA)

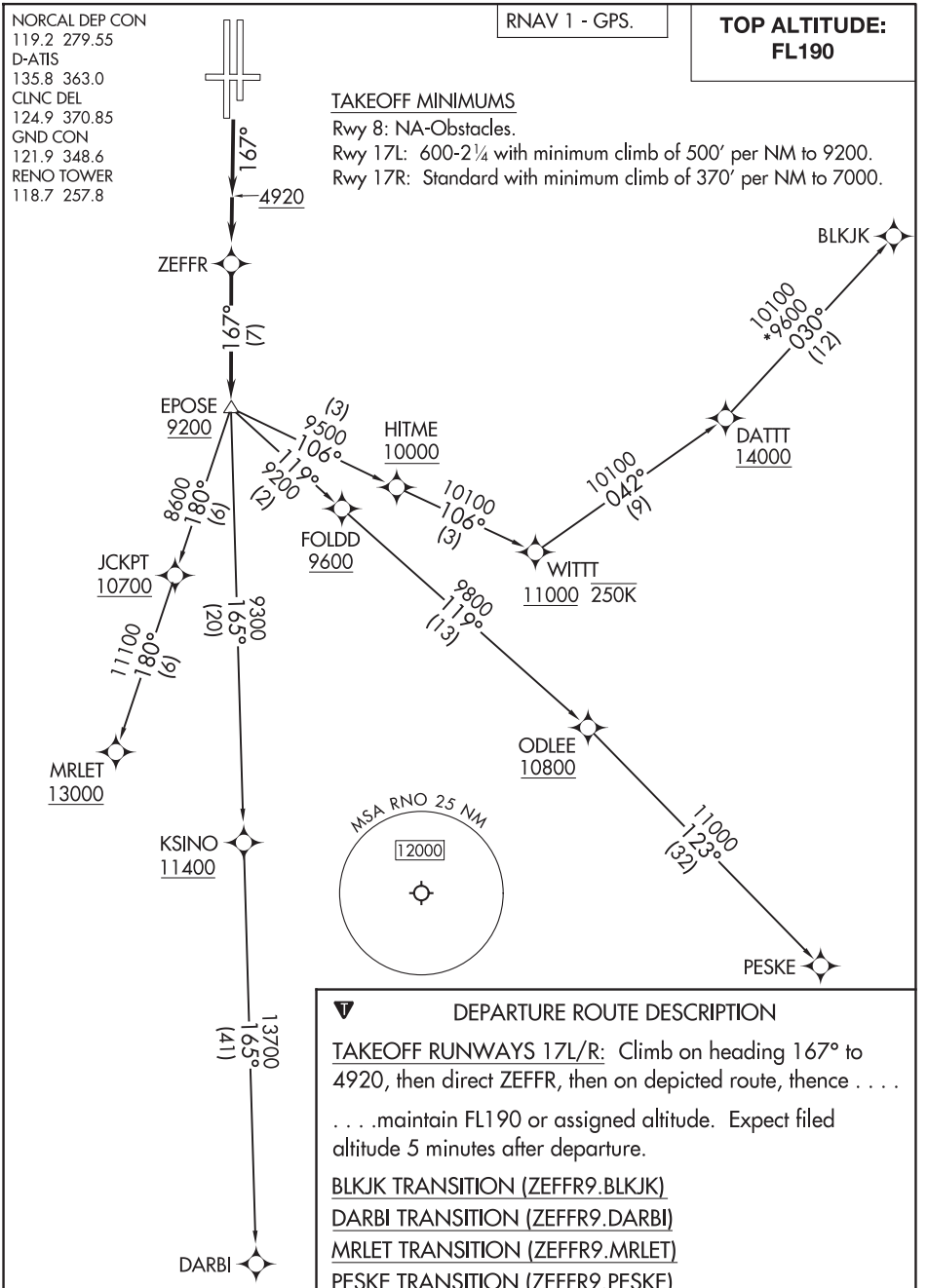
RENO/TAHOE INTL (RNO)
RENO, NEVADA

NORCAL DEP CON
119.2 279.55
D-ATIS
135.8 363.0
CLNC DEL
124.9 370.85
GND CON
121.9 348.6
RENO TOWER
118.7 257.8

RNAV 1 - GPS.

TOP ALTITUDE: FL190

TAKEOFF MINIMUMS
Rwy 8: NA-Obstacles.
Rwy 17L: 600-2¼ with minimum climb of 500' per NM to 9200.
Rwy 17R: Standard with minimum climb of 370' per NM to 7000.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 17L/R: Climb on heading 167° to 4920, then direct ZEFFR, then on depicted route, thence . . . .

. . . .maintain FL190 or assigned altitude. Expect filed altitude 5 minutes after departure.

BLKJK TRANSITION (ZEFFR9.BLKJK)
DARBI TRANSITION (ZEFFR9.DARBI)
MRLET TRANSITION (ZEFFR9.MRLET)
PESKE TRANSITION (ZEFFR9.PESKE)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 19

RICHFIELD MUNI (RIF)

WAAS CH 70537 W19A	APP CRS 207°	Rwy Ldg 7100 TDZE 5286 Apt Elev 5318

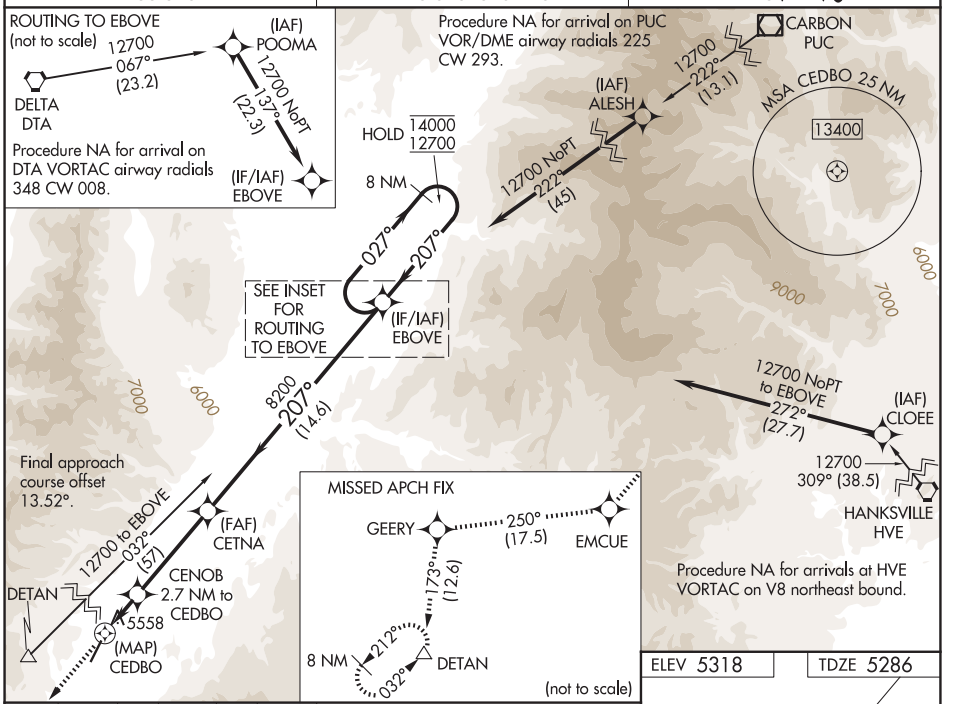
RNP APCH-GPS.

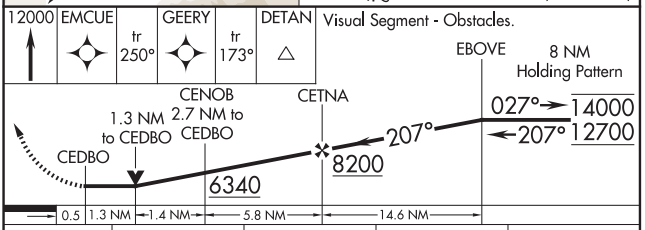
T NA -11°C

Rwy 19 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, procedure NA.

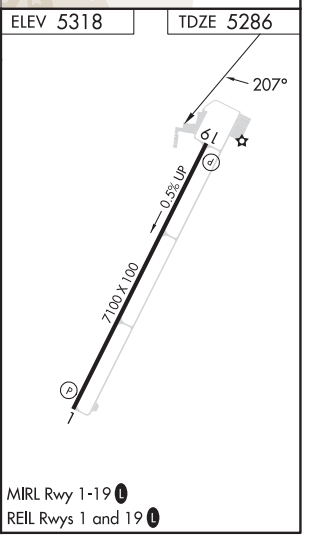
MISSED APPROACH: Climb to 12000 direct EMCUE, and track 250° to GEERY, and track 173° to DETAN and hold.
*Missed approach requires minimum climb of 380 feet per NM to 9600.
#Missed approach requires minimum climb of 390 feet per NM to 9600.

AWOS-3	SALT LAKE CITY CENTER	UNICOM
133.375	125.575 379.275	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA*	5880-1 594 (600-1)		5880-1¾ 594 (600-1¾)	NA
LP MDA	7340-1¼ 2054 (2100-1¼)	7340-1½ 2054 (2100-1½)	7340-3 2054 (2100-3)	NA
LNAV MDA#	6340-1¼ 1054 (1100-1¼)	6340-1½ 1054 (1100-1½)	6340-3 1054 (1100-3)	NA
LNAV MDA	7440-1¼ 2154 (2200-1¼)	7440-1½ 2154 (2200-1½)	7440-3 2154 (2200-3)	NA
CIRCLING	7440-1¼ 2122 (2200-1¼)	7440-1½ 2122 (2200-1½)	7440-3 2122 (2200-3)	NA



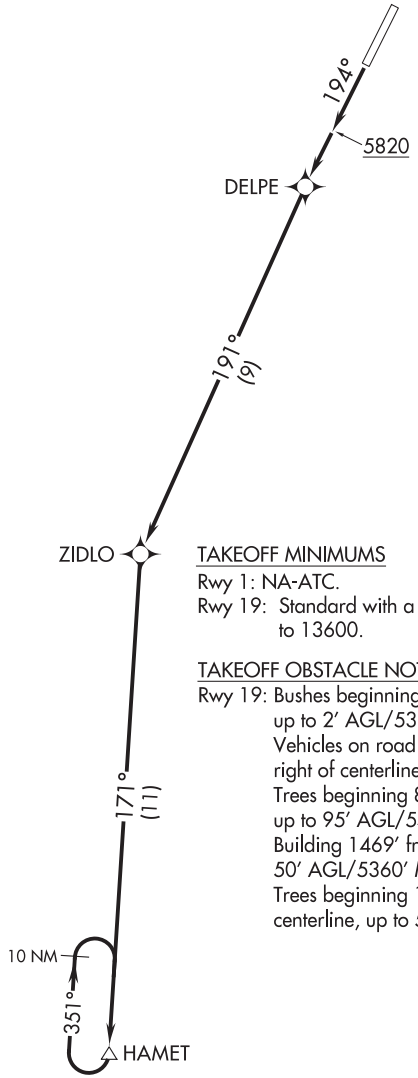
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(HAMET3.HAMET) 19059 AL-9434 (FAA)

HAMET THREE DEPARTURE (OBSTACLE) (RNAV)

RICHFIELD MUNI (RIF)
RICHFIELD, UTAH

SALT LAKE CITY CENTER
125.575 379.275
UNICOM
122.8 (CTAF)
AWOS-3
133.375



NOTE: RNAV 1.

NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 1: NA-ATC.

Rwy 19: Standard with a minimum climb of 385′ per NM to 13600.

TAKEOFF OBSTACLE NOTES

Rwy 19: Bushes beginning 74′ from DER, 322′ right of centerline, up to 2′ AGL/5326′ MSL.
Vehicles on road beginning 347′ from DER, left and right of centerline, up to 15′ AGL/5352′ MSL.
Trees beginning 831′ from DER, 695′ left of centerline, up to 95′ AGL/5414′ MSL.
Building 1469′ from DER, 660′ right of centerline, 50′ AGL/5360′ MSL.
Trees beginning 1604′ from DER, 475′ right of centerline, up to 57′ AGL/5397′ MSL.

NOTE: Chart not to scale.

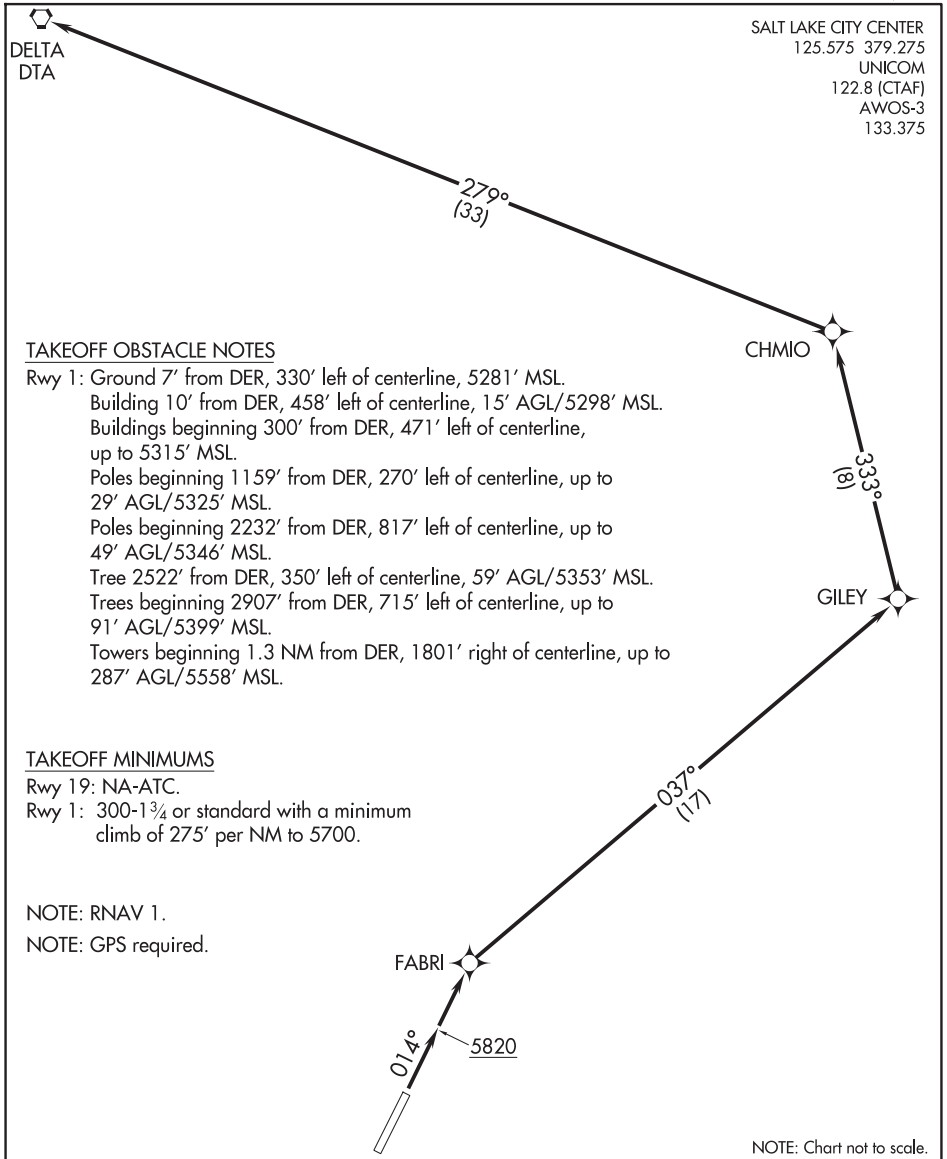
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 19: Climb heading 194° to 5820, then direct DELPE, then on track 191° to ZIDLO, then on track 171° to HAMET. Thence. . . .

. . . .climb in holding pattern to 16000 before proceeding on course. Expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RICHFIELD TWO DEPARTURE (OBSTACLE) (RNAV)



TAKEOFF OBSTACLE NOTES

Rwy 1: Ground 7′ from DER, 330′ left of centerline, 5281′ MSL.
Building 10′ from DER, 458′ left of centerline, 15′ AGL/5298′ MSL.
Buildings beginning 300′ from DER, 471′ left of centerline, up to 5315′ MSL.
Poles beginning 1159′ from DER, 270′ left of centerline, up to 29′ AGL/5325′ MSL.
Poles beginning 2232′ from DER, 817′ left of centerline, up to 49′ AGL/5346′ MSL.
Tree 2522′ from DER, 350′ left of centerline, 59′ AGL/5353′ MSL.
Trees beginning 2907′ from DER, 715′ left of centerline, up to 91′ AGL/5399′ MSL.
Towers beginning 1.3 NM from DER, 1801′ right of centerline, up to 287′ AGL/5558′ MSL.

TAKEOFF MINIMUMS

Rwy 19: NA-ATC.
Rwy 1: 300-1¾ or standard with a minimum climb of 275′ per NM to 5700.

NOTE: RNAV 1.

NOTE: GPS required.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 014° to 5820, then direct to FABRI, then on track 037° to GILEY, then on track 333° to CHMIO, then on track 279° to DTA VORTAC. Thence. . . .

. . . .climb to 10300. Expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ROOSEVELT, UTAH | AL-6419 (FAA) | 23110

RNAV (GPS) RWY 25

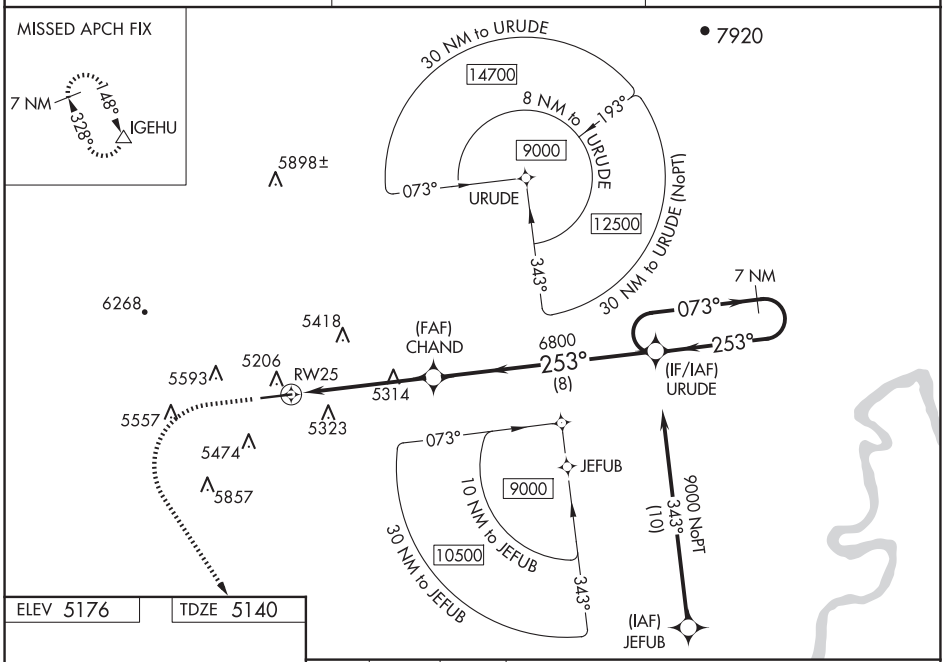
ROOSEVELT MUNI (74V)

WAAS	APP CRS	Rwy Idg	6501
CH 86539	253°	TDZE	5140
W25A		Apt Elev	5176

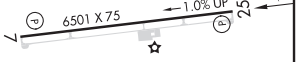
NA — For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -25°C (-13°F) or above 48°C (119°F). Baro-VNAV and VDP NA when using Vernal altimeter setting. DME/DME RNP-0.3 NA. When local altimeter setting not received, use Vernal altimeter setting: increase LPV DA to 5466 and visibility ⅛ SM, LNAV/VNAV DA to 5628 and visibility ¼ SM; increase all MDAs 80 feet and LNAV visibility Cat C and D ⅛ SM and Circling Cat C visibility ¼ SM.

MISSED APPROACH: Climb to 5700 then climbing left turn to 10500 direct IGEHU and hold, continue climb-in-hold to 10500.

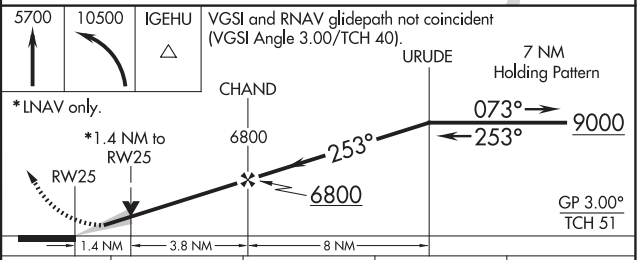
AWOS-3P	SALT LAKE CENTER	UNICOM
118.975	135.77 257.7	122.8 (CTAF) L



ELEV 5176 | TDZE 5140



MIRL Rwy 7-25 L
REIL Rwys 7 and 25 L



CATEGORY	A	B	C	D
LPV DA	5390-1 250 (300-1)			
LNAV/VNAV DA	5552-1½ 412 (400-1½)			
LNAV MDA	5580-1 440 (500-1)		5580-1¼ 440 (500-1¼)	
C CIRCLING	5740-1 564 (600-1)	5900-1 724 (800-1)	6020-2½ 844 (900-2½)	6340-3 1164 (1200-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR/DME MTU	APP CRS	Rwy Idg	N/A
112.7	010°	TDZE	N/A
Chan 74		Apt Elev	5176

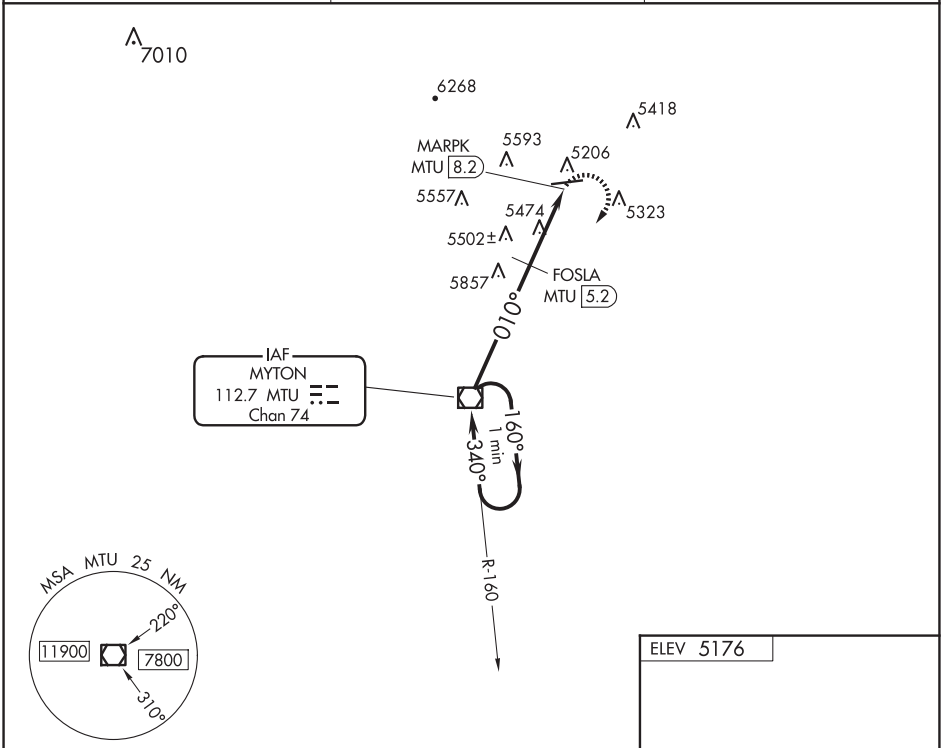
VOR-A

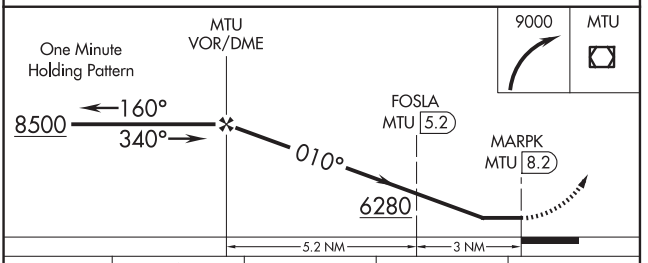
ROOSEVELT MUNI (74V)

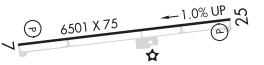
T
A NA — When local altimeter setting not received, use Vernal altimeter setting and increase all MDA 80 feet, FOSLA fix minimums, increase Cat C visibility ¼ SM.

MISSED APPROACH: Climbing right turn to 9000 direct MTU VOR/DME and hold, continue climb-in-hold to 9000.

AWOS-3P	SALT LAKE CENTER	UNICOM
118.975	135.77 257.7	122.8 (CTAF) L







ELEV 5176

010°

MIRL Rwy 7-25 L
REIL Rwys 7 and 25 L

CATEGORY	A	B	C	D
C CIRCLING	6280-1¼ 1104 (1200-1¼)	6280-1½ 1104 (1200-1½)	6280-3 1104 (1200-3)	6340-3 1164 (1200-3)
FOSLA FIX MINIMUMS				
C CIRCLING	5760-1 584 (600-1)	5900-1 724 (800-1)	6020-2½ 844 (900-2½)	6340-3 1164 (1200-3)

FAF to MAP 8.2 NM

Knots	60	90	120	150	180
Min:Sec	8:12	5:28	4:06	3:17	2:44

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SAFFORD, ARIZONA | AL-789 (FAA) | 24305

WAAS	APP CRS	Rwy Idg	6007
CH 69516	123°	TDZE	3167
W12A		Apt Elev	3178

RNAV (GPS) RWY 12

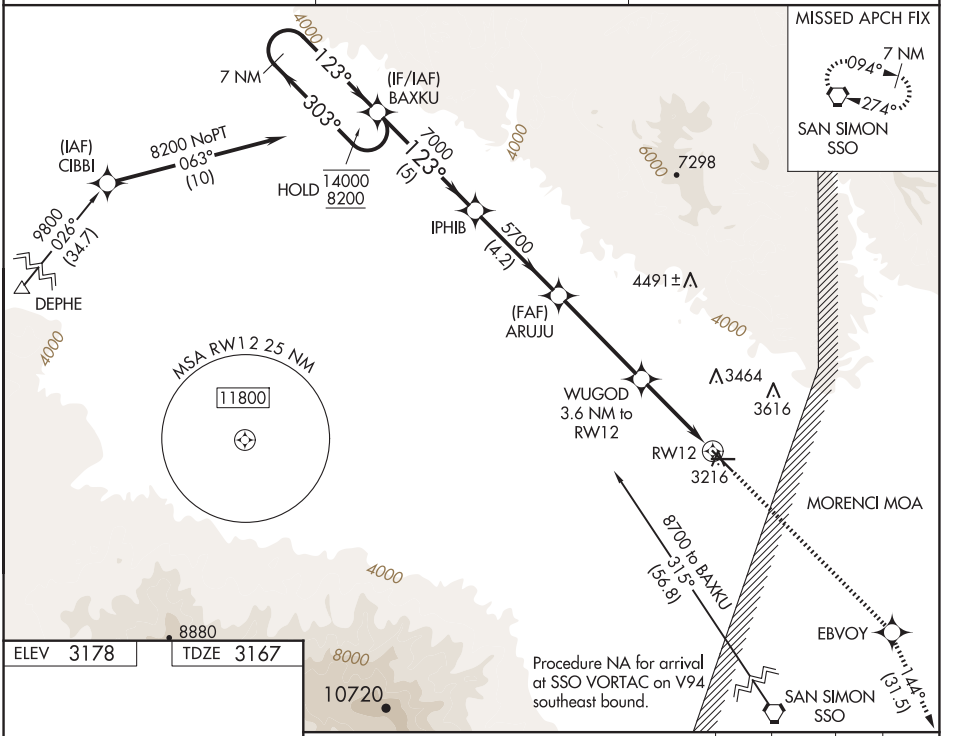
SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)

RNP APCH - GPS.

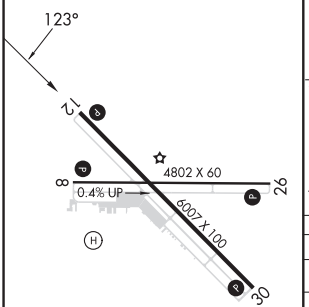
Circling to Rwy 8 NA at night. Circling NA northeast of Rwy 12 and north of Rwy 26. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C or above 54°C.

MISSED APPROACH: Climb to 10000 direct EBVOY and on track 144° to SSO VORTAC and hold.

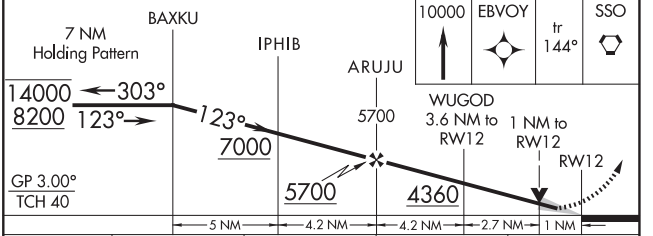
ASOS	ALBUQUERQUE CENTER	UNICOM
124.175	134.45 327.15	122.8 (CTAF) L



ELEV 3178 | TDZE 3167



REIL Rwys 8, 12, 26, and 30 L
MIRL Rwys 8-26 and 12-30 L



CATEGORY	A	B	C	D
LPV DA	3417-¾ 250 (300-¾)			
LNAV/VNAV DA	3417-¾ 250 (300-¾)			
LNAV MDA	3520-1 353 (400-1)			
CIRCLING	3580-1 402 (500-1)	3640-1 462 (500-1)	3640-1½ 462 (500-1½)	3900-2¼ 722 (800-2¼)

SAFFORD, ARIZONA
Amdt 1 30NOV23

SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)
32°51'N-109°38'W
RNAV (GPS) RWY 12

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS		
CH 78316	303°	Rwy Idg	6007
W30A		TDZE	3169
		Apt Elev	3178

RNAV (GPS) RWY 30

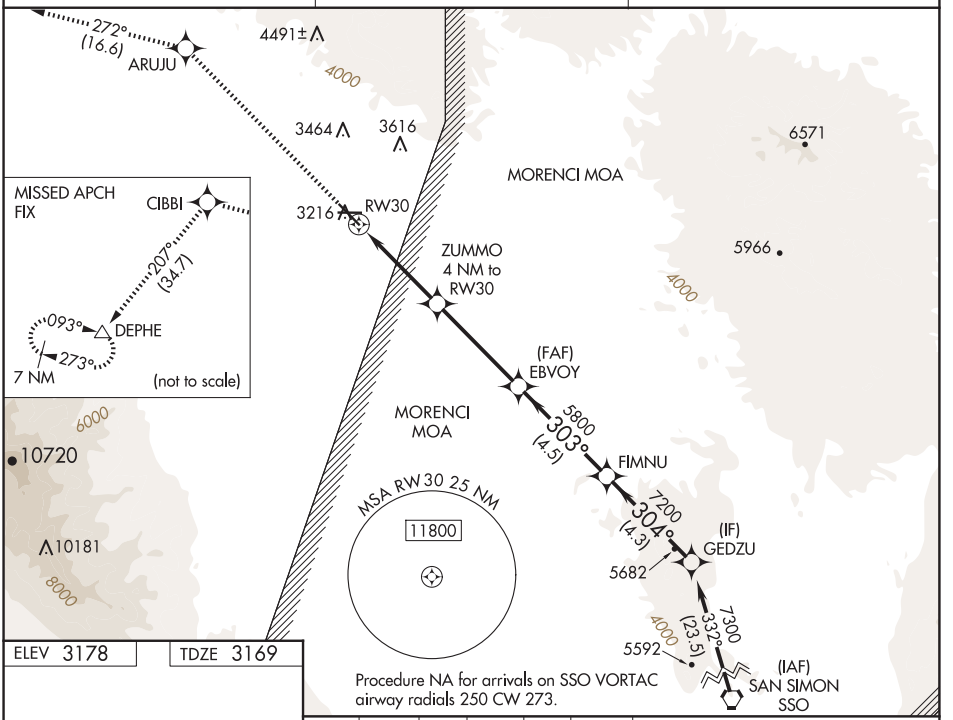
SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)

RNP APCH - GPS.

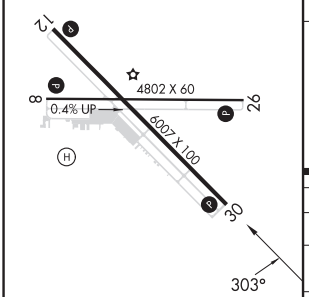
Circling to Rwy 8 NA at night. Circling NA northeast of Rwy 12 and north of Rwy 26. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -6°C or above 54°C.

MISSED APPROACH: Climb to 10000 direct ARUJU and on track 272° to CIBBI and on track 207° to DEPHE and hold.

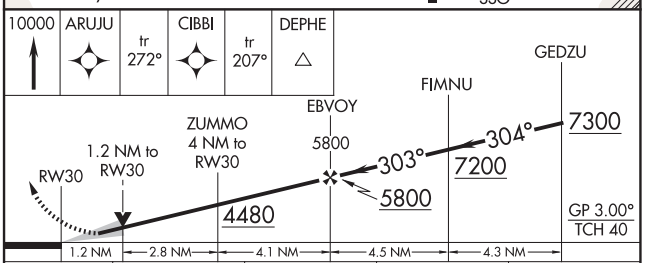
ASOS	ALBUQUERQUE CENTER	UNICOM
124.175	134.45 327.15	122.8 (CTAF) L



ELEV 3178 TDZE 3169



REIL Rwys 8, 12, 26, and 30 L
MIRL Rwys 8-26 and 12-30 L

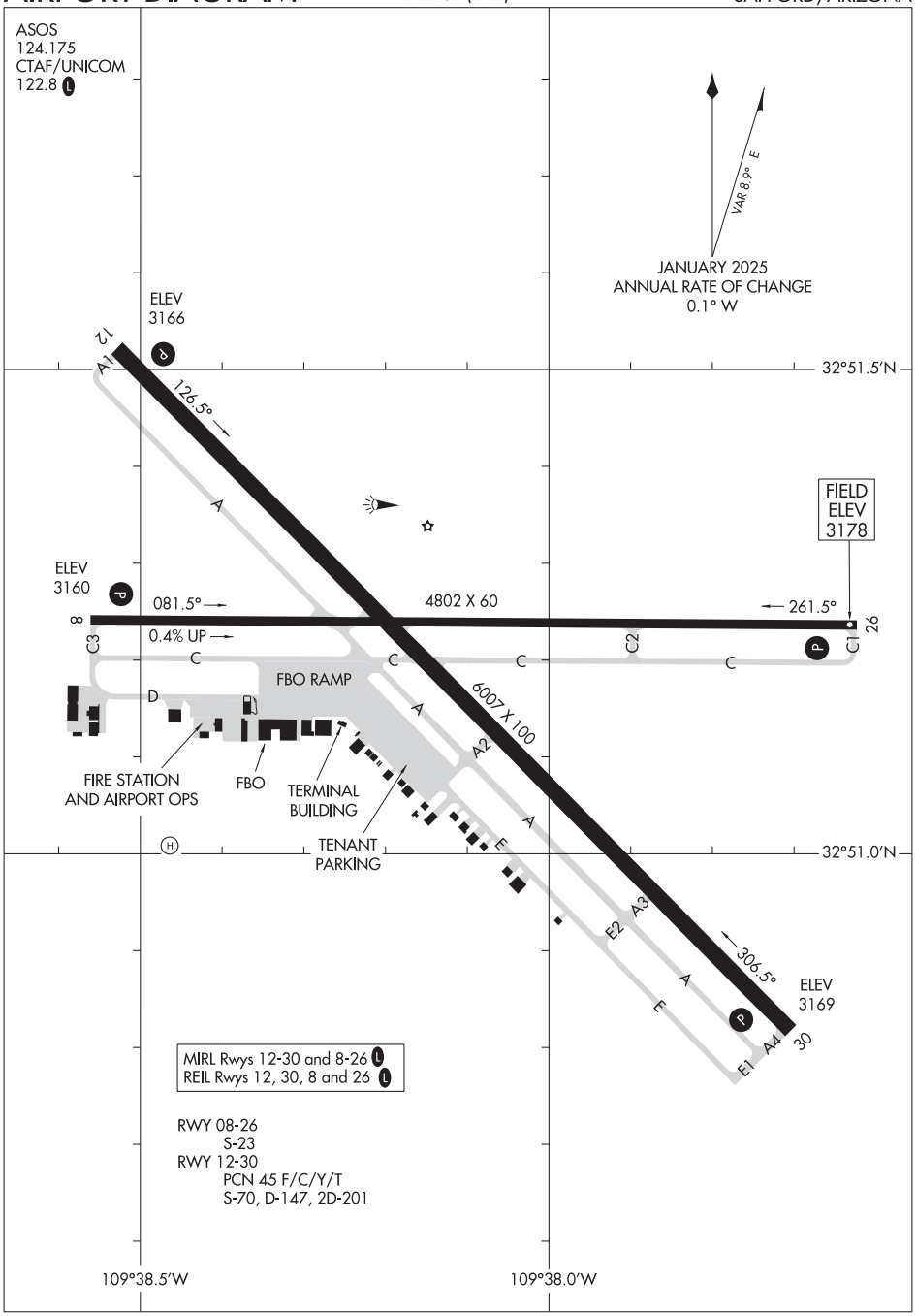


CATEGORY	A	B	C	D
LPV DA	3419-¾ 250 (300-¾)			
LNAV/VNAV DA	3517-1 348 (400-1)			
LNAV MDA	3600-1 431 (500-1)		3600-1¼ 431 (500-1¼)	
CIRCLING	3600-1 422 (500-1)	3640-1 462 (500-1)	3640-1½ 462 (500-1½)	3900-2¼ 722 (800-2¼)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107
AIRPORT DIAGRAM

SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)
AL-789 (FAA)
SAFFORD, ARIZONA



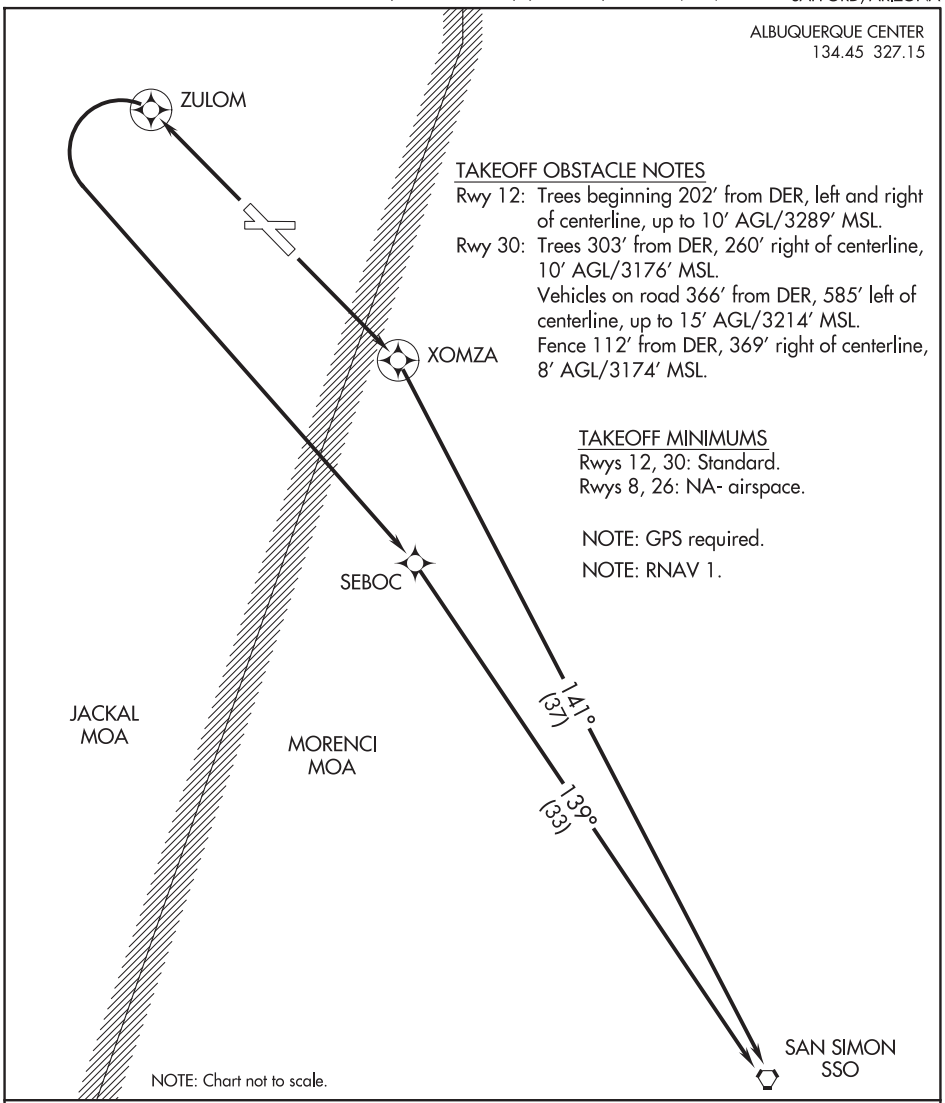
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107
SAFFORD, ARIZONA
SAFFORD RGNL/1LT DUANE SPALSBURY FLD (SAD)

SAFFORD ONE DEPARTURE (OBSTACLE) (RNAV) AL-789 (FAA)

SAFFORD, ARIZONA



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climb direct XOMZA and right turn on track 141° to SSO VORTAC, thence. . . .

TAKEOFF RUNWAY 30: Climb direct ZULOM then climbing left turn direct SEBOC then on track 139° to SSO VORTAC, thence. . . .

. . . .via assigned route, expect clearance to filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 1

ST GEORGE RGNL (SGU)

WAAS CH 50220 W01A	APP CRS 008°	Rwy Ldg 9300 TDZE 2851 Apt Elev 2884

RNP APCH-GPS.

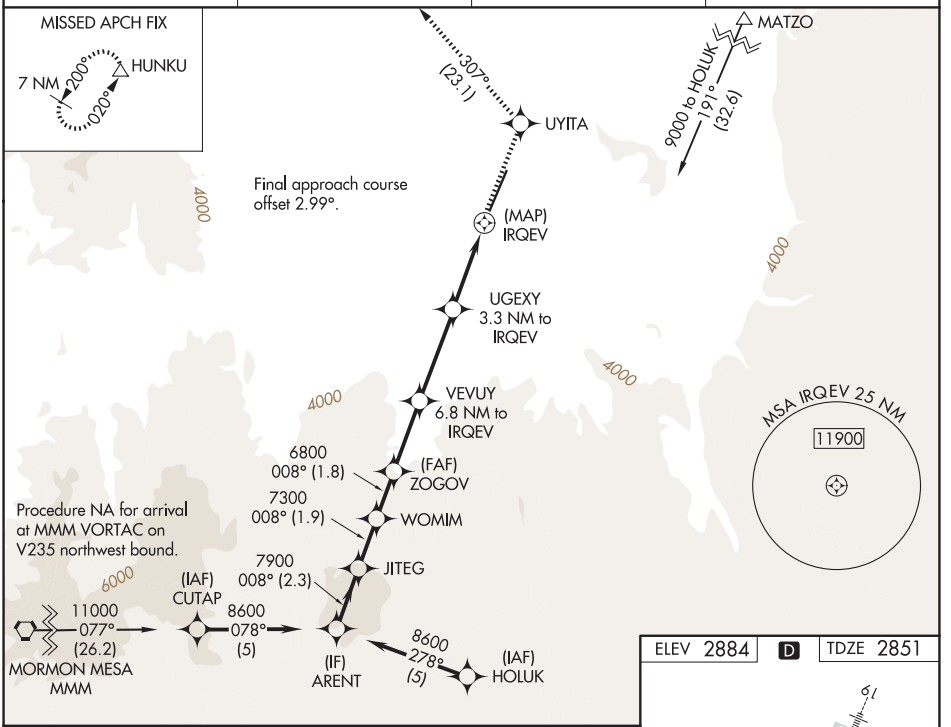
T Helicopter visibility reduction below 1 SM NA.

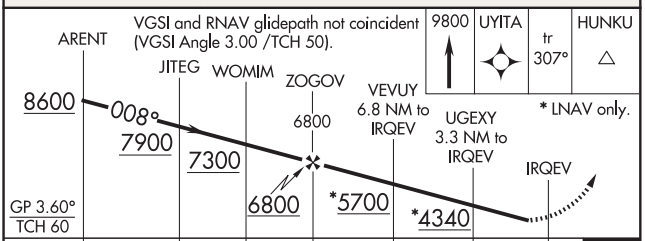
A # Missed approach requires a minimum climb of 225 feet per NM to 6800.

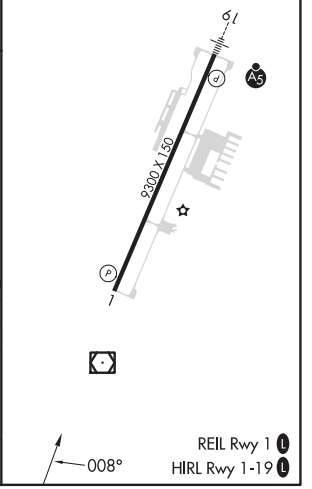
-5°C † Missed approach requires a minimum climb of 220 feet per NM to 6700.

MISSED APPROACH: Climb to 9800 direct UYITA and on track 307° to HUNKU and hold, continue climb-in-hold to 9800.

AWOS-3PT	LOS ANGELES CENTER	CLNC DEL	UNICOM
135.075	124.2 343.6	133.3	123.075 (CTAF) L







CATEGORY	A	B	C	D
LPV DA#	3170-1 319 (300-1)			NA
LNAV MDA†	3340-1 489 (500-1)		3340-1⅜ 489 (500-1⅜)	NA
LNAV MDA	3760-1¼ 909 (900-1¼)		3760-2½ 909 (900-2½)	NA
CIRCLING	3760-1¼ 876 (900-1¼)	3800-1¼ 916 (1000-1¼)	3860-3 976 (1000-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 19

ST GEORGE RGNL (SGU)

APP CRS	Rwy Ldg	9300
198°	TDZE	2884
	Apt Elev	2884

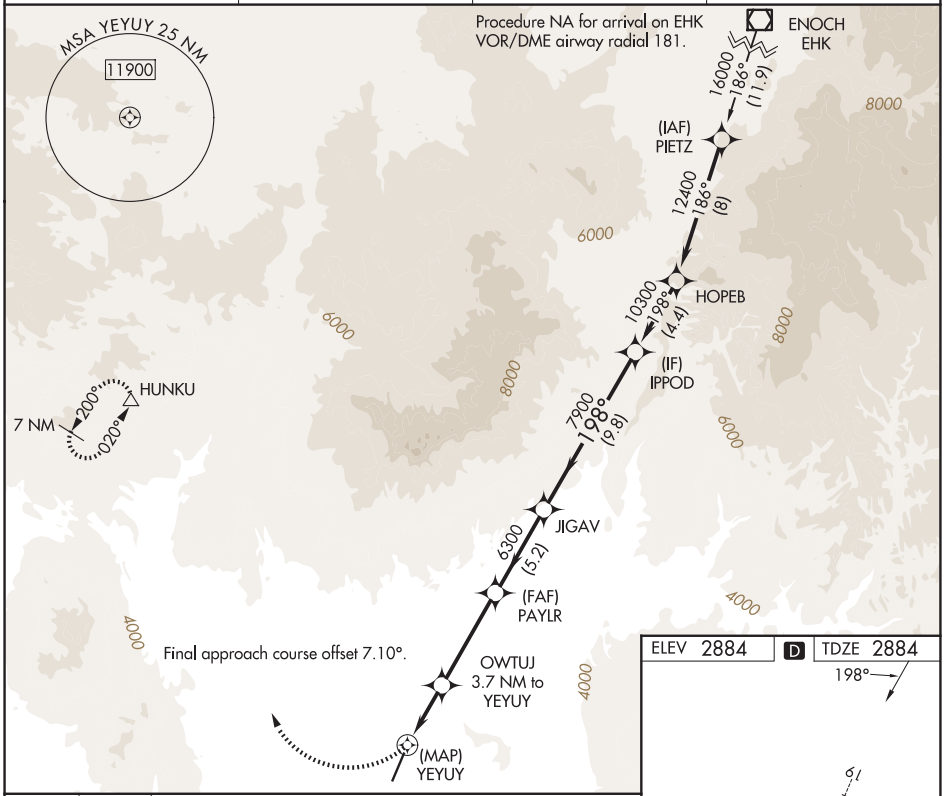
RNP APCH-GPS.

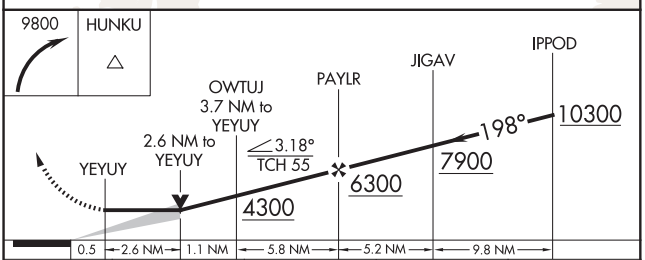
-5°C

MALSR

MISSED APPROACH: Climbing right turn to 9800 direct HUNKU and hold, continue climb-in-hold to 9800.

AWOS-3PT	LOS ANGELES CENTER	CLNC DEL	UNICOM
135.075	124.2 343.6	133.3	123.075 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	3940-¾ 1056 (1100-¾)	3940-1 1056 (1100-1)	3940-2½ 1056 (1100-2½)	
CIRCLING	3940-1¼ 1056 (1100-1¼)	3940-1½ 1056 (1100-1½)	3940-3 1056 (1100-3)	4660-3 1776 (1800-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ST GEORGE, UTAH | AL-10546 (FAA) | 25219

LOC/DME I-SGU	APP CRS	Rwy Ldg	9300
110.9	198°	TDZE	2884
Chan 46		Apt Elev	2884

LDA RWY 19

ST GEORGE RGNL (SGU)

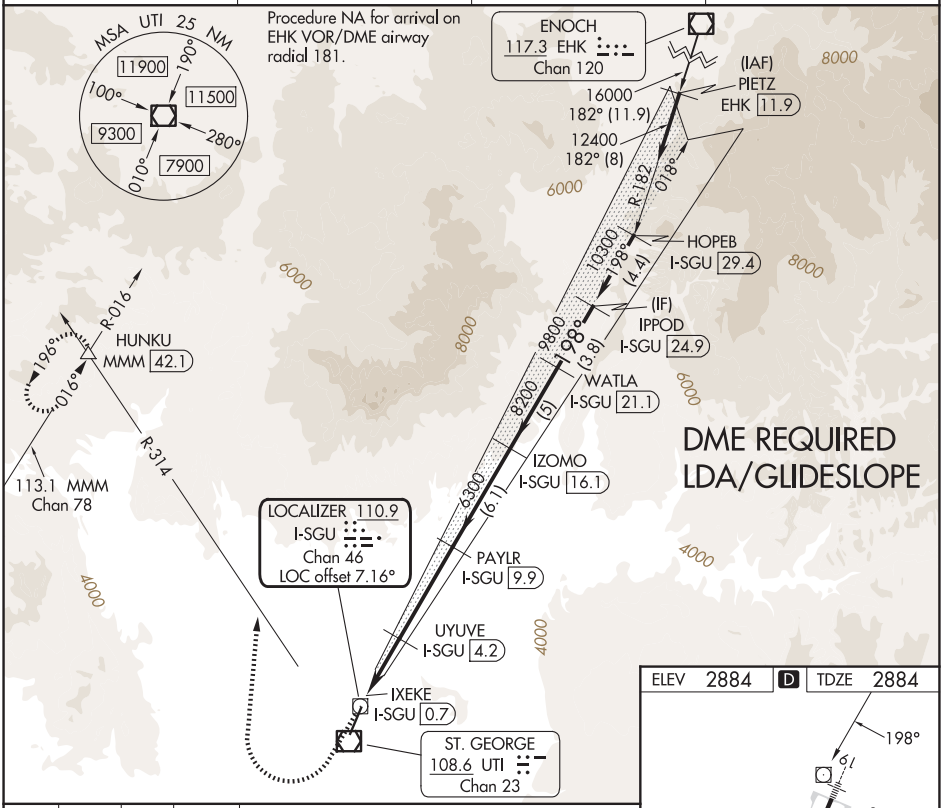
T NA -5°C

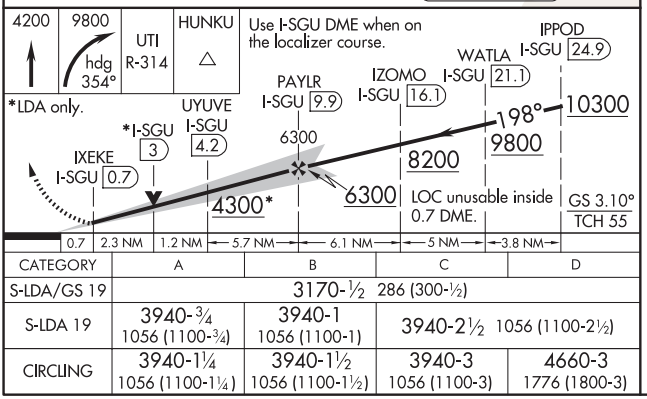
DME required. For inop ALS, increase S-LDA/GS 19 all Cats visibility to ⅞ SM.

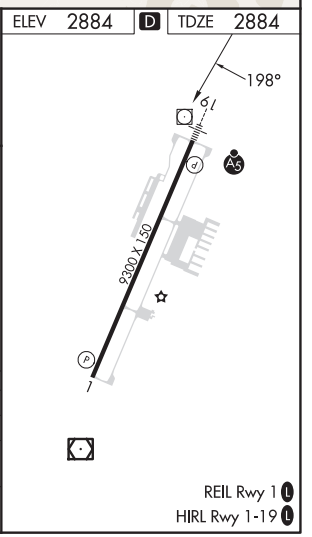
MALSR

MISSED APPROACH: Climb to 4200 then climbing right turn to 9800 on heading 354° and UTI VOR/DME R-314 to HUNKU INT/ MMM 42.1 DME and hold, continue climb-in-hold to 9800.

AWOS-3PT	LOS ANGELES CENTER	CLNC DEL	UNICOM
135.075	124.2 343.6	133.3	123.075 (CTAF) L





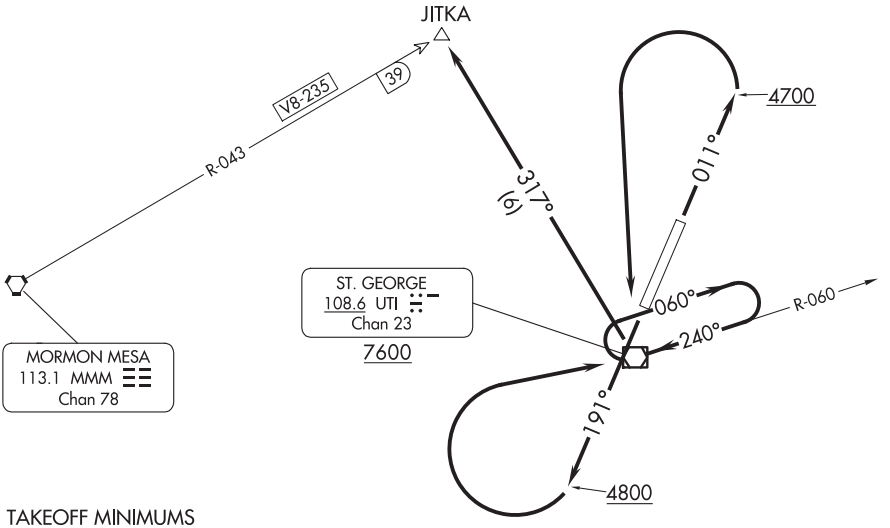


CATEGORY	A	B	C	D
S-LDA/GS 19	3170-½ 286 (300-½)			
S-LDA 19	3940-¾ 1056 (1100-¾)	3940-1 1056 (1100-1)	3940-2½ 1056 (1100-2½)	
CIRCLING	3940-1¼ 1056 (1100-1¼)	3940-1½ 1056 (1100-1½)	3940-3 1056 (1100-3)	4660-3 1776 (1800-3)

REIL Rwy 1 L
HIRL Rwy 1-19 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

LOS ANGELES CENTER
124.2 343.6
AWOS-3
135.075



TAKEOFF MINIMUMS

Rwy 1: Obtain ATC approval for VCOA when requesting IFR clearance. Standard with minimum climb of 330′ per NM to 5400 or 6300-3 for climb in visual conditions.

Rwy 19: Obtain ATC approval for VCOA when requesting IFR clearance. Standard with minimum climb of 380′ per NM to 6100 or 6300-3 for climb in visual conditions.

TAKEOFF OBSTACLE NOTES

Rwy 1: Terrain beginning 2.2 NM from DER, 3898′ right of centerline, up to 3490′ MSL.

Rwy 19: Terrain 509′ from DER, 44′ left of centerline, 2845′ MSL. Terrain beginning 182′ from DER, 64′ right of centerline, up to 2856′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 011° to 4700, then climbing left turn direct UTI VOR/DME, thence. . . . or, climb in visual conditions to cross St George Rgnl Airport at or above 9000, then proceed on course.

TAKEOFF RUNWAY 19: Climb heading 191° to 4800, then climbing right turn direct UTI VOR/DME, thence. . . . or, climb in visual conditions to cross St George Rgnl Airport at or above 9000, then proceed on course.

. . . . continue climb in UTI VOR/DME holding pattern, to cross UTI VOR/DME at or above 7600, then on UTI VOR/DME R-317 to JITKA INT/MMM VORTAC 39 DME, then proceed on course.

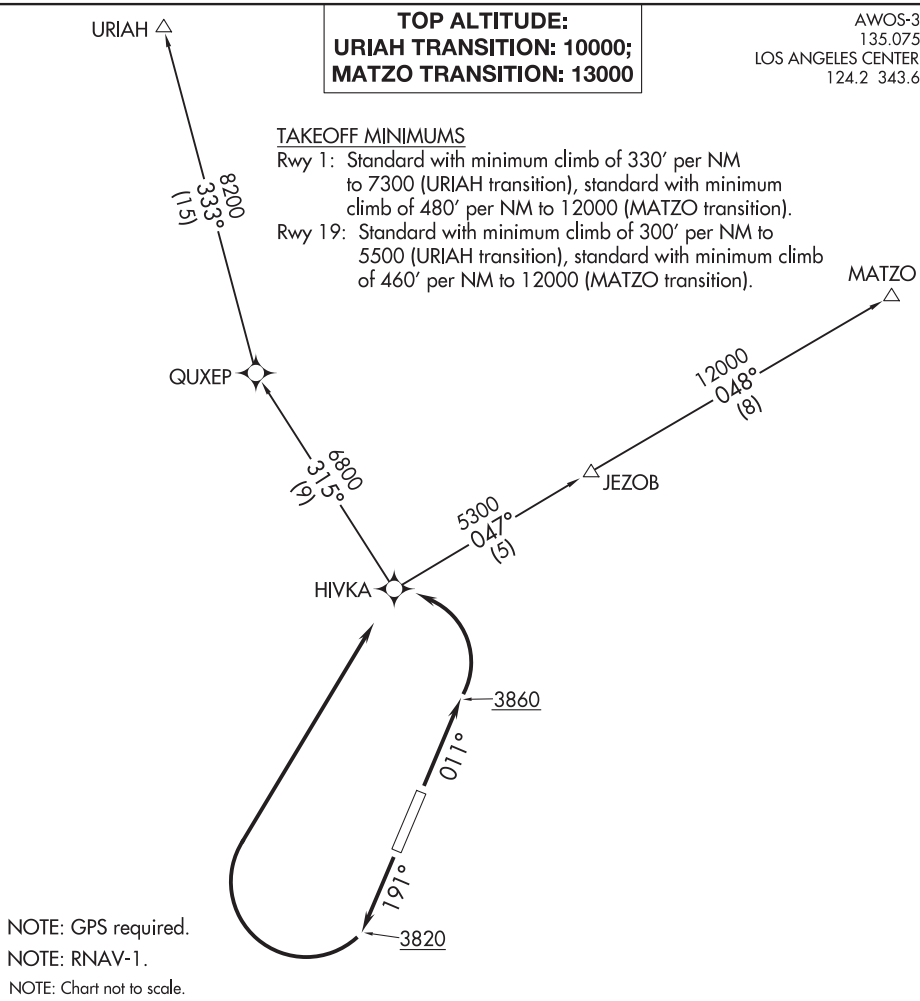
SW-4, 07 AUG 2025 to 02 OCT 2025

(HIVKA2.HIVKA) 18312

HIVKA TWO DEPARTURE (RNAV)

AL-10546 (FAA)

ST GEORGE RGNL (SGU)
ST GEORGE, UTAH



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 011° to 3860, then climbing left turn direct HIVKA, thence. . . .

TAKEOFF RUNWAY 19: Climb heading 191° to 3820, then climbing right turn direct HIVKA, thence. . . .

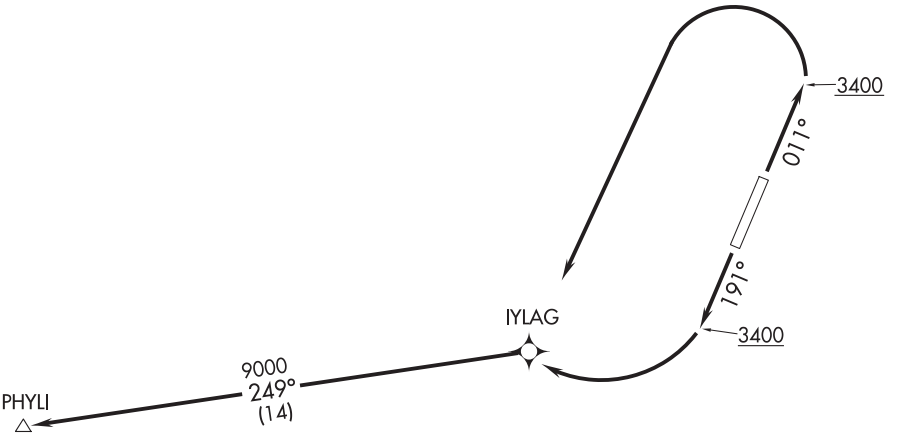
. . . .(transition).

MATZO TRANSITION (HIVKA2.MATZO)

URIAH TRANSITION (HIVKA2.URIAH)

AWOS-3
135.075
LOS ANGELES CENTER
124.2 343.6

TOP ALTITUDE: 9000



NOTE: GPS required.

NOTE: RNAV-1.

TAKEOFF MINIMUMS

Rwy 1: Standard with minimum climb of 245′ per NM to 3800.

Rwy 19: Standard with minimum climb of 240′ per NM to 5900.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1: Climb heading 011° to 3400 then climbing left turn to 9000 (or higher assigned altitude) direct IYLAG and on track 249° to PHYLI.

TAKEOFF RUNWAY 19: Climb heading 191° to 3400 then climbing right turn to 9000 (or higher assigned altitude) direct IYLAG and on track 249° to PHYLI.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 14

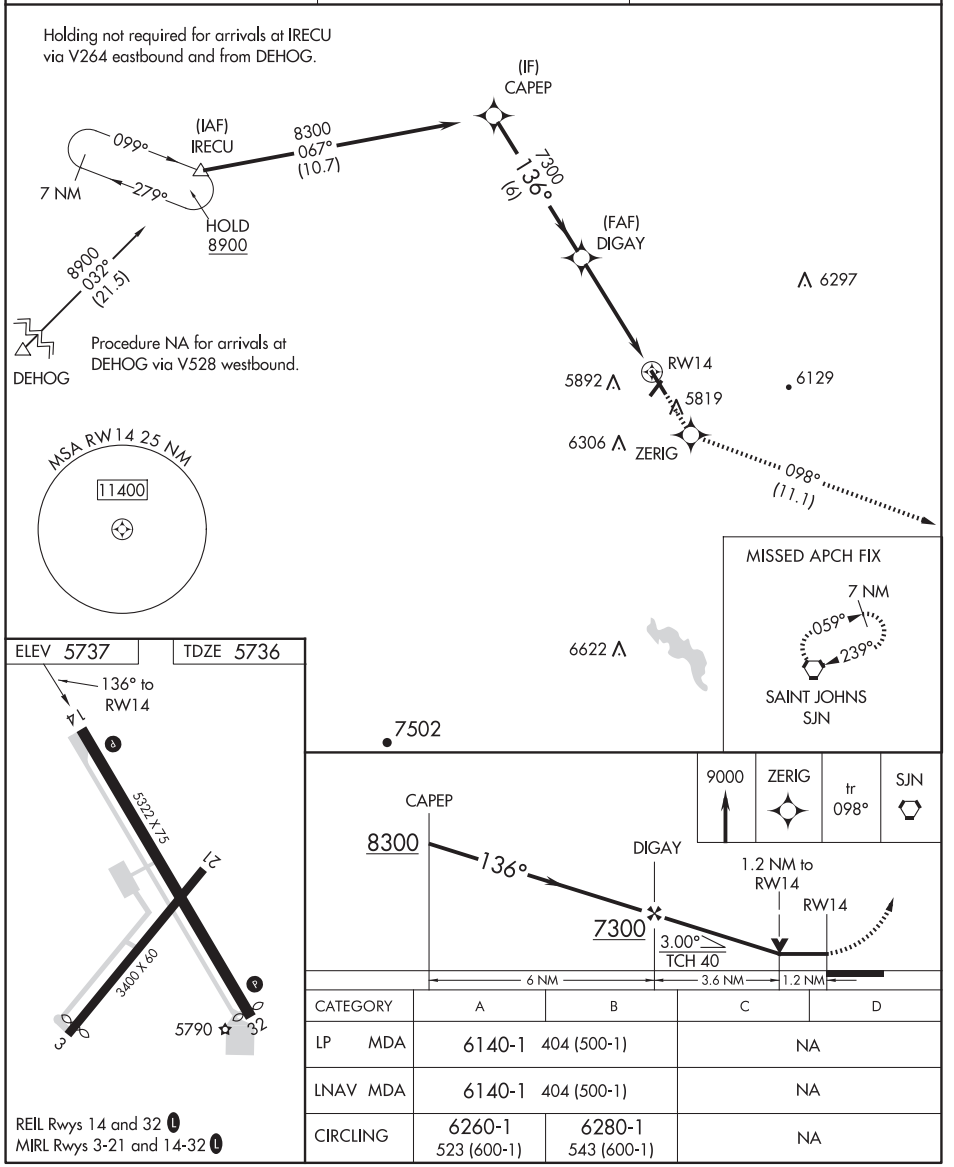
ST JOHNS INDUSTRIAL AIR PARK (SJN)

WAAS	APP CRS	Rwy Idg	5322
CH 49224	136°	TDZE	5736
W14A		Apt Elev	5737

Night landing Rwy 3, 32 NA. When local altimeter setting not received, use Show Low altimeter setting and increase all MDA 180 feet. DME/DME RNP-0.3 NA. Helicopter visibility reduction below ¾ SM NA. VDP NA with Show Low altimeter setting.

MISSED APPROACH: Climb to 9000 direct ZERIG and on track 098° to SJN VORTAC and hold, continue climb-in-hold to 9000.

ASOS	ALBUQUERQUE CENTER	UNICOM
134.225	124.325 288.25	122.8 (CTAF) L



CATEGORY	A	B	C	D
LP MDA	6140-1	404 (500-1)	NA	
LNAV MDA	6140-1	404 (500-1)	NA	
CIRCLING	6260-1 523 (600-1)	6280-1 543 (600-1)	NA	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS CH **42643** **W32A**	APP CRS **316°**	Rwy Idg **5230** TDZE **5737** Apt Elev **5737**

RNAV (GPS) RWY 32

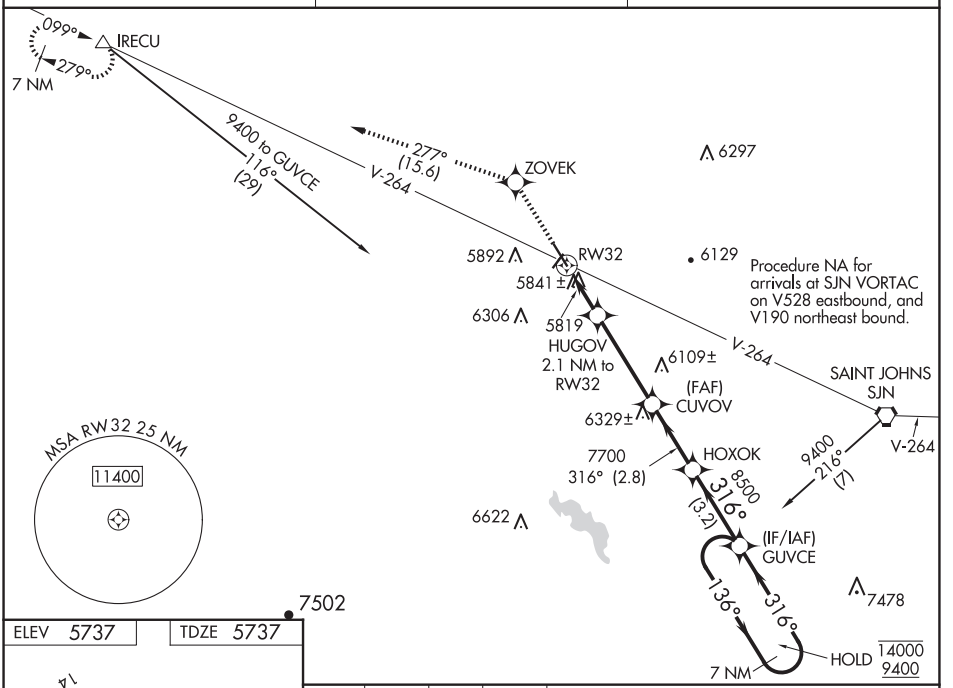
ST JOHNS INDUSTRIAL AIR PARK (SJN)

RNP APCH.

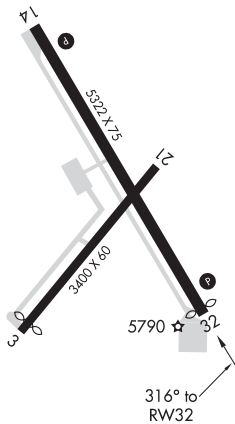
Rwy 32 helicopter visibility reduction below 1 SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -13°C or above 54°C. Rwy 32 Straight-in NA at night. Circling Rwy 3, 32 NA at night.

MISSED APPROACH: Climb to 9400 direct ZOVEK and on track 277° to IRECU and hold.

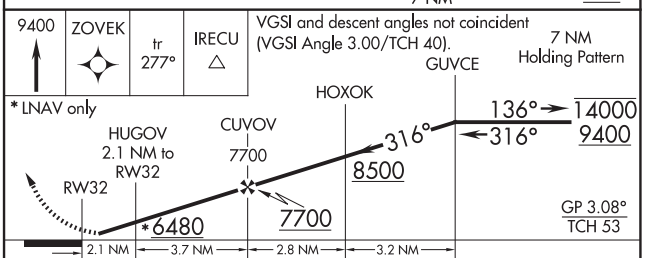
ASOS	ALBUQUERQUE CENTER	UNICOM
134.225	**124.325 288.25**	**122.8** (CTAF) L



ELEV 5737 TDZE 5737



REIL Rwys 14 and 32 L
MIRL Rwys 3-21 and 14-32 L



CATEGORY	A	B	C	D
LPV DA	5987-1 250 (300-1)		NA	
LNAV/VNAV DA	6167-1¼ 430 (500-1¼)		NA	
LNAV MDA	6140-1 403 (500-1)		NA	
C CIRCLING	6260-1 523 (600-1)	6280-1 543 (600-1)	NA	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ST JOHNS, ARIZONA AL-6586 (FAA) 21168

VORTAC SJN	APP CRS	Rwy Idg	N/A
112.3	283°	TDZE	N/A
Chan 70		Apt Elev	5737

VOR-A

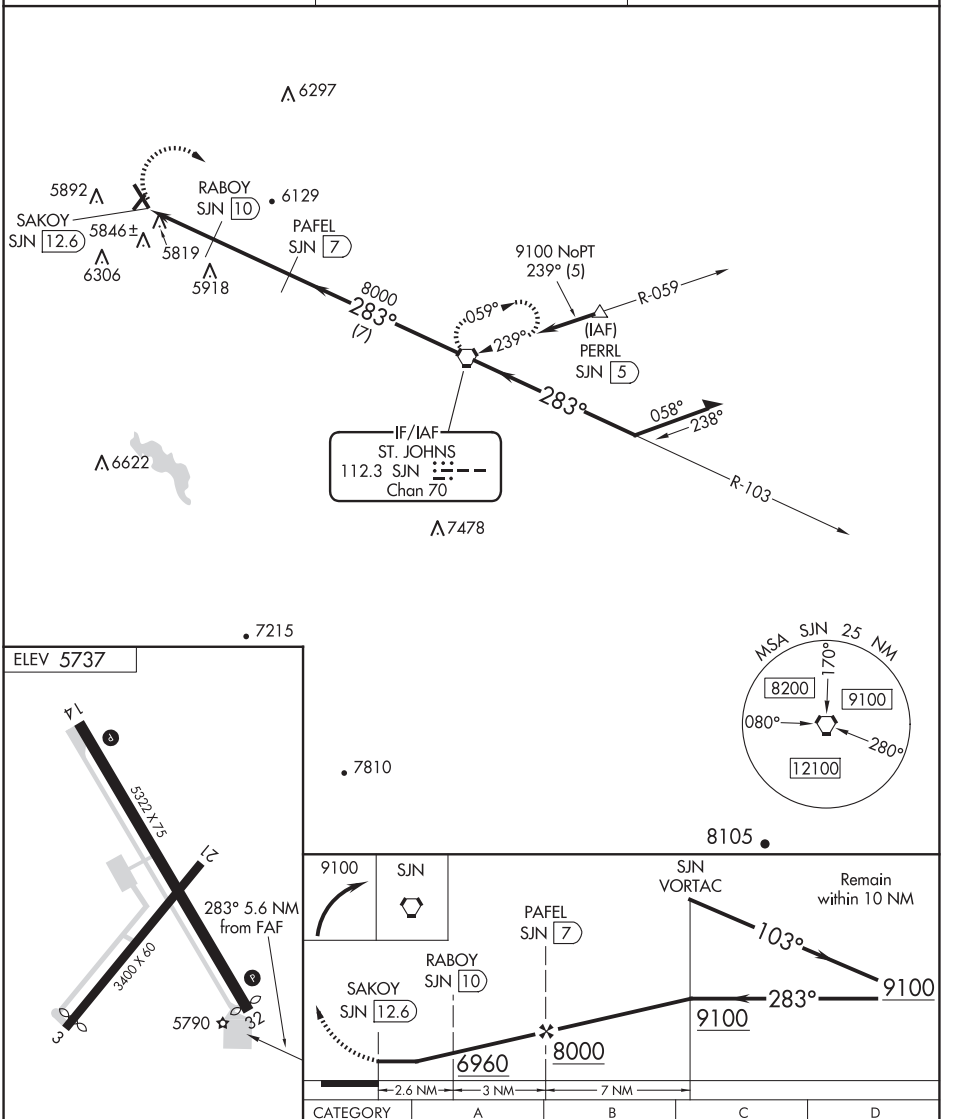
ST JOHNS INDUSTRIAL AIR PARK (SJN)

DME required.

Circling Rwy 3, 32 NA at night.

MISSED APPROACH: Climbing right turn to 9100 direct SJN VORTAC and hold, continue climb-in-hold to 9100.

ASOS	ALBUQUERQUE CENTER	UNICOM
134.225	124.325 288.25	122.8 (CTAF) L



REIL Rwys 14 and 32 L
MIRL Rwys 3-21 and 14-32 L

CATEGORY	A	B	C	D
C CIRCLING	6260-1 523 (600-1)	6280-1 543 (600-1)	NA	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 16L

SALT LAKE CITY INTL (SLC)

LOC/DME I-MOY	APP CRS	Rwy Ldg 12002
109.5	164°	TDZE 4231
Chan 32		Apt Elev 4231

RNP APCH - GPS. From EKKHO.
DME or RADAR required.
Simultaneous approach authorized. For inop ALS, increase S-LOC 16L Cat C/D visibility to 1⅜ SM.

ALSF-2

MISSED APPROACH: Climb to 4800 then climb to 10000 on FFU VORTAC R-341 to FFU VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	

Procedure NA for arrival on OGD VORTAC airway radials 068 CW 153.

(IAF) EKKHO 11000 250K

IAF OGDEN 115.7 OGD Chan 104

11000 128° (6.1)

11000 139° (5.5)

(IAF) WEBER I-MOY 29 RADAR 12000

(IF) IRRON I-MOY 22.4 RADAR

TOOME I-MOY 17 RADAR

LGOON I-MOY 12.2 RADAR

YYIPP I-MOY 7.5 RADAR

344° 164° 11000 (6.6) 9000 (5.5) 7500 (4.7) 6000 (4.7)

MSA TCH 25 NM
40° 10900
230° 12700
050° 8700

WASATCH 116.8 TCH Chan 115

IM

LOCALIZER 109.5 I-MOY Chan 32

116.6 FFU R-341 Chan 113

MISSED APCH FIX
FAIRFIELD FFU 116.6 Chan 113
160° 340° R-160

ALTERNATE MISSED APCH FIX
116.8 TCH R-159 Chan 115
ZILOD TCH 40
159° 339°

5000 7000

ELEV 4231 D TDZE 4231
164°
19R 19L 17 TWR 34L 34R 35
12000 X 150 12002 X 150 9596 X 150 8893 X 150

HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 34L, 34R and 35

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).

IRRON I-MOY 22.4 RADAR
TOOME I-MOY 17 RADAR
LGOON I-MOY 12.2 RADAR
YYIPP I-MOY 7.5 RADAR
I-MOY 3.5
I-MOY 2.2
IM

11000 164° 9000 7500 6000

GS 3.00° TCH 55

5.5 NM 4.7 NM 4.7 NM 4.1 NM 1.2 0.1

4800	10000	FFU
	FFU R-341	

CATEGORY	A	B	C	D
S-ILS 16L	4431/18 200 (200-½)			
S-LOC 16L	4720/24 489 (500-½)		4720/50 489 (500-1)	

FAF to MAP 5.4 NM

Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

LOC/DME I-UAT	APP CRS	Rwy Ldg	12000
111.9	164°	TDZE	4226
Chan 56		Apt Elev	4231

ILS or LOC RWY 16R

SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From EKKHO or WEBER.

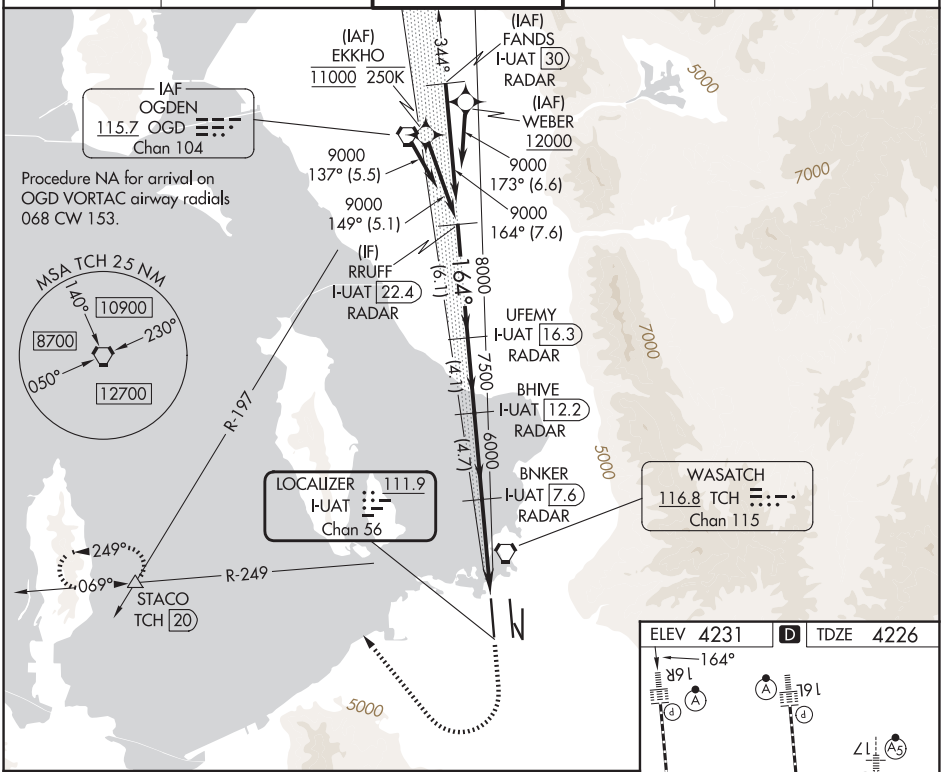
DME or RADAR required.

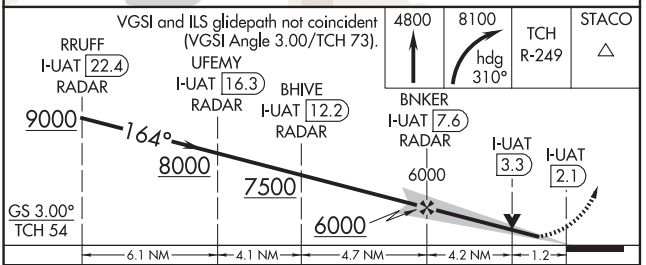
Simultaneous approach authorized. For inop ALS, increase S-LOC 16R Cat A and B visibilities to RVR 5500, and Cat C and D visibilities to 1⅜ SM.

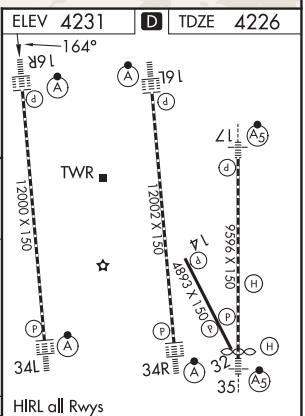
ALSF-2

MISSED APPROACH: Climb to 4800 then climbing right turn to 8100 on heading 310° and on TCH VORTAC R-249 to STACO INT/TCH 20 DME and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	







CATEGORY	A	B	C	D
S-ILS 16R	4426/18 200 (200-½)			
S-LOC 16R	4680/24 454 (500-½)		4680/45 454 (500-⅞)	

FAF to MAP 5.4 NM

Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 17

SALT LAKE CITY INTL (SLC)

LOC/DME I-BNT	APP CRS	Rwy Ldg	9596
111.5	169°	TDZE	4222
Chan 52		Apt Elev	4231

From WEBER, EKKHO: RNAV 1-GPS required.

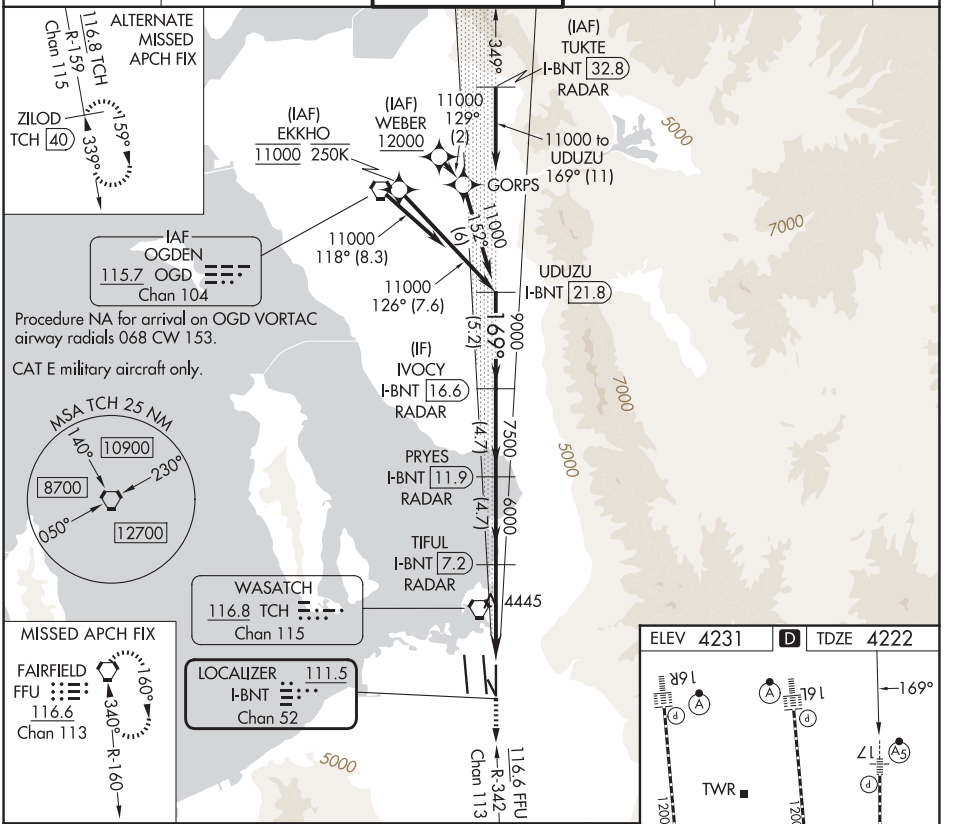
DME or RADAR required.

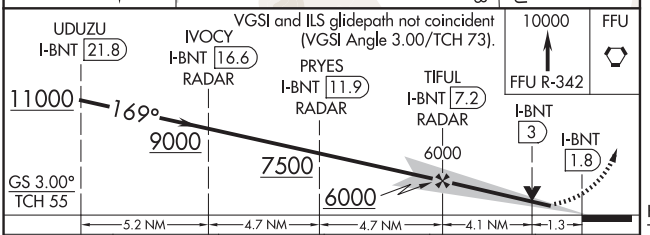
Simultaneous approach authorized. For inop ALS, increase S-ILS 17 Cat E visibility to RVR 4000, increase S-LOC 17 Cat C/D/E visibility to 1⅜ SM.

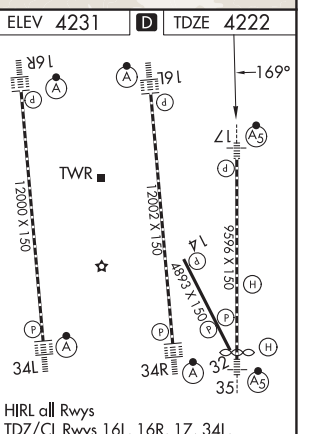
MALSR

MISSED APPROACH: Climb to 10000 on FFU R-342 to FFU VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	







HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 34L, 34R and 35

CATEGORY	A	B	C	D	E
S-ILS 17	4422/18 200 (200-½)				
S-LOC 17	4700/24 478 (500-½)		4700/50 478 (500-1)		

FAF to MAP 5.4 NM

Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

ILS or LOC RWY 34L

SALT LAKE CITY INTL (SLC)

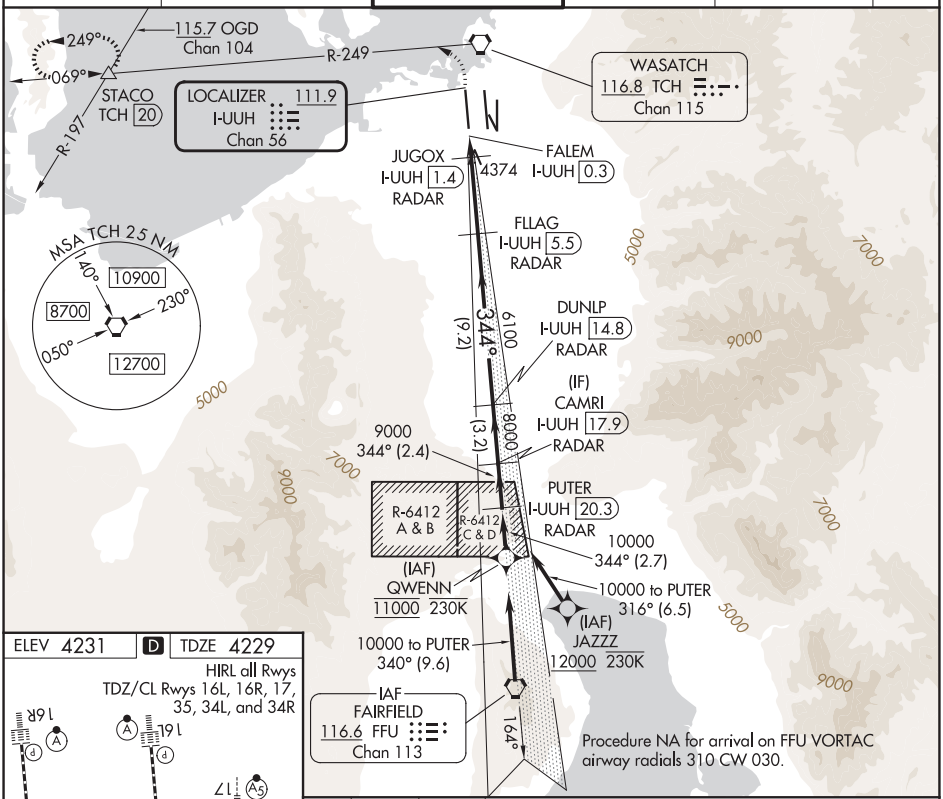
LOC/DME I-UUH	APP CRS	Rwy Ldg	12000
111.9	344°	TDZE	4229
Chan 56		Apt Elev	4231

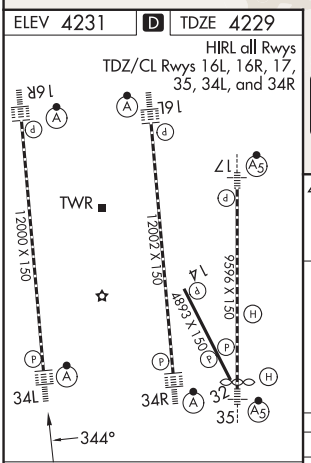
RNP APCH - GPS. From QWENN or JAZZZ.
DME or RADAR required.
Simultaneous approach authorized. For inop ALS, increase S-LOC 34L Cat C/D visibility to RVR 6000.

ALSF-2

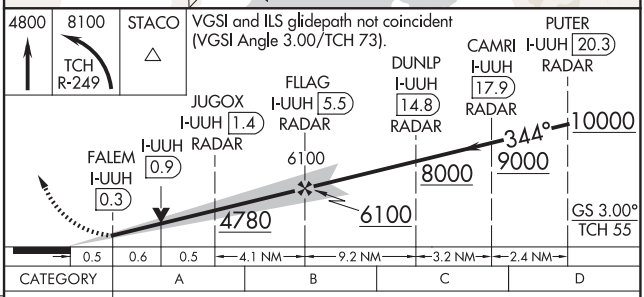
MISSED APPROACH: Climb to 4800 then climbing left turn to 8100 on TCH VORTAC R-249 to STACO INT/TCH 20 DME and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	





FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46



CATEGORY	A	B	C	D
S-ILS 34L	4429/18 200 (200-½)			
S-LOC 34L	4640/24 411 (500-½)		4640/40 411 (500-¾)	

SALT LAKE CITY, UTAH
Amdt 4 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)

ILS or LOC RWY 34L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-SLC	APP CRS	Rwy Ldg	12002
109.5	344°	TDZE	4225
Chan 32		Apt Elev	4231

ILS or LOC RWY 34R

SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From QWENN or JAZZZ.

DME required for LOC only. DME or RADAR required.

Simultaneous approach authorized. For inop ALS, increase S-LOC 34R Cat C/D visibility to RVR 5500.

ALSF-2

MISSED APPROACH: Climb to 9000 direct TCH VORTAC and on TCH VORTAC R-331 to OGD VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	

MISSED APCH FIX

OGDEN OGD 115.7 Chan 104

R-281 101° 281°

LOCALIZER 109.5 I-SLC Chan 32

R-331

WASATCH 116.8 TCH Chan 115

IRUYU I-SLC 1.8

4349 GITBE I-SLC 0.3

CHEVL I-SLC 5.5 RADAR

HAKKR I-SLC 14.7 RADAR

(IF) ALGIE I-SLC 17.8 RADAR

11000 005° (2.9)

10000 344° (2.4)

PLAGE I-SLC 20.2 RADAR

(IAF) QWENN 11000 230K

11000 325° (6.1)

(IAF) JAZZZ 12000 230K

11000 to PLAGE 346° (9.7)

Procedure NA for arrival on FFU VORTAC airway radials 310 CW 030.

IAF FAIRFIELD 116.6 FFU Chan 113

MSA TCH 2.5 NM

140° 10900 230° 8700 050° 12700

R-6412 A & B

R-6412 C & D

344° (9.1) (3.1)

6100 9000 5000 7000 9000

164°

ELEV 4231 D TDZE 4225

TWR

16R 19L 17 25 7 34L 34R 35

12002 X 150 9596 X 150 8893 X 150

HIRL all Rwys

TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R

344°

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

9000 TCH TCH R-331 OGD

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 73).

I-SLC DME ANTENNA

GITBE I-SLC 0.3

IRUYU I-SLC 1.8

CHEVL I-SLC 5.5 RADAR

HAKKR I-SLC 14.7 RADAR

ALGIE I-SLC 17.8 RADAR

PLAGE I-SLC 20.2 RADAR

4900 6100 9000 10000 11000 344°

GS 3.00° TCH 55

0.5 1.5 NM 3.8 NM 9.1 NM 3.1 NM 2.4 NM

CATEGORY	A	B	C	D
S-ILS 34R	4425/18 200 (200-½)			
S-LOC 34R	4600/24 375 (400-½)		4600/35 375 (400-⅝)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

LOC/DME I-UAT	APP CRS	Rwy Ldg	12000
111.9	164°	TDZE	4226
Chan 56		Apt Elev	4231

ILS RWY 16R (SA CAT I)

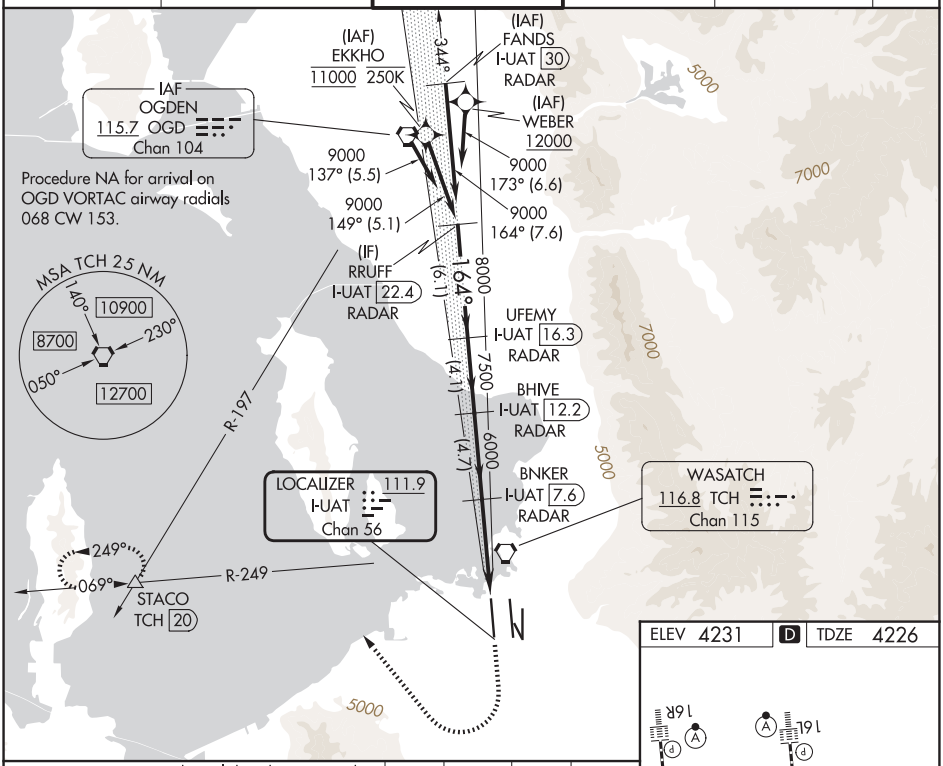
SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From EKKHO or WEBER.
DME or RADAR required.
Simultaneous approach authorized.
Requires specific OPSPEC, MSPEC, or LOA approval.

ALSF-2

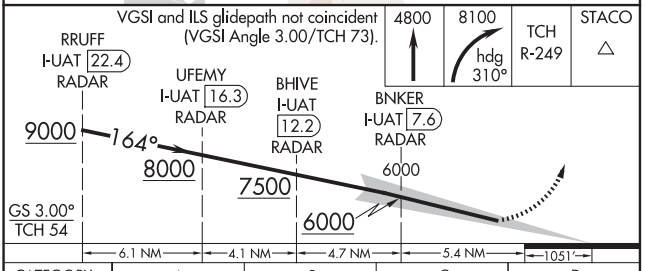
MISSED APPROACH: Climb to 4800 then climbing right turn to 8100 on heading 310° and on TCH VORTAC R-249 to STACO INT/TCH 20 DME and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	



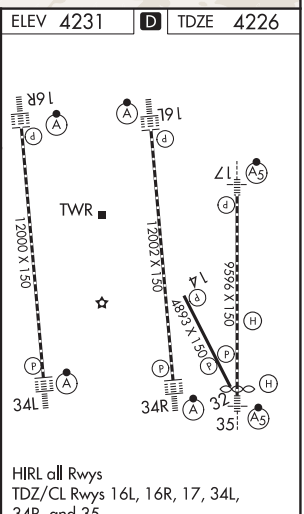
VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 73).

4800	8100	TCH	STACO
	hdg 310°	R-249	△



CATEGORY	A	B	C	D
S-ILS 16R	RA 154/14 150 DA 4376			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ILS RWY 34L (SA CAT I)

SALT LAKE CITY INTL (SLC)

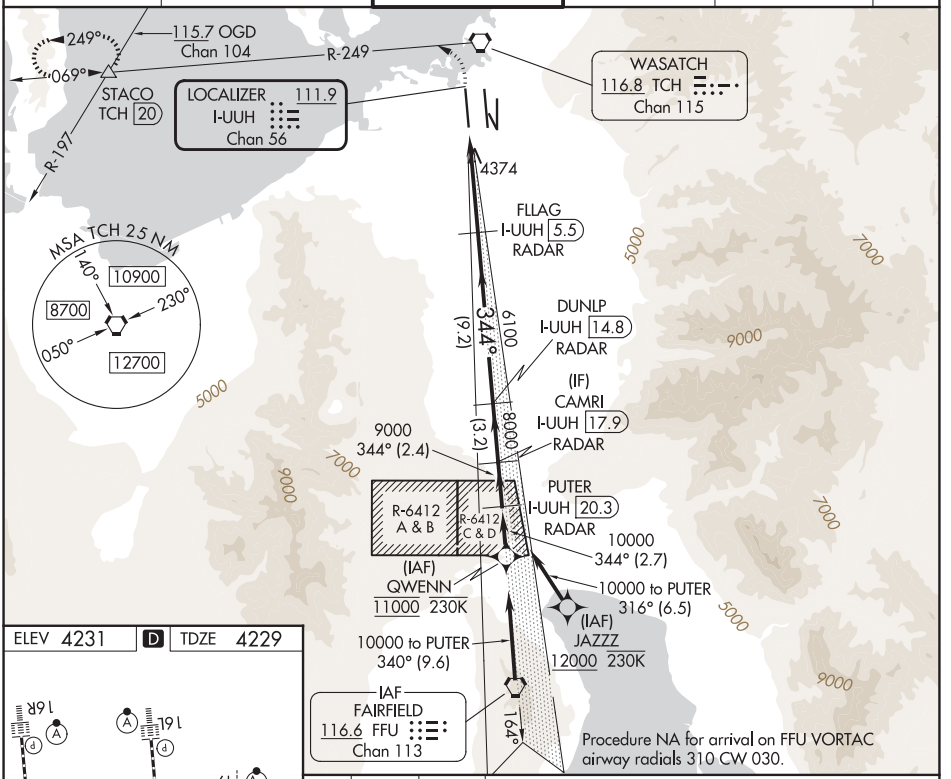
LOC/DME I-UUH	APP CRS	Rwy Ldg	12000
111.9	344°	TDZE	4229
Chan 56		Apt Elev	4231

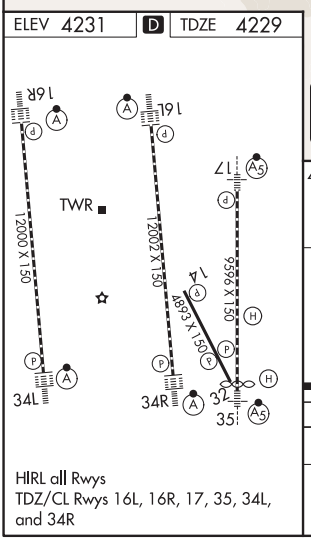
RNP APCH - GPS. From QWENN or JAZZZ.
DME or RADAR required.
Simultaneous approach authorized. Requires specific OPSPEC, MSPEC, or LOA approval.

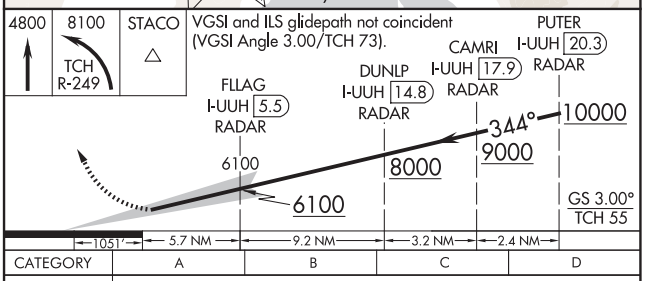
ALSF-2

MISSED APPROACH: Climb to 4800 then climbing left turn to 8100 on TCH VORTAC R-249 to STACO INT/TCH 20 DME and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	







CATEGORY	A	B	C	D
S-ILS 34L	RA 157/14 150 DA 4379			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

LOC/DME I-SLC	APP CRS	Rwy Ldg	12002
109.5	344°	TDZE	4225
Chan 32		Apt Elev	4231

ILS RWY 34R (SA CAT I)

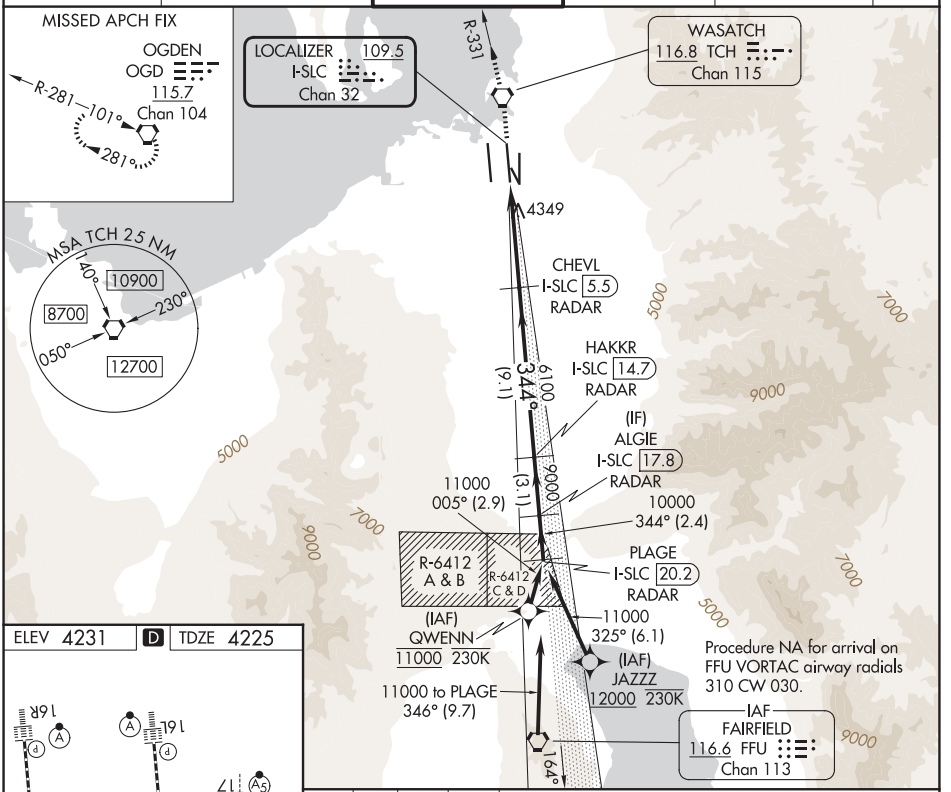
SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From QWENN or JAZZZ.
DME or RADAR required.
Simultaneous approach authorized. Requires specific OPSPEC, MSPEC, or LOA approval.

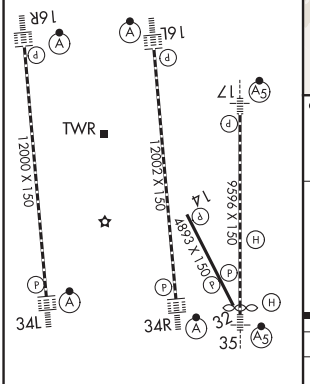
ALSF-2

MISSED APPROACH: Climb to 9000 direct TCH VORTAC and on TCH VORTAC R-331 to OGD VORTAC and hold.

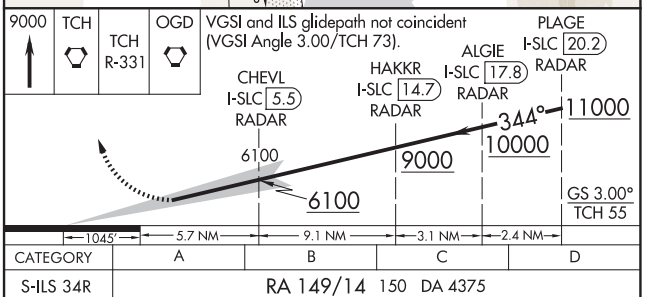
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	



ELEV 4231 | D | TDZ 4225



HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R



CATEGORY	A	B	C	D
S-ILS 34R	RA 149/14 150 DA 4375			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SALT LAKE CITY, UTAH
Amdt 5 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)
ILS RWY 34R (SA CAT I)

SW-4, 07 AUG 2025 to 02 OCT 2025

ILS RWY 17 (SA CAT I & II)

SALT LAKE CITY INTL (SLC)

LOC/DME I-BNT	APP CRS	Rwy Ldg	9596
111.5	169°	TDZE	4222
Chan 52		Apt Elev	4231

From WEBER, EKKHO: RNAV 1-GPS required.

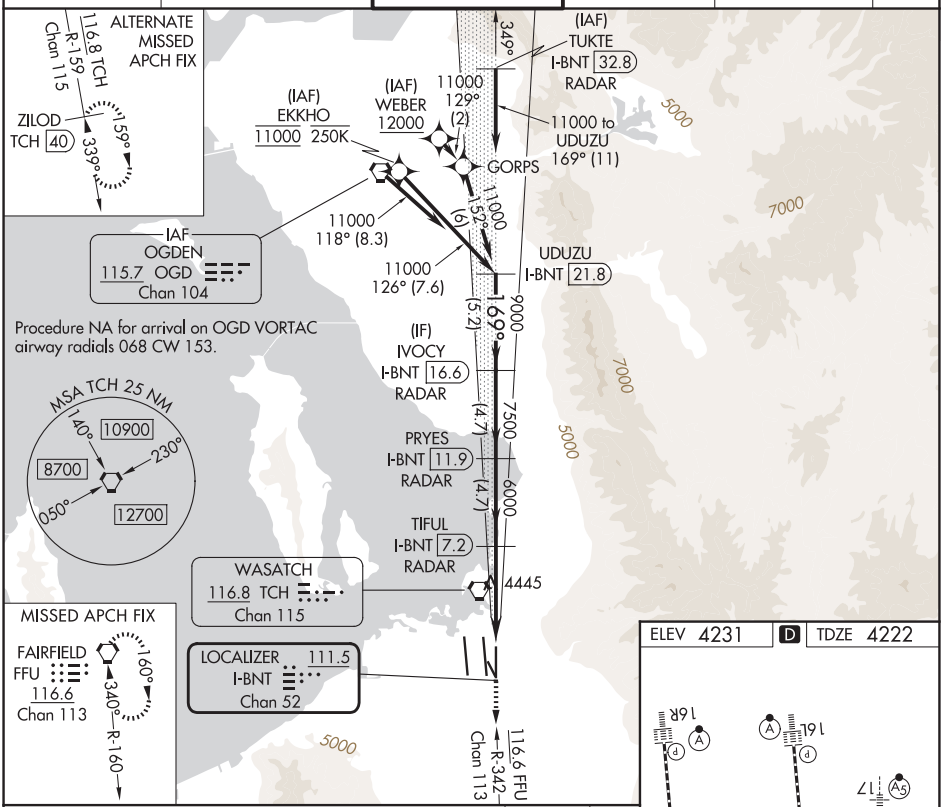
DME or RADAR required.

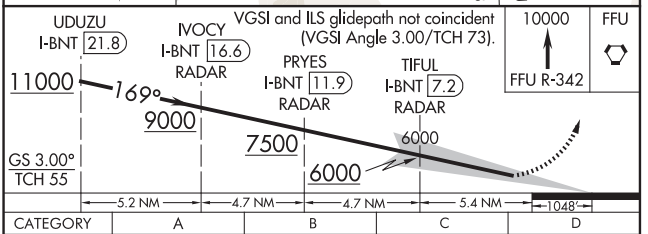
Simultaneous approach authorized. SA CAT I: Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH. SA CAT II: Reduced lighting: Requires specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

MALSR

MISSED APPROACH: Climb to 10000 on FFU R-342 to FFU VORTAC and hold.

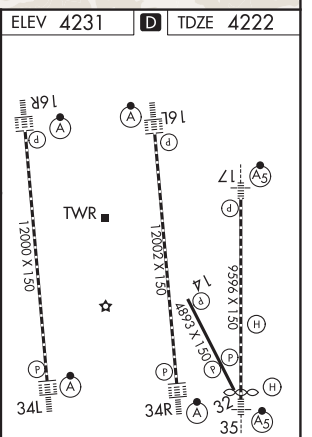
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	





CATEGORY	A	B	C	D
S-ILS 17	SA CAT I	RA 150/14	150	DA 4372
S-ILS 17	SA CAT II	RA 100/12	100	DA 4322

SA CATEGORY I & II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

LOC/DME I-MOY	APP CRS	Rwy Ldg 12002
109.5	164°	TDZE 4231
Chan 32		Apt Elev 4231

ILS RWY 16L (CAT II & III)

SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From EKKHO.

DME or RADAR required.

T Simultaneous approach authorized. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

ALSF-2

MISSED APPROACH: Climb to 4800 then climb to 10000 on FFU VORTAC R-341 to FFU VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	

Procedure NA for arrival on OGD VORTAC airway radials 068 CW 153.

(IAF) EKKHO 11000 250K

IAF OGDEN 115.7 OGD Chan 104

11000 128° (6.1)

11000 139° (5.5)

(IAF) WEBER I-MOY 29 RADAR 12000

(IF) IRRON I-MOY 22.4 RADAR

TOOME I-MOY 17 RADAR

LGOON I-MOY 12.2 RADAR

YYIPP I-MOY 7.5 RADAR

IM

MSA TCH 25 NM

40° 10900

230° 8700

050° 12700

WASATCH 116.8 TCH Chan 115

MISSED APCH FIX

FAIRFIELD FFU 116.6 Chan 113

340°-R-160 160°

LOCALIZER 109.5 I-MOY Chan 32

116.6 FFU R-341 Chan 113

ALTERNATE MISSED APCH FIX

ZILOD TCH 40

116.8 TCH R-159 Chan 115

159° 339°

ELEV 4231 D TDZE 4231

TWR

16R 12000 X 150

19L 12002 X 150

17 9596 X 150

34L 34R 35

HIRL all Rwys

TDZ/CL Rwys 16L, 16R, 17, 34L, 34R and 35

IRRON I-MOY 22.4 RADAR

TOOME I-MOY 17 RADAR

LGOON I-MOY 12.2 RADAR

YYIPP I-MOY 7.5 RADAR

IM

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).

4800 | 10000 FFU R-341 | FFU

11000 164° 9000 7500 6000 4331

GS 3.00° TCH 55

5.5 NM | 4.7 NM | 4.7 NM | 5.4 NM | 1026'

CATEGORY	A	B	C	D
S-ILS 16L	CAT II RA 109/12 100 DA 4331			
S-ILS 16L	CAT III RVR 03			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SALT LAKE CITY, UTAH

Amdt 4 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)

ILS RWY 16L (CAT II & III)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-UAT	APP CRS	Rwy Ldg	12000
111.9	164°	TDZE	4226
Chan 56		Apt Elev	4231

ILS RWY 16R (CAT II & III)

SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From EKKHO or WEBER.

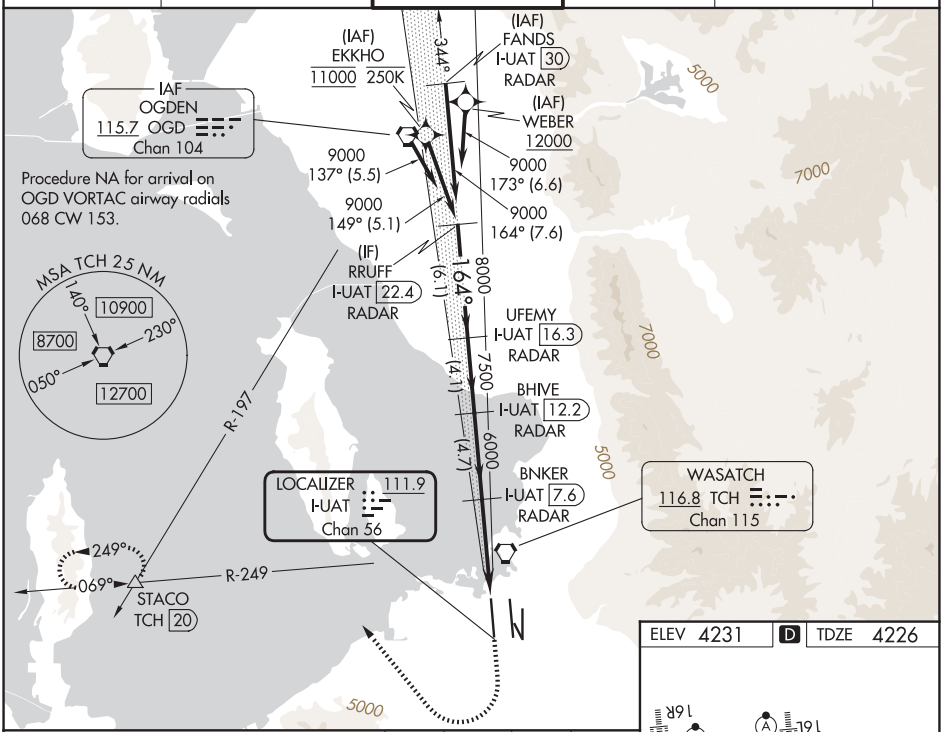
DME or RADAR required.

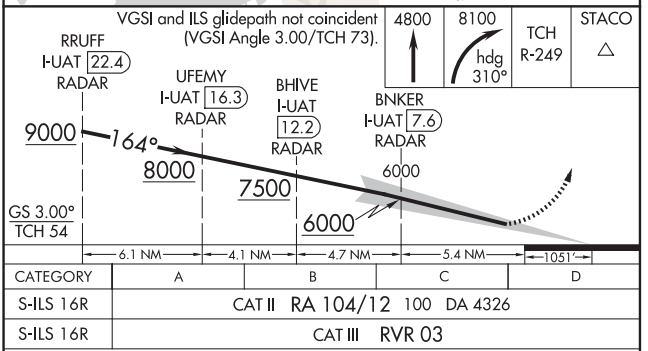
Simultaneous approach authorized. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

ALSF-2

MISSED APPROACH: Climb to 4800 then climbing right turn to 8100 on heading 310° and on TCH VORTAC R-249 to STACO INT/TCH 20 DME and hold.

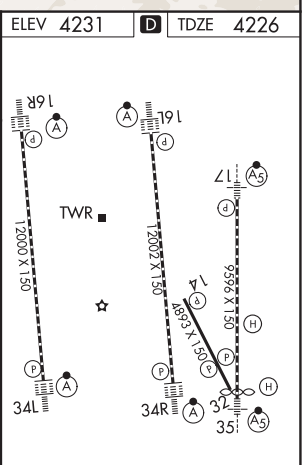
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	





CATEGORY	A	B	C	D
S-ILS 16R	CAT II RA 104/12 100 DA 4326			
S-ILS 16R	CAT III RVR 03			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 34L, 34R, and 35

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

LOC/DME I-UUH	APP CRS	Rwy Ldg 12000
111.9	344°	TDZE 4229
Chan 56		Apt Elev 4231

ILS RWY 34L (CAT II & III)

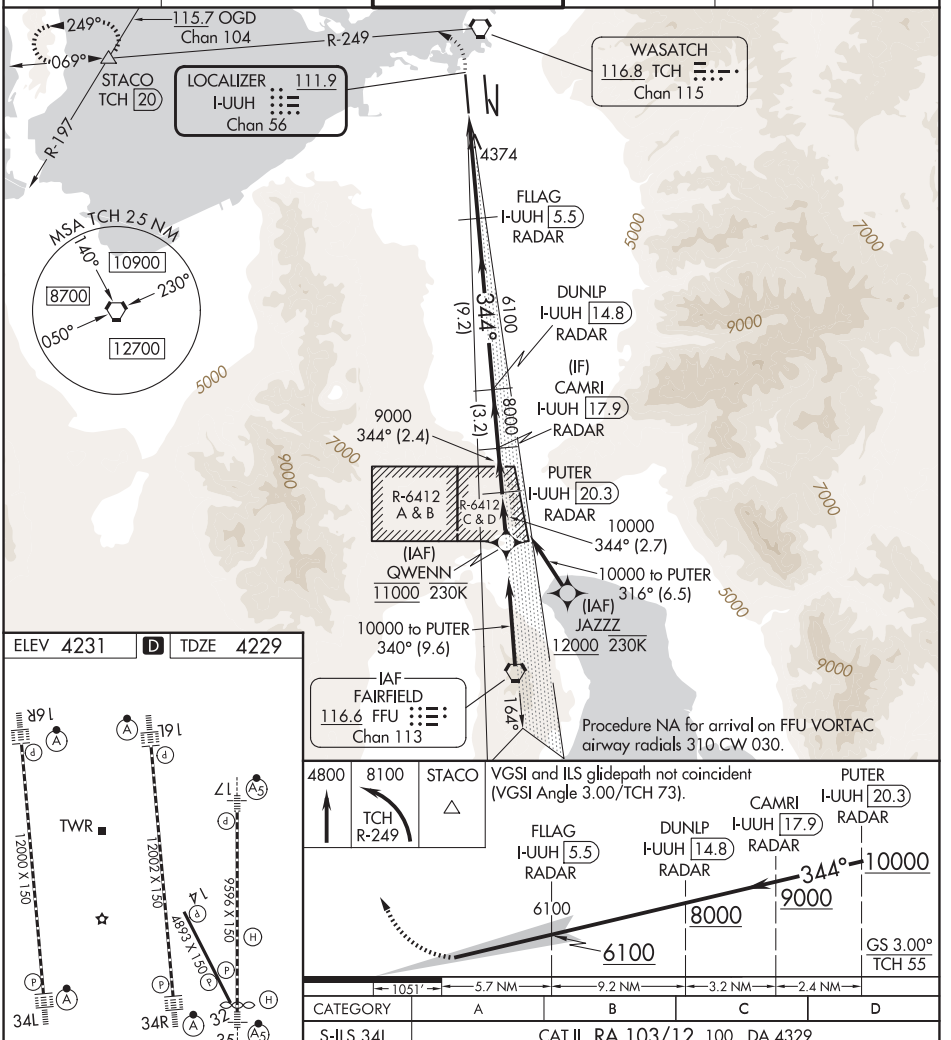
SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From QWENN or JAZZZ.
DME or RADAR required.
Simultaneous approach authorized. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

ALSF-2

MISSED APPROACH: Climb to 4800 then climbing left turn to 8100 on TCH VORTAC R-249 to STACO INT/TCH 20 DME and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	



ELEV 4231 | D | TDZE 4229

HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R

CATEGORY	A	B	C	D
S-ILS 34L	CAT II RA 103/12 100 DA 4329			
S-ILS 34L	CAT III RVR 03			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SALT LAKE CITY, UTAH
Amdt 4 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)
ILS RWY 34L (CAT II & III)

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-SLC	APP CRS	Rwy Ldg	12002
109.5	344°	TDZE	4225
Chan 32		Apt Elev	4231

ILS RWY 34R (CAT II & III)

SALT LAKE CITY INTL (SLC)

RNP APCH - GPS. From QWENN or JAZZZ.

DME or RADAR required.

Simultaneous approach authorized. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

ALSF-2

MISSED APPROACH: Climb to 9000 direct TCH VORTAC and on TCH VORTAC R-331 to OGD VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	

MISSED APCH FIX

OGDEN OGD 115.7 Chan 104

R-281 101° 281°

LOCALIZER 109.5 I-SLC Chan 32

R-331

WASATCH 116.8 TCH Chan 115

4349

MSA TCH 25 NM

140° 10900

230° 8700

050° 12700

CHEVL I-SLC 5.5 RADAR

HAKKR I-SLC 14.7 RADAR

6100 (9.1)

344°

(IF) ALGIE I-SLC 17.8 RADAR

9000 (3.1)

11000 005° (2.9)

10000 344° (2.4)

R-6412 A & B

R-6412 C & D

PLAGE I-SLC 20.2 RADAR

(IAF) QWENN 11000 230K

11000 325° (6.1)

(IAF) JAZZZ 12000 230K

11000 to PLAGE 346° (9.7)

Procedure NA for arrival on FFU VORTAC airway radials 310 CW 030.

IAF FAIRFIELD 116.6 FFU Chan 113

164°

5000 7000 9000

ELEV 4231 D TDZE 4225

TWR

16R 12000 X 150

16L 12002 X 150

17 9996 X 150

7 8993 X 150

34L 34R 35

HIRL all Rwys

TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R

9000 TCH TCH R-331 OGD

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 73).

CHEVL I-SLC 5.5 RADAR

HAKKR I-SLC 14.7 RADAR

ALGIE I-SLC 17.8 RADAR

PLAGE I-SLC 20.2 RADAR

344° 11000 10000 9000 6100

GS 3.00° TCH 55

1045' 5.7 NM 9.1 NM 3.1 NM 2.4 NM

CATEGORY	A	B	C	D
S-ILS 34R	CAT II RA 99/12 100 DA 4325			
S-ILS 34R	CAT III RVR 03			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

APP CRS	Rwy Ldg	12002
164°	TDZE	4231
	Apt Elev	4231

RNAV (RNP) Z RWY 16L

SALT LAKE CITY INTL (SLC)

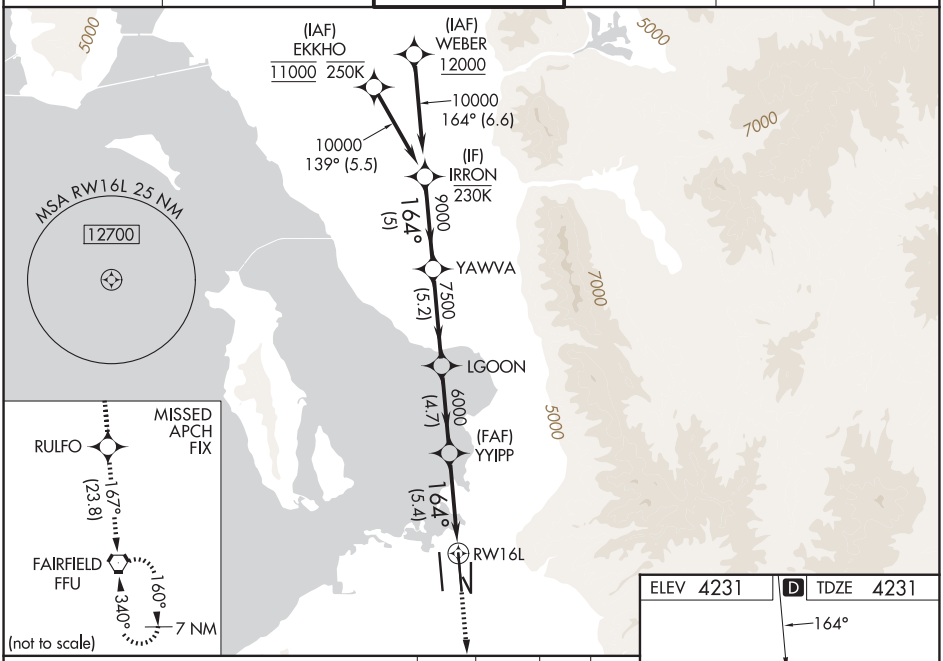
RNP AR APCH - GPS.

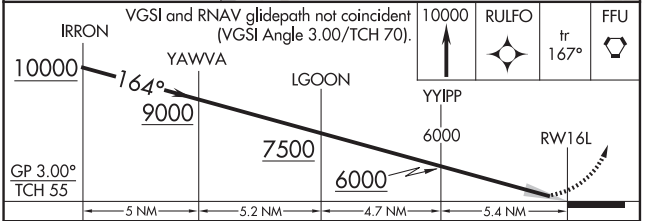
T For uncompensated Baro-VNAV systems, procedure NA below -10°C or above 54°C. Simultaneous approach authorized. For inop ALS, increase RNP 0.16 all Cats visibility RVR to 5500, increase RNP 0.16 (323) all Cats visibility to RVR 4500 and increase RNP 0.30 all Cats visibility to RVR 5500.

ALSF-2

MISSED APPROACH: Climb to 10000 direct RULFO and on track 167° to FFU VORTAC and hold.
*Missed approach requires minimum climb of 323 feet per NM to 4740.
#Missed approach requires minimum climb of 256 feet per NM to 4760.

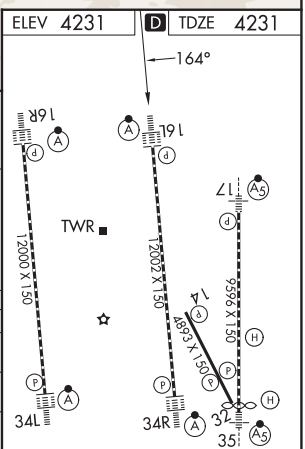
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	





CATEGORY	A	B	C	D
RNP 0.16 DA*	4516/24 285 (300-½)			NA
RNP 0.30 DA#	4565/26 334 (400-½)			
RNP 0.16 DA	4573/30 342 (400-⅝)			NA
RNP 0.30 DA	4592/35 361 (400-⅝)			

AUTHORIZATION REQUIRED



SALT LAKE CITY, UTAH
Orig 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)
RNAV (RNP) Z RWY 16L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 16R

SALT LAKE CITY INTL (SLC)

APP CRS	Rwy Ldg	12000
164°	TDZE	4226
	Apt Elev	4231

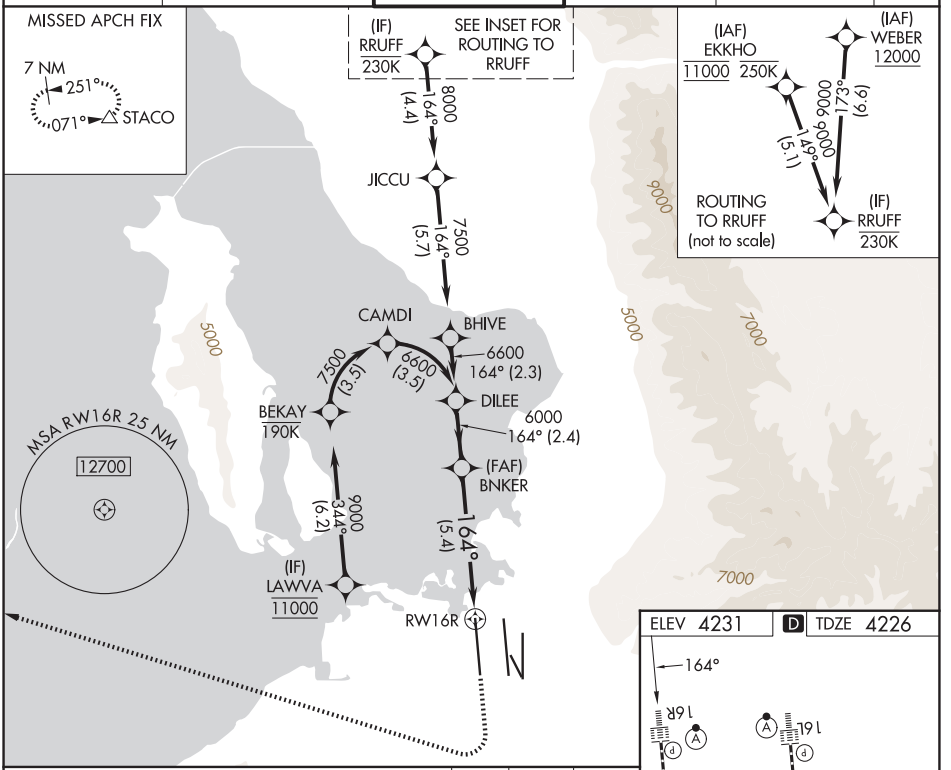
RNP AR APCH - GPS. Authorization required. From LAWVA: RF.

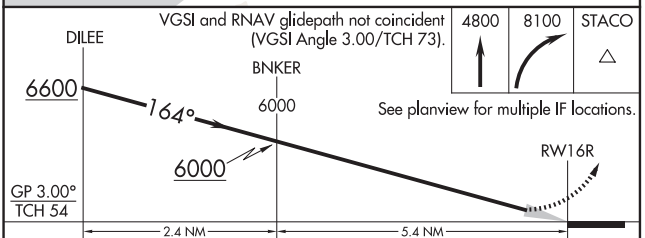
For uncompensated Baro-VNAV systems, procedure NA below -10°C or above 54°C. Simultaneous approach authorized. For inop ALS, increase RNP 0.10 all Cats visibility to RVR 4000, and increase RNP 0.30 all Cats visibility to RVR 5500.

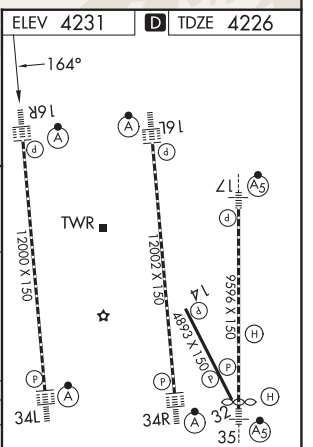
ALSF-2

MISSED APPROACH: Climb to 4800 then climbing right turn to 8100 direct STACO and hold.
*Missed approach requires minimum climb of 339 feet per NM to 4680.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	







CATEGORY	A	B	C	D
RNP 0.10 DA*	4481/24	255 (300-½)		
RNP 0.30 DA	4597/35	371 (400-⅝)		

AUTHORIZATION REQUIRED

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

RNAV (RNP) Z RWY 17

SALT LAKE CITY INTL (SLC)

APP CRS	Rwy Ldg	9596
169°	TDZE	4222
	Apt Elev	4231

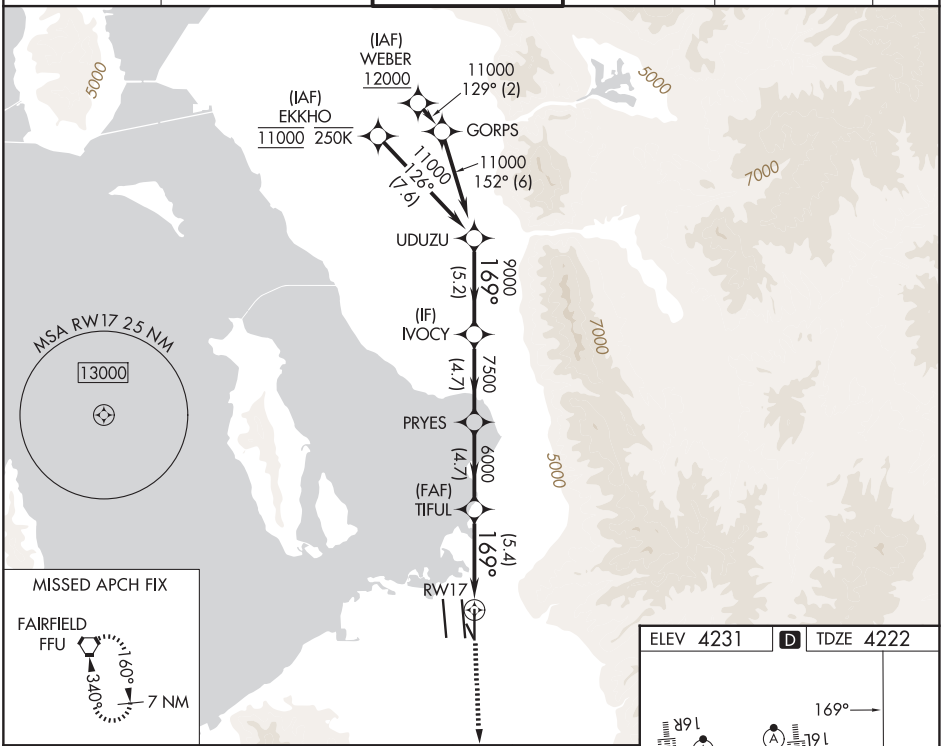
RNP AR APCH - GPS.

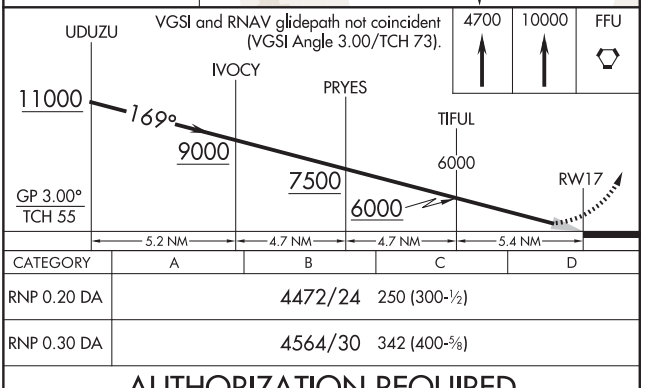
T For uncompensated Baro-VNAV systems, procedure NA below -10°C or above 54°C. Simultaneous approach authorized. For inop ALS, increase RNP 0.20 all Cats visibility to RVR 4000 and RNP 0.30 all Cats visibility to RVR 5500.

MALSR

MISSED APPROACH: Climb to 4700 then climb to 10000 direct FFU VORTAC and hold.

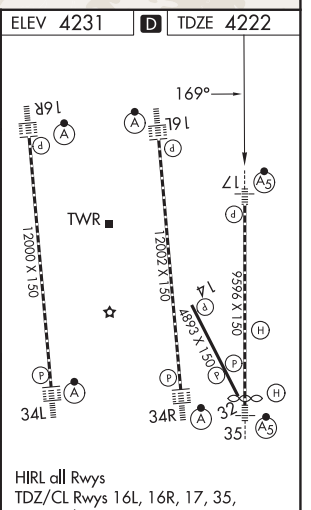
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	





CATEGORY	A	B	C	D
RNP 0.20 DA	4472/24 250 (300-½)			
RNP 0.30 DA	4564/30 342 (400-⅝)			

AUTHORIZATION REQUIRED



SALT LAKE CITY, UTAH
Orig 20FEB25

40°47′N-111°59′W

SALT LAKE CITY INTL (SLC)

RNAV (RNP) Z RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Ldg	12000
344°	TDZE	4229
	Apt Elev	4231

RNAV (RNP) Z RWY 34L

SALT LAKE CITY INTL (SLC)

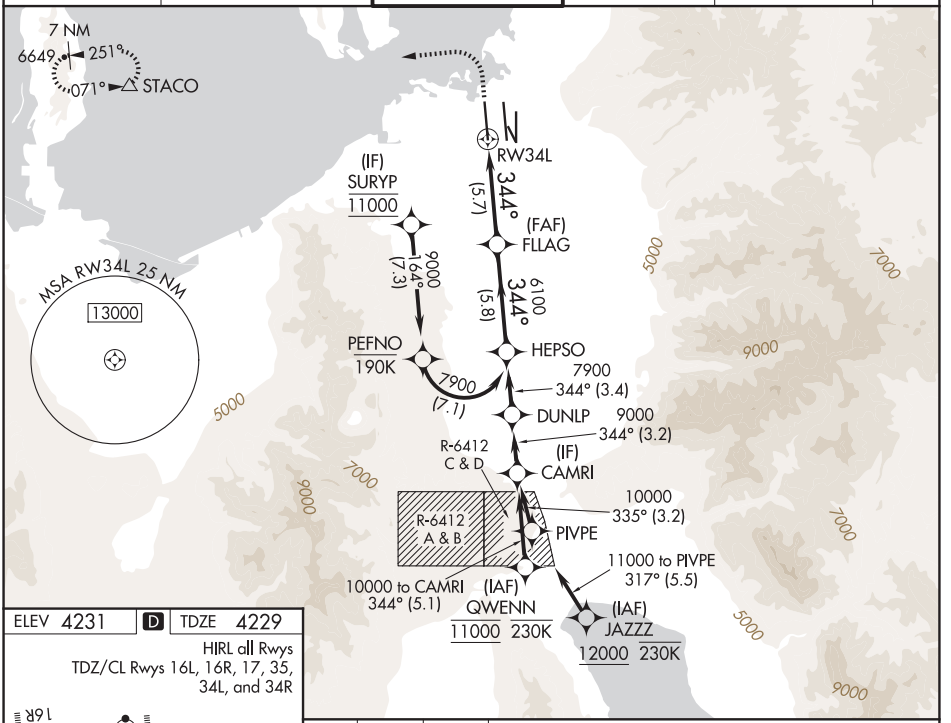
RNP AR APCH - GPS. Authorization required. From PEFNO: RF.

For uncompensated Baro-VNAV systems, procedure NA below -10°C or above 54°C. Simultaneous approach authorized. For inop ALS, increase RNP 0.10, RNP 0.20 visibility all Cats to RVR 4500, RNP 0.30 visibility all Cats to RVR 6000.

ALSF-2

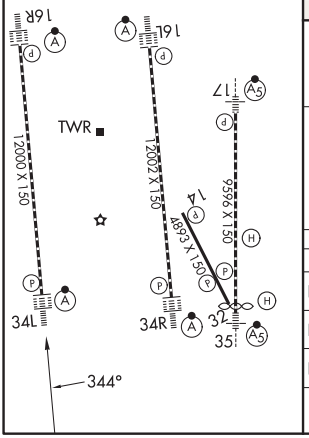
MISSED APPROACH: Climb to 4800 then climbing left turn to 8100 direct STACO and hold.
*Missed approach requires minimum climb of 250 feet per NM to 4700.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	



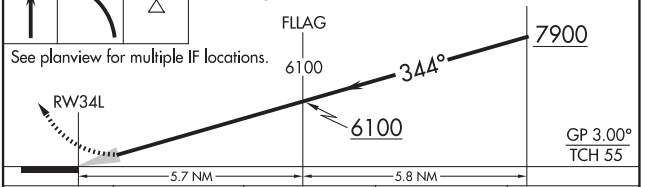
ELEV 4231 D TDZE 4229

HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R



4800	8100	STACO	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 73).

See planview for multiple IF locations.



CATEGORY	A	B	C	D
RNP 0.10 DA*	4490/24	261 (300-½)		
RNP 0.20 DA	4530/24	301 (300-½)		
RNP 0.30 DA	4643/40	414 (500-¾)		

AUTHORIZATION REQUIRED

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

RNAV (RNP) Z RWY 34R

SALT LAKE CITY INTL (SLC)

APP CRS	Rwy Ldg	12002
344°	TDZE	4225
	Apt Elev	4231

RNP AR APCH - GPS. Authorization required.

For uncompensated Baro-VNAV systems, procedure NA below -10°C or above 54°C. Simultaneous approach authorized.

ALSF-2

MISSED APPROACH: Climb to 9000 direct TCH VORTAC and on track 336° to OGD VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	

MISSED APCH FIX

8 NM 26° 306° OGDEN OGD

MSA RW34R 25 NM 13000

336° (23)

WASATCH TCH

RW34R

344° (5.7)

(FAF) CHEVL

344° (9.1) 6100

HAKKR 9000 344° (3.1)

10000 355° (5.2) (IF) ALGIE

10000 344° (3.3) CINDR

R-6412 A & B

R-6412 C & D

(IAF) QWENN 11000 230K

11000 321° (5.2)

(IAF) JAZZZ 12000 230K

5000 7000 9000

ELEV 4231 D TDZE 4225

HIRL all Rwys TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R

TWR

12000 X 150 12002 X 150 9536 X 150 4893 X 150

34L 34R 35 344°

9000	TCH	tr 336°	OGD

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 73).

ALGIE 10000 344° HAKKR 9000 CHEVL 6100 RW34R 6100

GP 3.00° TCH 55

5.7 NM 9.1 NM 3.1 NM

CATEGORY	A	B	C	D
RNP 0.10 DA	4546/26 321 (400-½)			
RNP 0.30 DA	4609/35 384 (400-⅝)			

AUTHORIZATION REQUIRED

SALT LAKE CITY, UTAH Orig 20FEB25 | 40°47'N-111°59'W | SALT LAKE CITY INTL (SLC)

RNAV (RNP) Z RWY 34R

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Z RWY 35

SALT LAKE CITY INTL (SLC)

APP CRS	Rwy Ldg	9272
346°	TDZE	4227
	Apt Elev	4231

RNP AR APCH - GPS.

For uncompensated Baro-VNAV systems, procedure NA below -10°C or above 54°C. For inop ALS, increase RNP 0.20 all Cats visibility to RVR 4500.

MALSR

MISSED APPROACH: Climb to 9000 direct KNOBY and on track 334° to OGD VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	

MISSED APCH FIX

8 NM 26° 306° OGDEN OGD

MSA RW35 25 NM 13000

334° (22.3) KNOBY

RW35

Final approach course offset 3.00°.

346° (5.7)

(FAF) YICYU

6100

343° (9.1)

ZEPOG 9000

344° (3.1)

(IF) PEDLE 210K

10000

001° (5.2)

10000 344° (3.1)

R-6412 A & B

R-6412 C & D

HLMET

11000 326° (5.1)

(IAF) QWENN 11000 230K

(IAF) JAZZZ 12000 230K

5000 7000 9000

ELEV 4231 D TDZE 4227

HIRL all Rwys

TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R

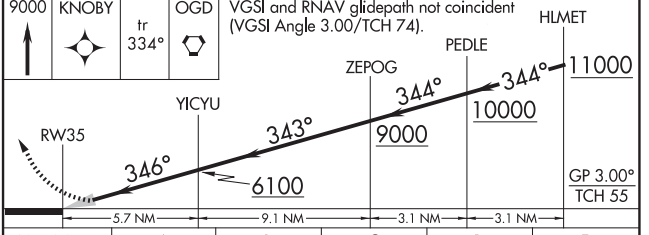
TWR

16R 16L 17 35 34L 34R 12000 X 150 12002 X 150 4893 X 150 9256 X 150

346°

9000 KNOBY tr 334° OGD

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 74).



CATEGORY	A	B	C	D	E
RNP 0.20 DA	4502/24 275 (300-½)				
RNP 0.30 DA	4625/35 398 (400-⅝)				

AUTHORIZATION REQUIRED

SALT LAKE CITY, UTAH

Orig 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)

RNAV (RNP) Z RWY 35

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg 12002
CH 70546	164°	TDZE 4231
W16B		Apt Elev 4231

RNAV (GPS) Y RWY 16L

SALT LAKE CITY INTL (SLC)

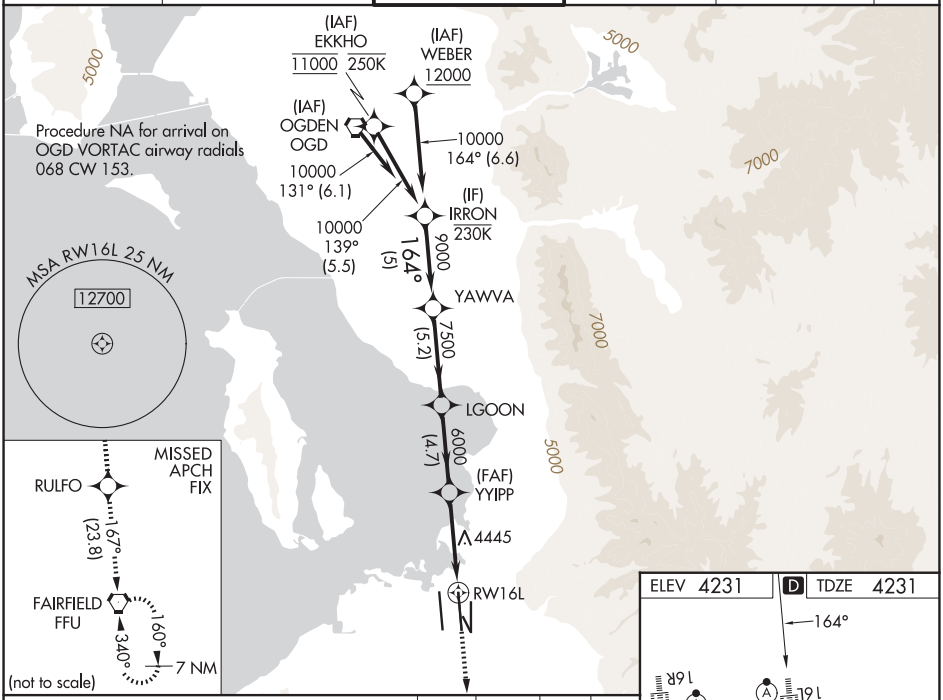
RNP APCH - GPS.

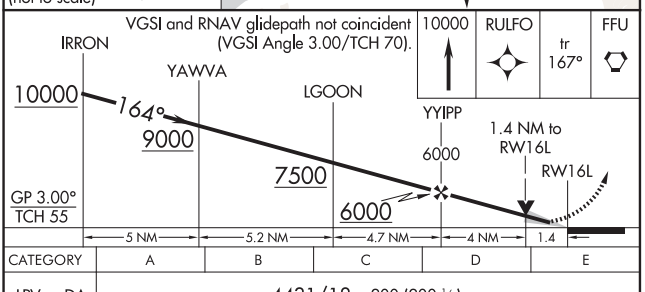
T LNAV procedure NA during simultaneous operations. Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -10°C or above 49°C. For inop ALS, increase LPV Cat E visibility to RVR 4000, increase LNAV/VNAV Cat A visibility to RVR 4500, increase Cats C/D visibility to RVR 5500, increase Cat E visibility to 6000, and increase LNAV Cat E visibility to 1½ SM.

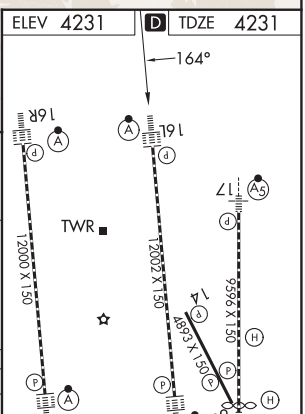
ALSF-2 (A)

MISSED APPROACH: Climb to 10000 direct RULFO and on track 167° to FFU VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	







CATEGORY	A	B	C	D	E
LPV DA	4431/18 200 (200-½)				
LNAV/VNAV DA	4537/24 306 (400-½)	4559/26 328 (400-½)	4574/30 343 (400-⅝)	4593/35 362 (400-⅝)	4634/40 403 (500-¾)
LNAV MDA	4760/24 529 (600-½)		4760/55 529 (600-1)		

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS CH 42746 W16A	APP CRS 164°	Rwy Ldg 12000 TDZE 4226 Apt Elev 4231

RNAV (GPS) Y RWY 16R

SALT LAKE CITY INTL (SLC)

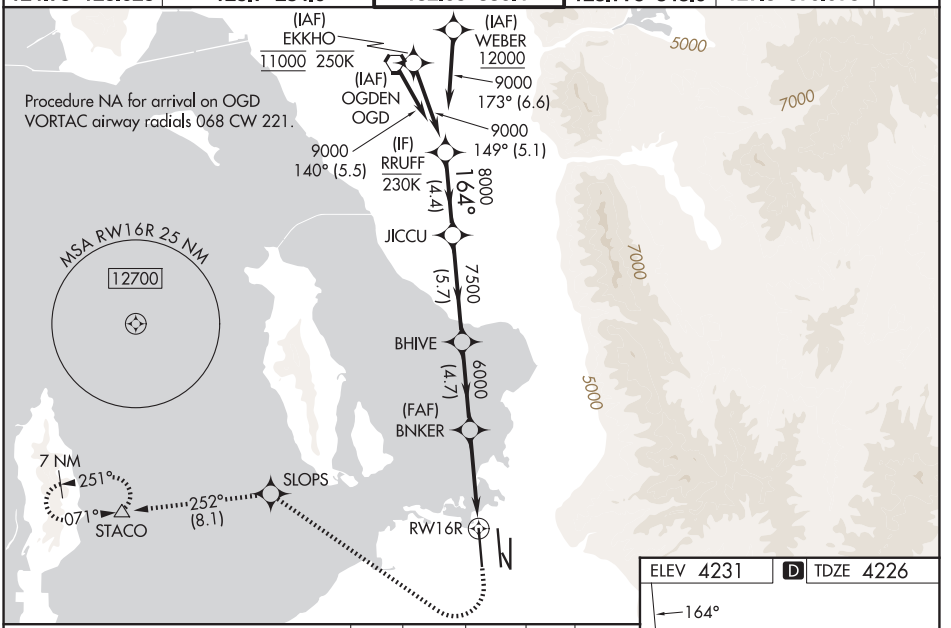
RNP APCH - GPS.

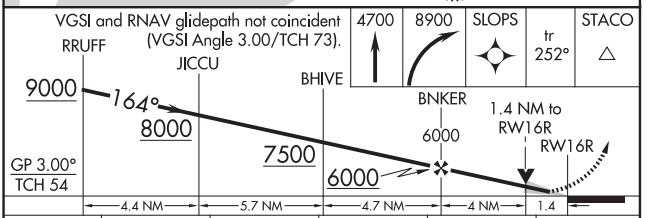
T Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -10°C or above 50°C. For inop ALS, increase LPV* Cat E visibility to RVR 4000, increase LPV Cat E visibility to RVR 4500, increase LNAV/VNAV Cat E visibility to RVR 6000, increase LNAV# Cat E visibility to 1⅜ SM, increase LNAV Cats C/D visibility to 1⅜ SM, and increase LNAV Cat E visibility to 2½ SM. Cat E restricted to USAF/USN aircraft.

ALSF-2

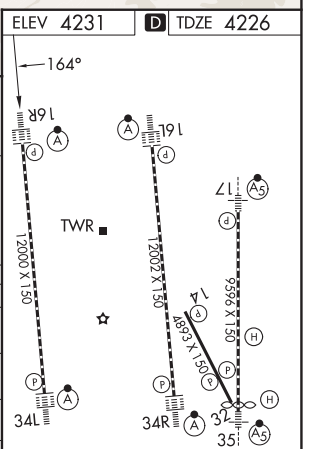
MISSED APPROACH: Climb to 4700 then climbing right turn to 8900 direct SLOPS and on track 252° to STACO and hold, continue climb-in-hold.
*Missed approach requires minimum climb of 225 feet per NM to 6400 for Cat E aircraft.
#Missed approach requires minimum climb of 210 feet per NM to 6200 for Cat E aircraft.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	





CATEGORY	A	B	C	D	E
LPV DA*	NA				4426/18 200 (200-½)
LPV DA	4426/18 200 (200-½)				4489/20 263 (300-½)
LNAV/VNAV DA	4620/35 394 (400-⅝)				
LNAV MDA#	NA				4740/55 514 (600-1)
LNAV MDA	4740/24 514 (600-½)		4740/55 514 (600-1)		5000-1¾ 774 (800-1¾)



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

RNAV (GPS) Y RWY 17

SALT LAKE CITY INTL (SLC)

WAAS CH 82338 W17A	APP CRS 169°	Rwy Ldg 9596 TDZE 4222 Apt Elev 4231

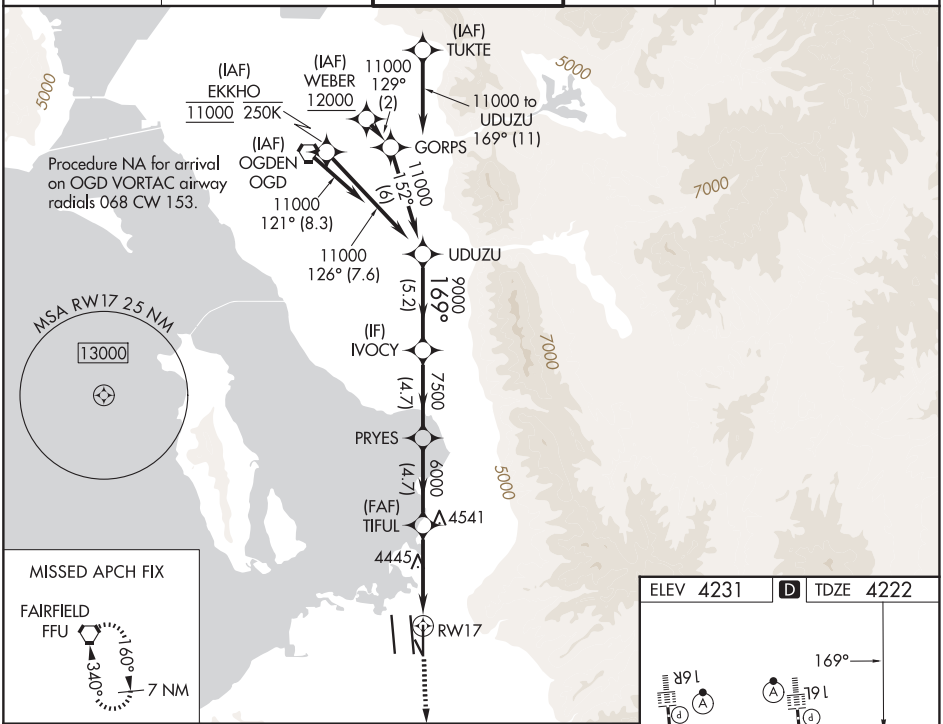
RNP APCH - GPS.

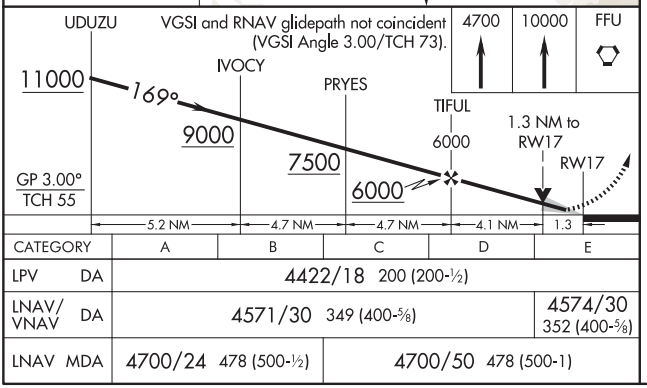
T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -10°C or above 49°C. Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 5500, and LNAV Cat C/D/E visibility to 1⅜ SM.

MALSR

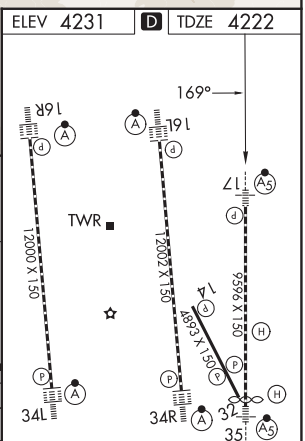
MISSED APPROACH: Climb to 4700 then climb to 10000 direct FFU VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	





CATEGORY	A	B	C	D	E
LPV DA	4422/18 200 (200-½)				
LNAV/VNAV DA	4571/30 349 (400-⅝)				4574/30 352 (400-⅝)
LNAV MDA	4700/24 478 (500-½)		4700/50 478 (500-1)		



SALT LAKE CITY, UTAH
Amdt 3 20FEB25

40°47′N-111°59′W

SALT LAKE CITY INTL (SLC)

RNAV (GPS) Y RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) Y RWY 34L

SALT LAKE CITY INTL (SLC)

WAAS	APP CRS	Rwy Ldg	12000
CH 70432	344°	TDZE	4229
W34B		Apt Elev	4231

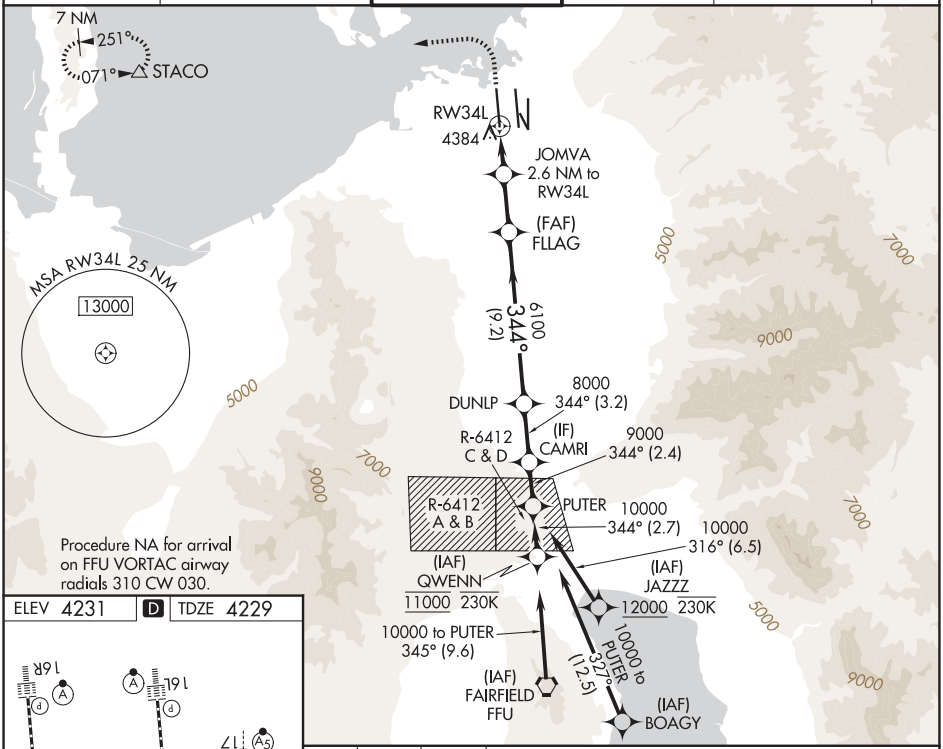
RNP APCH - GPS.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -10°C or above 49°C. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 6000, LNAV Cat E visibility to 1¼ SM. Cat E restricted to USAF/USN aircraft.

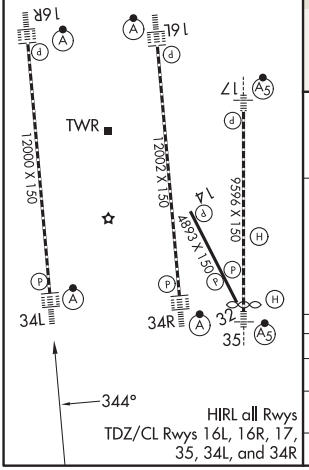
ALSF-2

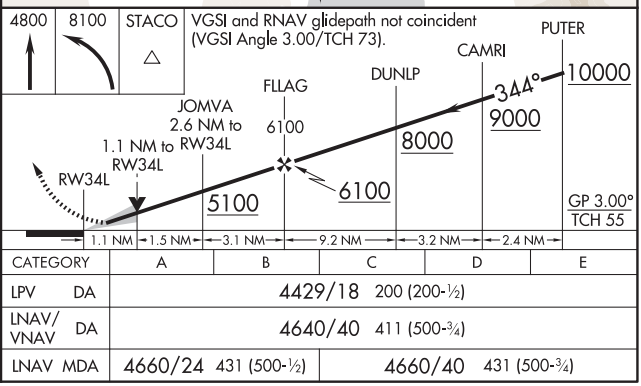
MISSED APPROACH: Climb to 4800 then climbing left turn to 8100 direct STACO and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	132.65 336.4	123.775 348.6	127.3 379.975	



ELEV 4231 D TDZE 4229





CATEGORY	A	B	C	D	E
LPV DA	4429/18 200 (200-½)				
LNAV/VNAV DA	4640/40 411 (500-¾)				
LNAV MDA	4660/24 431 (500-½)		4660/40 431 (500-¾)		

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

WAAS	APP CRS	Rwy Ldg	12002
CH 49230	344°	TDZE	4225
W34A		Apt Elev	4231

RNAV (GPS) Y RWY 34R

SALT LAKE CITY INTL (SLC)

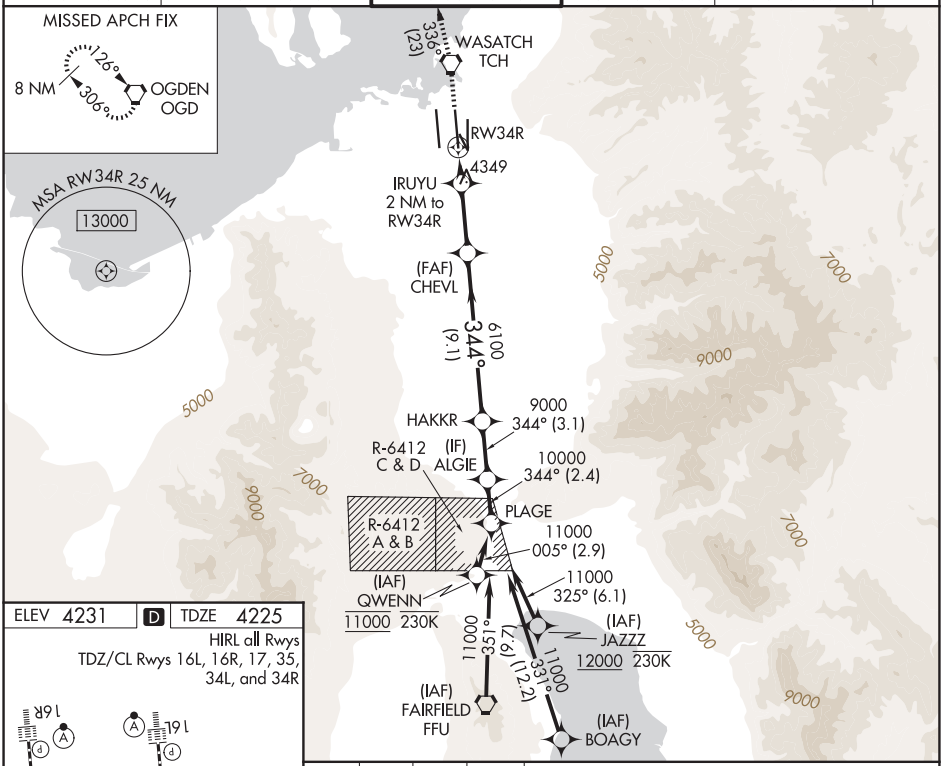
RNP APCH - GPS.

Simultaneous approach authorized. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -10°C or above 49°C. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to RVR 5000, LNAV Cats C/D visibility to RVR 5500, LNAV Cat E visibility to RVR 6000. Cat E restricted to USAF/USN aircraft.

ALSF-2

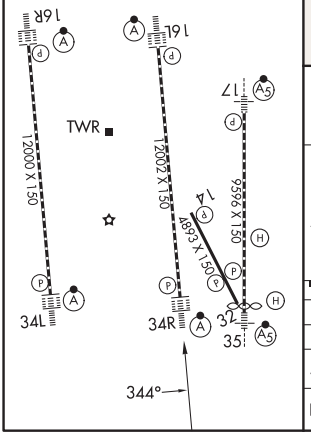
MISSED APPROACH: Climb to 9000 direct TCH VORTAC and on track 336° to OGD VORTAC and hold.

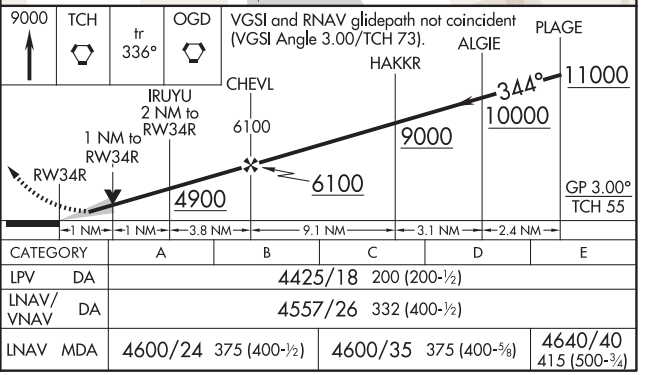
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	119.05 257.8	123.775 348.6	127.3 379.975	



ELEV 4231 | D | TDZE 4225

HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R





CATEGORY	A	B	C	D	E
LPV DA	4425/18 200 (200-½)				
LNAV/VNAV DA	4557/26 332 (400-½)				
LNAV MDA	4600/24 375 (400-½)		4600/35 375 (400-⅝)		4640/40 415 (500-¾)

SALT LAKE CITY, UTAH
Amdt 2 20FEB25

40°47'N-111°59'W

SALT LAKE CITY INTL (SLC)

RNAV (GPS) Y RWY 34R

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) Y RWY 35

SALT LAKE CITY INTL (SLC)

WAAS CH 42843 W35A	APP CRS 344°	Rwy Ldg 9272 TDZE 4227 Apt Elev 4231

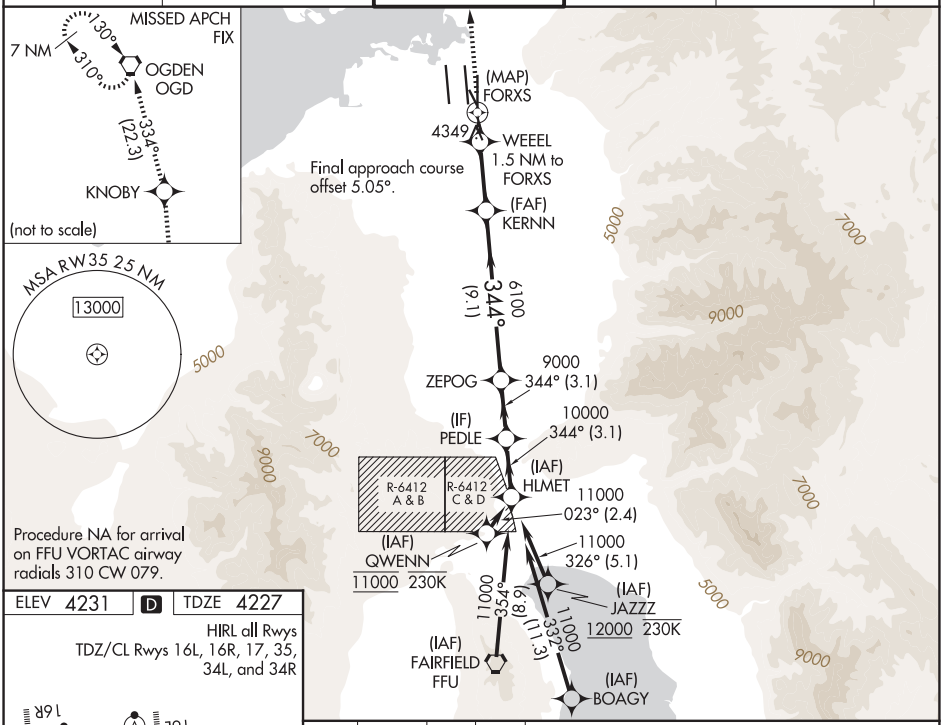
RNP APCH - GPS.

Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C or above 49°C. Use of FD or AP required during simultaneous operations. For inop ALS, increase LPV Cat E visibility to RVR 4000, increase LNAV/VNAV all Cats visibility to RVR 4500, and increase LNAV Cats C/D/E visibility to RVR 5500.

MALSR

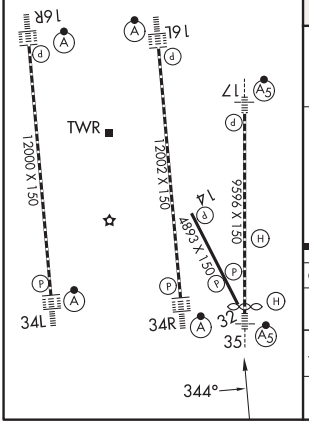
MISSED APPROACH: Climb to 9000 direct KNOBY and on track 334° to OGD VORTAC and hold.

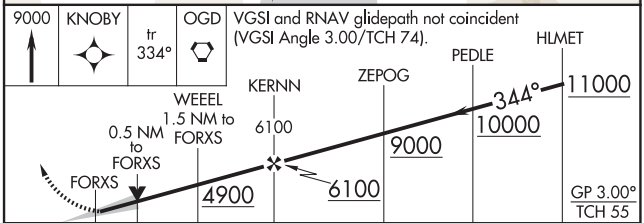
D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	



ELEV 4231 D TDZE 4227

HIRL all Rwys
TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R





CATEGORY	A	B	C	D	E
LPV DA	4478/24 251 (300-½)				
LNAV/VNAV DA	4500/24 273 (300-½)			4507/24 280 (300-½)	4547/24 320 (400-½)
LNAV MDA	4600/24 373 (400-½)		4600/40 373 (400-¾)		

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH | AL-365 (FAA) | 25219

LDA RWY 35

SALT LAKE CITY INTL (SLC)

LOC/DME I-UTJ	APP CRS	Rwy Ldg	9272
111.5	344°	TDZE	4227
Chan 52		Apt Elev	4231

RNP APCH - GPS. From QWENN or JAZZZ.

DME required.

T Simultaneous approach authorized. For inop ALS, increase S-LDA/GS 35 all Cats visibility to RVR 4000, increase S-LDA 35 Cat E visibility to 1¼ SM. Cat E restricted to USAF/USN aircraft.

MALSR

MISSED APPROACH: Climb to 4800 then climbing left turn to 9000 direct TCH VORTAC and on TCH VORTAC R-331 to OGD VORTAC and hold.

D-ATIS	SALT LAKE CITY APP CON	SALT LAKE CITY TOWER	GND CON	CLNC DEL	CPDLC
124.75 125.625	125.7 284.6	118.3 257.8	121.9 348.6	127.3 379.975	

MISSED APCH FIX

R-310-130°-310°

OGDEN OGD 115.7 Chan 104

WASATCH 116.8 TCH Chan 115

Final approach course offset 5.05°.

LOCALIZER 111.5 I-UTJ Chan 52

MSA TCH 2.5 NM 12700

FORXS I-UTJ 0.2 — 4349 — WEEEL I-UTJ 1.7

KERNN I-UTJ 5.5

DRAPE I-UTJ 9.6

ZEPOG I-UTJ 14.6

(IF) PEDLE I-UTJ 17.7

11000 023° (2.4)

10000 344° (3.1)

(IAF) HLMET I-UTJ 20.9

(IAF) QWENN 11000 230K

(IAF) JAZZZ 12000 230K

11000 to HLMET 349° (8.9)

IAF FAIRFIELD 116.6 FFU Chan 113

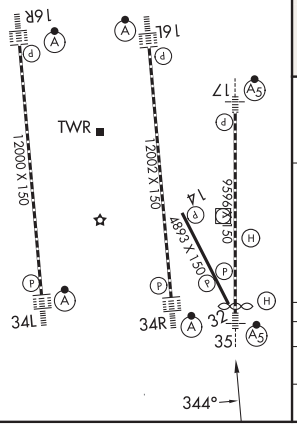
R-6412 A & B — R-6412 C & D

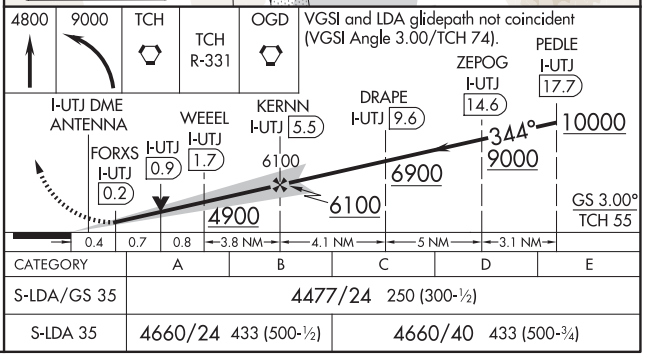
Procedure NA for arrival on FFU VORTAC airway radials 310 CW 030.

LDA/GLIDE SLOPE

ELEV 4231 | D | TDZ 4227

HIRL all Rwys TDZ/CL Rwys 16L, 16R, 17, 35, 34L, and 34R

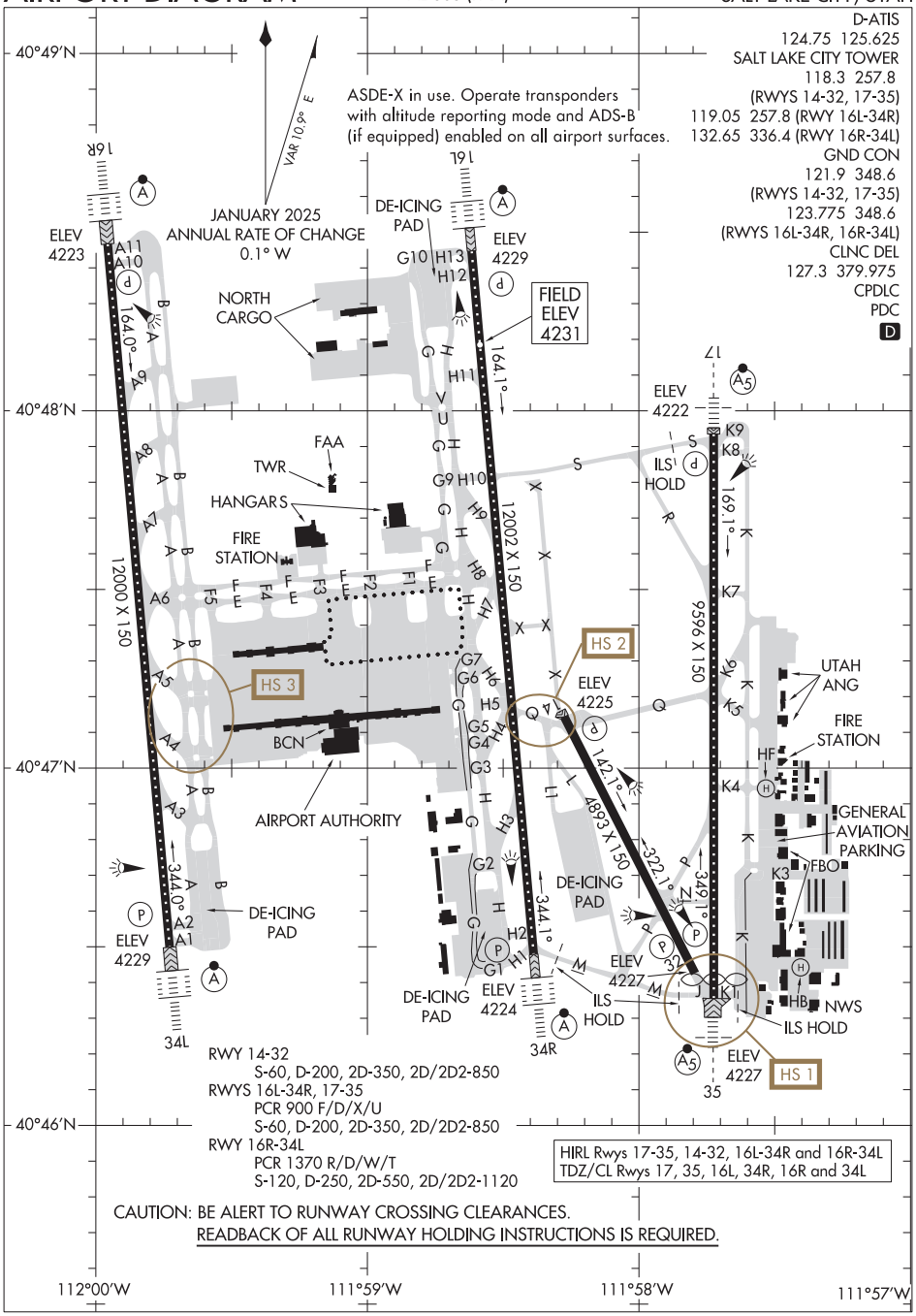




CATEGORY	A	B	C	D	E
S-LDA/GS 35	4477/24 250 (300-½)				
S-LDA 35	4660/24 433 (500-½)		4660/40 433 (500-¾)		

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025


D-ATIS
124.75 125.625
SALT LAKE CITY TOWER
118.3 257.8
(RWYS 14-32, 17-35)
119.05 257.8 (RWY 16L-34R)
132.65 336.4 (RWY 16R-34L)
GND CON
121.9 348.6
(RWYS 14-32, 17-35)
123.775 348.6
(RWYS 16L-34R, 16R-34L)
CLNC DEL
127.3 379.975
CPDLC
PDC
D
ASDE-X in use. Operate transponders with altitude reporting mode and ADS-B (if equipped) enabled on all airport surfaces.
VAR 10.9° E
JANUARY 2025
ANNUAL RATE OF CHANGE
0.1° W
40°49'N
40°48'N
40°47'N
40°46'N
112°00'W
111°59'W
111°58'W
111°57'W
16R
16L
17
ELEV 4223
ELEV 4229
ELEV 4231
ELEV 4222
ELEV 4225
ELEV 4227
ELEV 4224
DE-ICING PAD
NORTH CARGO
FIELD ELEV 4231
FAA
TWR
HANGARS
FIRE STATION
BCN
AIRPORT AUTHORITY
ILS HOLD
HS 1
HS 2
HS 3
UTAH ANG
FIRE STATION
GENERAL AVIATION PARKING
FBO
NWS
12000 X 150
12002 X 150
9596 X 150
4893 X 150
164.0°
164.1°
169.1°
142.1°
322.1°
344.0°
349.1°
341.1°
34L
34R
35
RWY 14-32
S-60, D-200, 2D-350, 2D/2D2-850
RWYS 16L-34R, 17-35
PCR 900 F/D/X/U
S-60, D-200, 2D-350, 2D/2D2-850
RWY 16R-34L
PCR 1370 R/D/W/T
S-120, D-250, 2D-550, 2D/2D2-1120
HIRL Rwys 17-35, 14-32, 16L-34R and 16R-34L
TDZ/CL Rwys 17, 35, 16L, 34R, 16R and 34L
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

(ARCHZ1.ARCHZ) 18144

ARCHZ ONE DEPARTURE (RNAV)

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

SW-4, 07 AUG 2025 to 02 OCT 2025

D-ATIS
124.75 125.625
CLNC DEL
127.3 379.975
CPDLC
GND CON
121.9 348.6 (Rwys 14-32, 17-35)
123.775 348.6 (Rwys 16L-34R, 16R-34L)
SALT LAKE CITY TOWER
119.05 257.8 (Rwy 16L-34R)
118.3 257.8 (Rwys 14-32, 17-35)
132.65 336.4 (Rwy 16R-34L)
SALT LAKE CITY DEP CON
128.1 307.05

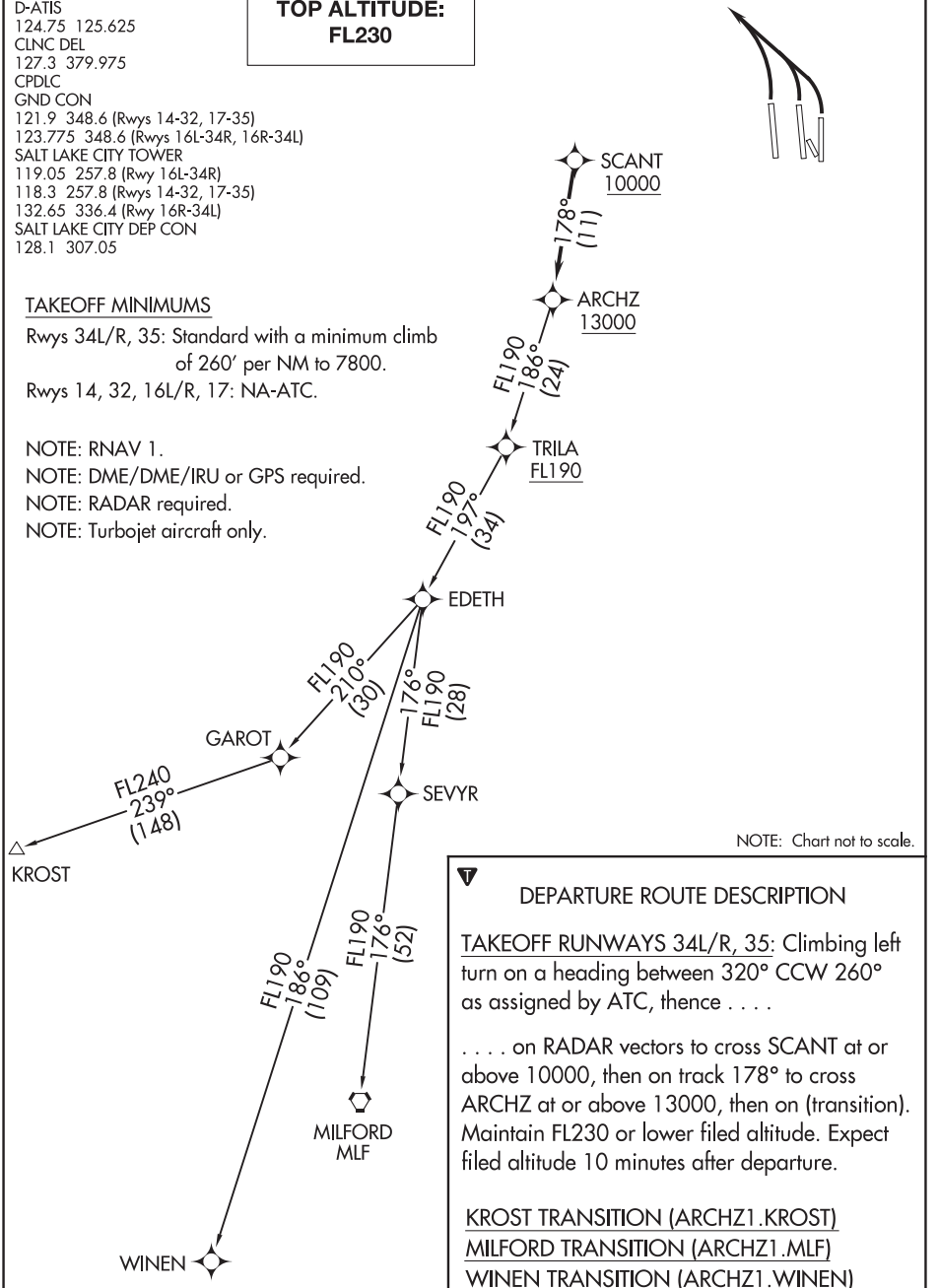
TOP ALTITUDE: FL230

TAKEOFF MINIMUMS

Rwys 34L/R, 35: Standard with a minimum climb of 260′ per NM to 7800.

Rwys 14, 32, 16L/R, 17: NA-ATC.

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: Turbojet aircraft only.



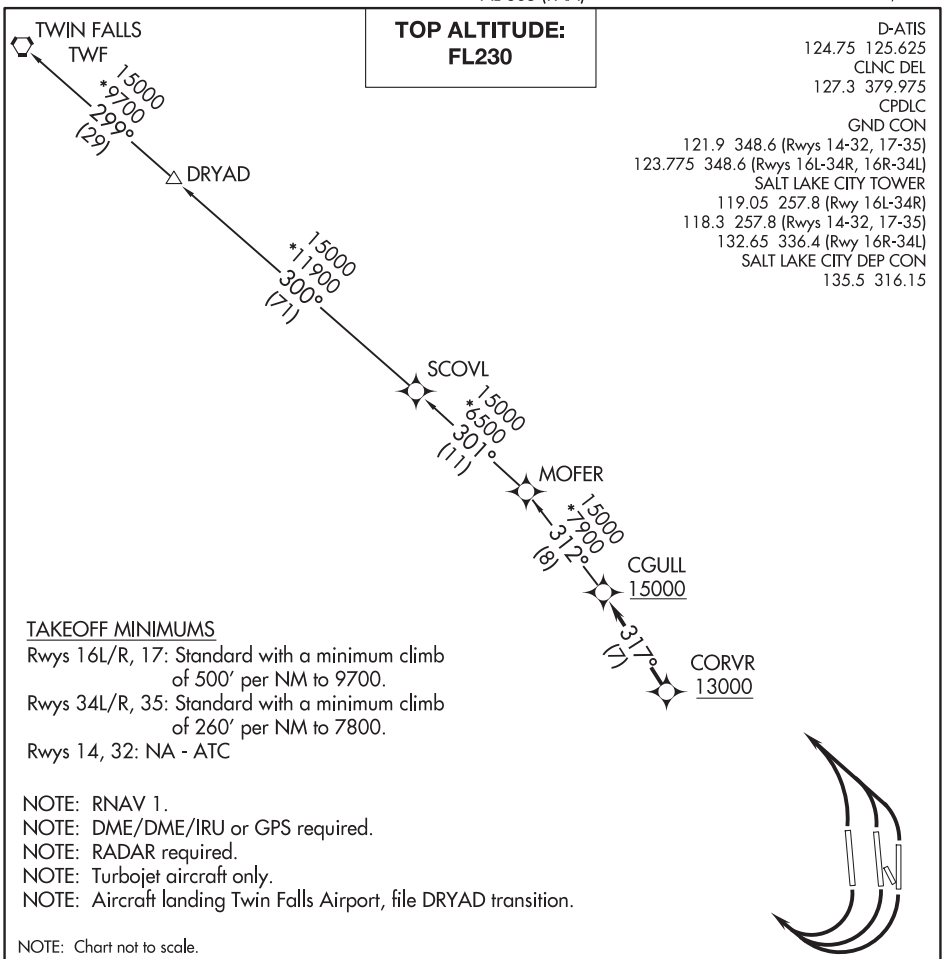
NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 34L/R, 35: Climbing left turn on a heading between 320° CCW 260° as assigned by ATC, thence . . . .

. . . . on RADAR vectors to cross SCANT at or above 10000, then on track 178° to cross ARCHZ at or above 13000, then on (transition). Maintain FL230 or lower filed altitude. Expect filed altitude 10 minutes after departure.

KROST TRANSITION (ARCHZ1.KROST)
MILFORD TRANSITION (ARCHZ1.MLF)
WINEN TRANSITION (ARCHZ1.WINEN)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 16L/R, 17: Climbing right turn on a heading between 280° CW 340° as assigned by ATC, thence. . . .
TAKEOFF RUNWAYS 34L/R, 35: Climbing left turn on a heading between 320° CCW 260° as assigned by ATC, thence. . . .

. . . .on RADAR vectors to cross CORVR at or above 13000, then on track 317° to cross CGULL at or above 15000, then on (transition). Maintain FL230 or lower filed altitude. Expect filed altitude 10 minutes after departure.

DRYAD TRANSITION (CGULL1.DRYAD)

TWIN FALLS TRANSITION (CGULL1.TWF)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(DEZRT2.DEZRT) 24361

DEZRT TWO DEPARTURE (RNAV)

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

SW-4, 07 AUG 2025 to 02 OCT 2025

D-ATIS 124.75 125.625
CLNC DEL 127.3 379.975
CPDLC
GND CON 121.9 348.6 (Rwys 14-32, 17-35) 123.775 348.6 (Rwys 16L-34R, 16R-34L)
SALT LAKE CITY TOWER 119.05 257.8 (Rwy 16L-34R) 118.3 257.8 (Rwys 14-32, 17-35) 132.65 336.4 (Rwy 16R-34L)
SALT LAKE CITY DEP CON 135.5 316.15

RNAV 1 - DME/DME/IRU or GPS.

RADAR required.

TOP ALTITUDE: 15000

NOTE: Turbojet aircraft only.

N

BATTLE MOUNTAIN BAM

FL240 *12200 250° (70)

ANTMO

FL240 *12900 251° (30)

PECOP

FL240 *10800 259° (42)

TIPTN

FL230 *9600 259° (46)

DEZRT 15000

253° (12)

BONNE 14000

254° (7)

DURCH 12000

FL240 *12500 208° (121)

ASTNN

FL240 *14000 232° (87)

MINA MVA

MSA SLC 25 NM

13000

TAKEOFF MINIMUMS

Rwys 14, 32: NA-ATC.

Rwy 16L: Standard with minimum climb of 470' per NM to 9900.

Rwy 16R: Standard with minimum climb of 500' per NM to 9700.

Rwy 17: Standard with minimum climb of 425' per NM to 9400.

Rwy 34L: Standard with minimum climb of 250' per NM to 7500.

Rwy 34R: Standard with minimum climb of 235' per NM to 7500.

Rwy 35: Standard with minimum climb of 220' per NM to 7500.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 16L/R, 17: Climbing right turn on a heading between 280° CW 340° from DER as assigned by ATC, thence . . . .

TAKEOFF RUNWAYS 34L/R, 35: Climbing left turn on a heading between 260° CW 320° from DER as assigned by ATC, thence . . . .

. . . . on RADAR vectors to cross DURCH at or above 12000, then on track 254° to cross BONNE at or above 14000, then on track 253° to cross DEZRT at or above 15000, then on (transition). Maintain 15000. Expect filed altitude 10 minutes after departure.

BATTLE MOUNTAIN TRANSITION (DEZRT2.BAM)

MINA TRANSITION (DEZRT2.MVA)

SW-4, 07 AUG 2025 to 02 OCT 2025

FAIRFIELD NINE DEPARTURE

AL-365 (FAA)

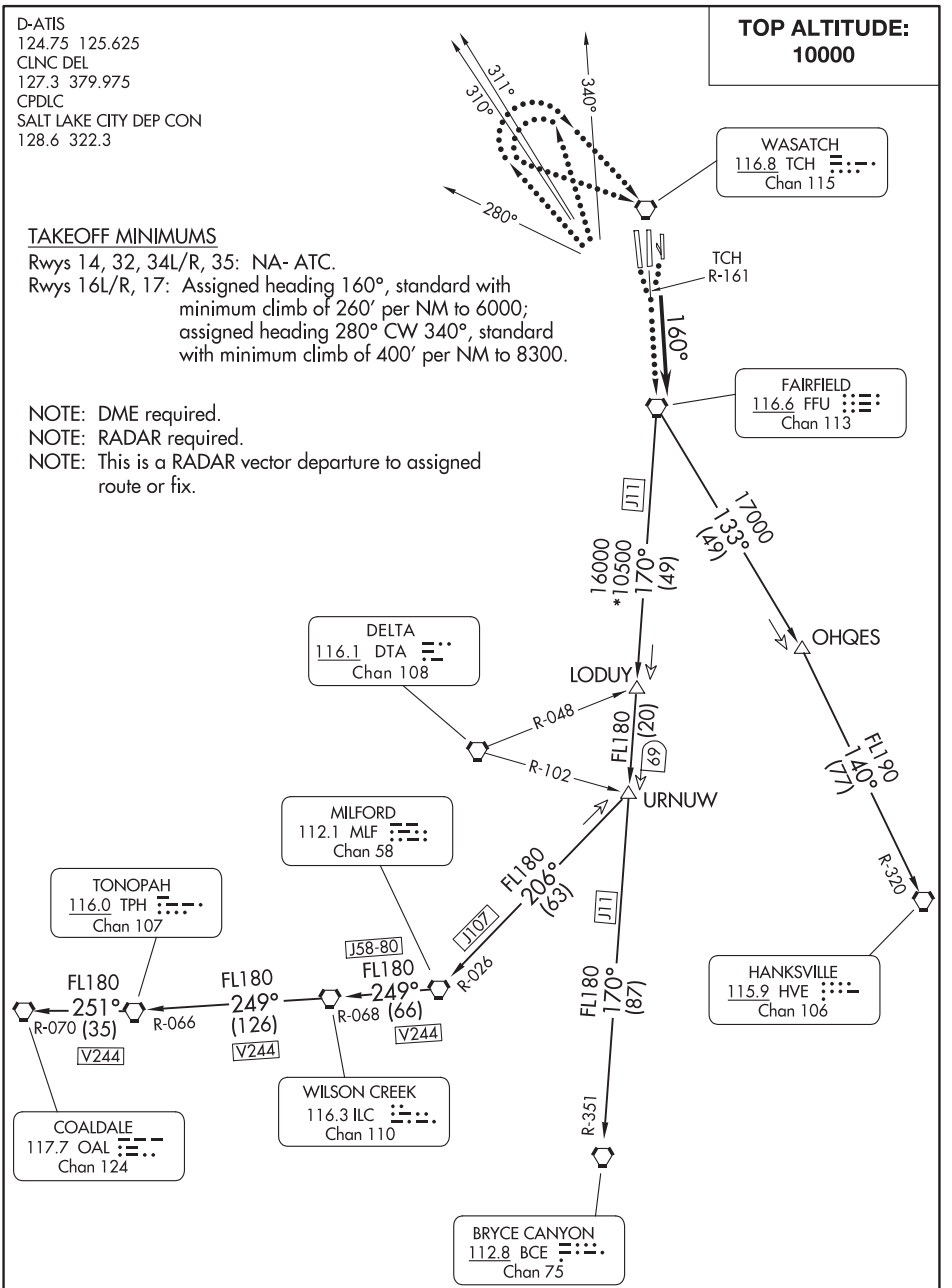
SW-4, 07 AUG 2025 to 02 OCT 2025

D-ATIS
124.75 125.625
CLNC DEL
127.3 379.975
CPDLC
SALT LAKE CITY DEP CON
128.6 322.3

TOP ALTITUDE: 10000

TAKEOFF MINIMUMS
Rwys 14, 32, 34L/R, 35: NA- ATC.
Rwys 16L/R, 17: Assigned heading 160°, standard with minimum climb of 260′ per NM to 6000; assigned heading 280° CW 340°, standard with minimum climb of 400′ per NM to 8300.

NOTE: DME required.
NOTE: RADAR required.
NOTE: This is a RADAR vector departure to assigned route or fix.



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(FFU9.FFU) 17229
FAIRFIELD NINE DEPARTURE

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 16L/R, 17: Climb on heading 160° or as assigned, maintain 10000 or assigned lower altitude. Thence . . . .
. . . . expect RADAR vectors to FFU VORTAC then on filed/assigned transition.
Expect clearance to filed altitude 10 minutes after departure.

LOST COMMUNICATIONS: If not in contact with departure control 1 minute after takeoff:
RUNWAYS 16L and 17: Assigned heading 160°, turn right, thence . . . .
RUNWAY 16R: Assigned heading 160°, turn left, thence . . . .
. . . . climb to 11000 via TCH R-161 to FFU VORTAC and continue climb via assigned/filed transition.
RUNWAYS 16L/R, 17: Assigned heading 280° CW 340°, fly assigned heading to 11000. Then, aircraft heading 280° CW 310°, execute a climbing right turn, thence . . . .
. . . . aircraft heading 311° CW 340°, execute a climbing left turn, thence . . . .
. . . . direct TCH VORTAC, TCH R-161 to FFU VORTAC, and continue climb via assigned/filed transition.

BRYCE CANYON TRANSITION (FFU9.BCE): From over FFU VORTAC on FFU R-170 to URNUW, then on FFU R-170 and BCE R-351 to BCE VORTAC.
COALDALE TRANSITION (FFU9.OAL): From over FFU VORTAC on FFU R-170 and MLF R-026 to MLF VORTAC, then on MLF R-249 and ILC R-068 to ILC VORTAC, then on ILC R-249 and TPH R-066 to TPH VORTAC, then on TPH R-251 and OAL R-070 to OAL VORTAC.
HANKSVILLE TRANSITION (FFU9.HVE): From over FFU VORTAC on FFU R-133 and HVE R-320 to HVE VORTAC.
MILFORD TRANSITION (FFU9.MLF): From over FFU VORTAC on FFU R-170 and MLF R-026 to MLF VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 16L/R, 17: Climbing right turn on a heading between 280° CW 340° from DER as assigned by ATC, thence . . . .
TAKEOFF RUNWAYS 34L/R, 35: Climbing left turn on a heading between 310° CW 340° from DER as assigned by ATC, thence . . . .

. . . . on RADAR vectors to cross BUBBY at or above 11000, then on track 054° to cross RUGGD at or above 12000, then on (transition). Maintain FL230 or lower filed altitude. Expect filed altitude 10 minutes after departure.

HOLTR TRANSITION (RUGGD3.HOLTR)
KIERA TRANSITION (RUGGD3.KIERA)
MEEKER TRANSITION (RUGGD3.EKR)
PERTY TRANSITION (RUGGD3.PERTY)
ROCK SPRINGS TRANSITION (RUGGD3.OCS)

SW-4, 07 AUG 2025 to 02 OCT 2025

D-ATIS
124.75 125.625
CLNC DEL
127.3 379.975
CPDLC
SALT LAKE CITY DEP CON
128.6 322.3

TOP ALTITUDE: 10000

NOTE: RADAR required.
NOTE: This is a RADAR vector departure to assigned route or fix.

TAKEOFF MINIMUMS

Rwys 14, 16R, 16L, 17: Assigned heading 163°, standard with minimum climb of 260' per NM to 6000. Assigned heading 283° CW 343°, standard with minimum climb of 400' per NM to 8300.

Rwy 32: Assigned heading 263° CW 343° standard with minimum climb of 498' per NM to 7800 or 400-1 with minimum climb of 260' per NM to 7800.

Rwys 34L, 34R, 35: Assigned heading 263° CW 322°, standard with minimum climb of 260' per NM to 7800. Assigned heading 323° CW 343°, standard with minimum climb of 260' per NM to 7800.

(CONTINUED ON FOLLOWING PAGE)

(SLC4.TCH) 17229

SALT LAKE FOUR DEPARTURE

AL-365 (FAA)

SALT LAKE CITY INTL (SLC)
SALT LAKE CITY, UTAH

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 14, 16L, 16R, 17: Climb heading 163° or as assigned, maintain 10000 or assigned lower altitude. Thence . . . .
TAKEOFF RUNWAYS 32, 34L, 34R, 35: Climb heading 343° or as assigned, maintain 10000 or assigned lower altitude. Thence . . . .

. . . . expect vectors to assigned route or fix. Expect clearance to filed altitude 10 minutes after departure. Aircraft filed/assigned heading 334° CW 112° expect RADAR vectors eastbound leaving 11000 due to high terrain east of TCH VORTAC.

LOST COMMUNICATIONS: If not in contact with departure control 1 minute after takeoff:
RUNWAYS 14, 16L and 17: Assigned heading 163°, turn right thence . . . .
RUNWAY 16R: Assigned heading 163°, turn left thence . . . .
. . . . climb to 11000 on TCH R-161 to FFU VORTAC. Aircraft departing FFU VORTAC R-111 CW R-269, climb on assigned route. All others continue climb in FFU VORTAC holding pattern to cross FFU VORTAC at or above: R-351 CW R-110, 12500; R-270 CW R-350, 11600.

RUNWAYS 14, 16L, 16R, 17: Assigned heading 283° CW 343°, fly assigned heading to 11000. Then, aircraft heading 283° CW 313°, execute a climbing right turn thence . . . .
. . . .aircraft heading 314° CW 343° execute a climbing left turn, thence . . . .
. . . .proceed direct TCH VORTAC. Cross TCH VORTAC at or above 11400 and proceed on course.

RUNWAYS 32, 34L, 34R, 35: Climb direct TCH VORTAC. Aircraft departing TCH VORTAC R-240 CW R-340, climb on course. All others, continue climb on TCH R-249 to 7500, then climbing right turn direct TCH VORTAC. Continue climb in TCH VORTAC holding pattern to cross TCH VORTAC at or above: R-070 CW R-150, 11400; R-151 CW R-175, 8200; R-176 CW R-239, 9900; R-341 CW R-069, 10400. Climb on course.

SW-4, 07 AUG 2025 to 02 OCT 2025

D-ATIS
124.75 125.625
CLNC DEL
127.3 379.975
CPDIC
SALT LAKE CITY DEP CON
128.1 307.05

TAKEOFF MINIMUMS
Rwys 14, 16L/R, and 17: NA - Operational.
Rwy 32: 400-1 or standard with a minimum climb of 450' per NM to 7500.
Rwys 34L/R and 35: Aircraft assigned heading 263° CW through 322° standard with a minimum climb of 260' per NM to 7500. Aircraft assigned heading 323° CW through 343° standard with a minimum climb of 340' per NM to 7500.

NOTE: This is a RADAR vector departure to assigned route or fix.
NOTE: For turbojet and turboprop aircraft only.
NOTE: RADAR required.

(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 32, 34L/R, and 35: Climb on heading 263° or as assigned for RADAR vectors to assigned route or fix. Maintain 10000 or assigned lower altitude. Expect clearance to filed altitude 10 minutes after departure.

LOST COMMUNICATIONS: If not in contact with departure control within 1 minute after takeoff, fly assigned heading to 11000. Then, aircraft assigned heading 313° CW through 343°, execute a climbing left turn, all others execute a climbing right turn to TCH VORTAC. Continue climb in the TCH VORTAC holding pattern to cross TCH VORTAC at or above 11500. Proceed on course.

COALDALE TRANSITION (SEVYR3.OAL): From over TCH VORTAC on TCH R-193 and MLF R-350 to SEVYR, then on DTA R-238 and OAL R-054 to OAL VORTAC.

MILFORD TRANSITION (SEVYR3.MLF): From over TCH VORTAC on TCH R-193 and MLF R-350 to MLF VORTAC.

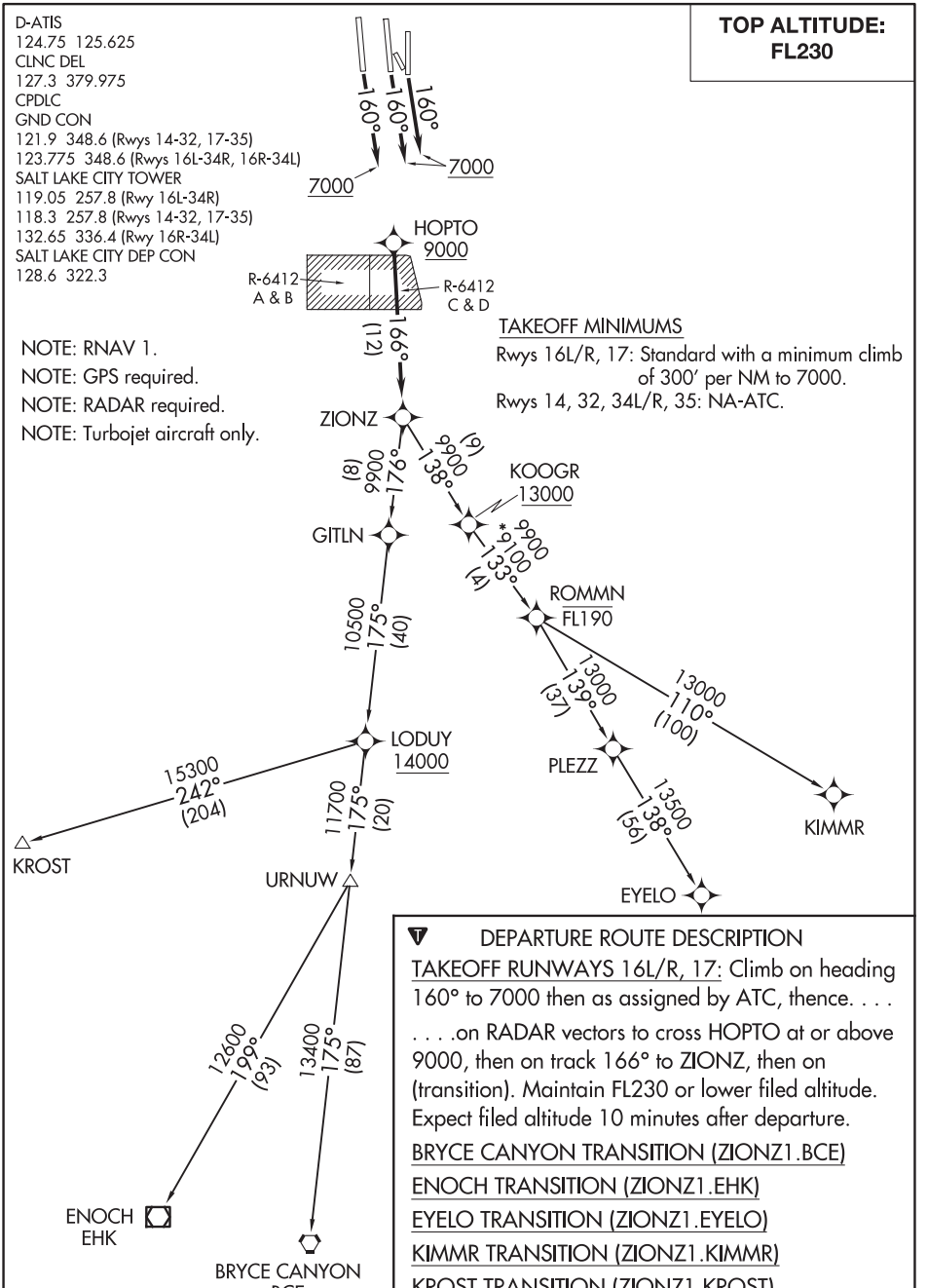
SW-4, 07 AUG 2025 to 02 OCT 2025

D-ATIS
124.75 125.625
CLNC DEL
127.3 379.975
CPDLC
GND CON
121.9 348.6 (Rwys 14-32, 17-35)
123.775 348.6 (Rwys 16L-34R, 16R-34L)
SALT LAKE CITY TOWER
119.05 257.8 (Rwy 16L-34R)
118.3 257.8 (Rwys 14-32, 17-35)
132.65 336.4 (Rwy 16R-34L)
SALT LAKE CITY DEP CON
128.6 322.3

TOP ALTITUDE: FL230

NOTE: RNAV 1.
NOTE: GPS required.
NOTE: RADAR required.
NOTE: Turbojet aircraft only.

TAKEOFF MINIMUMS
Rwys 16L/R, 17: Standard with a minimum climb of 300' per NM to 7000.
Rwys 14, 32, 34L/R, 35: NA-ATC.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 16L/R, 17: Climb on heading 160° to 7000 then as assigned by ATC, thence. . . .

. . . .on RADAR vectors to cross HOPTO at or above 9000, then on track 166° to ZIONZ, then on (transition). Maintain FL230 or lower filed altitude. Expect filed altitude 10 minutes after departure.

BRYCE CANYON TRANSITION (ZIONZ1.BCE)
ENOCH TRANSITION (ZIONZ1.EHK)
EYELO TRANSITION (ZIONZ1.EYELO)
KIMMR TRANSITION (ZIONZ1.KIMMR)
KROST TRANSITION (ZIONZ1.KROST)

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY, UTAH

AL-366 (FAA)

25163

RNAV (GPS) RWY 34

SOUTH VALLEY RGNL (SVR)

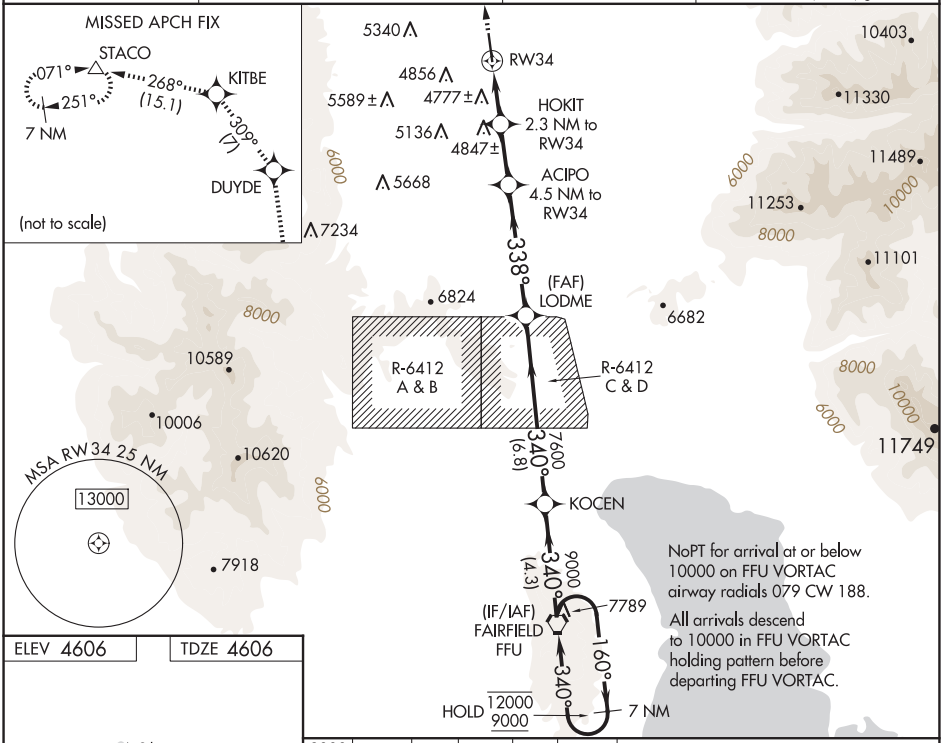
WAAS CH 82740 W34A	APP CRS 338°	Rwy Ldg 5862	TDZE 4606	Apt Elev 4606

RNP APCH - GPS.

T A VDP NA when using SLC altimeter setting. Baro-VNAV NA. When local altimeter setting not received, use SLC altimeter setting and increase all LPV DA to 4956 feet and all visibilities ⅛ SM. Increase LNAV/VNAV DA to 5159 feet and all visibilities ¼ SM. Increase all MDAs 80 feet and LNAV visibility Cat C/D ⅛ SM, and Circling visibility Cat B ¼ SM.

MISSED APPROACH: Climb to 9000 direct DUYDE and on track 309° to KITBE and on track 268° to STACO and hold.

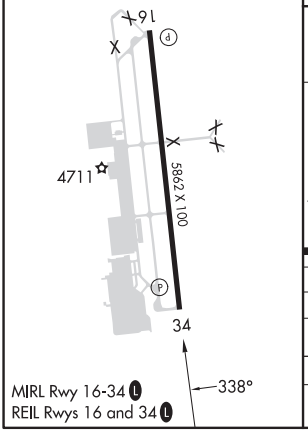
AWOS-3PT	SALT LAKE CITY APP CON	CLNC DEL	UNICOM
134.425	120.9 322.3	127.0	122.7 (CTAF) L

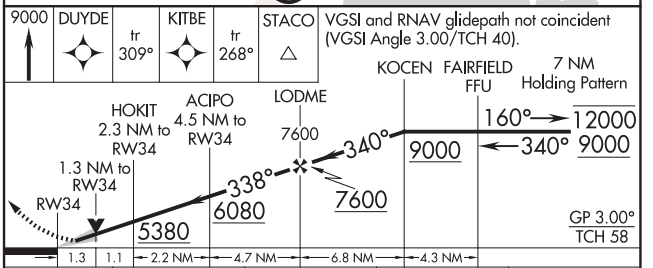


NoPT for arrival at or below 10000 on FFU VORTAC airway radials 079 CW 188.

All arrivals descend to 10000 in FFU VORTAC holding pattern before departing FFU VORTAC.

ELEV 4606	TDZE 4606





CATEGORY	A	B	C	D
LPV DA	4881-⅞ 275 (300-⅞)			
LNAV/VNAV DA	5084-1⅜ 478 (500-1⅜)			
LNAV MDA	5040-1 434 (500-1)		5040-1¼ 434 (500-1¼)	
C CIRCLING	5180-1 574 (600-1)	5360-1 754 (800-1)	5780-3 1174 (1200-3)	6040-3 1434 (1500-3)

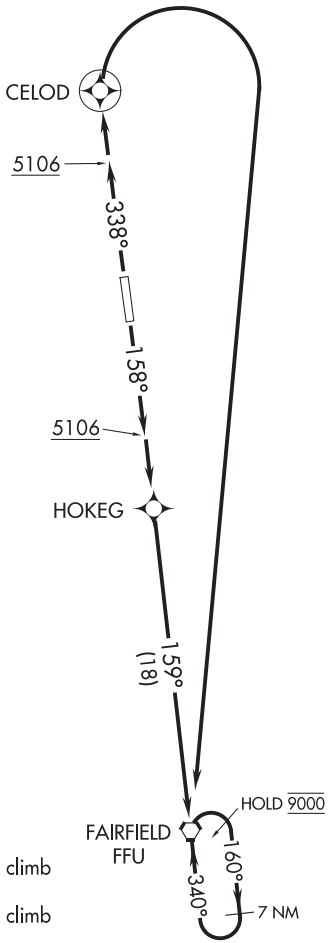
SW-4, 07 AUG 2025 to 02 OCT 2025

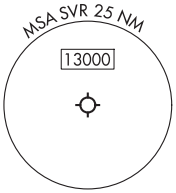
SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY DEP CON
120.9 322.3
CLNC DEL
127.0
UNICOM
122.7 (CTAF)
AWOS-3PT
134.425

RNAV 1 - GPS.

TOP ALTITUDE: 9000





NOTE: Chart not to scale.

TAKEOFF MINIMUMS

Rwy 16: Standard with minimum climb of 300'/NM to 7800.
Rwy 34: Standard with minimum climb of 495'/NM to 9000.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 16: Climb heading 158° to 5106, then climb to 9000 direct HOKEG, and on track 159° to FFU VORTAC and hold, thence. . . .
TAKEOFF RUNWAY 34: Climb heading 338° to 5106, then climb to 9000 direct CELOD, and right turn direct FFU VORTAC and hold, thence. . . .

. . . .maintain 9000. Expect further clearance to filed altitude and route within 10 minutes of departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) RWY 21

SCOTTSDALE (SDL)

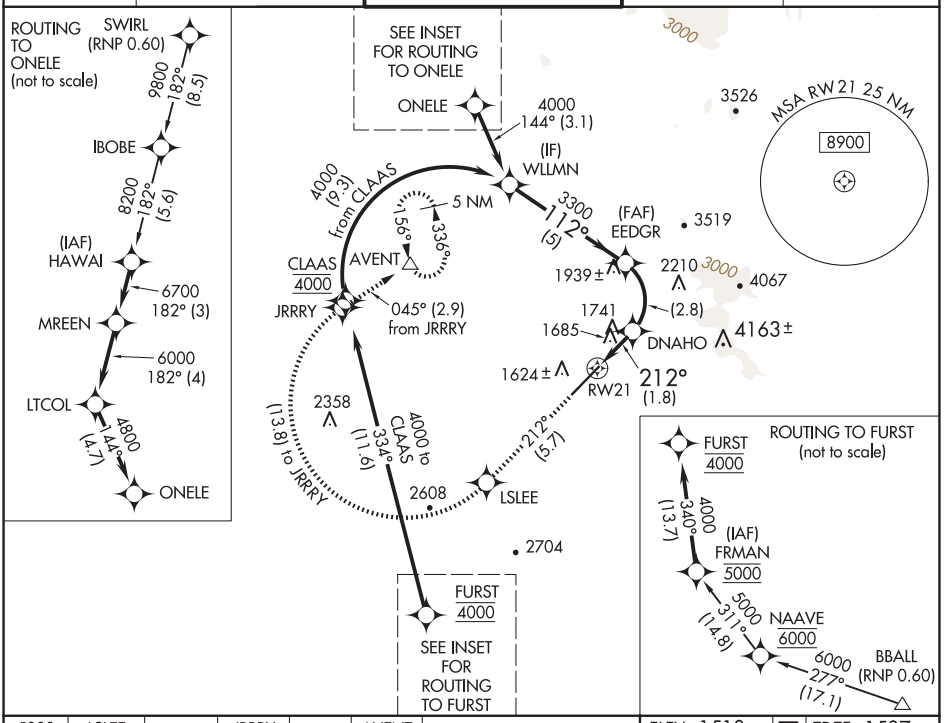
APP CRS	Rwy Idg	7669
212°	TDZE	1507
	Apt Elev	1510

RNP AR APCH - GPS, RF, min RNP 0.60. Authorization required.

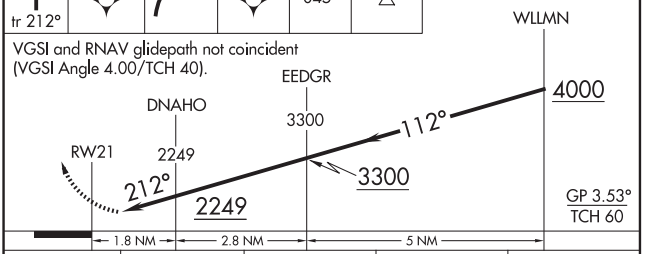
For uncompensated Baro-VNAV systems, procedure NA below 1°C or above 54°C. When local altimeter setting not received procedure NA.

MISSED APPROACH: Climb to 5000 on track 212° to LSLEE and right turn to JRRRY and on track 045° to AVENT and hold.

ATIS	PHOENIX APP CON	SCOTTSDALE TOWER★	GND CON	CLNC DEL
118.6	120.7 239.0	119.9 (CTAF) L	121.6	124.8



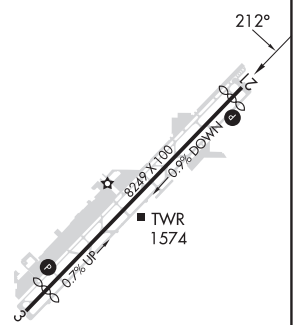
5000	LSLEE		JRRRY	tr 045°	AVENT
tr 212°					



CATEGORY	A	B	C	D
RNP 0.16 DA	1993-1⅜ 486 (500-1⅜)			NA

AUTHORIZATION REQUIRED

ELEV 1510 D TDZE 1507



MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	7110
032°	TDZE	1470
	Apt Elev	1510

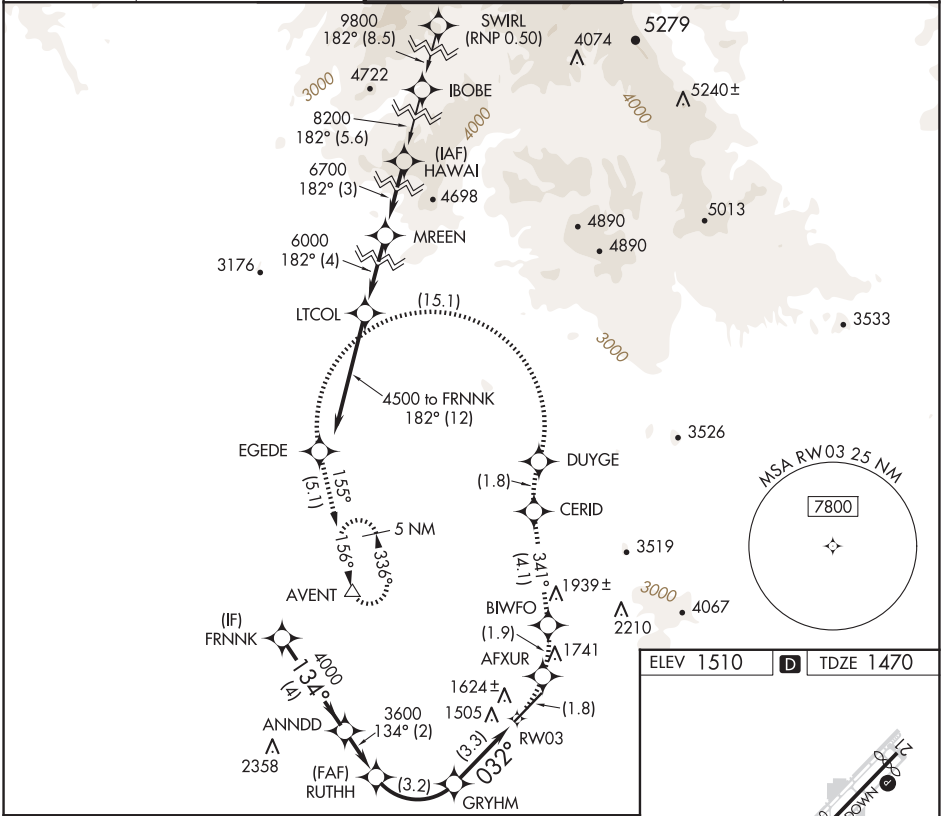
RNAV (RNP) Y RWY 3

SCOTTSDALE (SDL)

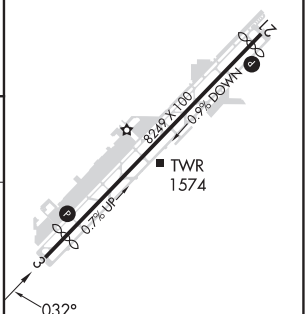
T RF and GPS required. Visibility reduction by helicopters NA. For uncompensated Baro-VNAV systems, procedure NA below 1°C (31°F) or above 54°C (130°F). When local altimeter setting not received procedure NA. Missed approach requires RNP less than 1.0.

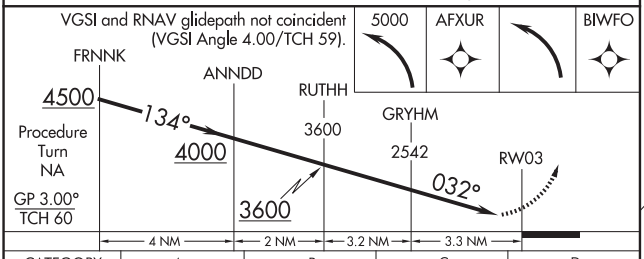
MISSED APPROACH: Climb to 5000 via left turn to AFXUR, and via left turn to BIWFO, and via track 341° to CERID, and via right turn to DUYGE, and via left turn to EGEDE, and via track 155° to AVENT and hold.

ATIS	PHOENIX APP CON	SCOTTSDALE TOWER*	GND CON	CLNC DEL
118.6	120.7 239.0	119.9 (CTAF) L	121.6	124.8



ELEV 1510 D TDZE 1470





CATEGORY	A	B	C	D
RNP 0.30 DA	1829-1¼	359 (400-1¼)		NA

AUTHORIZATION REQUIRED

MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SCOTTSDALE, ARIZONA | AL-5651 (FAA) | 25051

RNAV (RNP) Z RWY 3

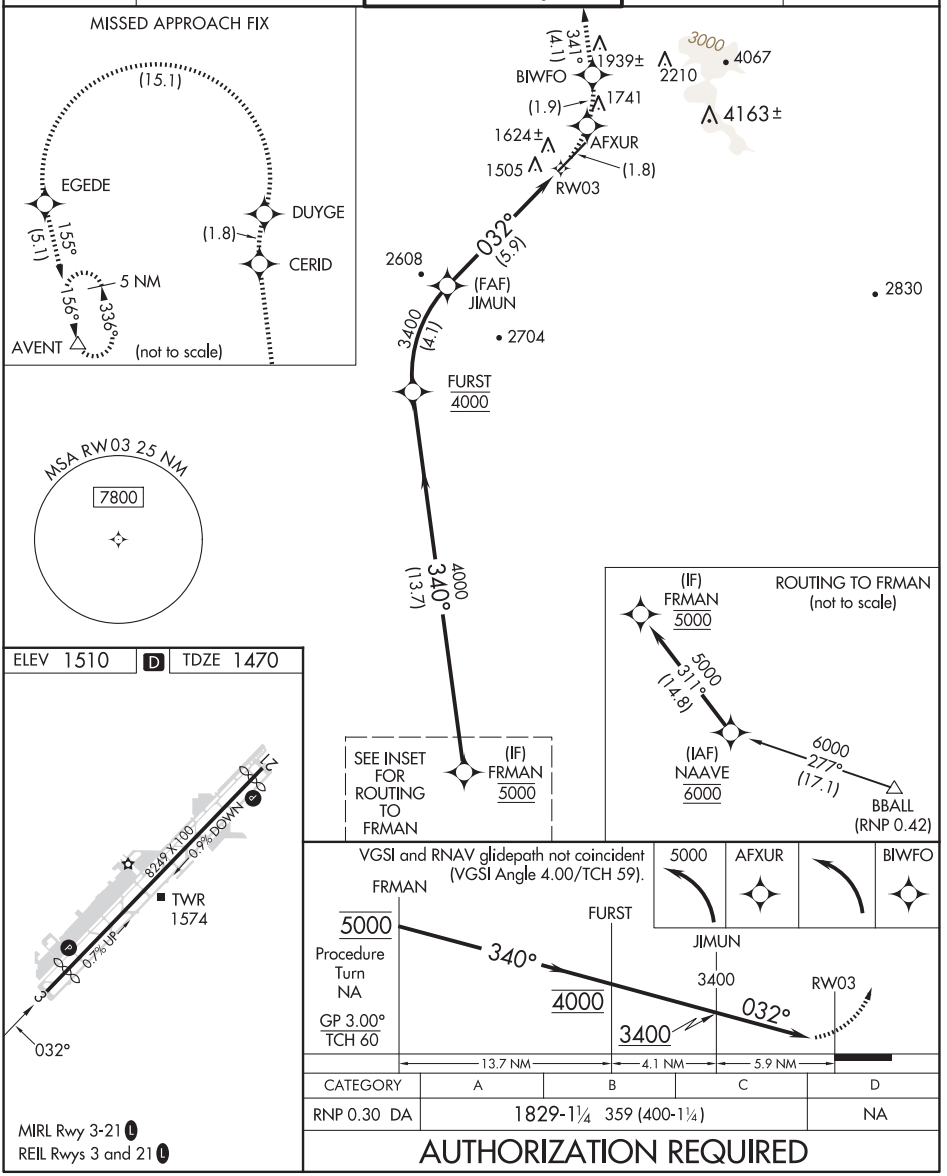
SCOTTSDALE (SDL)

APP CRS	Rwy Idg	7110
032°	TDZE	1470
	Apt Elev	1510

RF and GPS required. Visibility reduction by helicopters NA. For uncompensated Baro-VNAV systems, procedure NA below 1°C (31°F) or above 54°C (130°F). When local altimeter setting not received procedure NA. Missed approach requires RNP less than 1.0.

MISSED APPROACH: Climb to 5000 via left turn to AFXUR, and via left turn to BIWFO, and via track 341° to CERID, and via right turn to DUYGE, and via left turn to EGEDE, and via track 155° to AVENT and hold.

ATIS	PHOENIX APP CON	SCOTTSDALE TOWER★	GND CON	CLNC DEL
118.6	120.7 239.0	119.9 (CTAF) L	121.6	124.8



CATEGORY	A	B	C	D
RNP 0.30 DA	1829-1¼ 359 (400-1¼)			NA

AUTHORIZATION REQUIRED

MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SCOTTSDALE, ARIZONA
Orig-A 30JUN11

33°37'N-111°55'W

SCOTTSDALE (SDL)

RNAV (RNP) Z RWY 3

SW-4, 07 AUG 2025 to 02 OCT 2025

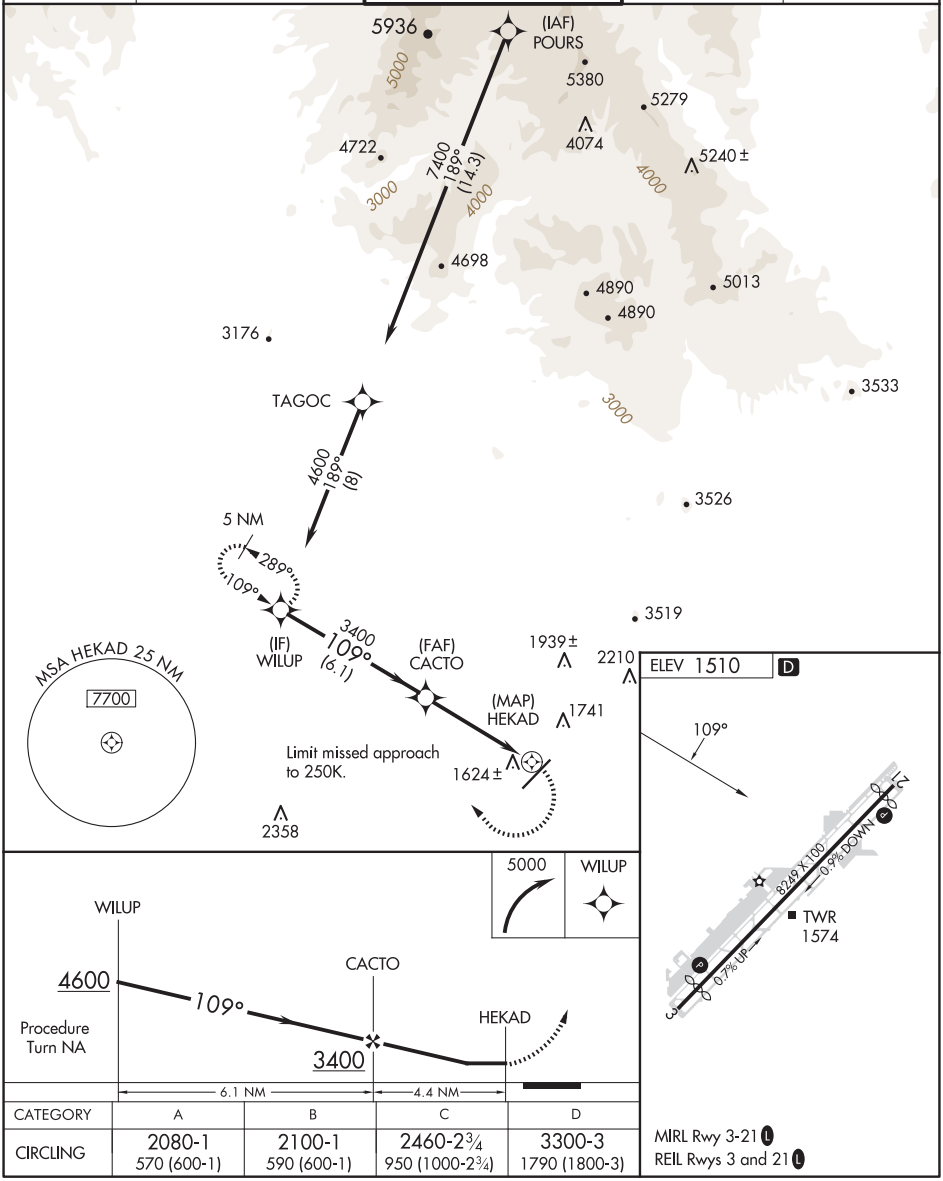
APP CRS	Rwy Idg	N/A
109°	TDZE	N/A
	Apt Elev	1510

RNAV (GPS)-D
SCOTTSDALE (SDL)

When VGSI inoperative, circling Rwy 21 NA at night. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase all MDA 100 feet and increase visibility Cat C ¼ SM. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 5000 direct WILUP and hold, continue climb-in-hold to 5000.

ATIS	PHOENIX APP CON	SCOTTSDALE TOWER★	GND CON	CLNC DEL
118.6	120.7 239.0	119.9 (CTAF) L	121.6	124.8



CATEGORY	A	B	C	D
CIRCLING	2080-1 570 (600-1)	2100-1 590 (600-1)	2460-2¾ 950 (1000-2¾)	3300-3 1790 (1800-3)

MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SCOTTSDALE, ARIZONA AL-5651 (FAA) 25051

APP CRS	Rwy Idg	N/A
003°	TDZE	N/A
	Apt Elev	1510

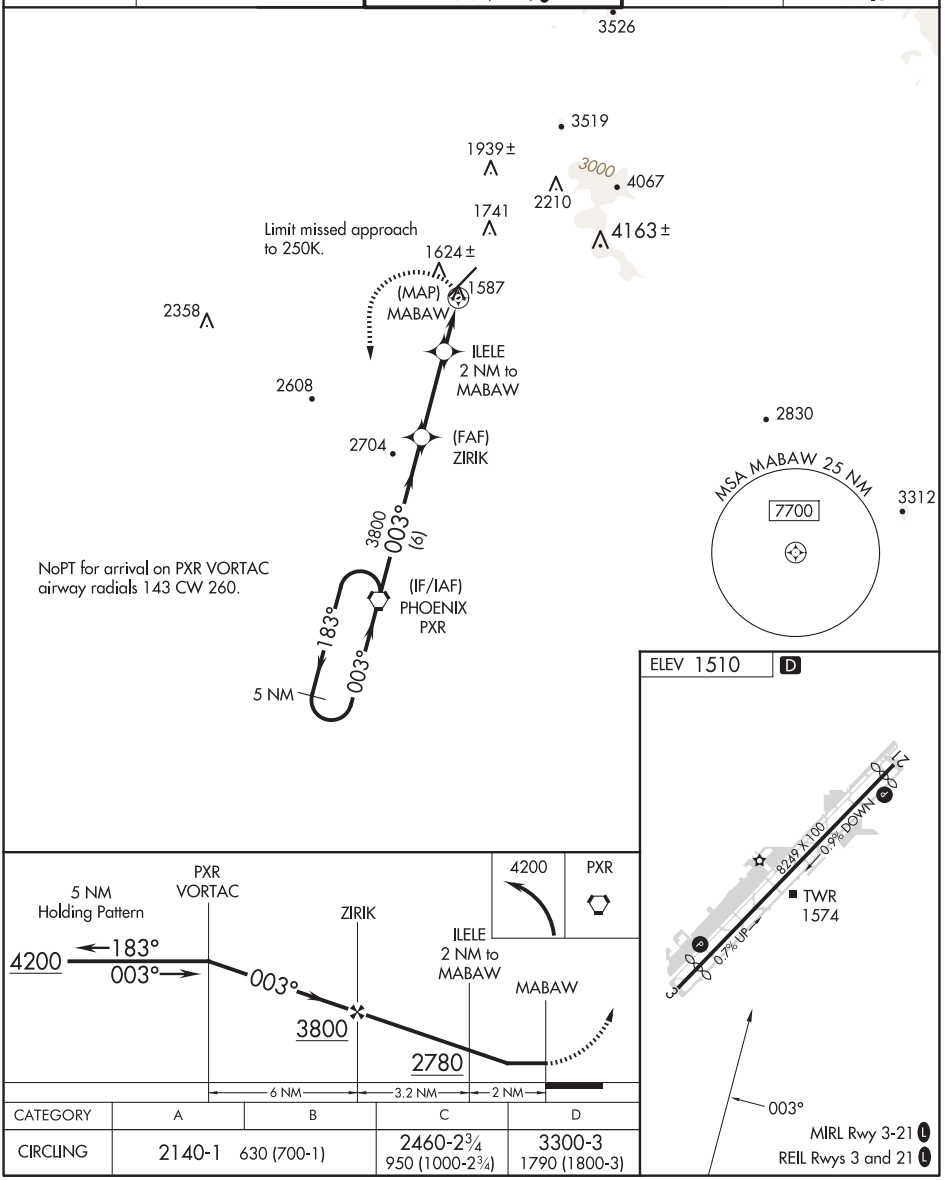
RNAV (GPS)-E

SCOTTSDALE (SDL)

When VGSI inoperative, circling Rwy 21 NA at night. When local altimeter setting not received, use Phoenix Sky Harbor Intl altimeter setting and increase all MDA 100 feet and increase visibility Cat C ¼ SM. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 4200 direct PXR VORTAC and hold.

ATIS	PHOENIX APP CON	SCOTTSDALE TOWER*	GND CON	CLNC DEL
118.6	120.7 239.0	119.9 (CTAF) L	121.6	124.8



CATEGORY	A	B	C	D
CIRCLING	2140-1	630 (700-1)	2460-2¾ 950 (1000-2¾)	3300-3 1790 (1800-3)

SCOTTSDALE, ARIZONA
Amdt 1A 04NOV21

33°37′N-111°55′W

SCOTTSDALE (SDL)
RNAV (GPS)-E

SW-4, 07 AUG 2025 to 02 OCT 2025

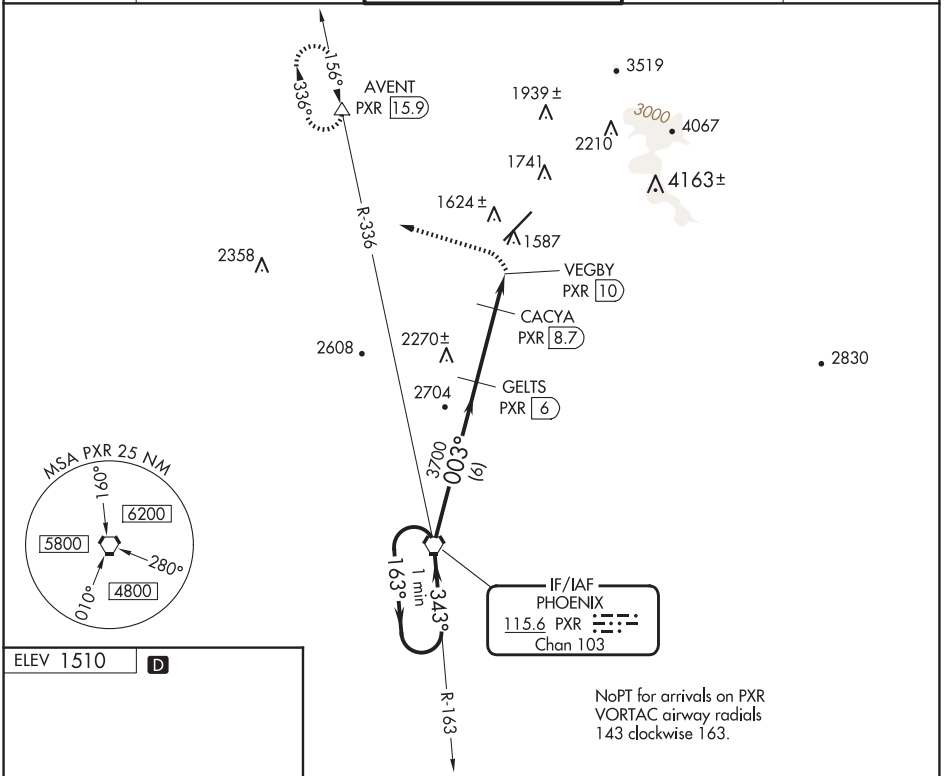
VORTAC PXR	APP CRS	Rwy Idg	N/A
115.6	003°	TDZE	N/A
Chan 103		Apt Elev	1510

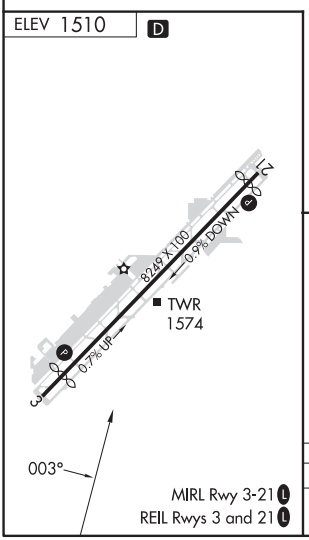
VOR/DME-A
SCOTTSDALE (SDL)

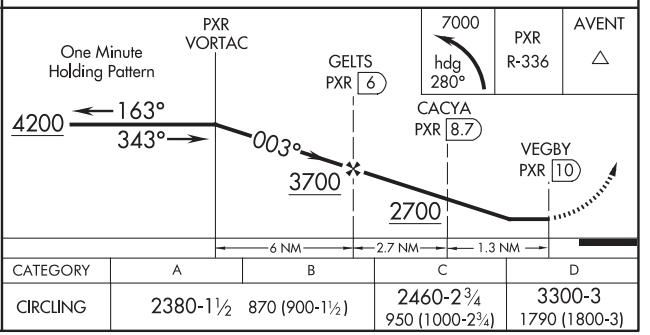
When local altimeter setting not received, use Phoenix Sky Harbor altimeter setting and increase all MDA 100 feet and increase visibility Cat C ¼ SM.

MISSED APPROACH: Climbing left turn to 7000 on heading 280° and on PXR VORTAC R-336 to AVENT/PXR 15.9 DME and hold, continue climb-in-hold to 7000.

ATIS	PHOENIX APP CON	SCOTTSDALE TOWER★	GND CON	CLNC DEL
118.6	120.7 239.0	119.9 (CTAF) L	121.6	124.8







CATEGORY	A	B	C	D
CIRCLING	2380-1½	870 (900-1½)	2460-2¾ 950 (1000-2¾)	3300-3 1790 (1800-3)

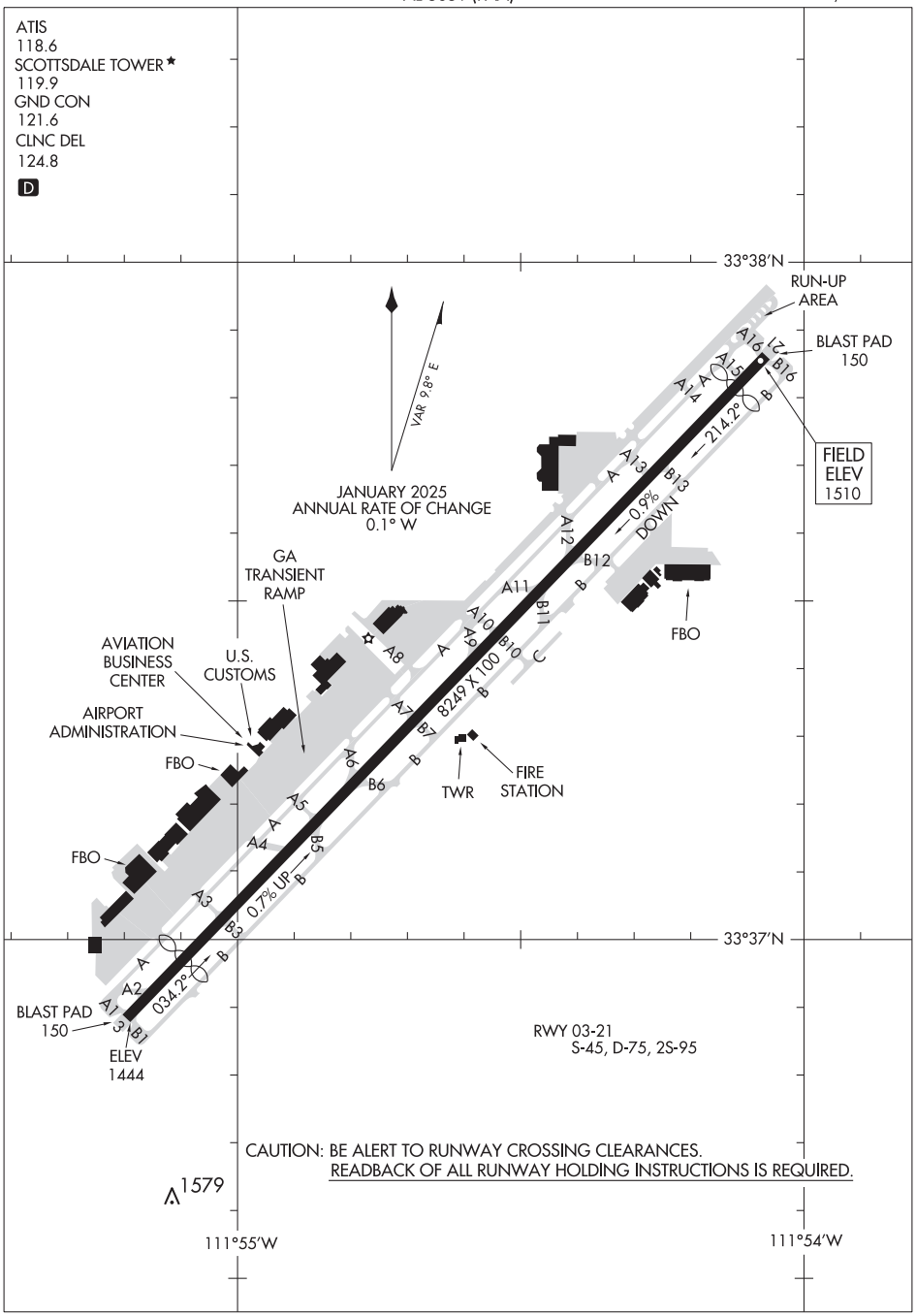
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

AIRPORT DIAGRAM

AL-5651 (FAA)

SCOTTSDALE (SDL)
SCOTTSDALE, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

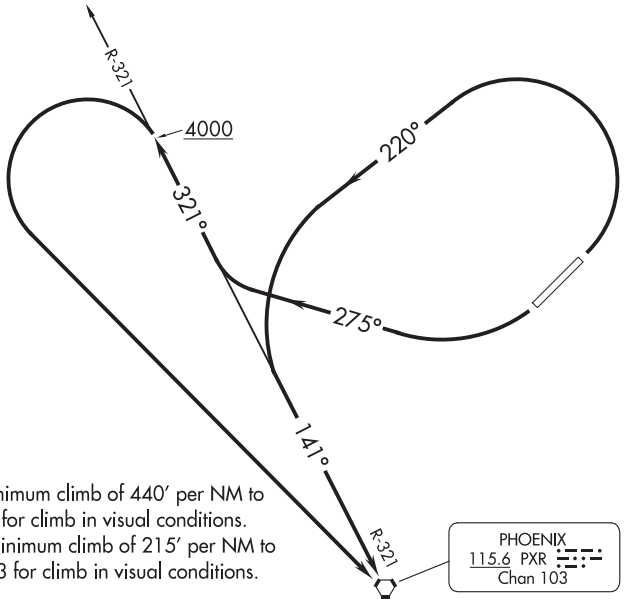
AIRPORT DIAGRAM
25107

SCOTTSDALE, ARIZONA
SCOTTSDALE (SDL)

MARICOPA ONE DEPARTURE (OBSTACLE)

AL-5651 (FAA)

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
SCOTTSDALE TOWER ★
119.9 (CTAF)



TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 440′ per NM to 4000, or 3100-3 for climb in visual conditions.

Rwy 21: Standard with minimum climb of 215′ per NM to 4000, or 3100-3 for climb in visual conditions.

TAKEOFF OBSTACLE NOTES

Rwy 3: Multiple light standards beginning 63′ from DER, 445′ left of centerline, up to 44′ AGL/1554′ MSL.
Hoist on dike 878′ from DER, 735′ left of centerline, 51′ AGL/1561′ MSL.
Dike beginning 1066′ from DER, 316′ left of centerline, 38′ AGL/1548′ MSL.
Day marker on dike, 1230′ from DER, 5′ left of centerline, 39′ AGL/1549′ MSL.
Tree 765′ from DER, 115′ left of centerline, 22′ AGL/1532′ MSL.
Road beginning 647′ from DER, 296′ left of centerline, 19′ AGL/1529′ MSL.
Fence beginning 5′ from DER, 338′ right of centerline, 6′ AGL/1511′ MSL.
Light standard 1013′ from DER, 430′ right of centerline, 44′ AGL/1552′ MSL.

Rwy 21: Trees 1072′ from DER, 426′ right of centerline, 53′ AGL/1497′ MSL.
Building 316′ from DER, 537′ right of centerline, 23′ AGL/1467′ MSL.
Tree 2087′ from DER, 418′ left of centerline, 61′ AGL/1505′ MSL.
Tree 1432′ from DER, 438′ right of centerline, 38′ AGL/1482′ MSL.
Tree 2234′ from DER, 559′ left of centerline, 58′ AGL/1502′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn to 4000 via heading 220° and PXR R-321 southeast bound to PXR VORTAC. Thence. . . . or, for climb in visual conditions: cross Scottsdale Airport at or above 4500 before proceeding on course.

TAKEOFF RUNWAY 21: Climbing right turn to 4000 via heading 275° and PXR R-321 northwest bound, when established on PXR R-321 northwest bound and reaching 4000, left turn direct PXR VORTAC. Thence. . . . or, for climb in visual conditions: cross Scottsdale Airport at or above 4500 before proceeding on course.

. . . .Continue climb on course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(BNYRD6.BNYRD) 25051

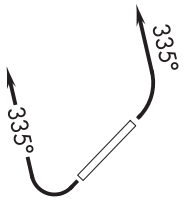
BNYRD SIX DEPARTURE (RNAV)

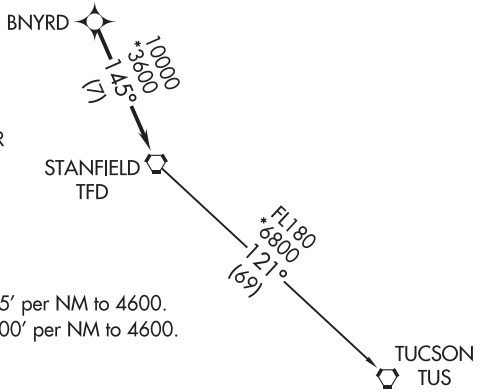
AL-5651 (FAA)

SCOTTSDALE (SDL)
SCOTTSDALE, ARIZONA

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER ★
119.9

TOP ALTITUDE: ASSIGNED BY ATC





NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 445′ per NM to 4600.
Rwy 21: Standard with minimum climb of 300′ per NM to 4600.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC, thence. . . .

. . . .expect RADAR vectors to BNYRD, then on track 145° to TFD VORTAC, then on (transition), maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

TUCSON TRANSITION (BNYRD6.TUS)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER★
119.9

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 445' per NM to 4600.
Rwy 21: Standard with minimum climb of 300' per NM to 4600.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: ABQ transition ATC assigned only.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO file FTHLS DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK file LALUZ DEPARTURE.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS file YOTES DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

TOP ALTITUDE: ASSIGNED BY ATC

335°
335°

N

BROAK
FL180
*8900
059°
(45)

FTHLS

FL180
*13600
060°
(55)

JNIPR

FL180
*11800
060°
(68)

JSSUA

FL180
*11700
077°
(65)

MAXXO

FL180
*11500
080°
(1)
*10400
(1)

ALBUQUERQUE
ABQ

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to BROAK, then on track 059° to FTHLS, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (FTHLS6.ABQ)

JNIPR TRANSITION (FTHLS6.JNIPR)

MAXXO TRANSITION (FTHLS6.MAXXO)

NOTE: Chart not to scale.

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER*
119.9

TOP ALTITUDE: ASSIGNED BY ATC

RNAV 1 - GPS.
RADAR required.

NOTE: Turbojets and turboprops only.
NOTE: Aircraft requesting FL220 and below must file BLYTHE Transition.
NOTE: Turbojets landing LAX, file WLVRN Transition.
NOTE: Aircraft landing other than LAX and turboprops landing at LAX: Requesting FL240 and above, file HRRBR Transition.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

TAKEOFF MINIMUMS
Rwy 3: Standard with minimum climb of 445'/NM to 4600.
Rwy 21: Standard with minimum climb of 300'/NM to 4600.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .for RADAR vectors to KEENS, then on track 259° to IZZZO, then on (transition).
Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

BLYTHE TRANSITION (IZZZO8.BLH)
HRRBR TRANSITION (IZZZO8.HRRBR)
WLVRN TRANSITION (IZZZO8.WLVRN)

PHOENIX DEP CON 120.7 239.0
ATIS 118.6
CLNC DEL 124.8
GND CON 121.6
SCOTTSDALE TOWER★ 119.9
N
DRAKE 114.1 DRK Chan 88
PHOENIX 115.6 PXR Chan 103
KINGMAN 108.8 IGM Chan 25
BEATTY 114.7 BTY Chan 94
NEEDLES 115.2 EED Chan 99
BUCKEYE 110.6 BXK Chan 43
Approximate distance from take-off area to JONHH, 18 NM.
HOBES
CHILY
KARLO
ZEPER
RAMSY
SISIE
DOVEE
JONHH
V105 J92 R-290 R-278 R-259 V105 R-168
(15) FL190 321° (10)
(28) 15000 321° 86
(18) 15000 321° 58
(15) 15000 321° 40
FL180 284° (21) 45
(11) 46
(34) FL180 284° R-104
FL250 278° (77)
FL250 294° (125) R-114
V12 J6 R-077
15000 259° (85)
250° 285° V105 R-321 25
321° R-070
NOTE: Chart not to scale.
NOTE: RADAR required.
NOTE: DME required.
NOTE: Restricted to turbojet and turboprop aircraft only.
NOTE: Aircraft filing over ONM, CNX, LBL, ACH, TCC, GAG, PHN or TXO file SCOTTSDALE DEPARTURE.
NOTE: IGM transition for LAS terminal area arrivals only.
NOTE: HOBES transition for turboprops landing LAS terminal area only.
TAKEOFF MINIMUMS
Rwy 3: Standard with a climb of 450 feet per NM to 4000.
Rwy 21: Standard with a climb of 215 feet per NM to 4000.
(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 250° to intercept and proceed on PXR R-321 to JONHH INT. Thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 285° to intercept and proceed on PXR R-321 to JONHH INT. Thence. . . .

. . . .on assigned transition.

LOST COMMUNICATIONS: If not in contact with departure control at JONHH INT, turn left direct to PXR VORTAC, thence via assigned transition. Expect filed altitude 3 minutes after departure.

BEATTY TRANSITION (JONHH2.BTY): From over JONHH INT on PXR R-321 to CHILY INT, then on IGM R-104 to SISIE INT, then on DRK R-278 to DOVEE INT, then on BTY R-114 to BTY VORTAC.

HOBES TRANSITION (JONHH2.HOBES): From over JONHH INT on PXR R-321 to HOBES INT.

KINGMAN TRANSITION (JONHH2.IGM): From over JONHH INT on PXR R-321 to CHILY INT, then on IGM R-104 to IGM VOR/DME.

NEEDLES TRANSITION (JONHH2.EED): From over JONHH INT on PXR R-321 to CHILY INT, then on DRK R-259 and EED R-077 to EED VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER★
119.9

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to GBN VORTAC, then on track 249° to JUDTH, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

MOHAK TRANSITION (JUDTH7.MOHAK)

TOP ALTITUDE: ASSIGNED BY ATC

335°
335°

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

TAKEOFF MINIMUMS
Rwy 3: Standard with minimum climb of 445' per NM to 4600.
Rwy 21: Standard with minimum climb of 300' per NM to 4600.

NOTE: Chart not to scale.

(KATMN6.KATMN) 25051

KATMN SIX DEPARTURE (RNAV)

AL-5651 (FAA)

SCOTTSDALE (SDL)
SCOTTSDALE, ARIZONA

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER*
119.9

TOP ALTITUDE: ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .on RADAR vectors to ECLPS, then on track 111° to KATMN, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

PHASE TRANSITION (KATMN6.PHASE)

335°
335°

TAKEOFF MINIMUMS
Rwy 3: Standard with minimum climb of 445' per NM to 4600.
Rwy 21: Standard with minimum climb of 300' per NM to 4600.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

N

ECLPS
FL180
*7600
111°
(47)
KATMN
FL180
*7600
093°
(48)
BOXXR
FL180
*9100
086°
(31)
PHASE

NOTE: Chart not to scale.

KATMN SIX DEPARTURE (RNAV)

(KATMN6.KATMN) 24MAY18

SCOTTSDALE, ARIZONA
SCOTTSDALE (SDL)

SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER★
119.9

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: SJN TRANSITION for ABQ terminal arrivals only.
NOTE: MAXXO TRANSITION ATC assigned only.
NOTE: Aircraft filing over DEN, RSK, ALS, and points north of ALS, file YOTES DEPARTURE.
NOTE: Aircraft filing over ABQ, CIM, FTI, and GCK, file LALUZ DEPARTURE.
NOTE: Aircraft filing over ACH, LBL, ONM, CNX, PNH, MMB, TCC, IRW and TXO, file FTHLS DEPARTURE.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

TOP ALTITUDE: ASSIGNED BY ATC

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .
TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to FORPE, then on track 055° to LALUZ, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (LALUZ6.ABQ)
MAXXO TRANSITION (LALUZ6.MAXXO)
ST JOHNS TRANSITION (LALUZ6.SJN)

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 445' per NM to 4600.
Rwy 21: Standard with minimum climb of 300' per NM to 4600.

NOTE: Chart not to scale.

(MAYSA7.MAYSA) 25051

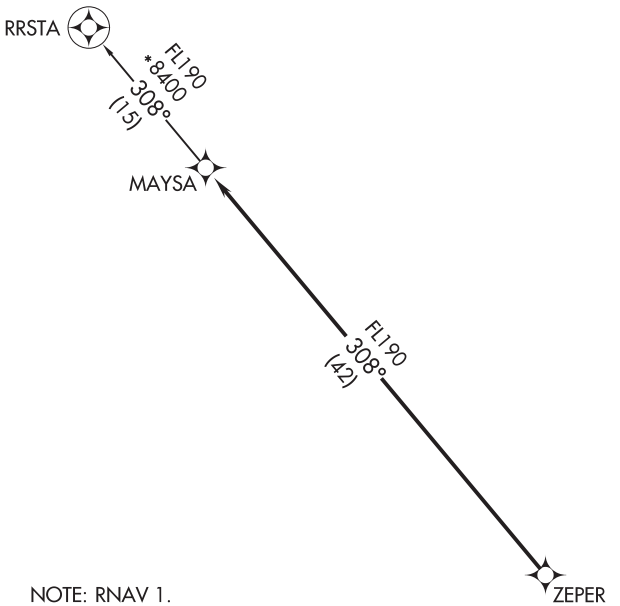
MAYSA SEVEN DEPARTURE (RNAV)

AL-5651 (FAA)

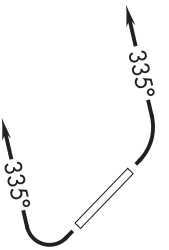
SCOTTSDALE (SDL)
SCOTTSDALE, ARIZONA

TOP ALTITUDE: ASSIGNED BY ATC

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER★
119.9



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only. Do not file.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.



TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 445′ per NM to 4600.
Rwy 21: Standard with minimum climb of 300′ per NM to 4600.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to cross ZEPER at or above 10000, then on track 308° to MAYSA, then on RRSTA TRANSITION. Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

RRSTA TRANSITION (MAYSA7.RRSTA)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER★
119.9 (CTAF)
ALBUQUERQUE
113.2 ABQ
Chan 79
ST. JOHNS
112.3 SJN
Chan 70
BLYTHE
117.4 BLH
Chan 121
BUCKEYE
110.6 BXK
Chan 43
GILA BEND
116.6 GBN
Chan 113
PHOENIX
115.6 PXR
Chan 103
STANFIELD
114.8 TFD
Chan 95
TUCSON
116.0 TUS
Chan 107
L-8, H-4
13000
*11100
055°
(90)
ACOMA
R-240
(31)
J18
V190
R-236
(115)
V190
J18
J92
FORPE
86
67
38
NOTE: DME required.
NOTE: RADAR required.
NOTE: Restricted to turbojet and turboprop aircraft only.
NOTE: Turbojets landing LAX file J4 after BXK.
NOTE: Aircraft landing other than LAX, and turboprops landing LAX requesting FL240 and above, file J212 after BXK.
NOTE: Aircraft filing via SJN, ABQ, LVS, CIM, or GCK use ABQ transition.
NOTE: Aircraft filing south of LVS, via TCC, PNH, LBL, GAG, or TXO use SCOTTSDALE DEPARTURE.
NOTE: BLYTHE transition restricted to aircraft requesting FL220 and below.
NOTE: All transitions require RADAR vectors from over JONHH.
Approximate distance from Take-off area to JONHH, 18 NM.
N
JONHH
25
250°
285°
321°
R-321
R-206
R-054
13000
*12000
054°
8000
*5200
163°
WINRR
R-343
(14)
8000
*6700 (24)
133°
J92
V105
BASER
8000
*6700
115°
(6)
DINGO
40
R-295
R-301
15000
*10000
107°
(59)
8000
*6700
121°
(69)
PUSCH
FL180
*11400
107°
(41)
100
OLLIN
NOTE: Chart not to scale.
R-288
22
MOBIE
11000
*6600
206°
(20)
R-055
R-042
5500
*5300
257°
(98)
V16
R-077
54
5900
*5900
262°
44
R-080
TAKEOFF MINIMUMS
Rwy 3: Standard with minimum climb of 440' per NM to 4000.
Rwy 21: Standard with minimum climb of 215' per NM to 4000.
(CONTINUED ON FOLLOWING PAGE)

(SCOT7.SCOT) 18312

SCOTTSDALE SEVEN DEPARTURE

AL-5651 (FAA)

SCOTTSDALE (SDL)
SCOTTSDALE, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 250° to intercept and proceed via PXR R-321 to JONHH INT. Thence. . . .
TAKEOFF RUNWAY 21: Climbing right turn heading 285° to intercept and proceed via PXR R-321 to JONHH INT. Thence. . . .

. . . .via RADAR vectors to (assigned route).

LOST COMMUNICATIONS: If not in contact with departure control at JONHH INT, turn left direct to PXR VORTAC, thence via assigned transition. Expect filed altitude 3 minutes after departure.

ALBUQUERQUE TRANSITION (SCOT7.ABQ): From over JONHH INT on RADAR vectors and PXR R-054 and SJN R-236 to SJN VORTAC, then on SJN R-059 and ABQ R-240 to ABQ VORTAC.

BLYTHE TRANSITION (SCOT7.BLH): From over JONHH INT on RADAR vectors and BXK R-077 to BXK VORTAC, then on BXK R-262 and BLH R-080 to BLH VORTAC.

BUCKEYE TRANSITION (SCOT7.BXK): From over JONHH INT on RADAR vectors and BXK R-077 to BXK VORTAC.

DINGO TRANSITION (SCOT7.DINGO): From over JONHH INT on RADAR vectors and TFD R-343 to TFD VORTAC, then on TFD R-133 to BASER INT, and then on TUS R-295 to DINGO INT.

GILA BEND TRANSITION (SCOT7.GBN): From over JONHH INT on RADAR vectors and PXR R-206 to MOBIE INT, then on GBN R-055 to GBN VORTAC.

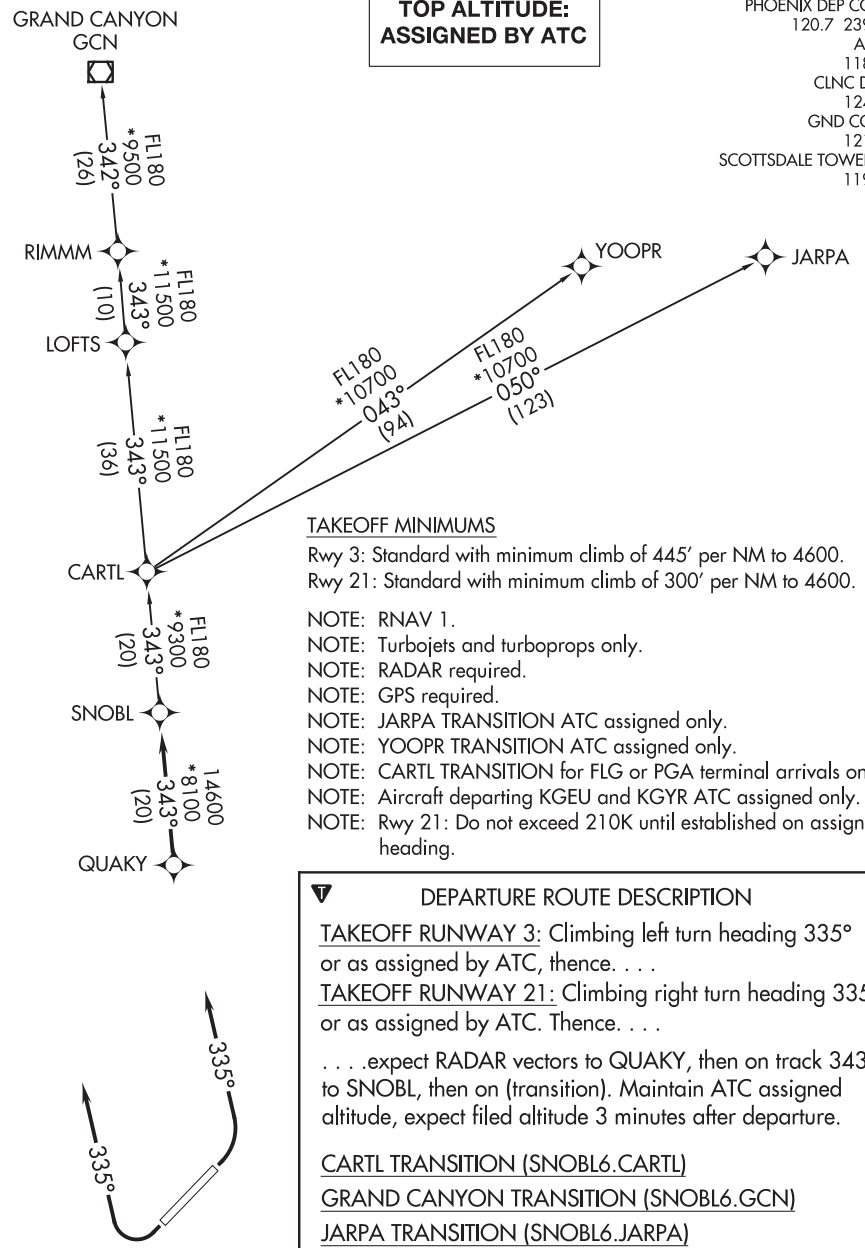
OLIIN TRANSITION (SCOT7.OLIIN): From over JONHH INT on RADAR vectors and TFD R-343 to TFD VORTAC, then on TFD R-107 to PUSCH INT, and then on TFD R-107 to OLIIN INT.

TUCSON TRANSITION (SCOT7.TUS): From over JONHH INT on RADAR vectors and TFD R-343 to TFD VORTAC, then on TFD R-121 and TUS R-301 to TUS VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: ASSIGNED BY ATC

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER★
119.9



NOTE: Chart not to scale.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 445′ per NM to 4600.
Rwy 21: Standard with minimum climb of 300′ per NM to 4600.

NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: JARPA TRANSITION ATC assigned only.
NOTE: YOOPR TRANSITION ATC assigned only.
NOTE: CARTL TRANSITION for FLG or PGA terminal arrivals only.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to QUAKY, then on track 343° to SNOBL, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

CARTL TRANSITION (SNOBL6.CARTL)
GRAND CANYON TRANSITION (SNOBL6.GCN)
JARPA TRANSITION (SNOBL6.JARPA)
RIMMM TRANSITION (SNOBL6.RIMMM)
YOOPR TRANSITION (SNOBL6.YOOPR)

(YOTES6.YOTES) 25051

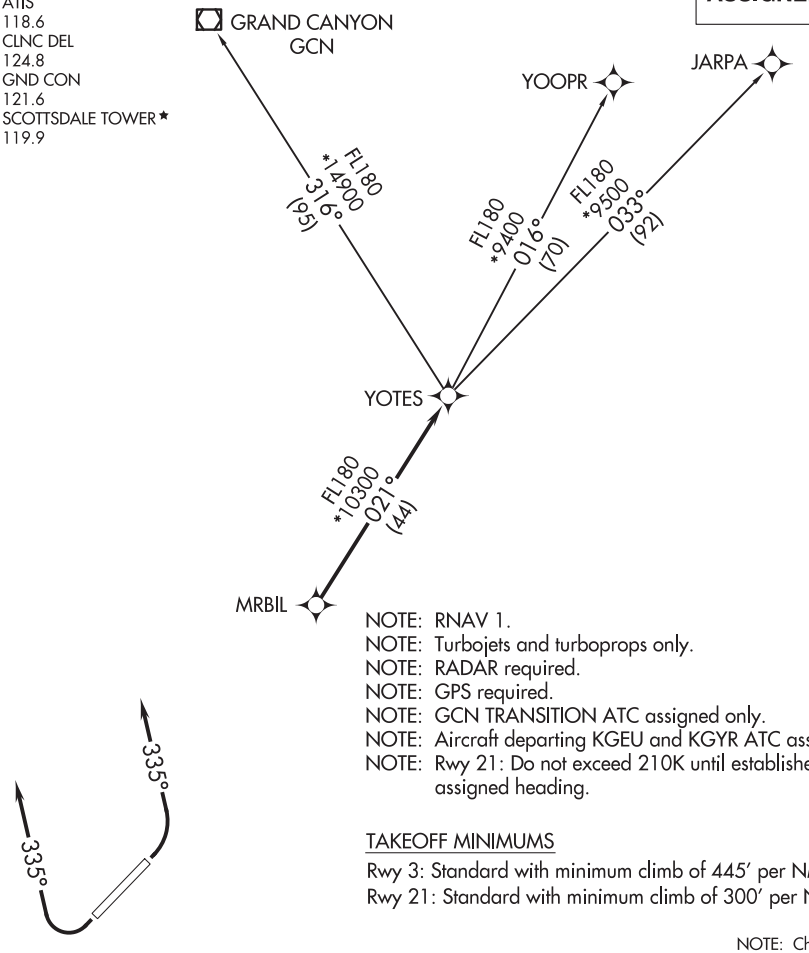
YOTES SIX DEPARTURE (RNAV)

AL-5651 (FAA)

SCOTTSDALE (SDL)
SCOTTSDALE, ARIZONA

PHOENIX DEP CON
120.7 239.0
ATIS
118.6
CLNC DEL
124.8
GND CON
121.6
SCOTTSDALE TOWER ★
119.9

TOP ALTITUDE: ASSIGNED BY ATC



NOTE: RNAV 1.
NOTE: Turbojets and turboprops only.
NOTE: RADAR required.
NOTE: GPS required.
NOTE: GCN TRANSITION ATC assigned only.
NOTE: Aircraft departing KGEU and KGYR ATC assigned only.
NOTE: Rwy 21: Do not exceed 210K until established on assigned heading.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 445′ per NM to 4600.
Rwy 21: Standard with minimum climb of 300′ per NM to 4600.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing left turn heading 335° or as assigned by ATC, thence. . . .

TAKEOFF RUNWAY 21: Climbing right turn heading 335° or as assigned by ATC. Thence. . . .

. . . .expect RADAR vectors to MRBIL, then on track 021° to YOTES, then on (transition). Maintain ATC assigned altitude, expect filed altitude 3 minutes after departure.

GRAND CANYON TRANSITION (YOTES6.GCN)

JARPA TRANSITION (YOTES6.JARPA)

YOOPR TRANSITION (YOTES6.YOOPR)

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Ldg	5132
033°	TDZE	4793
	Apt Elev	4831

RNAV (GPS) RWY 3

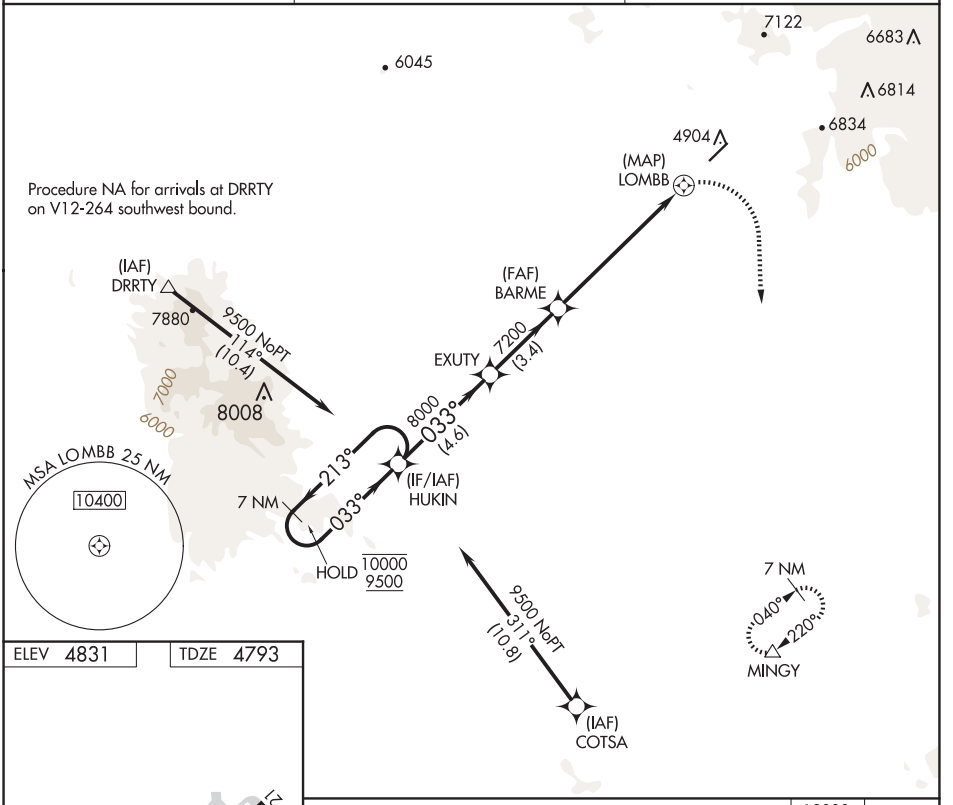
SEDONA (SEZ)

RNP APCH - GPS.

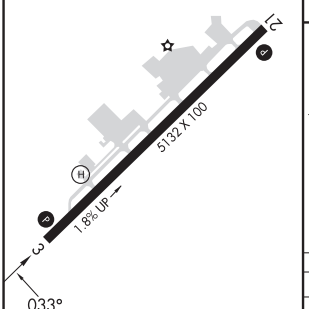
Circling NA northwest of Rwy 3-21. Circling Rwy 21 NA at night. When local altimeter not received, procedure NA.

MISSED APPROACH: Climbing right turn to 12000 direct MINGY and hold, contiune climb-in-hold to 12000

AWOS-3PT	PHOENIX APP CON	UNICOM
118.525	126.375 236.775	123.0 (CTAF) L

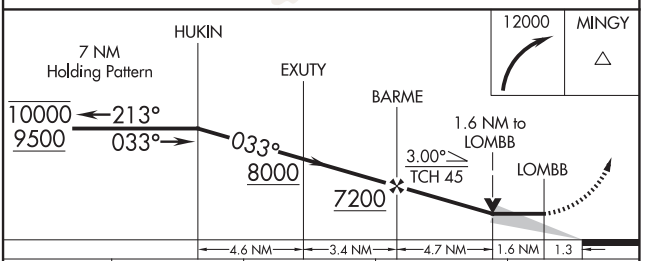


ELEV 4831	TDZE 4793



MIRL Rwy 3-21 L

REIL Rwys 3 and 21 L



CATEGORY	A	B	C	D
LNAV MDA	5720-1½ 927 (1000-1½)	5740-1½ 947 (1000-1½)	6460-3 1667 (1700-3)	6640-3 1847 (1900-3)
C CIRCLING	5720-1½ 889 (900-1½)	5880-1½ 1049 (1100-1½)	7080-3 2249 (2300-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(BYTER1.BYTER) 23166

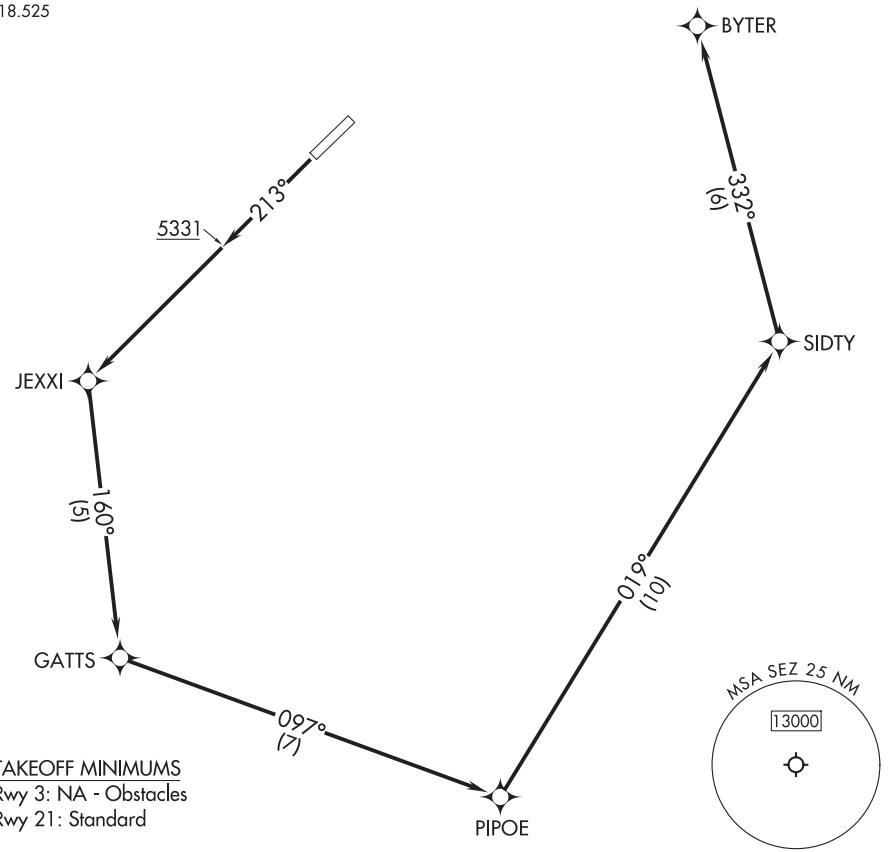
BYTER ONE DEPARTURE (OBSTACLE) (RNAV)

AL-6169 (FAA)

SEDONA (SEZ)
SEDONA, ARIZONA

PHOENIX DEP CON
126.375 236.775
AWOS-3PT
118.525

RNAV 1 - GPS



TAKEOFF MINIMUMS
Rwy 3: NA - Obstacles
Rwy 21: Standard

TAKEOFF OBSTACLE NOTES

Rwy 21: Trees, terrain, light poles, vegetation, fence beginning from DER, 94' left of centerline, up to 12' AGL/4758' MSL.
Light poles 9' from DER, 93' right of centerline, 4' AGL/4737' MSL.
Vegetation 16' from DER, 173' right of centerline, 4738' MSL.
Vegetation, trees, fence beginning 19' from DER, 144' left of centerline, up to 4760' MSL.
Pole and vegetation beginning 31' from DER, 130' right of centerline, up to 21' AGL/4743' MSL.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 21: Climb on heading 213° to 5331, then climb direct JEXXI, then climbing left turn on track 160° to GATTS, then on track 097° to PIPOE, then on track 019° to SIDTY, then on track 332° to cross BYTER at or above MEA for route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	7200
CH 72718	246°	TDZE	6405
W25A		Apt Elev	6416

RNAV (GPS) RWY 25

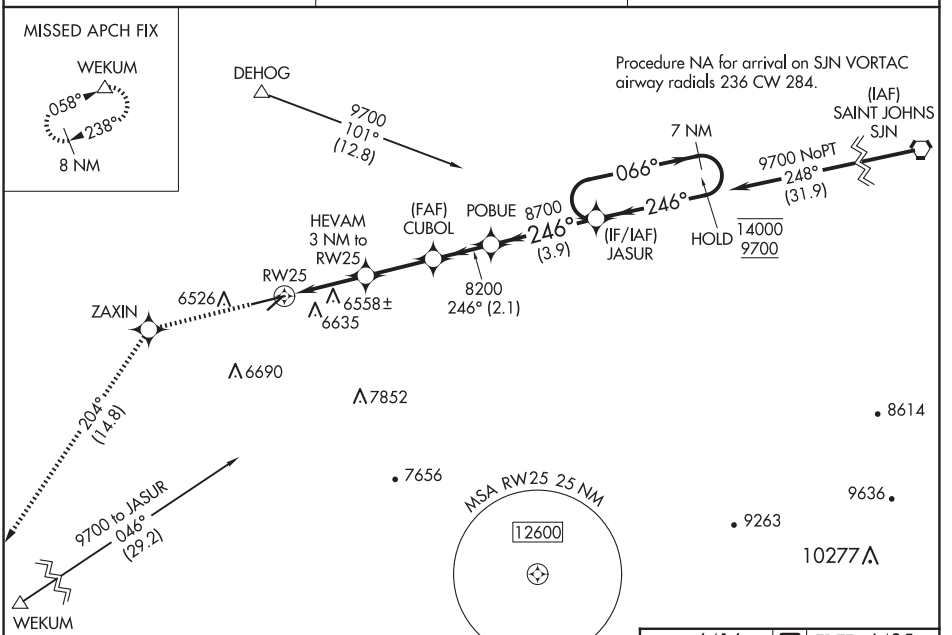
SHOW LOW RGNL (SOW)

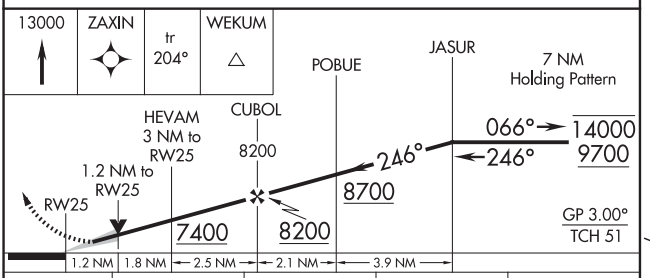
RNP APCH-GPS.

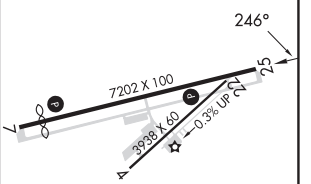
Circling NA southeast of Rwys 4 and 25. Circling Rwy 4 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C or above 54°C.

MISSED APPROACH: Climb to 13000 direct ZAXIN and on track 204° to WEKUM and hold, continue climb-in-hold to 13000.

AWOS-3	ALBUQUERQUE CENTER	UNICOM
118.075	132.9 239.05	123.0 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	6605-¾ 200 (200-¾)			
LNAV/VNAV DA	6704-⅞ 299 (300-⅞)			
LNAV MDA	6820-1 415 (500-1)		6820-1⅛ 415 (500-1⅛)	
C CIRCLING	6840-1 424 (500-1)	6880-1 464 (500-1)	7180-2¼ 764 (800-2¼)	7340-3 924 (1000-3)

REIL Rwys 7 and 25 L
MIRL Rwy 7-25 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SILVER SPRINGS, NEVADA | AL-9917 (FAA) | 22307

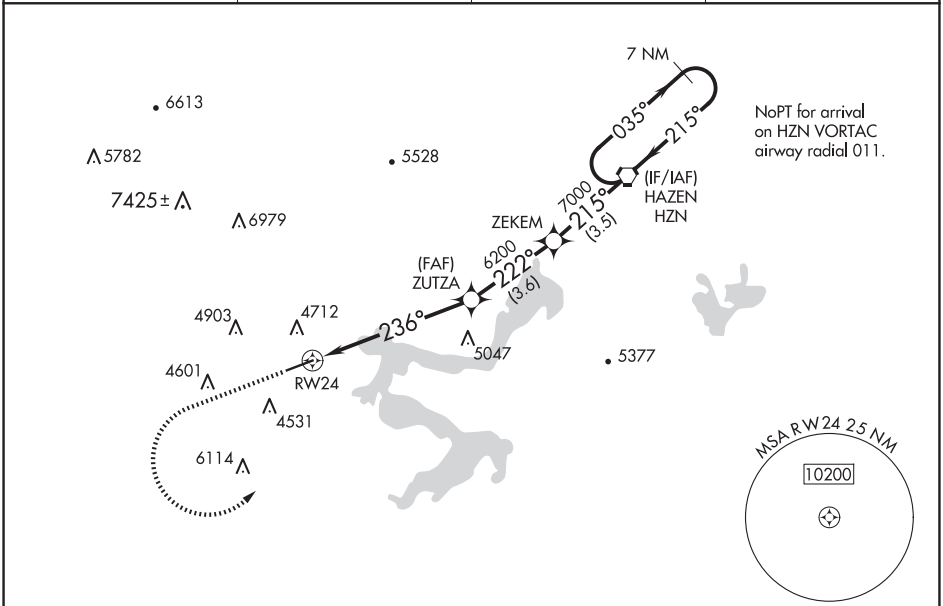
WAAS CH 65740 W24A	APP CRS 236°	Rwy Idg 6001 / TDZE 4237 / Apt Elev 4265

RNAV (GPS) RWY 24
SILVER SPRINGS (SPZ)

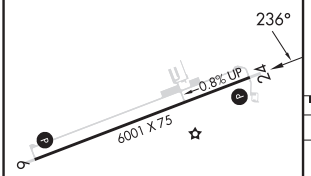
T NA — For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Use Fallon NAS (Van Voorhis Fld) altimeter setting; when not received, use Reno/Tahoe Intl altimeter setting.

MISSED APPROACH: Climb to 6900 then climbing left turn to 9900 direct HZN VORTAC and hold, continue climb-in-hold to 9900.
*Missed approach requires minimum climb of 315 feet per NM to 6900.

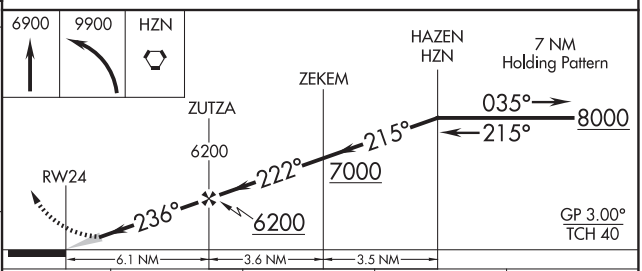
AWOS-2	KNFL ATIS*	NAVY FALLON APP CON	CTAF
120.475	370.925	120.85 360.2	122.9 L



ELEV 4265 | TDZE 4237



MIRL Rwy 6-24 L
REIL Rwys 6 and 24 L



CATEGORY	A	B	C	D
LPV DA*	4593-1¼ 356 (400-1¼)			NA
LPV DA	5007-3 770 (800-3)			NA
LNAV/VNAV DA	5209-4 972 (1000-4)			NA
LNAV MDA	5280-1¼ 1043 (1100-1¼)	5280-1½ 1043 (1100-1½)	5280-3 1043 (1100-3)	NA
C CIRCLING	5280-1¼ 1015 (1100-1¼)	5620-1½ 1355 (1400-1½)	6040-3 1775 (1800-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Ldg	6500
CH 78042	121°	TDZE	4527
W12A		Apt Elev	4530

RNAV (GPS) Y RWY 12

SPANISH FORK MUNI/WOODHOUSE FLD (SPK)

RNP APCH - GPS.

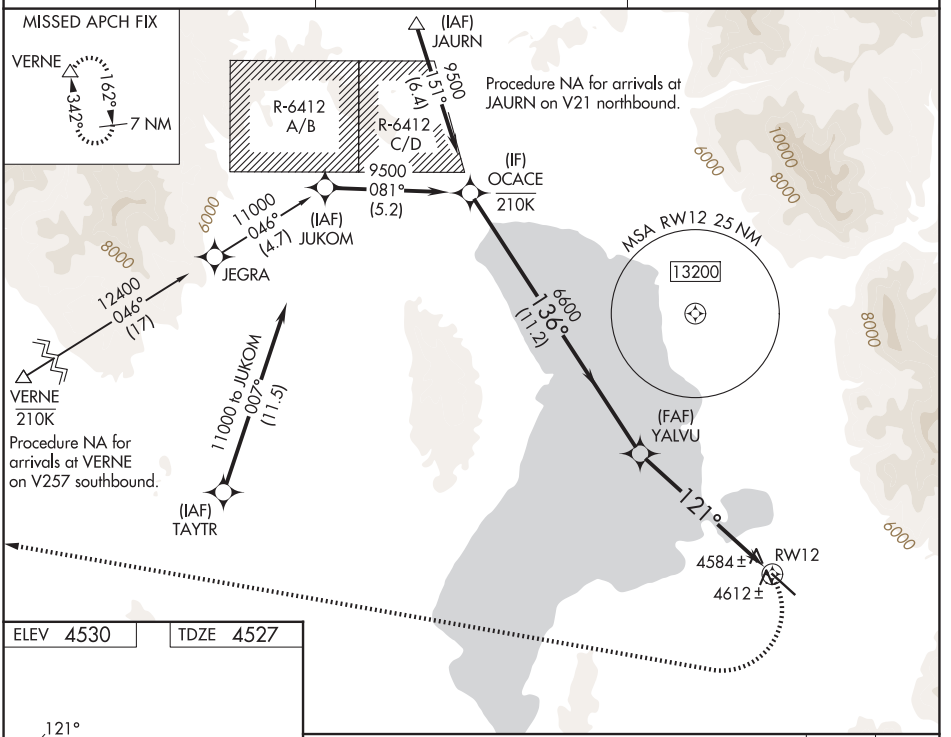
Rwy 12 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use PVU altimeter setting and increase all MDAs 20 feet. Circling NA for Cat D northeast of Rwy 12-30.

NA

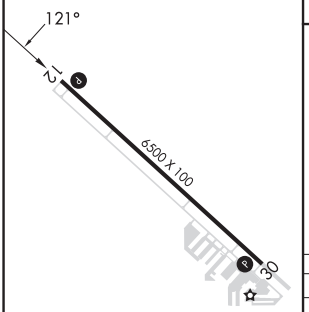
-17°C

MISSED APPROACH: (Do not exceed 185K until turn completion) Climbing right turn to 11500 direct VERNE and hold.

AWOS-3PT	SALT LAKE CITY APP CON	CTAF
119.275	118.85 233.7	122.9 (L)

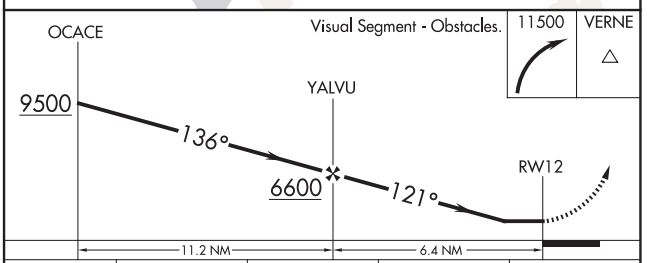


ELEV 4530 TDZE 4527



MIRL Rwy 12-30 (L)

REIL Rwys 12 and 30 (L)



CATEGORY	A	B	C	D
LP MDA	6040-1¼ 1513 (1600-1¼)	6040-1½ 1513 (1600-1½)	6040-3	1513 (1600-3)
LNAV MDA	6160-1¼ 1633 (1700-1¼)	6160-1½ 1633 (1700-1½)	6160-3	1633 (1700-3)
CIRCLING	6160-1¼ 1630 (1700-1¼)	6160-1½ 1630 (1700-1½)	6160-3	1630 (1700-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

SPANISH FORK, UTAH | AL-11420 (FAA) | 25219

WAAS	APP CRS	Rwy Ldg	6500
CH 82342	121°	TDZE	4527
W12B		Apt Elev	4530

RNAV (GPS) Z RWY 12

SPANISH FORK MUNI/WOODHOUSE FLD (SPK)

RNP APCH - GPS.

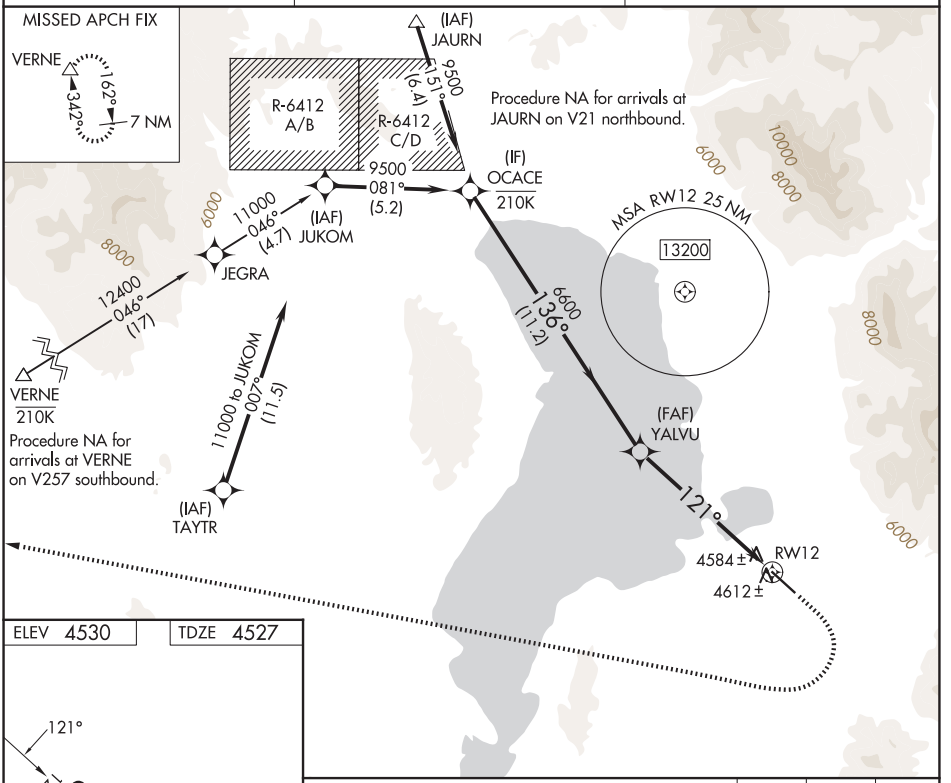
Rwy 12 helicopter visibility reduction below ¾ SM NA. When local altimeter setting not received, use PVU altimeter setting and increase all MDAs 20 feet.

NA

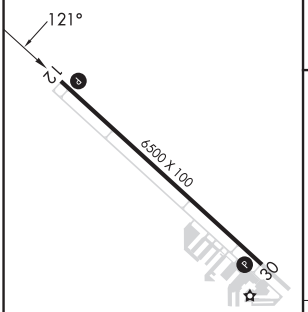
-17°C

MISSED APPROACH: (Do not exceed 185K until VERNE) Climb to 5000 then climbing right turn to 11500 direct VERNE and hold.
*Missed approach requires minimum climb of 380 feet per NM to 7600; if unable to meet climb gradient, see RNAV (GPS) Y RWY 12.

AWOS-3PT	SALT LAKE CITY APP CON	CTAF
119.275	118.85 233.7	122.9 L

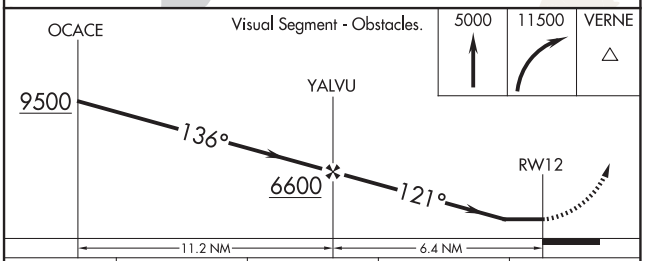


ELEV 4530 | TDZE 4527



MIRL Rwy 12-30 L

REIL Rwys 12 and 30 L



CATEGORY	A	B	C	D
LP MDA*	4980-1	453 (500-1)	4980-1⅜	453 (500-1⅜)
LNAV MDA*	4980-1	453 (500-1)	4980-1⅜	453 (500-1⅜)

SPANISH FORK, UTAH
Amdt 2 26DEC24

SPANISH FORK MUNI/WOODHOUSE FLD (SPK)
40°09′N-111°40′W
RNAV (GPS) Z RWY 12

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS)-A

SPANISH FORK MUNI/WOODHOUSE FLD (SPK)

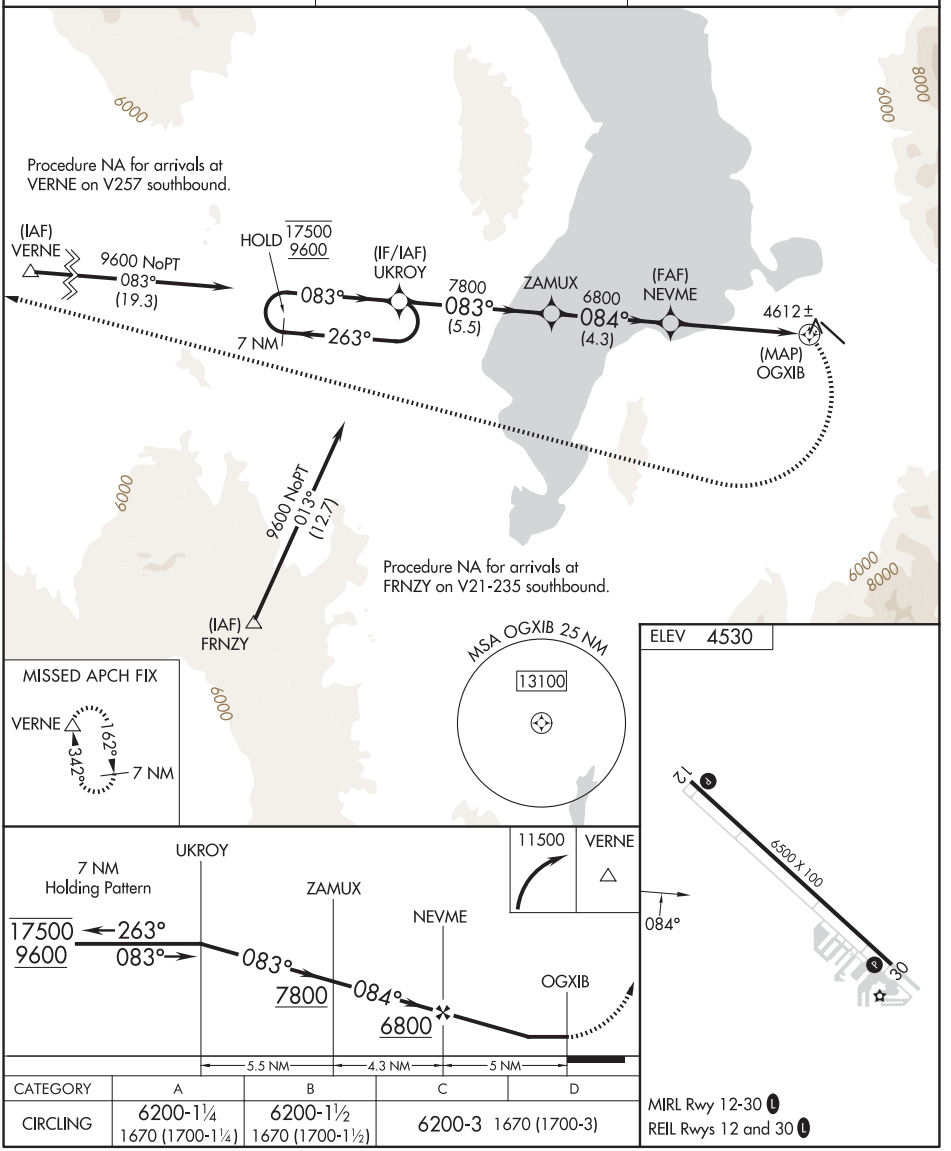
APP CRS	Rwy Ldg	N/A
084°	TDZE	N/A
	Apt Elev	4530

RNP APCH-GPS.

When local altimeter setting not received, use Provo altimeter setting and increase all MDAs 20 feet.

MISSED APPROACH: (Do not exceed 185K until turn completion) Climbing right turn to 11500 direct VERNE and hold.

AWOS-3PT	SALT LAKE CITY APP CON	CTAF
119.275	118.85 233.7	122.9 L



CATEGORY	A	B	C	D
CIRCLING	6200-1¼ 1670 (1700-1¼)	6200-1½ 1670 (1700-1½)	6200-3 1670 (1700-3)	

MIRL Rwy 12-30 L
REIL Rwys 12 and 30 L

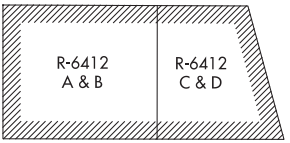
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(SPK1.FFU) 23334 SPANISH FORK MUNI/WOODHOUSE FLD (SPK)

SPANISH FORK ONE DEPARTURE (OBSTACLE)

AL-11420 (FAA) SPANISH FORK, UTAH

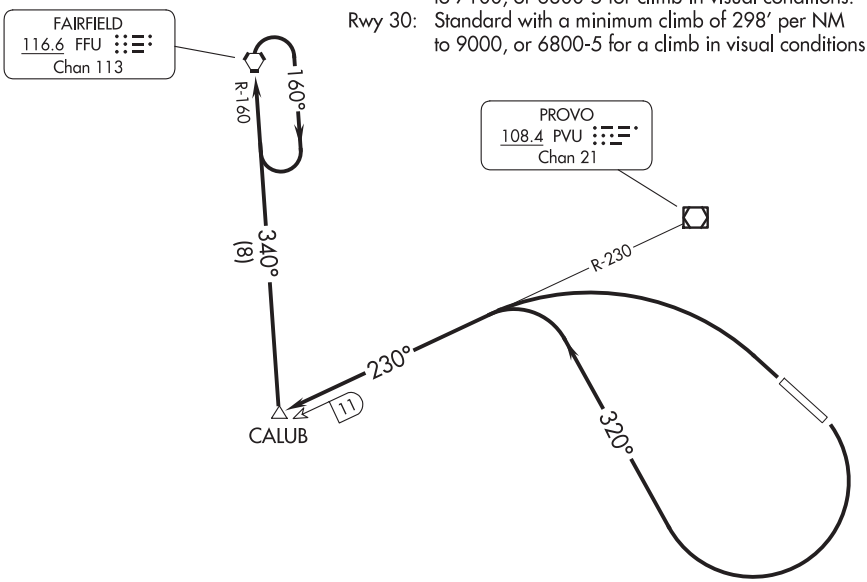
SALT LAKE CITY DEP CON
118.85 233.7
CTAF
122.9



TAKEOFF MINIMUMS

Rwy 12: Standard with a minimum climb of 455' per NM to 7100, or 6800-5 for climb in visual conditions.

Rwy 30: Standard with a minimum climb of 298' per NM to 9000, or 6800-5 for a climb in visual conditions.



NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 12: Climbing right turn to 11500 on heading 320° and PVU VOR/DME R-230 to CALUB INT/PVU 11 DME, do not exceed 240K until CALUB INT/PVU 11 DME, thence . . . .

TAKEOFF RUNWAY 30: Climbing left turn to 11500 to intercept PVU VOR/DME R-230 to CALUB INT/PVU 11 DME, thence . . . .

. . . . Climbing right turn on FFU R-160 to FFU VORTAC and hold, continue climb-in-hold to cross FFU VORTAC at MCA/MEA for route of flight.

VCOA RUNWAYS 12, 30: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Spanish Fork Muni/Woodhouse Fld at or above 11200 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

TAKEOFF OBSTACLE NOTES

Rwy 12: Lighting 10′ from DER, 29′ left of centerline, 2′ AGL/4530′ MSL.
Fence 60′ from DER, 481′ right of centerline, 4535′ MSL.
Building 198′ from DER, 449′ right of centerline, 12′ AGL/4541′ MSL.
Sign, building beginning 297′ from DER, 461′ right of centerline, up to 4552′ MSL.
Building 1023′ from DER, 600′ right of centerline, 4555′ MSL.
Tree 1031′ from DER, 651′ left of centerline, 4563′ MSL.
Tree, building beginning 1140′ from DER, 503′ left of centerline, up to 4565′ MSL.
Building 1173′ from DER, 560′ right of centerline, 4559′ MSL.
Building 1434′ from DER, 855′ right of centerline, 4572′ MSL.
Tree 1514′ from DER, 742′ left of centerline, 4568′ MSL.
Pole 1818′ from DER, 352′ right of centerline, 4576′ MSL.
Pole beginning 3232′ from DER, 1134′ right of centerline, up to 4621′ MSL.
Pole, sign beginning 3499′ from DER, 801′ left of centerline, up to 106′ AGL/4673′ MSL.
Electrical system 3922′ from DER, 628′ right of centerline, 4637′ MSL.
Pole 4450′ from DER, 893′ right of centerline, 4649′ MSL.
Pole 4709′ from DER, 1365′ right of centerline, 4662′ MSL.
Pole 5162′ from DER, 1194′ right of centerline, 4664′ MSL.
Pole 2 NM from DER, 3639′ left of centerline, 4853′ MSL.

Rwy 30: Lighting 9′ from DER, 29′ right of centerline, 2′ AGL/4525′ MSL.
Vegetation 36′ from DER, 145′ right of centerline, 9′ AGL/4527′ MSL.
Tree 750′ from DER, 557′ left of centerline, 4546′ MSL.
Pole 1182′ from DER, 595′ left of centerline, 50′ AGL/4570′ MSL.
Pole beginning 1479′ from DER, 268′ left of centerline, up to 60′ AGL/4579′ MSL.
Tree 1505′ from DER, 550′ right of centerline, 49′ AGL/4565′ MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

SPRINGERVILLE, ARIZONA | AL-6631 (FAA) | 23334

WAAS	APP CRS	Rwy Idg	8422
CH 40124	197°	TDZE	7032
W21A		Apt Elev	7055

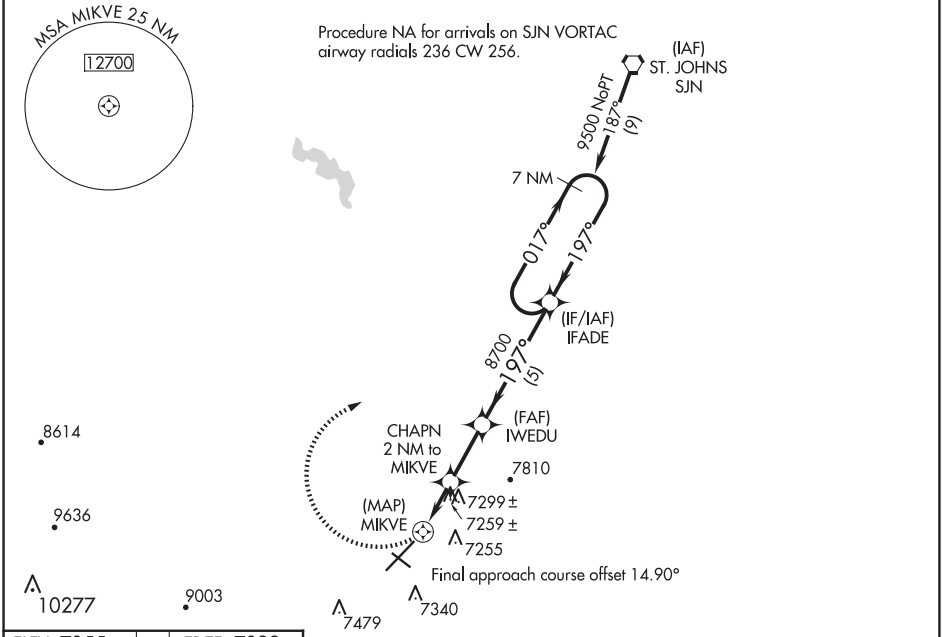
RNAV (GPS) RWY 21

SPRINGERVILLE MUNI (JTC)

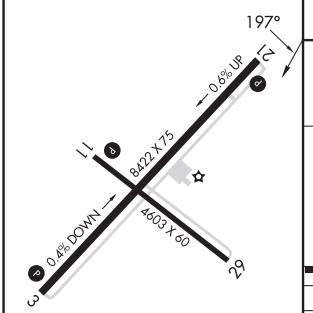
DME/DME RNP-0.3 NA. Rwy 3, 11, 29 helicopter visibility reduction below 1 SM NA. Circling Rwy 3, 11, 29 NA at night.

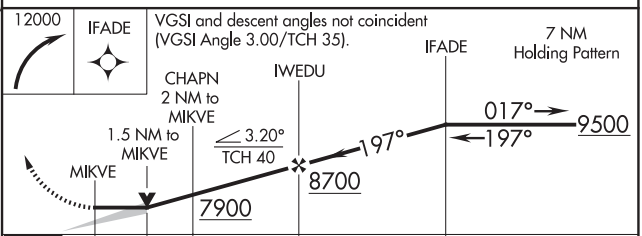
MISSED APPROACH: Climbing right turn to 12000 direct IFADE and hold, continue climb-in-hold to 12000.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.65	132.9 239.05	122.8 (CTAF) L



ELEV 7055 | TDZE 7032





CATEGORY	A	B	C	D
LP MDA	7520-1 488 (500-1)		NA	
LNAV MDA	7720-1 688 (700-1)		NA	
CIRCLING	7780-1 725 (800-1)	7840-1 785 (800-1)	NA	

MIRL Rwys 3-21 and 11-29 L

SPRINGERVILLE, ARIZONA
Amdt 1D 30DEC21

34°08'N-109°19'W

SPRINGERVILLE MUNI (JTC)
RNAV (GPS) RWY 21

SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	7001
CH 53344	213°	TDZE	5758
W21A		Apt Elev	5823

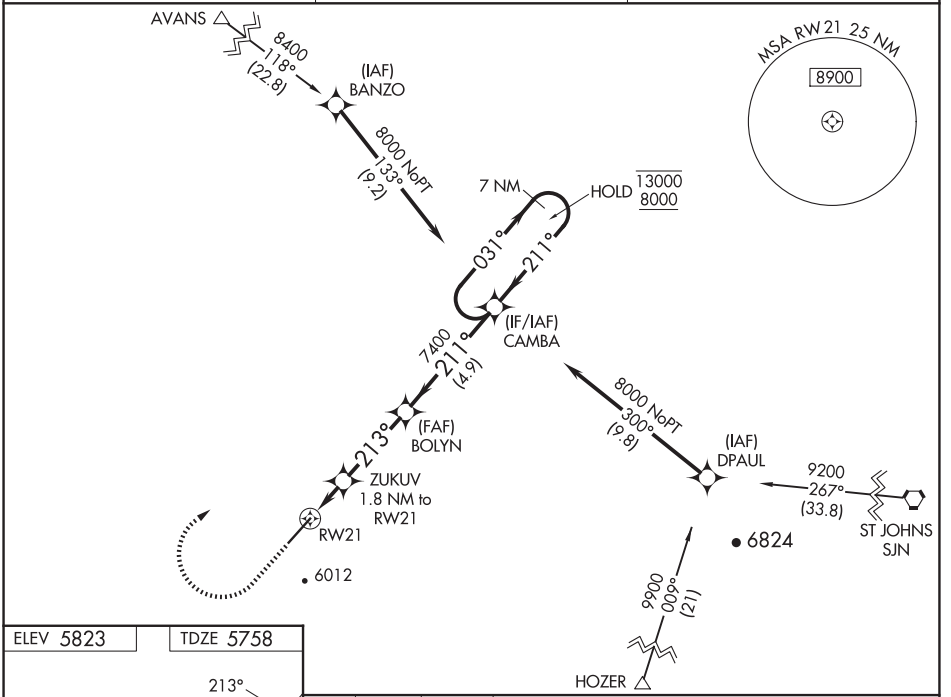
RNAV (GPS) RWY 21
TAYLOR (TYL)

RNP APCH-GPS.

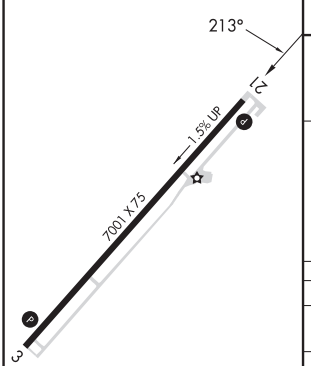
T When local altimeter setting not received, procedure NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 26°C or above 54°C.

MISSED APPROACH: Climb to 6300 then climbing right turn to 8000 direct CAMBA and hold.

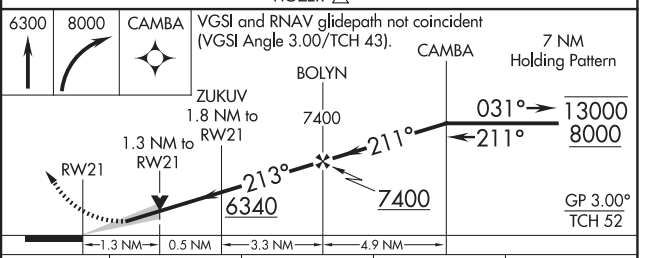
AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.075	132.9 239.05	122.7 (CTAF) L



ELEV 5823 TDZE 5758



MIRL Rwy 3-21 L
REIL Rwys 3 and 21 L



CATEGORY	A	B	C	D
LPV DA	6008-¾ 250 (200-¾)			
LNAV/VNAV DA	6008-¾ 250 (200-¾)			
LNAV MDA	6180-1 422 (400-1)		6180-1¼ 422 (400-1¼)	
C CIRCLING	6320-1 497 (500-1)	6440-1 617 (700-1)	6440-1¾ 617 (700-1¾)	6480-2 657 (700-2)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(CAMBA4.CAMBA) 21336

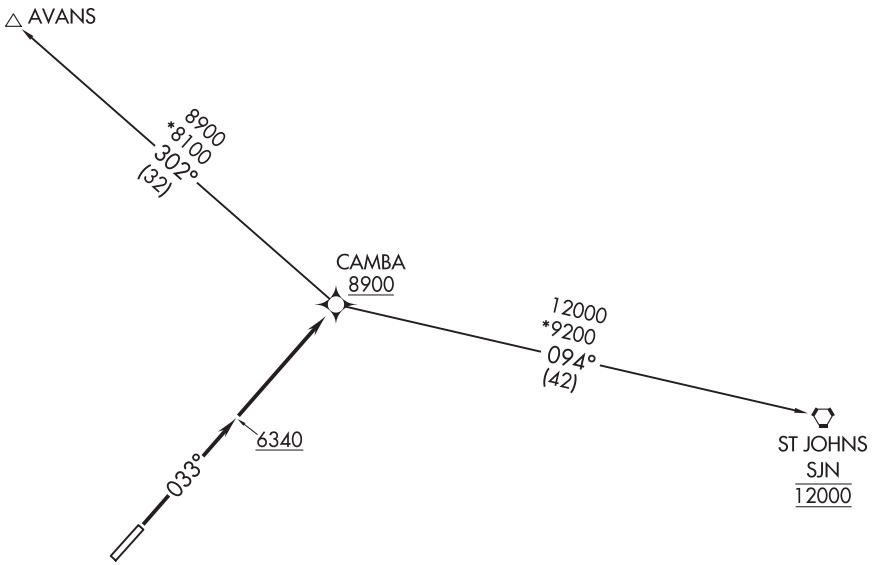
CAMBA FOUR DEPARTURE (RNAV)

AL-9422 (FAA)

TAYLOR (TYL)
TAYLOR, ARIZONA

ALBUQUERQUE CENTER
132.9 239.05

TOP ALTITUDE: ASSIGNED BY ATC



NOTE: GPS required.

NOTE: RNAV-1.

TAKEOFF MINIMUMS

Rwy 3: Standard with minimum climb of 500′ per NM to 6324.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb on heading 033° to 6340, then direct to cross CAMBA at or above 8900, thence. . . .

. . . .on (transition), maintain ATC assigned altitude, expect clearance to filed altitude/ flight level 10 minutes after departure.

AVANS TRANSITION (CAMBA4.AVANS)

ST JOHNS TRANSITION (CAMBA4.SJN)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 15
TONOPAH (TPH)

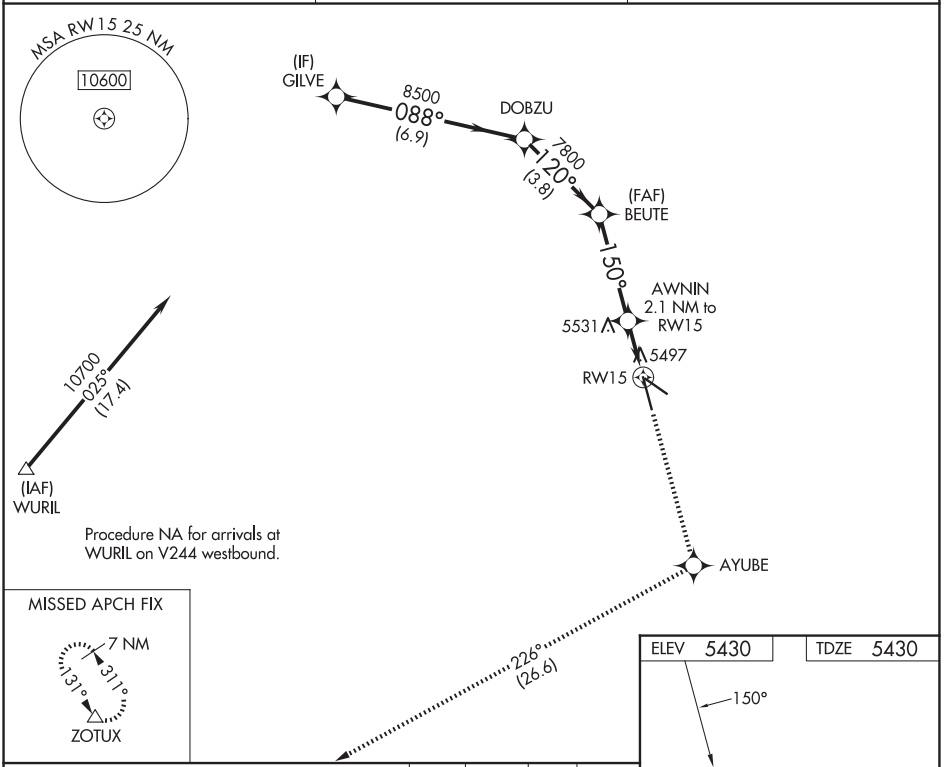
WAAS CH 42924 W15A	APP CRS 150°	Rwy Ldg 7160 / TDZE 5430 / Apt Elev 5430

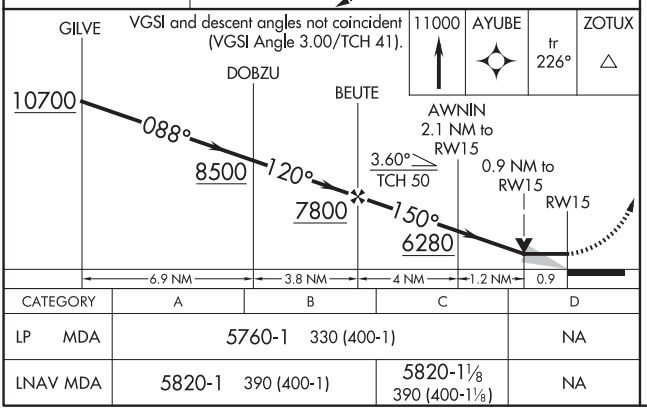
RNP APCH - GPS.

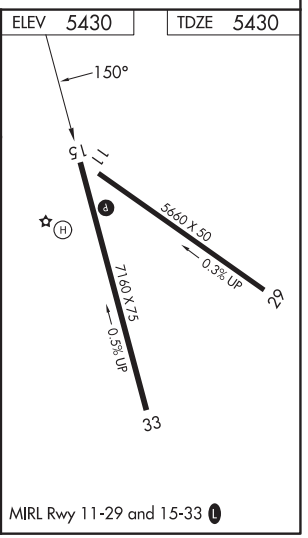
T When local altimeter setting not received, procedure NA.

MISSED APPROACH: Climb to 11000 direct AYUBE and on track 226° to ZOTUX and hold.

ASOS	NELLIS APP CON	UNICOM
118.875	119.35 254.4	123.0 (CTAF) L







CATEGORY	A	B	C	D
LP MDA	5760-1 330 (400-1)			NA
LNAV MDA	5820-1 390 (400-1)		5820-1⅛ 390 (400-1⅛)	NA

MIRL Rwy 11-29 and 15-33 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

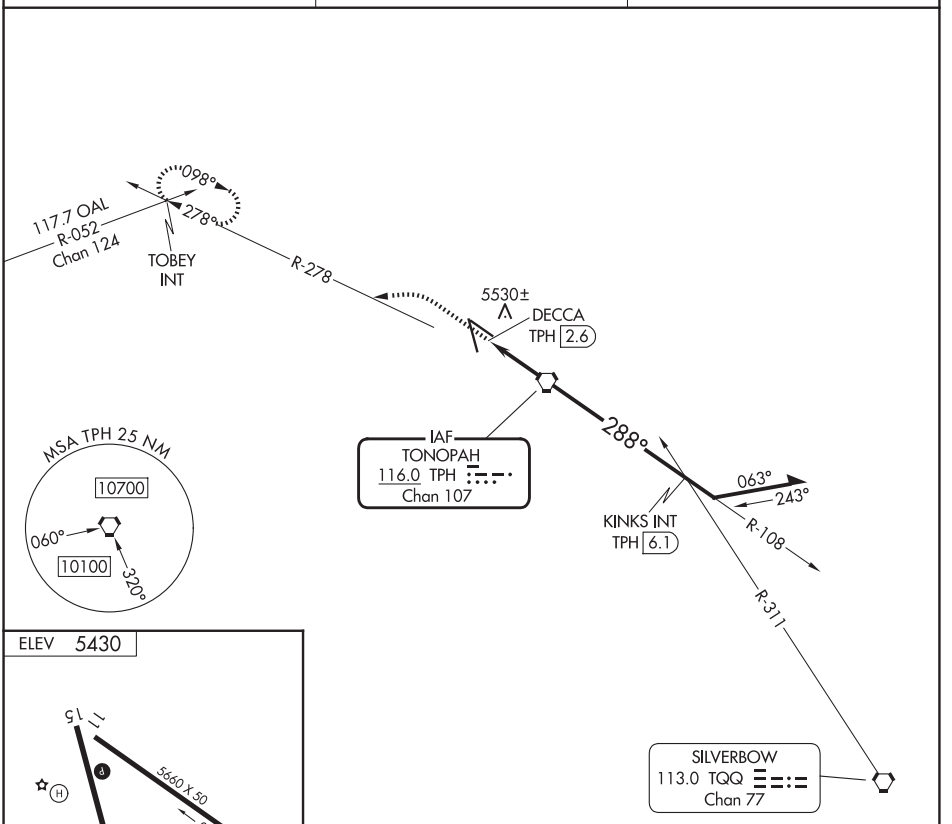
VORTAC TPH	APP CRS	Rwy Ldg	N/A
116.0	288°	TDZE	N/A
Chan 107		Apt Elev	5430

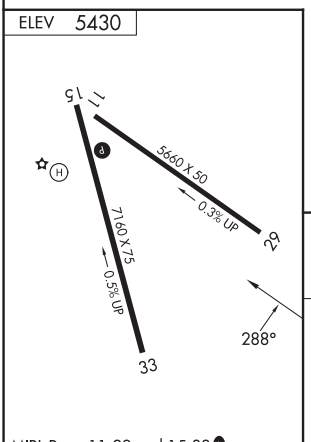
VOR-A
TONOPAH (TPH)

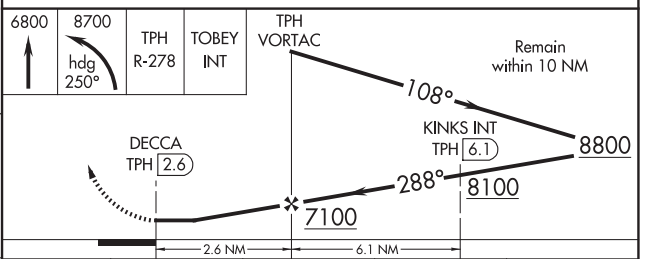
Circling Rwy 11 NA at night. When local altimeter setting not received, procedure NA. Circling NA for Cat D southwest of Rwy 15-33.

MISSED APPROACH: Climb to 6800 then climbing left turn to 8700 on heading 250° and on TPH VORTAC R-278 to TOBEY INT and hold.

ASOS	NELLIS APP CON	UNICOM
118.875	119.35 254.4	123.0 (CTAF) L



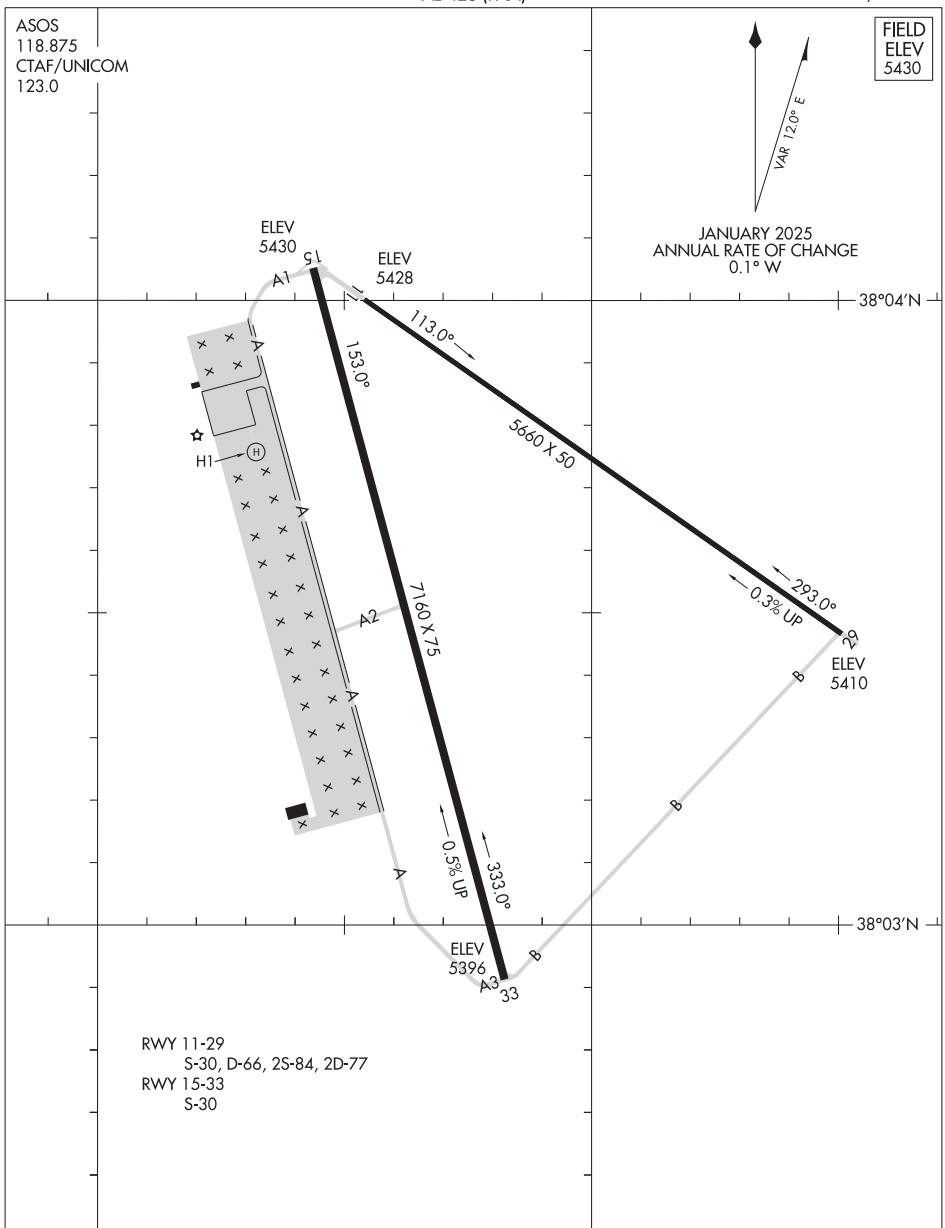




FAF to MAP 2.6 NM					
Knots	60	90	120	150	180
Min:Sec	2:36	1:44	1:18	1:02	0:52

CATEGORY	A	B	C	D
CIRCLING	6640-1¼ 1210 (1300-1¼)	6640-1½ 1210 (1300-1½)	6640-3 1210 (1300-3)	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025


ASOS
118.875
CTAF/UNICOM
123.0
FIELD
ELEV
5430
VAR 12.0° E
JANUARY 2025
ANNUAL RATE OF CHANGE
0.1° W
ELEV
5430
ELEV
5428
38°04′N
153.0°
113.0°
5660 X 50
H1
7160 X 75
293.0°
0.3% UP
ELEV
5410
0.5% UP
333.0°
ELEV
5396
38°03′N
RWY 11-29
S-30, D-66, 2S-84, 2D-77
RWY 15-33
S-30
117°06′W
117°05′W

TONOPAH, NEVADA

ILS or LOC/DME RWY 14

LOC I-RVP	APCH CRS	Rwy Idg / THRE / Arpt Elev
108.3	141°	12,001 / 5473 / 5550

AL-3188 [USAF]

TONOPAH TEST RANGE (KTNX)

*When ALS inop, increase vis to ¾ mile.
**When ALS inop, increase CAT AB vis to 1 mile, CAT CDE to 1⅜ miles.
***Circling not authorized W of Rwy 14-32.

ALSF-1

MISSED APPROACH: Turn left climbing to 11,000 via TQQ R-340 to CIBMU and hold, continue climb-in-hold to 11,000.

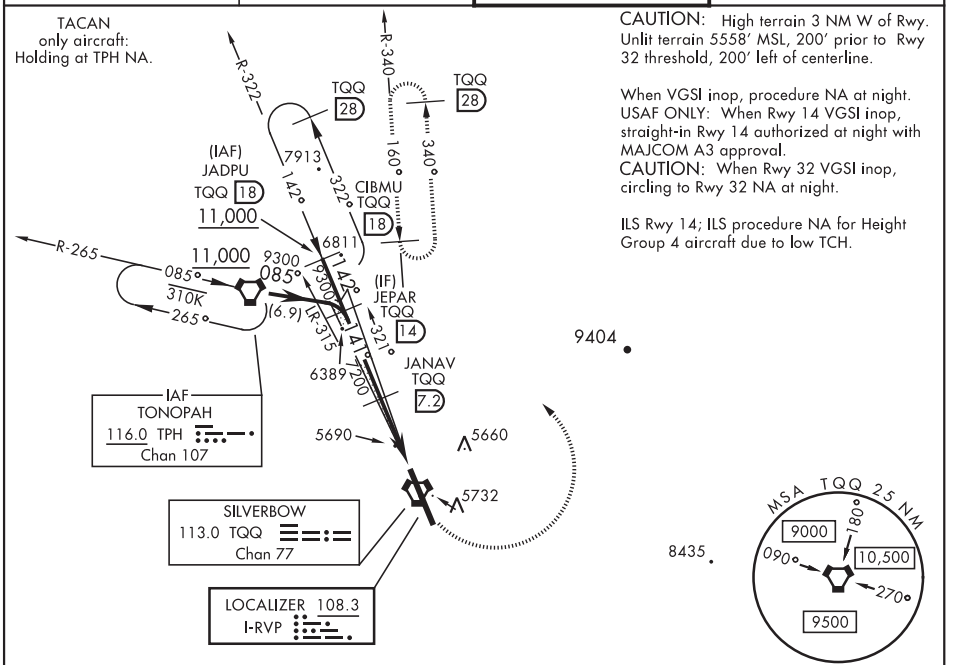
AWOS	NELLIS CONTROL	SILVERBOW TOWER★	GND CON
113.0	119.35 254.4	124.75 257.95 L	127.25 335.5

TACAN only aircraft: Holding at TPH NA.

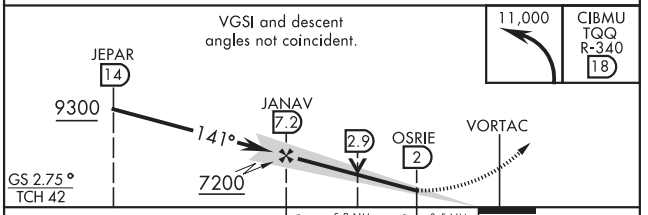
CAUTION: High terrain 3 NM W of Rwy. Unlit terrain 5558' MSL, 200' prior to Rwy 32 threshold, 200' left of centerline.

When VGSI inop, procedure NA at night.
USAF ONLY: When Rwy 14 VGSI inop, straight-in Rwy 14 authorized at night with MAJCOM A3 approval.
CAUTION: When Rwy 32 VGSI inop, circling to Rwy 32 NA at night.

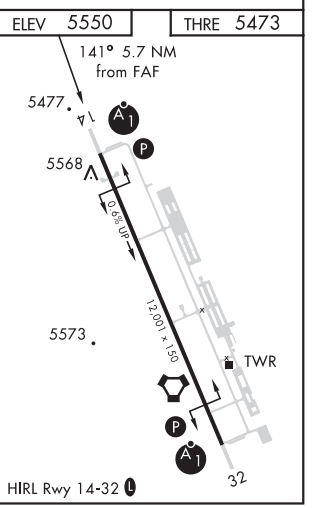
ILS Rwy 14; ILS procedure NA for Height Group 4 aircraft due to low TCH.



EMERG SAFE ALT 100 NM 16,600



CATEGORY	A	B	C	D	E
S-ILS 14*	5673 - ½ 200 (200-½)				
S-LOC 14**	5960- ½ 487 (500-½)		5960-1 487 (500-1)		
C CIRCLING***	6040-1 490 (500-1)		6040-1½ 490 (500-1½)	6100-2 550 (600-2)	



TONOPAH, NEVADA
Amdt 3 09JAN14

37°47'N - 116°47'W

TONOPAH TEST RANGE (KTNX)

ILS or LOC/DME RWY 14

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

ILS or LOC/DME RWY 32

LOC I-UVV	APCH CRS	Rwy ldg	12,001
111.7	321°	THRE	5550
		Arpt Elev	5550

AL-3188 [USAF] TONOPAH TEST RANGE (KTNX)

* When ALS inop, increase CAT CDE vis to 1¼ miles.
** Circling not authorized W of Rwy 14-32

ALSF-1

MISSED APPROACH: Climb to 11,000 via TQQ VORTAC R-325 to ROCEN and hold, continue climb in hold to 11,000.

AWOS	NELLIS CONTROL	SILVERBOW TOWER ★	GND CON
113.0	119.35 254.4	124.75 257.95 (L)	127.25 335.5

When VGSI inop, procedure NA at night.
USAF ONLY: When VGSI inop, straight-in Rwy 32 authorized at night with MAJCOM A3 approval.

ILS Rwy 32; F-28, CV-340/440/580, B-737, C-9, DC-9, C-130, T-43, B-2, S-3 Wheel Crossing Height 15'. ILS procedure NA for Height Group 3 and 4 aircraft due to low TCH.

CAUTION: High terrain 3 NM W of Rwy. Unlit terrain 5561' MSL, 200' prior to threshold, 385' left of course.

TQQ 28
7913
145°
325°
7756
ROCEN
TQQ 18
6862
R-325
9404
LOCALIZER 111.7
I-UVV
5660
5732
SILVERBOW
113.0 TQQ
Chan 77
5713
PALAE
TQQ 4
5871
DRAKO
TQQ 7.3
7090
141°
321°
(IF)
JIREM
TQQ 14
7138
(IAF)
JESVO
TQQ
18
141°
321°
TQQ
28
R-141
8435
MSA TQQ 25 NM
180°
9000
090°
10,500
270°
9500
7795
ELEV 5550
THRE 5550
HIRL Rwy 14-32 (L)
5568
14
12,001 x 150
0.6% DOWN
5575
TWR
32
5573
5591
5577
321° 6.8 NM from FAF

EMERG SAFE ALT 100 NM 16,600

11,000
TQQ
R-325
ROCEN
TQQ
18

VGSI and descent angles not coincident

VORTAC
WATLU 1
PALAE 4
DRAKO 7.3
JIREM 14
JESVO 18
321°
10,400
8700
6600
7600
GS 2.75°
TCH 30
0.5 NM
3 NM
3.3 NM

CATEGORY	A	B	C	D	E
S-ILS 32	5800-1	250 (300-1)			
S-LOC 32 *	5980-1	430 (500-1)			
C CIRCLING **	6040-1 490 (500-1)		6040-1½ 490 (500-1½)	6100-2 550 (600-2)	

TONOPAH, NEVADA
Amdt 2 09JAN14

37°47'N - 116°47'W

TONOPAH TEST RANGE (KTNX)

ILS or LOC/DME RWY 32

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

RNAV (GPS) RWY 14

APCH CRS	Rwy ldg	12,001
141°	TDZE	5496
	Arpt Elev	5550

AL-3188 [USAF]

TONOPAH TEST RANGE (KTNX)

* When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, CAT CD vis to 1⅜ miles.
** Circling not authorized W of Rwy 14-32.

ALSF-1

MISSED APPROACH: Turn left climbing to 11,000 direct JADPU and hold, continue climb-in-hold to 11,000.

AWOS	NELLIS CONTROL	SILVERBOW TOWER ★	GND CON
113.0	119.35 254.4	124.75 257.95	127.25 335.5

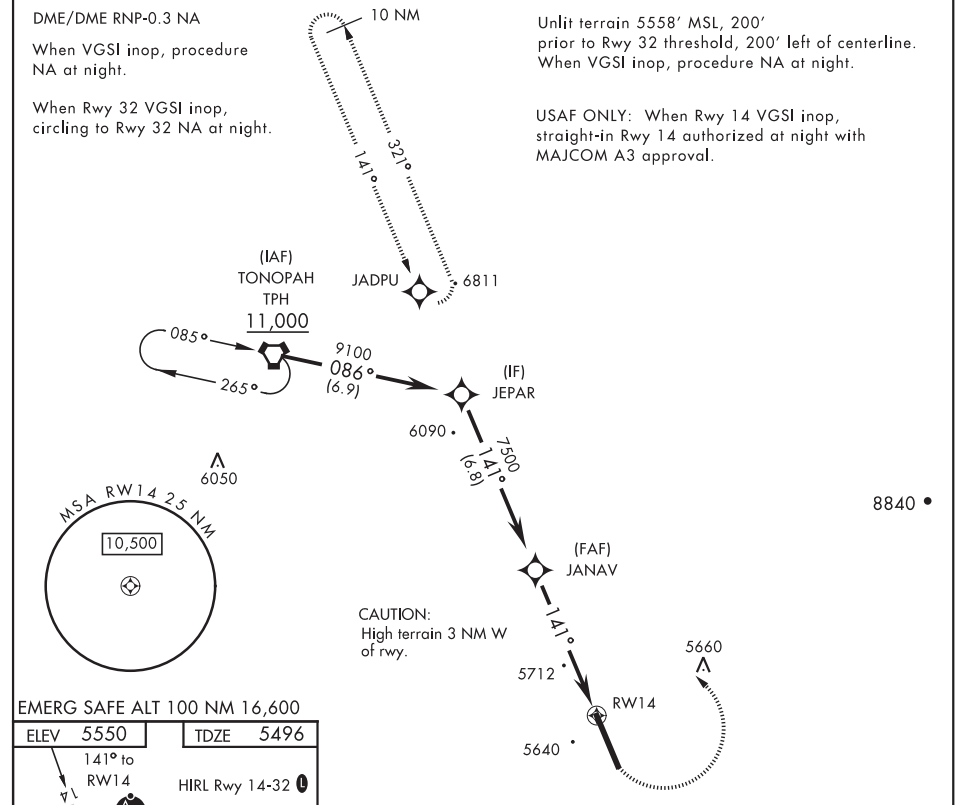
DME/DME RNP-0.3 NA

When VGSI inop, procedure NA at night.

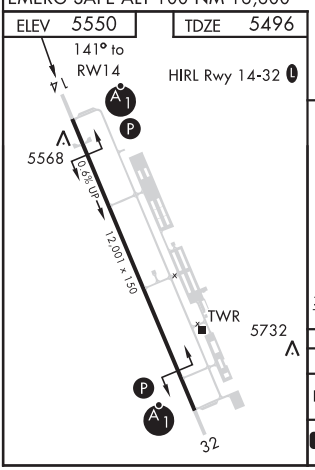
When Rwy 32 VGSI inop, circling to Rwy 32 NA at night.

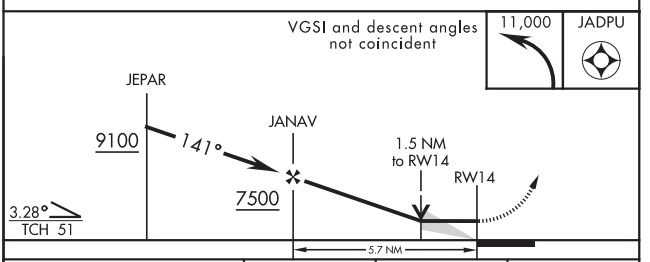
Unlit terrain 5558′ MSL, 200′ prior to Rwy 32 threshold, 200′ left of centerline. When VGSI inop, procedure NA at night.

USAF ONLY: When Rwy 14 VGSI inop, straight-in Rwy 14 authorized at night with MAJCOM A3 approval.



EMERG SAFE ALT 100 NM 16,600





CATEGORY	A	B	C	D
LNAV MDA *	5960/24 464 (500-½)		5960/50 464 (500-1)	
C CIRCLING **	6040-1 490 (500-1)		6040-1½ 490 (500-1½)	6100-2 550 (600-2)

TONOPAH, NEVADA

Amdt 4 29MAR18

37°47′N-116°47′W

TONOPAH TEST RANGE (KTNX)

RNAV (GPS) RWY 14

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

RNAV (GPS) RWY 32

APCH CRS	Rwy ldg	12,001
321°	TDZE	5550
	Arpt Elev	5550

AL-3188 [USAF] TONOPAH TEST RANGE (KTNX)

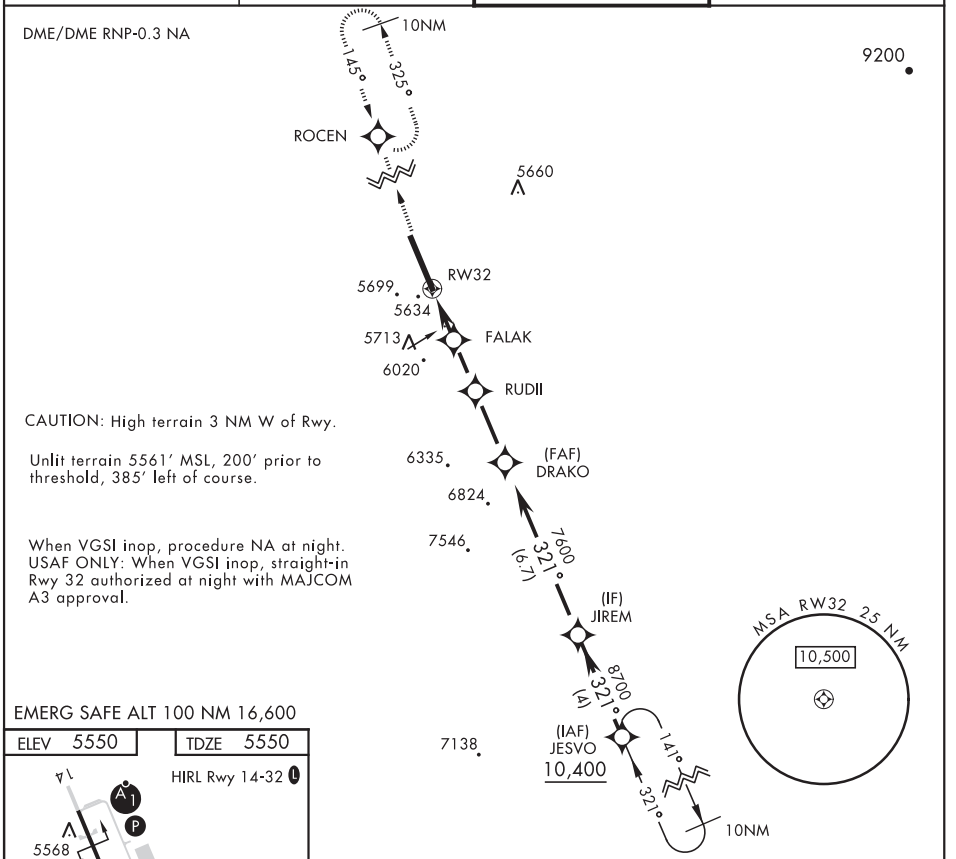
* When ALS inop, increase CAT CD vis to 1¼ miles.
** Circling not authorized W of Rwy 14-32.

ALSF-1

MISSED APPROACH: Climb to 11,000 direct ROCEN and hold, continue climb-in-hold to 11,000.

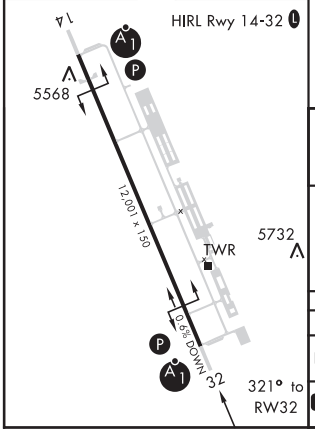
AWOS	NELLIS CONTROL	SILVERBOW TOWER ★	GND CON
113.0	119.35 254.4	124.75 257.95	127.25 335.5

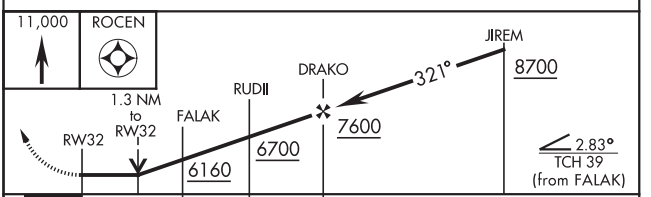
DME/DME RNP-0.3 NA



ELEV 5550	TDZE 5550

HIRL Rwy 14-32 L





CATEGORY	A	B	C	D
LNAV MDA *	5980/24 430 (500-½)		5980/40 430 (500-¾)	
C CIRCLING **	6040-1 490 (500-1)		6040-1½ 490 (500-1½)	6100-2 550 (600-2)

TONOPAH, NEVADA
Amdt 3 29MAR18

37°47'N-116°47'W

TONOPAH TEST RANGE (KTNX)

RNAV (GPS) RWY 32

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

VOR/DME Z RWY 14

VORTAC TQQ	APCH CRS	Rwy ldg 12,001
113.0	145°	THRE 5473
Chan 77		Arpt Elev 5550

AL-3188 [USAF] TONOPAH TEST RANGE (KTNX)

* Circling not authorized W of Rwy 14-32.

ALSF-1

MISSED APPROACH: Turn left, climb to 11,000 direct to TPH VORTAC and hold. Continue climb in holding to 11,000.

AWOS	NELLIS CONTROL	SILVERBOW TOWER★	GND CON
113.0	119.35 254.4	124.75 257.95	127.25 335.5

TONOPAH
116.0 TPH
Chan 107

082°
262°

6450
R-325
190°
010°
145°
(IAF)
LOZMO
TQQ
6.5
5705
5580
7415

When VGSI inop, procedure NA at night.

USAF ONLY: When Rwy 14 VGSI inop, straight-in Rwy 14 authorized at night with MAJCOM A3 approval.

CAUTION: When Rwy 32 VGSI inop, circling to Rwy 32 NA at night.

CAUTION: High terrain 3 NM W of Rwy. Unlit terrain 5558' MSL, 200' prior to Rwy 32 threshold, 200' left of centerline.

SILVERBOW
113.0 TQQ
Chan 77

MSA TQQ 25 NM
180°
9000
090°
10,500
270°
9500

EMERG SAFE ALT 100 NM 16,600 FROM TQQ

ELEV 5550 THRE 5473

145° 5 NM from FAF

5568

0.6% UP

12,001 x 150

TWR

5732

32

HIRL Rwy 14-32 L

VGSI and descent angle not coincident.

LOZMO 6.5

8800

325°

145°

Remain within 10 NM.

7300

3.33°
TCH 51

11,000 TPH

VORTAC

HUGER 2

4.5 NM 0.5

CATEGORY	A	B	C	D	E
S-14	5960/24 487 (500-½)		5960/50 487 (500-1)	NOT AUTHORIZED	
C CIRCLING*	6040-1 490 (500-1)		6040-1½ 490 (500-1½)	NOT AUTHORIZED	

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

VOR/DME Z RWY 32

VORTAC TQQ	APCH CRS	Rwy ldg 12,001
113.0	314°	THRE 5550
Chan 77		Arpt Elev 5550

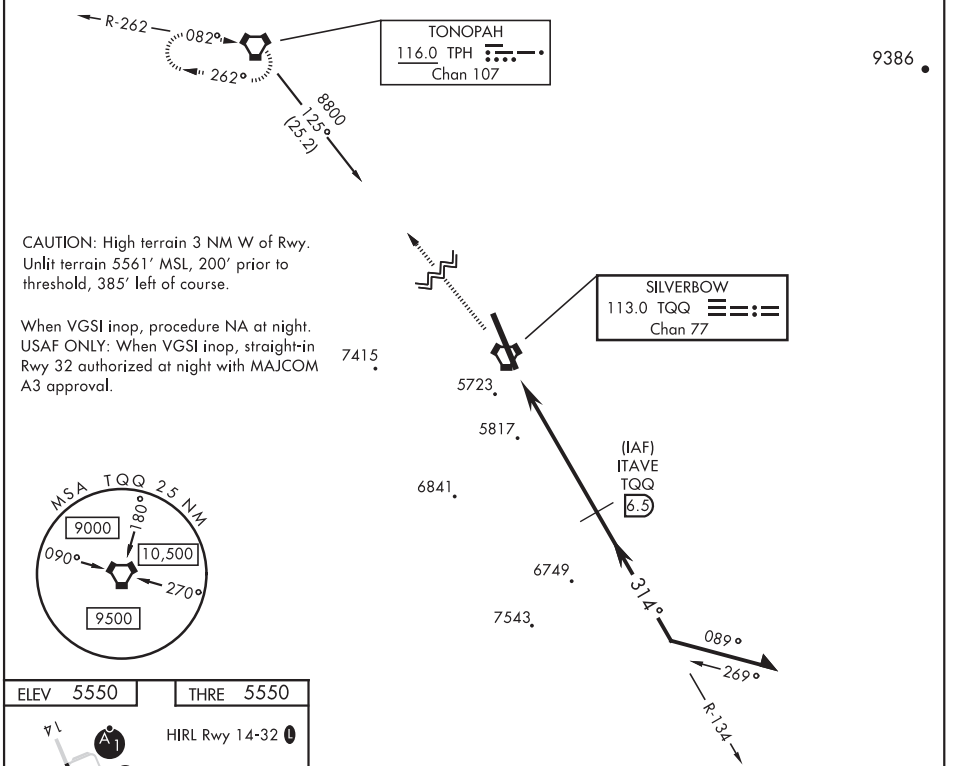
AL-3188 [USAF] TONOPAH TEST RANGE (KTNX)

*Circling not authorized W of Rwy 14-32.

ALSF-1

MISSED APPROACH: Climb to 11,000 direct to TPH VORTAC and hold. Continue climb in holding to 11,000.

AWOS	NELLIS CONTROL	SILVERBOW TOWER★	GND CON
113.0	119.35 254.4	124.75 257.95 (L)	127.25 335.5



CATEGORY	A	B	C	D	E
S-32	6080/24	530 (600-½)	6080/55 530 (600-1)	NOT AUTHORIZED	
C CIRCLING*	6080-1	530 (600-1)	6080-1½ 530 (600-1½)	NOT AUTHORIZED	

TONOPAH, NEVADA 37° 47' N-116° 47' W TONOPAH TEST RANGE (KTNX)

Amdt 2 29MAY14

VOR/DME Z RWY 32

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

VOR/DME or TACAN RWY 14

VORTAC TQQ	APCH CRS	Rwy Idg 12,001
113.0	145°	THRE 5473
Chan 77		Arpt Elev 5550

AL-3188 [USAF] TONOPAH TEST RANGE (KTNX)

T * When ALS inop, increase CAT AB vis to 1 mile, CAT CDE vis to 1⅜ miles.
** Circling not authorized W of Rwy 32.

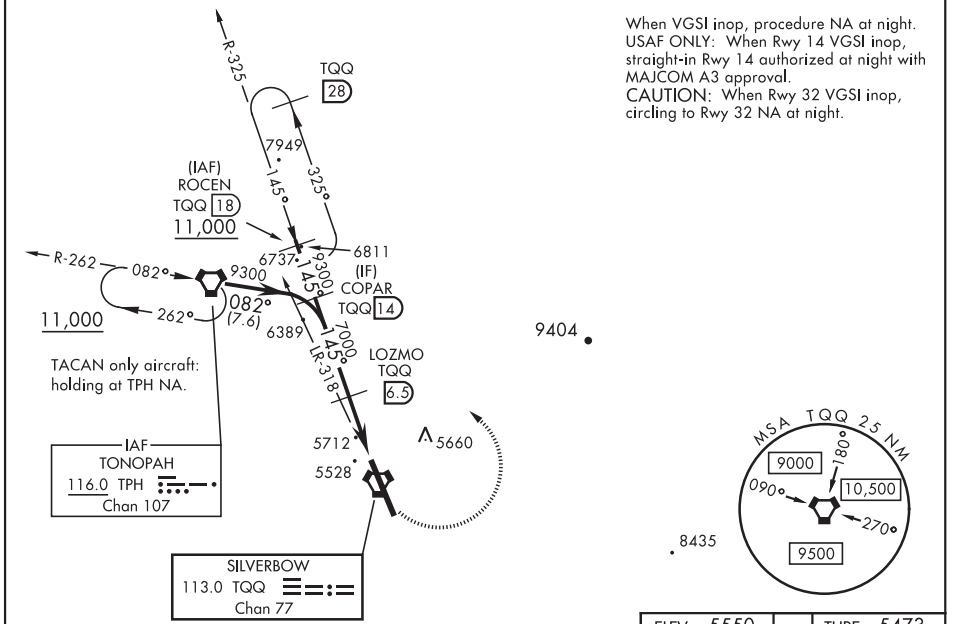
ALSF-1

MISSED APPROACH: Turn left climbing to 11,000 via TQQ R-325 to ROCEN and hold, continue climb-in-hold to 11,000.

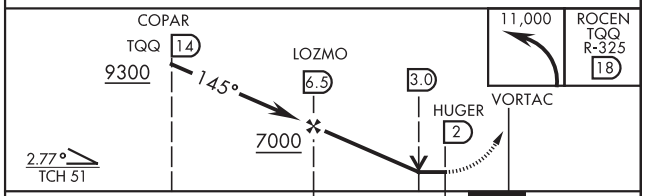
AWOS	NELLIS CONTROL	SILVERBOW TOWER★	GND CON
113.0	119.35 254.4	124.75 257.95 L	127.25 335.5

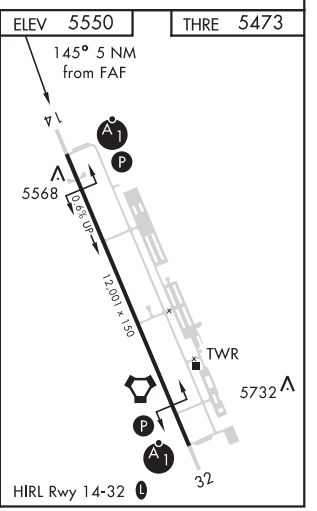
CAUTION: High terrain 3 NM W of Rwy. Unlit terrain 5558' MSL, 200' prior to Rwy 32 threshold, 200' left of centerline.

When VGSI inop, procedure NA at night.
USAF ONLY: When Rwy 14 VGSI inop, straight-in Rwy 14 authorized at night with MAJCOM A3 approval.
CAUTION: When Rwy 32 VGSI inop, circling to Rwy 32 NA at night.



EMERG SAFE ALT 100 NM 16,600





CATEGORY	A	B	C	D	E
S-14 *	5980-½ 507 (500-½)		5980-1 507 (500-1)		
C CIRCLING **	6040-1 490 (500-1)		6040-1½ 490 (500-1½)	6100-2 550 (600-2)	

37°47'N - 116°47'W

VOR/DME or TACAN RWY 14

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH, NEVADA

VOR/DME or TACAN RWY 32

VORTAC TQQ	APCH CRS	Rwy ldg 12,001
113.0	314°	THRE 5550
Chan 77		Arpt Elev 5550

AL-3188 [USAF] TONOPAH TEST RANGE (KTNX)

* When ALS inop, increase CAT CDE vis to 1½ miles.
** Circling not authorized W of Rwy 14-32

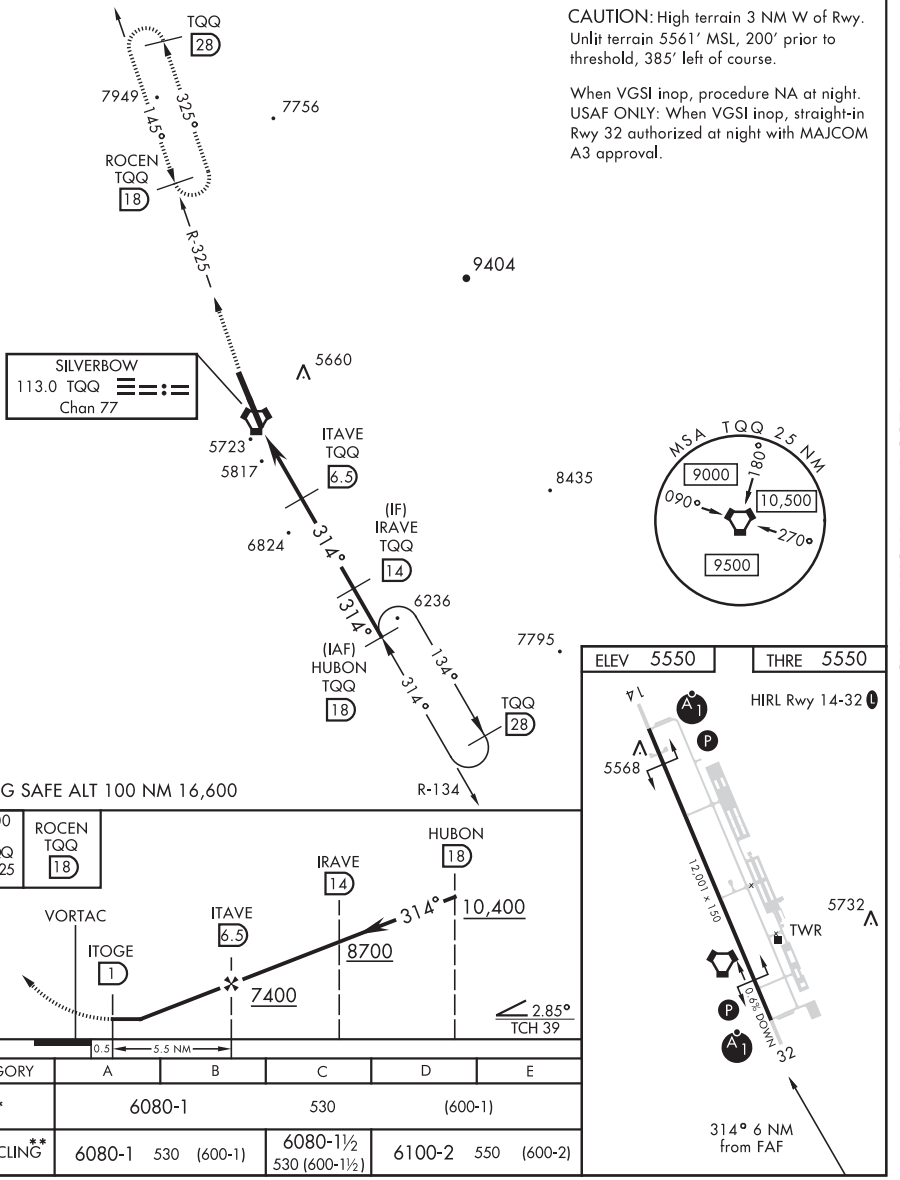
ALSF-1

MISSED APPROACH: Climb to 11,000 via TQQ VORTAC R-325 to ROCEN and hold, continue climb in hold to 11,000.

AWOS	NELLIS CONTROL	SILVERBOW TOWER★	GND CON
113.0	119.35 254.4	124.75 257.95 (L)	127.25 335.5

CAUTION: High terrain 3 NM W of Rwy. Unlit terrain 5561′ MSL, 200′ prior to threshold, 385′ left of course.

When VGSI inop, procedure NA at night. USAF ONLY: When VGSI inop, straight-in Rwy 32 authorized at night with MAJCOM A3 approval.



CATEGORY	A	B	C	D	E
S-32 *	6080-1		530	(600-1)	
C CIRCLING **	6080-1 530 (600-1)		6080-1½ 530 (600-1½)	6100-2 550 (600-2)	

TONOPAH, NEVADA
Amdt 2 09JAN14

37°47′N - 116°47′W

TONOPAH TEST RANGE (KTNX)

VOR/DME or TACAN RWY 32

SW-4, 07 AUG 2025 to 02 OCT 2025

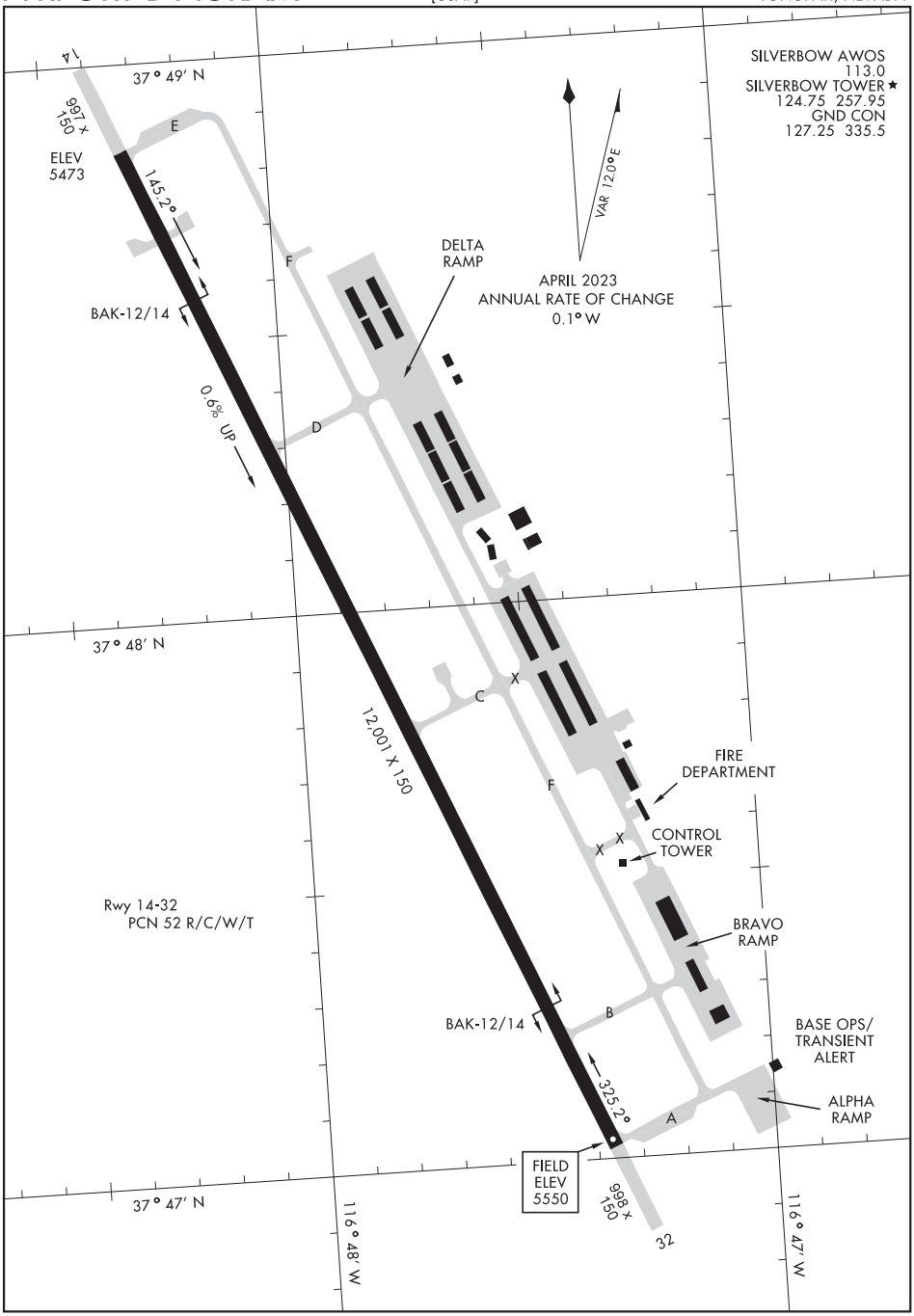
25163

AIRPORT DIAGRAM

TONOPAH TEST RANGE (KTNX)

[USAF]

TONOPAH, NEVADA



AIRPORT DIAGRAM

TONOPAH, NEVADA

TONOPAH TEST RANGE (KTNX)

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH TEST RANGE (KTNX)

ESSAA ONE (RNAV) DEPARTURE (ESSAA1· ESSAA)

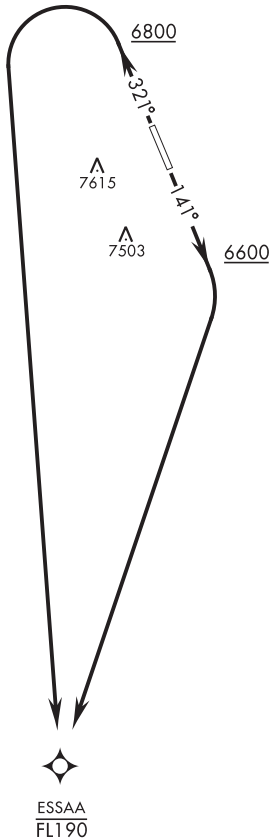
TONOPAH, NEVADA

AWOS 113.0
GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

[USAF] AL-3188

Rwy	Knots	60	120	180	240	300	360
14 ⓒ	V/V(fpm)	387	774	1161	1548	1935	2322
32 ⓑ	V/V(fpm)	336	672	1008	1344	1680	2016

Minimum Climb Rate
ⓐ to 8200
ⓑ to 8300



RNAV1

GPS REQUIRED

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Climb on heading 141° to 6600, then right turn direct to cross ESSAA at or below FL190 or as assigned by ATC.

TAKEOFF RWY 32: Climb on heading 321° to 6800, then left turn direct ESSAA maintain at or below FL190 or as assigned by ATC.

ESSAA ONE (RNAV) DEPARTURE (ESSAA1· ESSAA)

TONOPAH, NEVADA

Orig 24MAR22

TONOPAH TEST RANGE (KTNX)

SW-4, 07 AUG 2025 to 02 OCT 2025

22083

TONOPAH TEST RANGE (KTNX)

JAYSN ONE (RNAV) DEPARTURE (JAYSN1 · JAYSN)

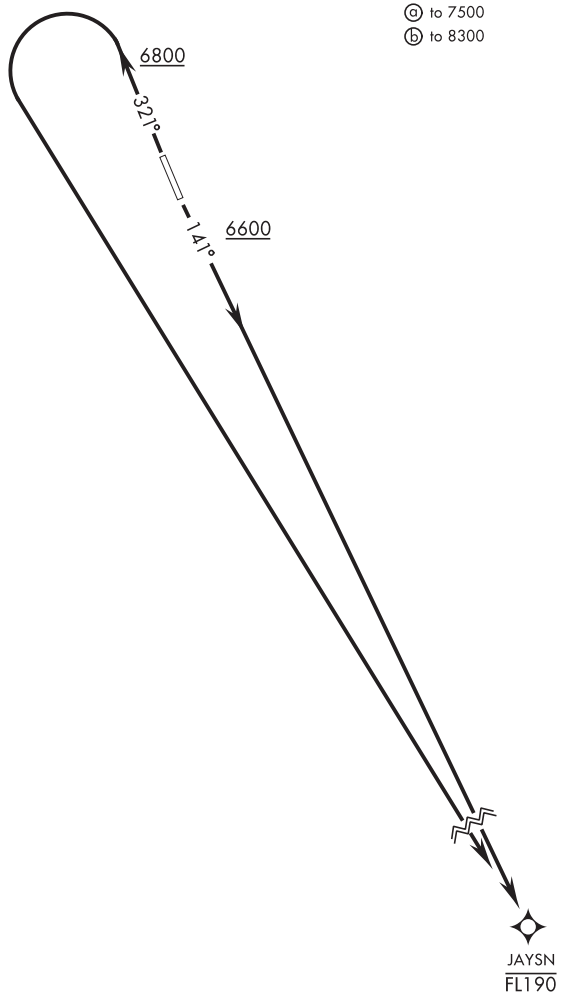
TONOPAH, NEVADA

AWOS 113.0
GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

[USAF] AL-3188

Rwy	Knots	60	120	180	240	300	360
14 ⓐ	V/V(fpm)	246	492	738	984	1230	1476
32 ⓑ	V/V(fpm)	336	672	1008	1344	1680	2016

Minimum Climb Rate
ⓐ to 7500
ⓑ to 8300



RNAV1

GPS REQUIRED

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Climb on heading 141° to 6600, then direct to cross JAYSN at or below FL190 or as assigned by ATC.

TAKEOFF RWY 32: Climb on heading 321° to 6800, then left turn direct JAYSN or as assigned by ATC.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

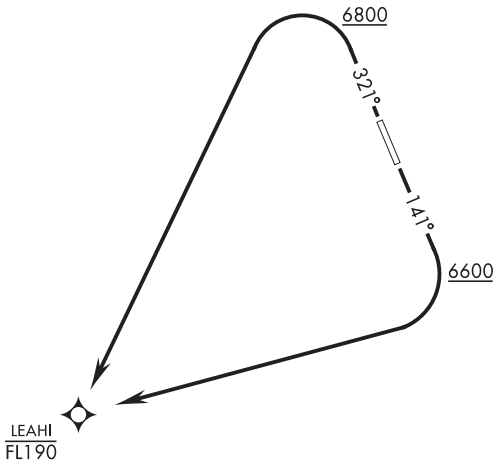
LEAHI ONE (RNAV) DEPARTURE (LEAHI1 · LEAHI)

AWOS 113.0
GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

[USAF] AL-3188

Rwy	Knots	60	120	180	240	300	360
14 ⓐ	V/V(fpm)	387	774	1161	1548	1935	2322
32 ⓑ	V/V(fpm)	336	672	1008	1344	1680	2016

Minimum Climb Rate
ⓐ to 8200
ⓑ to 8300



RNAV1

GPS REQUIRED

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Climb on heading 141° to 6600, then right turn direct to cross LEAHI at or below FL190 or as assigned by ATC.

TAKEOFF RWY 32: Climb on heading 321° to 6800, then left turn direct to cross LEAHI at or below FL190 or as assigned by ATC.

SW-4, 07 AUG 2025 to 02 OCT 2025

18200

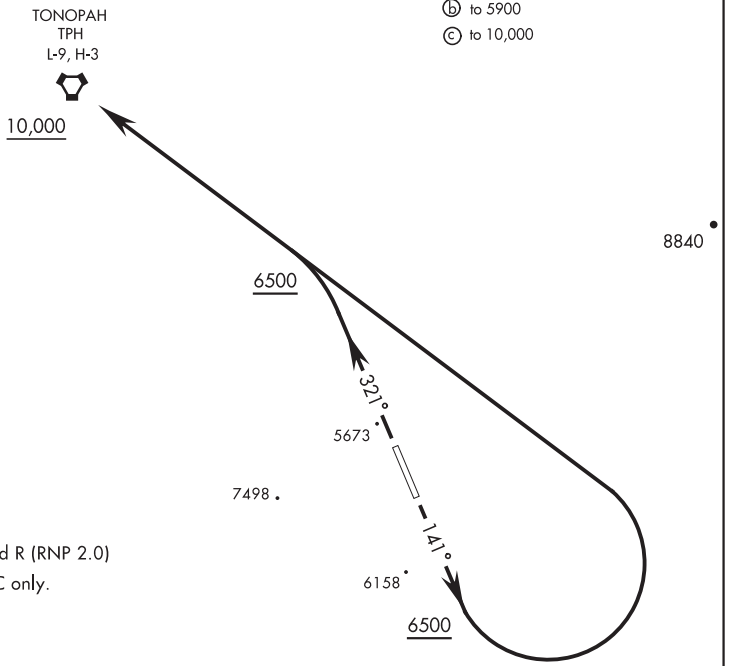
RANGE TWO (RNAV) DEPARTURE (RANGE2•TPH)

TONOPAH TEST RANGE (KTNX)
SHL-3188 [USAF] TONOPAH, NEVADA

GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

Rwy	Knots	60	120	180	240	300	360
14 ⓐ	V/V(fpm)	205	410	615	820	1025	1230
32 ⓑ	V/V(fpm)	260	520	780	1040	1300	1560
32 ⓒ	V/V(fpm)	263	526	789	1052	1315	1578

MINIMUM CLIMB RATE
ⓐ to 7500
ⓑ to 5900
ⓒ to 10,000



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

GPS REQUIRED

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 14: Climb heading 141°. When leaving 6500 turn left direct TPH VORTAC, cross TPH at or above 10,000.

TAKE-OFF RWY 32: Climb heading 321°. When leaving 6500 turn left direct TPH VORTAC, cross TPH at or above 10,000.

SILVER ONE DEPARTURE (SILVR1 · SILVR)

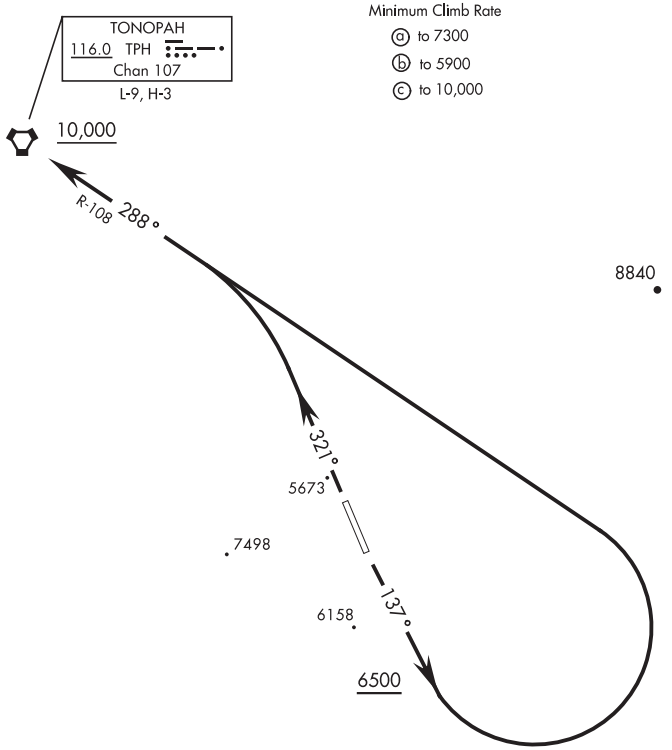
AL-3188 [USAF]

TONOPAH, NEVADA

GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

Rwy	Knots	60	120	180	240	300	360
14 ⓐ	V/V(fpm)	220	440	660	880	1100	1320
32 ⓑ	V/V(fpm)	260	520	780	1040	1300	1560
32 ⓒ	V/V(fpm)	261	522	783	1044	1305	1566

Minimum Climb Rate
ⓐ to 7300
ⓑ to 5900
ⓒ to 10,000



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 14: Climb heading 137°, when leaving 6500 turn left direct TPH VORTAC. Cross TPH at or above 10,000.

TAKEOFF RWY 32: Climb heading 321° to intercept TPH VORTAC R-108 direct TPH. Cross TPH at or above 10,000.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

18200

STOFF TWO DEPARTURE (STOFF2•STOFF)

SHL-3188 [USAF]

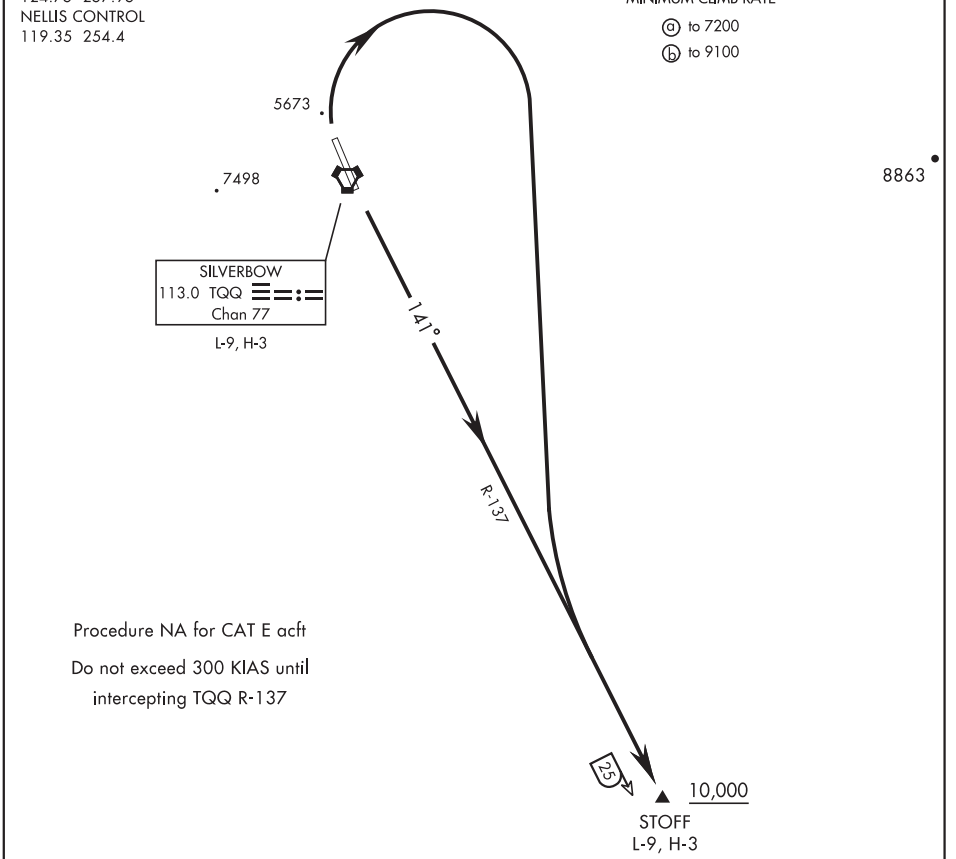
TONOPAH TEST RANGE (KTNX)

TONOPAH, NEVADA

GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

Rwy	Knots	60	120	180	240	300	360
14 ⓐ	V/V(fpm)	205	410	615	820	1025	1230
32 ⓑ	V/V(fpm)	260	520	780	1040	1300	1560

MINIMUM CLIMB RATE
ⓐ to 7200
ⓑ to 9100



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 14: Climb heading 141° to intercept TQQ VORTAC R-137 to STOFF, cross STOFF at or above 10,000.

TAKE-OFF RWY 32: Climbing right turn to intercept TQQ VORTAC R-137 to STOFF, cross STOFF at or above 10,000.

STOFF TWO DEPARTURE (STOFF2•STOFF)

TONOPAH, NEVADA

TONOPAH TEST RANGE (KTNX)

SW-4, 07 AUG 2025 to 02 OCT 2025

TONOPAH TEST RANGE (KTNX)

TONOPAH THREE (RNAV) DEPARTURE (TPH3 • TPH)

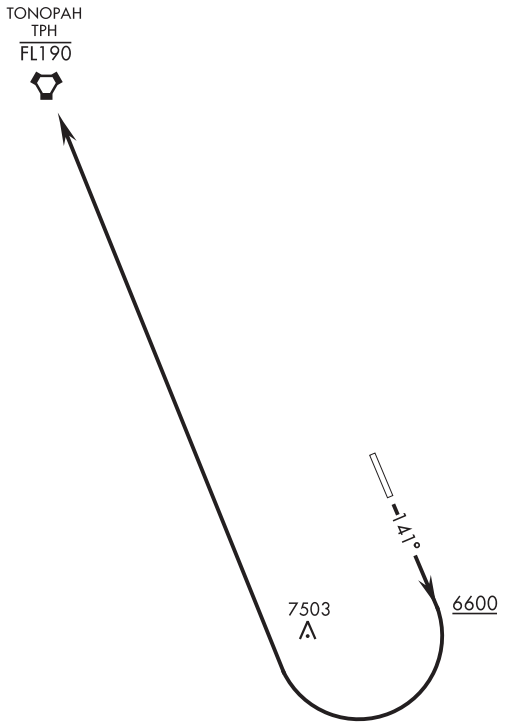
TONOPAH, NEVADA

AWOS 113.0
GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

AL-3188 [USAF]

Rwy	Knots	60	120	180	240	300	360
14	V/V(fpm)	387	774	1161	1548	1935	2322

Minimum Climb Rate to 8200



RNAV1

GPS REQUIRED

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 14: Climb on heading 141° to 6600, then right turn direct to cross TPH at or below FL190 or as assigned by ATC.

TONOPAH THREE (RNAV) DEPARTURE (TPH3 • TPH)

TONOPAH, NEVADA

Orig 24MAR22

TONOPAH TEST RANGE (KTNX)

SW-4, 07 AUG 2025 to 02 OCT 2025

18200

TONOPAH TEST RANGE (KTNX)

TUMBE ONE (RNAV) DEPARTURE (TUMBE1 · TUMBE)

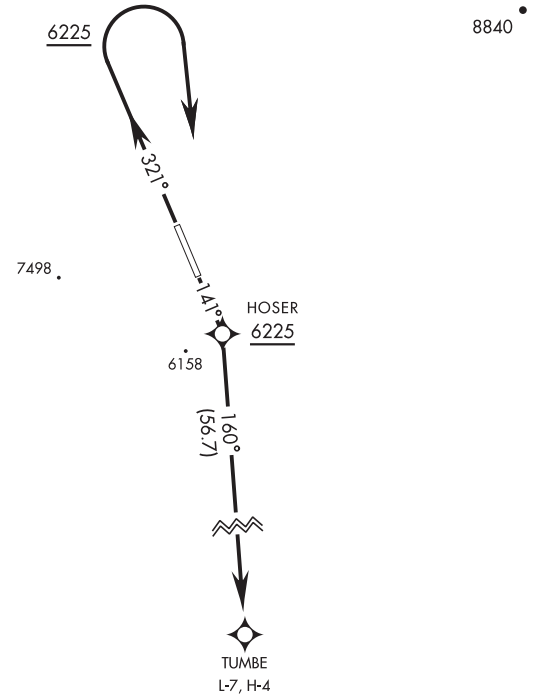
TONOPAH, NEVADA

GND CON
127.25 335.5
SILVERBOW TOWER ★
124.75 257.95
NELLIS CONTROL
119.35 254.4

SHL-3188 [USAF]

Rwy	Knots	60	120	180	240	300	360
14 ⓐ	V/V(fpm)	300	600	900	1200	1500	1800
32 ⓑ	V/V(fpm)	265	530	795	1060	1325	1590

Minimum Climb Rate
ⓐ to 10,700
ⓑ to 5900



GPS REQUIRED

For use by E/F/G and R (RNP 2.0) equipped A/C only.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 14: Fly heading 141°, at 6225 (HOSER) turn right direct TUMBE.

TAKE-OFF RWY 32: Fly heading 321°, at 6225 turn right direct TUMBE.

TUMBE ONE (RNAV) DEPARTURE (TUMBE1 · TUMBE)

TONOPAH, NEVADA

TONOPAH TEST RANGE (KTNX)

SW-4, 07 AUG 2025 to 02 OCT 2025

LOC/DME I-TVY	APP CRS	Rwy Idg	6102
111.15	166°	TDZE	4297
Chan 48(Y)		Apt Elev	4322

ILS or LOC RWY 17

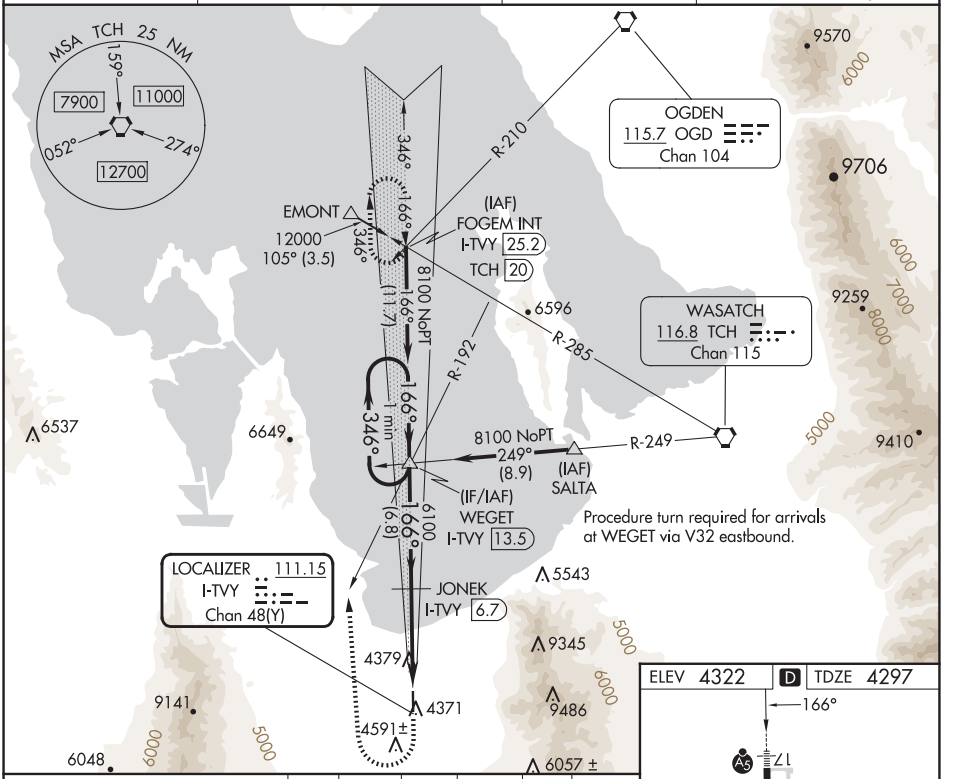
BOLINDER FLD/TOOELE VALLEY (TVY)

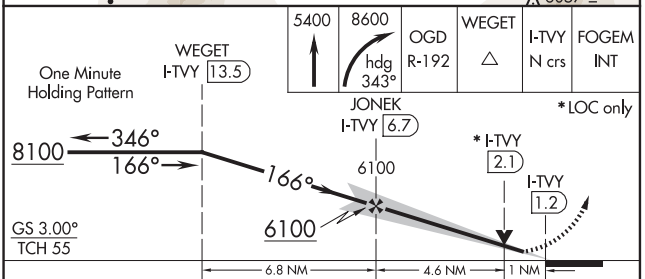
DME required.
For inop ALS, increase S-LOC Cat C/D visibility to 1 SM.

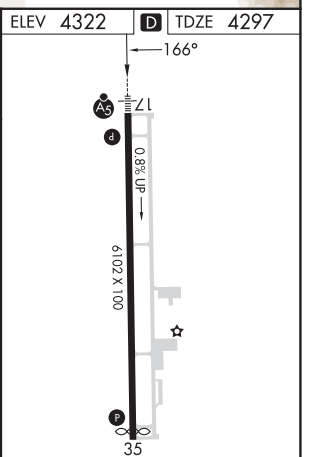
MALSR

MISSED APPROACH: Climb to 5400 then climbing right turn to 8600 heading 343° and OGD VORTAC R-192 to WEGET INT/I-TVY 13.5 DME and I-TVY north course to FOGEM INT/I-TVY 25.2 DME and hold.

AWOS-3	SALT LAKE CITY APP CON	CLNC DEL	UNICOM
119.725	135.5 316.15	124.4	123.0 (CTAF)







CATEGORY	A	B	C	D
S-ILS 17	4497-½ 200 (200-½)			
S-LOC 17	4640-½ 343 (400-½)		4640-⅝ 343 (400-⅝)	
C CIRCLING	4820-1 498 (500-1)	4900-1 578 (600-1)	5060-2 738 (800-2)	5380-3 1058 (1100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025

TOOELE, UTAH | AL-6944 (FAA) | 24305

RNAV (GPS) RWY 17

BOLINDER FLD/TOOELE VALLEY (TVY)

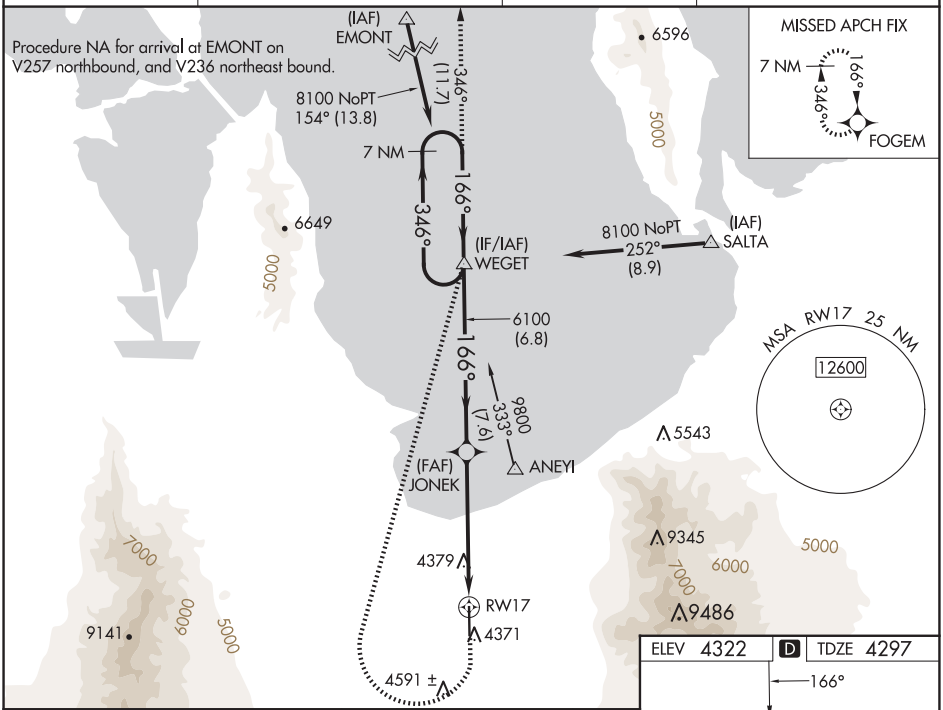
WAAS	APP CRS		
CH **73031**	**166°**	Rwy Idg	**6102**
W17A		TDZE	**4297**
		Apt Elev	**4322**

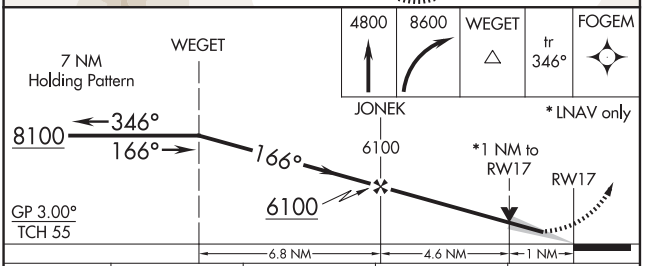
T A For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C (-9°F) or above 49°C (120°F). DME/DME RNP-0.3 NA. For inop ALS, increase LNAV/VNAV all Cats visibility to ⅞ SM, increase LNAV Cat C/D visibility to 1 SM.

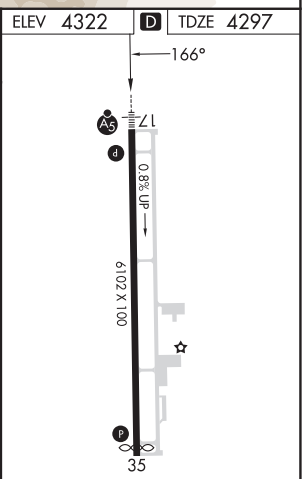
MALSR

MISSED APPROACH: Climb to 4800 then climbing right turn to 8600 direct WEGET and track 346° to FOGEM and hold.

AWOS-3	SALT LAKE CITY APP CON	CLNC DEL	UNICOM
119.725	**135.5 316.15**	**124.4**	**123.0** (CTAF) L







CATEGORY	A	B	C	D
LPV DA	4497-½	200 (200-½)		
LNAV/VNAV DA	4547-½	250 (300-½)		
LNAV MDA	4640-½	343 (400-½)	4640-⅝	343 (400-⅝)
C CIRCLING	4820-1 498 (500-1)	4900-1 578 (600-1)	5060-2 738 (800-2)	5380-3 1058 (1100-3)

TOOELE, UTAH
Amdt 4 14SEP17

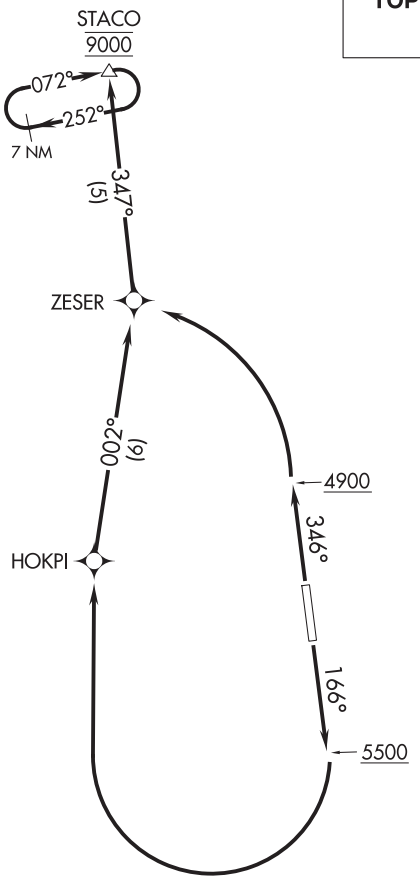
40°37′N-112°21′W

BOLINDER FLD/TOOELE VALLEY (TVY)
RNAV (GPS) RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

SALT LAKE CITY DEP CON
135.5 316.15
SLC ASOS
125.625
AWOS-3
119.725
CTAF
123.0

TOP ALTITUDE: 9000



NOTE: RNAV 1.
NOTE: GPS required.

TAKEOFF MINIMUMS

Rwy 17: Standard with minimum climb of 350′ per NM to 8200.

Rwy 35: Standard with minimum climb of 380′ per NM to 9000.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17: Climb heading 166° to 5500, then climbing right turn direct HOKPI, then on depicted route to STACO, thence. . . .

TAKEOFF RUNWAY 35: Climb heading 346° to 4900, then climbing left turn direct ZESER, then on depicted route to STACO, thence. . . .

. . . . Maintain 9000 and hold at STACO.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

ILS or LOC RWY 6R

RYAN FLD (RYN)

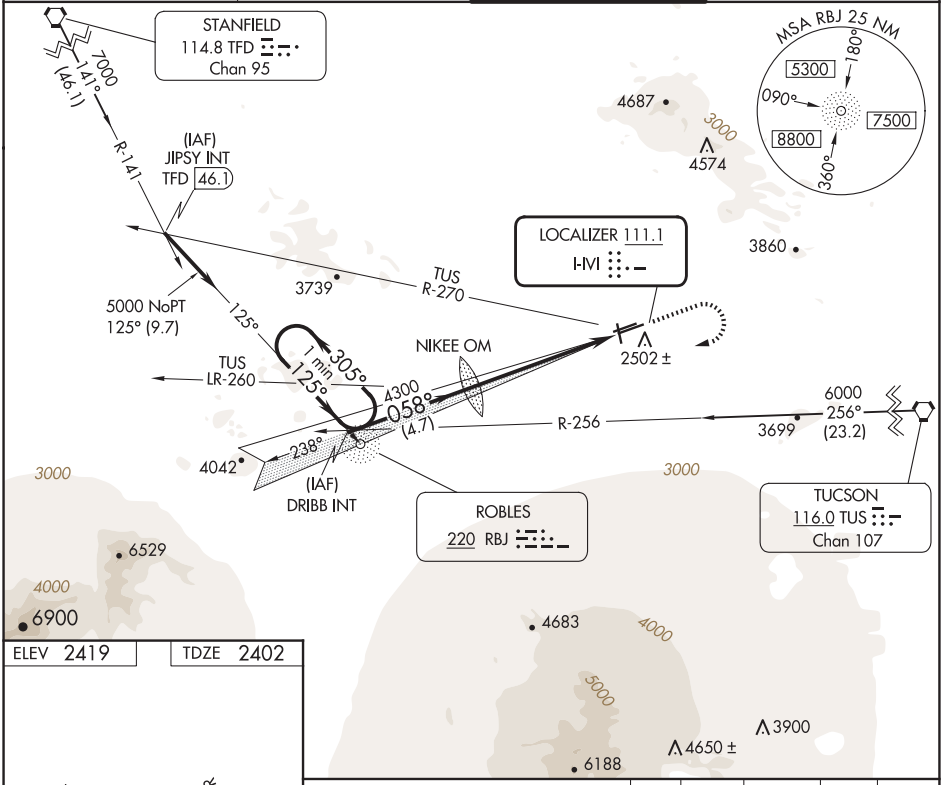
LOC I-IVI	APP CRS	Rwy Idg	5500
111.1	058°	TDZE	2402
		Apt Elev	2419

ADF required.

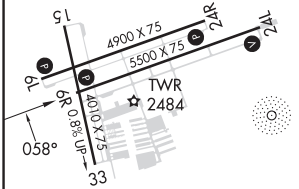
T A NA Circling NA for Cat D north of Rwy 24R and east of Rwy 15.

MISSED APPROACH: Climb to 3000, then climbing right turn to 5000 via direct RBJ NDB and 305° bearing RBJ to DRIBB INT and hold.

ATIS	TUCSON APP CON	RYAN TOWER★	GND CON
133.35	128.5 273.6	125.8 (CTAF) L	118.2

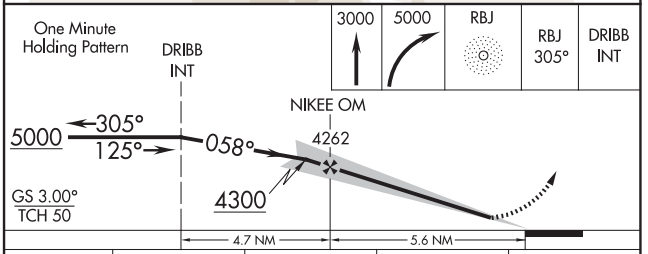


ELEV 2419	TDZE 2402



MIRL Rwy 6L-24R
REIL Rwys 6R and 6L
MIRL Rwys 6R-24L and 15-33 L

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42



CATEGORY	A	B	C	D
S-ILS 6R	2652-1 250 (300-1)			
S-LOC 6R	2900-1 498 (500-1)		2900-1¼ 498 (500-1¼)	2900-1½ 498 (500-1½)
C CIRCLING	2960-1 541 (600-1)		3040-1¾ 621 (700-1¾)	3320-3 901 (1000-3)

32°09′N-111°10′W

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 6R

RYAN FLD (RYN)

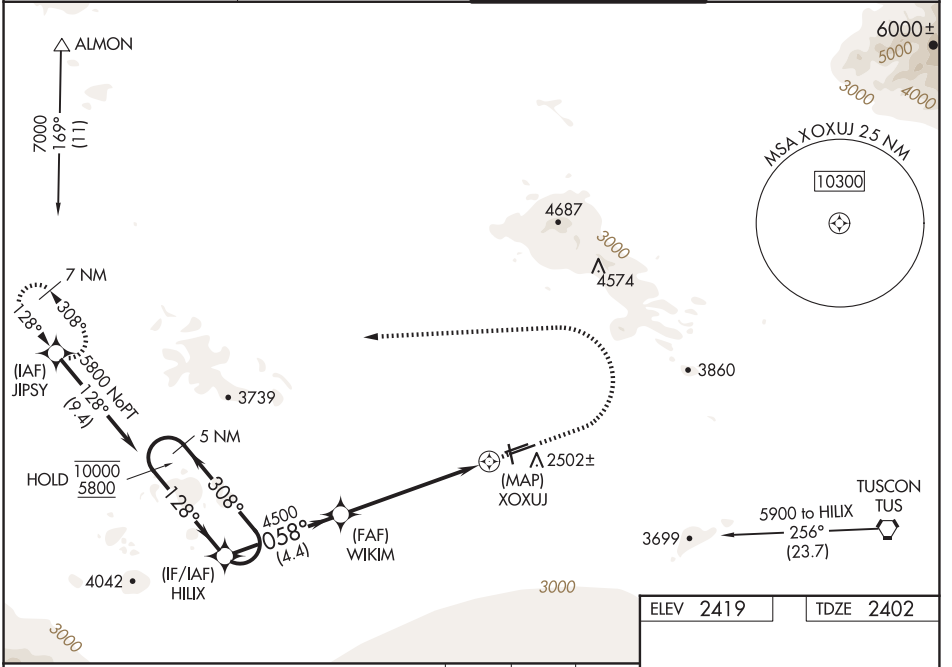
WAAS	APP CRS	Rwy ldg	5500
CH 86244	058°	TDZE	2402
W06A		Apt Elev	2419

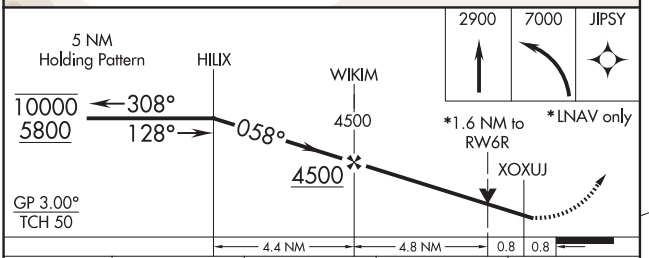
RNP APCH - GPS.

Circling NA for Cat D north of Rwy 24R and east of Rwy 15.
Rwy 6R helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C or above 54°C.

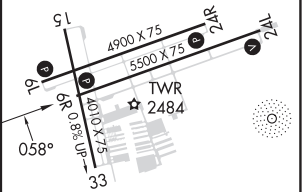
MISSED APPROACH: Max 240K until JIPSY.
Climb to 2900 then climbing left turn to 7000 direct JIPSY and hold.
Continue climb-in-hold to 7000.

ATIS	TUSCON APP CON	RYAN TOWER*	GND CON
133.35	128.5 273.6	125.8 (CTAF) L	118.2





ELEV 2419 TDZE 2402



CATEGORY	A	B	C	D
LPV DA		2675-⅞	273 (300-⅞)	
LNAV/VNAV DA		2756-1	354 (400-1)	
LNAV MDA	2960-1	558 (600-1)	2960-1⅝	558 (600-1⅝)
C CIRCLING	2960-1	541 (600-1)	3040-1¾ 621 (700-1¾)	3320-3 901 (1000-3)

MIRL Rwy 6L-24R
REIL Rwys 6R and 6L
MIRL Rwys 6R-24L and 15-33 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

NDB RYN 338	APP CRS 074°	Rwy Idg 5500 TDZE 2402 Apt Elev 2419

NDB RWY 6R

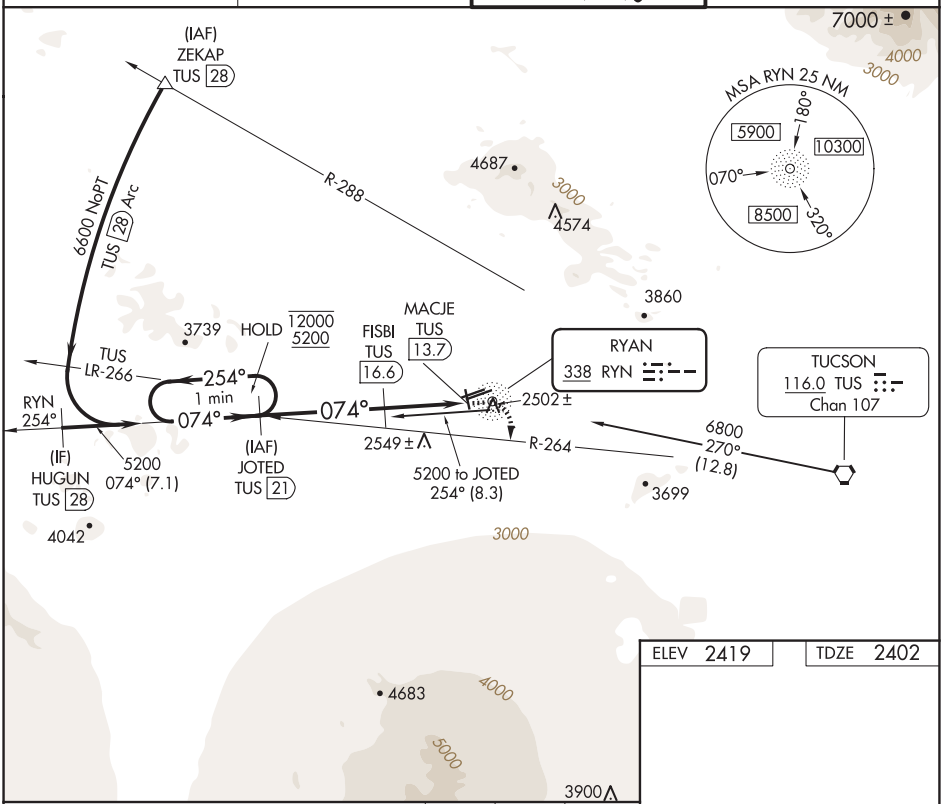
RYAN FLD (RYN)

DME required.

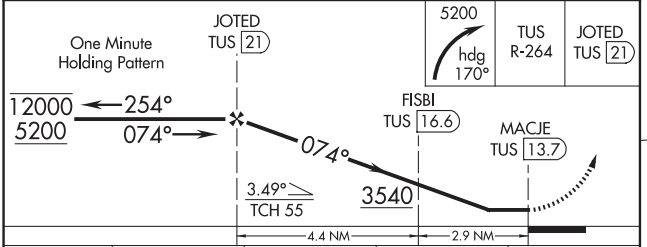
T A NA Circling NA for Cat D north of Rwy 24R and east of Rwy 15. Rwy 6R helicopter visibility reduction below ¾ SM NA. Simultaneous reception of RYN NDB and TUS DME required.

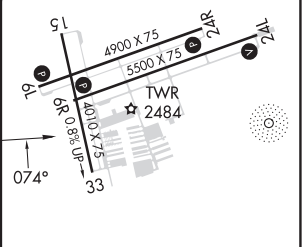
MISSED APPROACH: Climbing right turn to 5200 on heading 170° and TUS VORTAC R-264 to JOTED/TUS 21 DME and hold.

ATIS	TUCSON APP CON	RYAN TOWER ★	GND CON
133.35	128.5 273.6	125.8 (CTAF) L	118.2



ELEV 2419	TDZE 2402





CATEGORY	A	B	C	D
S-6R	2980-1	578 (600-1)	2980-1¾	578 (600-1¾)
C CIRCLING	2980-1	561 (600-1)	3040-1¾ 621 (700-1¾)	3320-3 901 (1000-3)

MIRL Rwy 6L-24R
REIL Rwys 6R and 6L
MIRL Rwys 6R-24L and 15-33 L

SW-4, 07 AUG 2025 to 02 OCT 2025

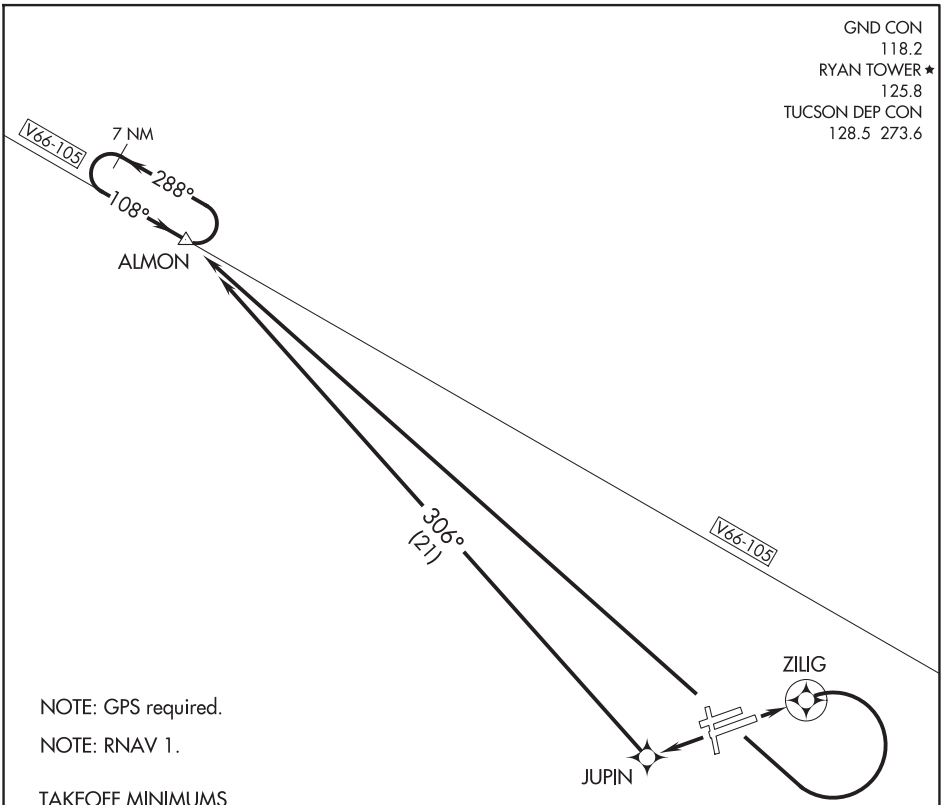
FIELD ELEV 2419
BLAST PAD 152 X 507
ELEV 2403
24L
9B
241.0°
JANUARY 2025
ANNUAL RATE OF CHANGE
0.1° W
VAR 9.3° E
ELEV 2396
24R
5A
241.0°
5500 X 75
4900 X 75
TWR 2484
061.0°
4010 X 75
338.7°
ELEV 2419
33
ELEV 2399
6R
ELEV 2387
15
158.7°
0.8% UP
061.0°
ELEV 2393
19
HS 1
RWY 06L-24R S-12.5, D-30
RWY 06R-24L S-12.5, D-30
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.
ATIS 133.35
RYAN TOWER ★ 125.8
GND CON 118.2
32°08.5'N
32°08.0'N
111°11.0'W
111°10.5'W
111°10.0'W

(ALMON1.ALMON) 21224

ALMON ONE DEPARTURE (OBSTACLE) (RNAV)

AL-6513 (FAA)

RYAN FLD (RYN)
TUCSON, ARIZONA



NOTE: GPS required.

NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 6L, 15, 24R, 33: NA, ATC.
Rwy 6R: Standard with a minimum climb of 309′ per NM to 4400.
Rwy 24L: Standard.

TAKEOFF OBSTACLE NOTES

Rwy 6R: Bushes beginning 331′ from DER, 293′ right of centerline, up to 28′ AGL/2428′ MSL.
Bush 166′ from DER, 366′ left of centerline, 8′ AGL/2408′ MSL.
Rwy 24L: Bush 282′ from DER, 462′ left of centerline, 10′ AGL/2410′ MSL.
Windsock 280′ from DER, 248′ right of centerline, 18′ AGL/2408′ MSL.
Tree 1401′ from DER, 724′ right of centerline, 44′ AGL/2434′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 6R: Climb direct ZILIG then via depicted route to ALMON. Maintain 8000 or assigned altitude.

TAKEOFF RUNWAY 24L: Climb direct JUPIN then via depicted route to ALMON. Maintain 8000 or assigned altitude.

ILS or LOC RWY 12

TUCSON INTL (TUS)

LOC/DME I-TUS	APP CRS	Rwy Idg	10996
111.7	126°	TDZE	2599
Chan 54		Apt Elev	2643

RADAR or DME required. RADAR required for procedure entry at TACUB.

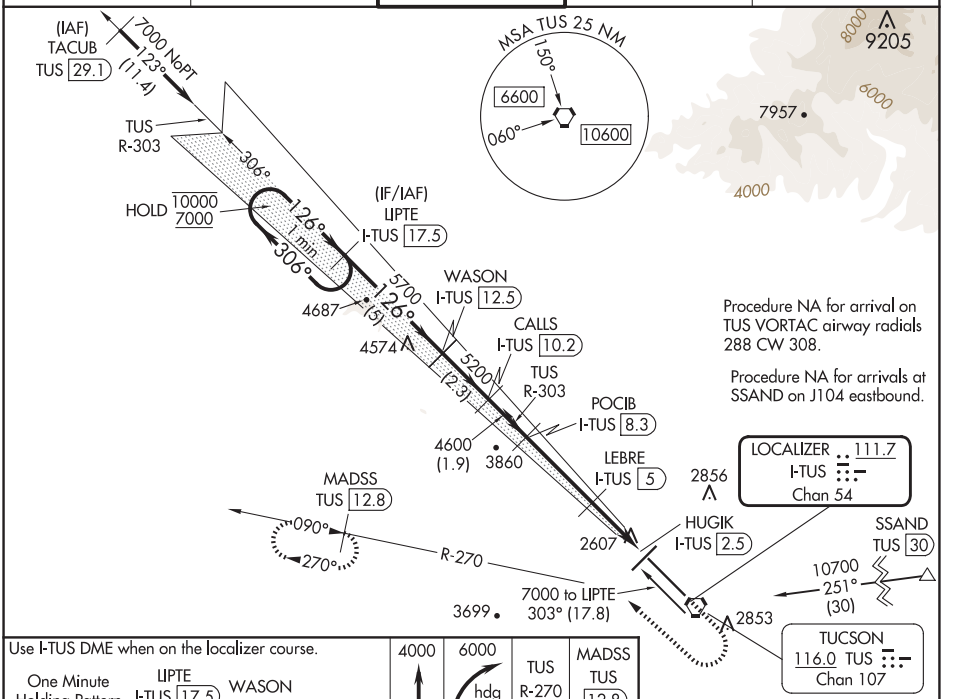
For inop ALS, increase S-ILS 12 Cat E visibility to RVR 4000, S-LOC 12 Cat E visibility to 2½ SM; LEBRE fix minimums: S-LOC 12 Cat C/D/E visibility to RVR 5500.

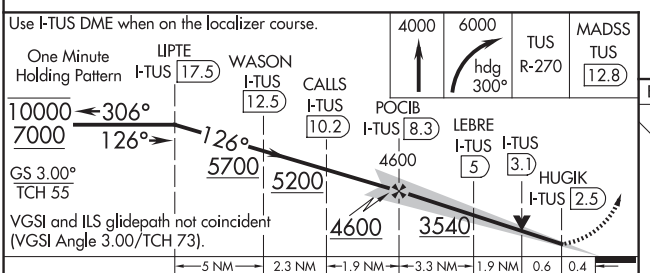
*RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 4000 then climbing right turn to 6000 on heading 300° and on TUS VORTAC R-270 to MADSS/TUS 12.8 DME and hold, continue climb in-hold to 6000.

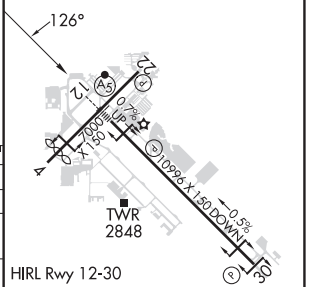
ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2





CATEGORY	A	B	C	D	E
S-ILS 12*	2799/24 200 (200-½)				
S-LOC 12	3540/40 941 (900-¾)		3540-2 941 (900-2)		
CIRCLING	3540-1¼ 897 (900-1¼)		3540-2¾ 897 (900-2¾)	3640-3 997 (1000-3)	3900-3 1257(1300-3)
LEBRE FIX MINIMUMS					
S-LOC 12	2960/24 361 (400-½)		2960/35 361 (400-⅝)		
CIRCLING	3160-1 517 (600-1)	3220-1 577 (600-1)	3220-1½ 577 (600-1½)	3640-3 997 (1000-3)	3900-3 1257(1300-3)

ELEV 2643 D TDZE 2599



HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Y RWY 12

TUCSON INTL (TUS)

APP CRS	Rwy Idg	10996
126°	TDZE	2599
	Apt Elev	2643

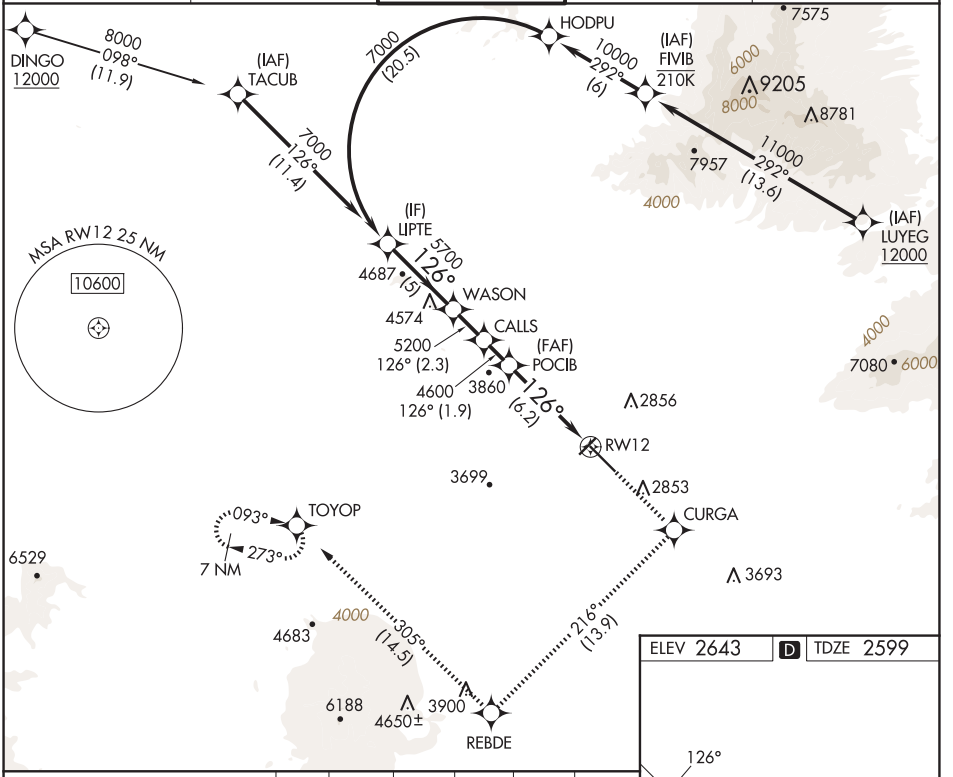
RNP AR APCH - GPS.

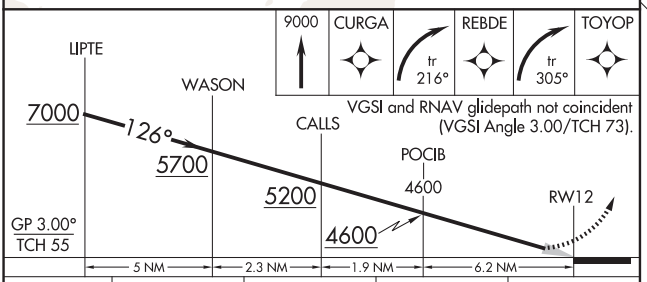
For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C. For inop ALS, increase RNP 0.30 all Cats visibility to RVR 4500.

MALSR

MISSED APPROACH: Climb to 9000 direct CURGA and climbing right turn on track 216° to REBDE and climbing right turn on track 305° to TOYOP and hold, continue climb-in-hold to 9000.

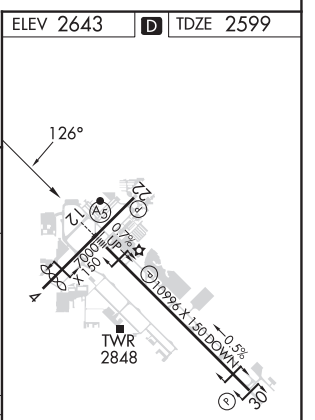
ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2





CATEGORY	A	B	C	D
RNP 0.30 DA	2905/24 306 (300-½)			

AUTHORIZATION REQUIRED



HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (RNP) Y RWY 30

TUCSON INTL (TUS)

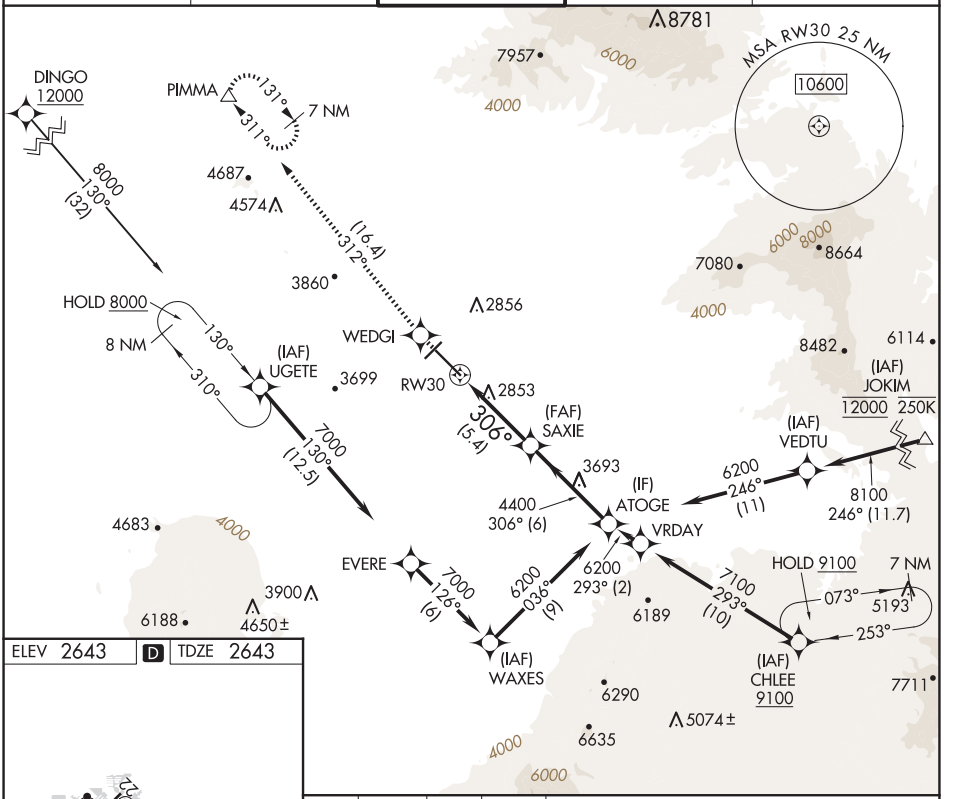
APP CRS	Rwy Idg	10996
306°	TDZE	2643
	Apt Elev	2643

RNP AR APCH - GPS.

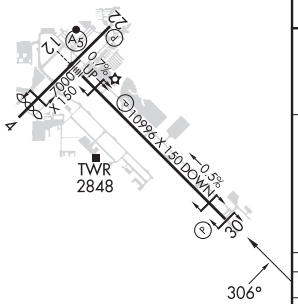
For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C.

MISSED APPROACH: Climb to 6800 direct WEDGI and on track 312° to PIMMA and hold.

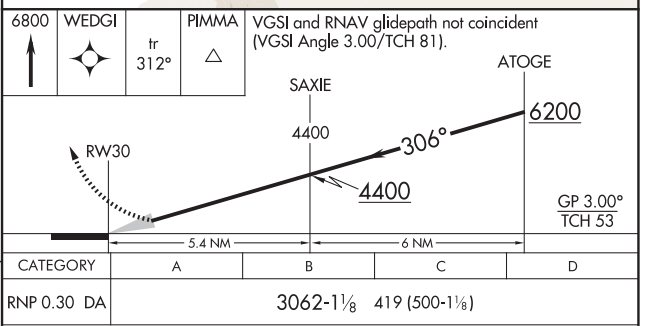
ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2



ELEV 2643	D	TDZE 2643



HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30



CATEGORY	A	B	C	D
RNP 0.30 DA	3062-1⅛ 419 (500-1⅛)			

AUTHORIZATION REQUIRED

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA | AL-430 (FAA) | 25107

RNAV (GPS) RWY 4

TUCSON INTL (TUS)

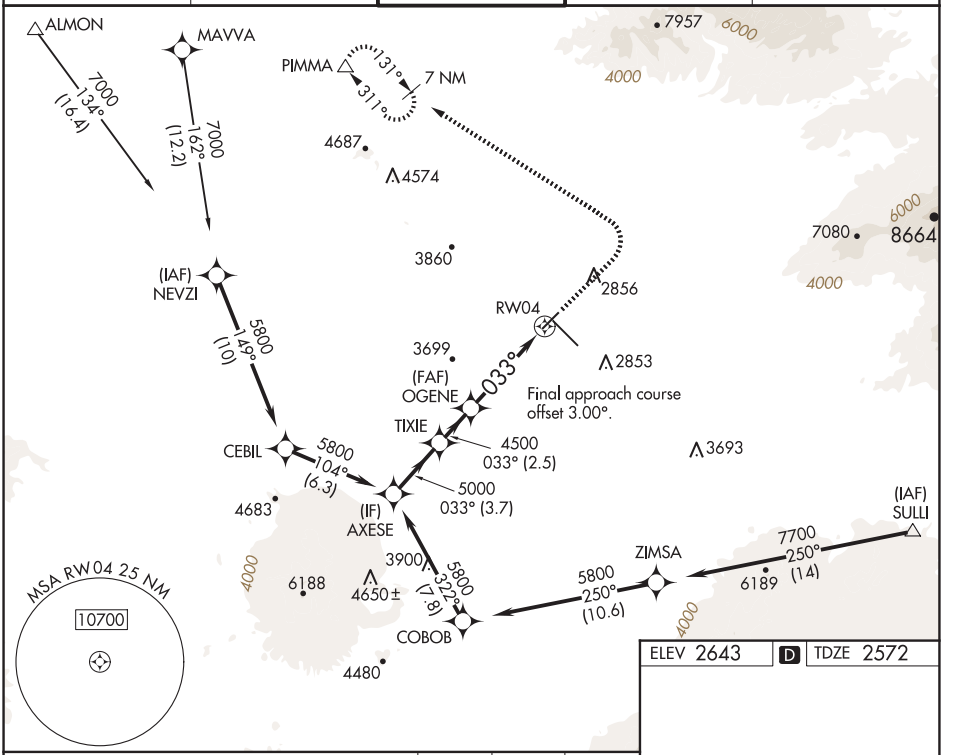
APP CRS		
033°	Rwy Idg	6150
	TDZE	2572
	Apt Elev	2643

RNP APCH - GPS.

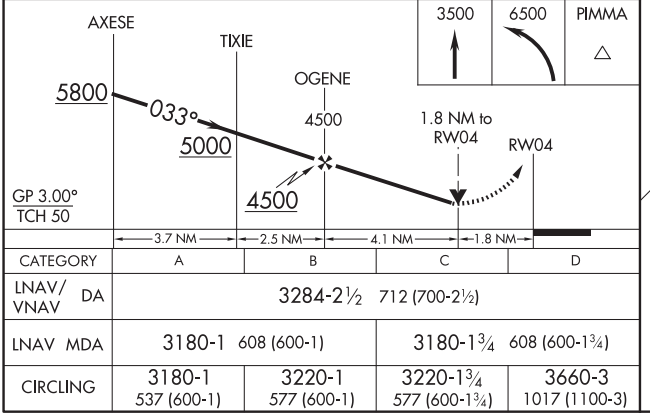
Rwy 4 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C.

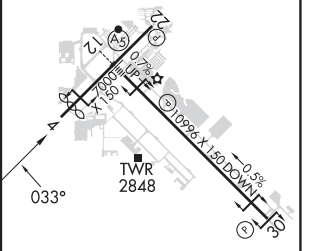
MISSED APPROACH: Climb to 3500 then climbing left turn to 6500 direct PIMMA and hold.

ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2



ELEV 2643 | D | TDZE 2572





CATEGORY	A	B	C	D
LNAV/VNAV DA	3284-2½ 712 (700-2½)			
LNAV MDA	3180-1 608 (600-1)		3180-1¾ 608 (600-1¾)	
CIRCLING	3180-1 537 (600-1)	3220-1 577 (600-1)	3220-1¾ 577 (600-1¾)	3660-3 1017 (1100-3)

HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30

TUCSON, ARIZONA
Amdt 1C 30NOV23

32°07'N-110°56'W

TUCSON INTL (TUS)

RNAV (GPS) RWY 4

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	6000
216°	TDZE	2572
	Apt Elev	2643

RNAV (GPS) RWY 22

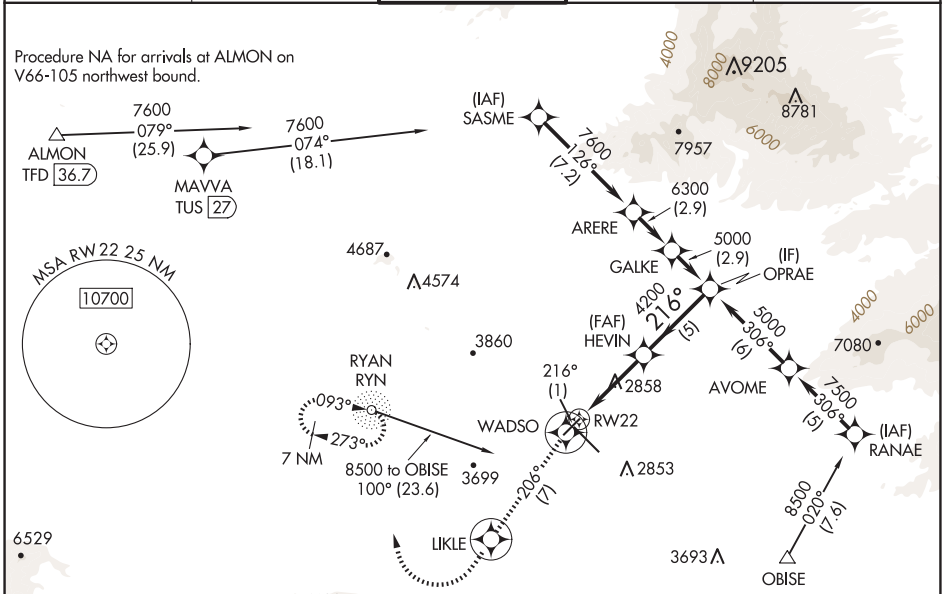
TUCSON INTL (TUS)

RNP APCH - GPS.

Rwy 22 helicopter visibility reduction below ¾ SM NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C.

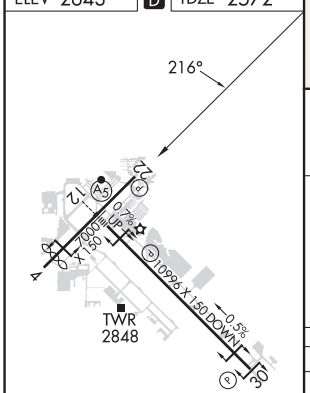
MISSED APPROACH: Climb to 6000 on track 216° to WADSO and 206° track to LIKLE and right turn direct RYN NDB and hold, continue climb-in-hold to 6000.

ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2

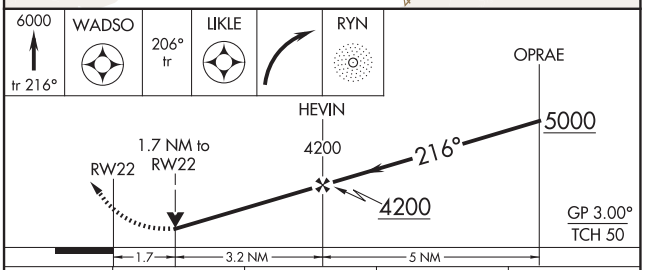


Procedure NA for arrivals at OBISE on V66-T310 northwest bound.

ELEV 2643 D TDZE 2572



HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30



CATEGORY	A	B	C	D
LNAV/VNAV DA	3145-2 573 (600-2)			
LNAV MDA	3160-1 588 (600-1)		3160-1¾ 588 (600-1¾)	
CIRCLING	3160-1 517 (600-1)	3220-1 577 (600-1)	3220-1¾ 577 (600-1¾)	3660-3 1017 (1100-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) Z RWY 12

TUCSON INTL (TUS)

WAAS	APP CRS	Rwy Idg	10996
CH 93545	126°	TDZE	2599
W12A		Apt Elev	2643

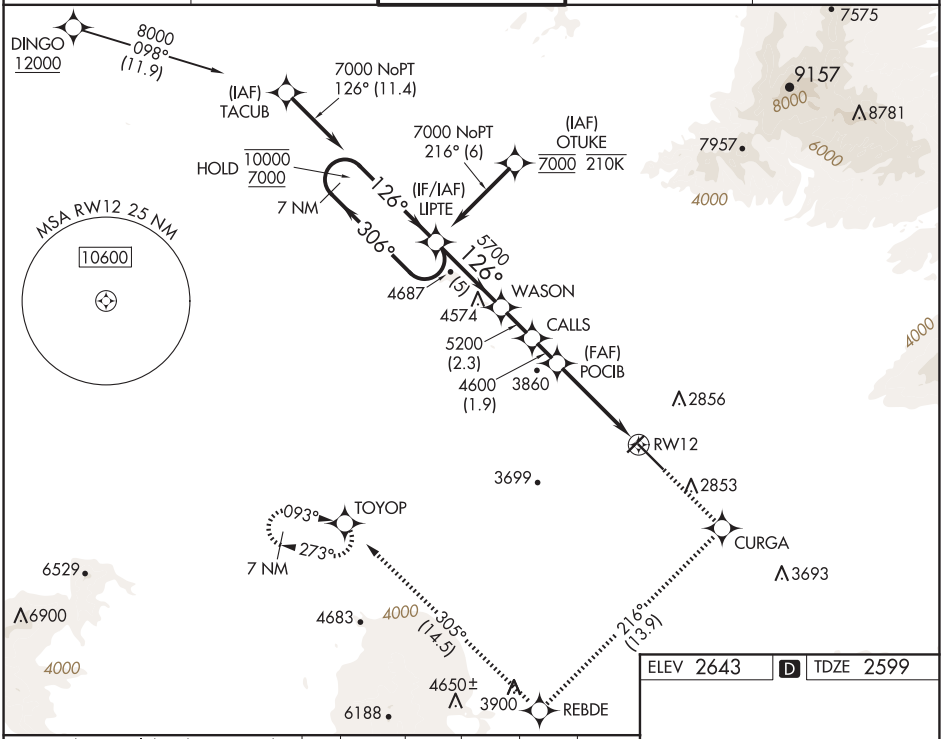
RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4500, and increase LNAV Cats C/D visibility to 2 SM.

MALSR

MISSED APPROACH: Climb to 9000 direct CURGA and climbing right turn on 216° track to REBDE and climbing right turn on 305° track to TOYOP and hold, continue climb-in-hold to 9000.

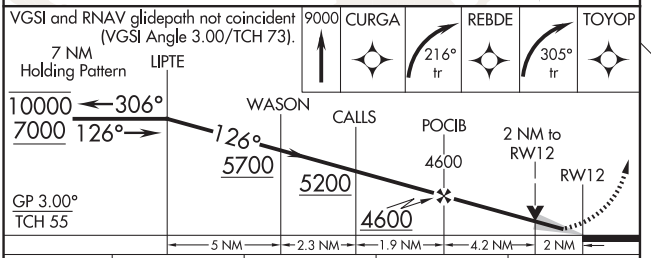
ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2



SW-4, 07 AUG 2025 to 02 OCT 2025

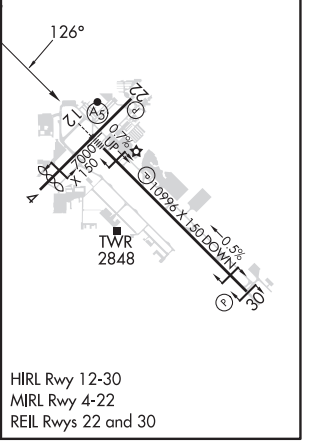
SW-4, 07 AUG 2025 to 02 OCT 2025

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 73).



CATEGORY	A	B	C	D
LPV DA	2799/24 200 (200-½)			
LNAV/VNAV DA	2905/24 306 (300-½)			
LNAV MDA	3300/24 701 (700-½)		3300-1⅝ 701 (700-1⅝)	
CIRCLING	3300-1 657 (700-1)		3300-2 657 (700-2)	3640-3 997 (1000-3)

ELEV 2643 D TDZE 2599



HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30

RNAV (GPS) Z RWY 30

TUCSON INTL (TUS)

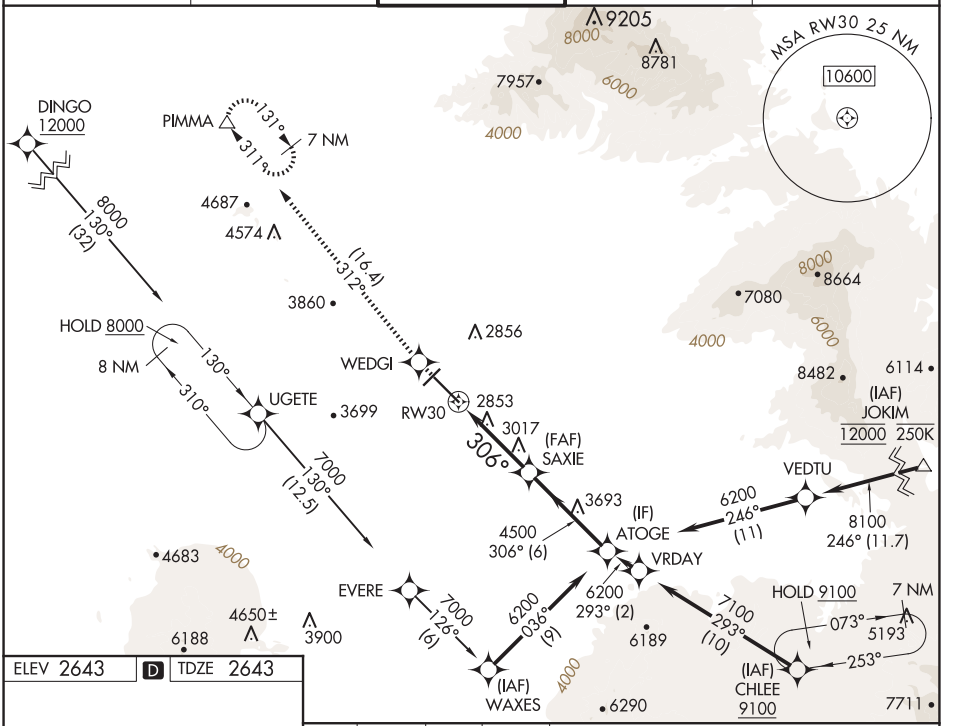
WAAS	APP CRS	Rwy Idg	10996
CH 45746	306°	TDZE	2643
W30A		Apt Elev	2643

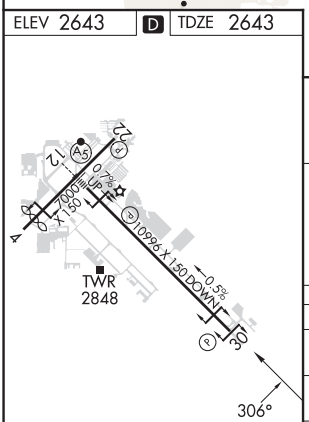
RNP APCH - GPS.

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C.

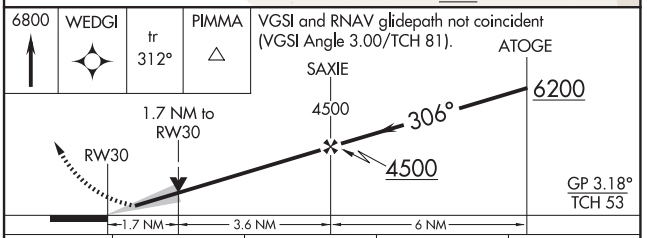
MISSED APPROACH: Climb to 6800 direct WEDGI and on track 312° to PIMMA and hold.

ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2





HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30



CATEGORY	A	B	C	D
LPV DA	2929-⅞ 286 (300-⅞)			
LNAV/VNAV DA	3029-1⅛ 386 (400-1⅛)			
LNAV MDA	3280-1 637 (700-1)		3280-1¾ 637 (700-1¾)	
CIRCLING	3300-1 657 (700-1)		3300-1¾ 657 (700-1¾)	3640-3 997 (1000-3)

SW-4, 07 AUG 2025 to 02 OCT 2025

TUCSON, ARIZONA | AL-430 (FAA) | 25107

VORTAC TUS	APP CRS	Rwy Idg	10996
116.0	123°	TDZE	2599
Chan 107		Apt Elev	2643

VOR or TACAN RWY 12

TUCSON INTL (TUS)

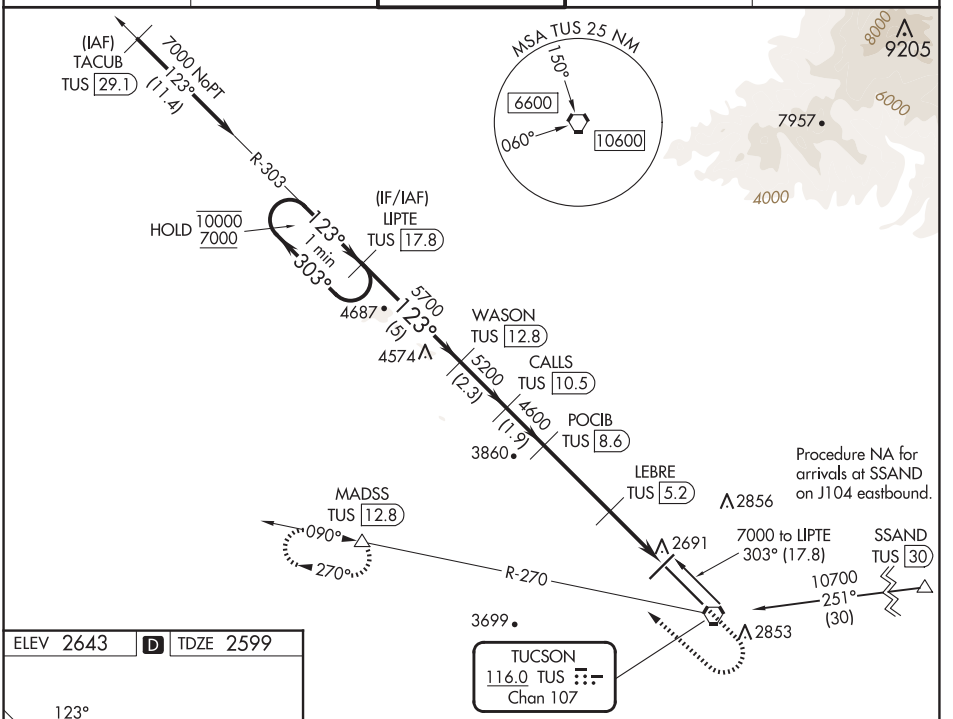
DME required. RADAR required for procedure entry at TACUB.

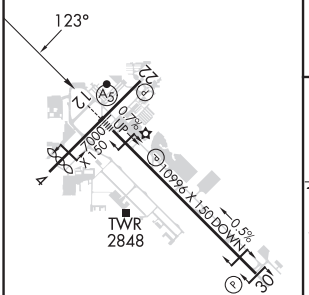
For inop ALS, increase Cat E visibility to 1¼ SM.

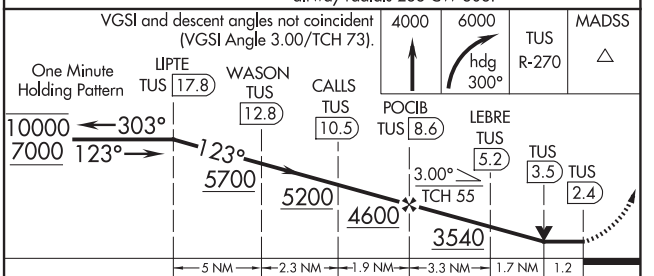
MALSR

MISSED APPROACH: Climb to 4000 then climbing right turn to 6000 on heading 300° and TUS VORTAC R-270 to MADSS/TUS 12.8 DME and hold, continue climb in hold to 6000.

ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2







CATEGORY	A	B	C	D	E
S-12	3020/24 421 (400-½)		3020/40 421 (400-¾)		
CIRCLING	3160-1 517 (600-1)	3180-1 537 (600-1)	3200-1½ 557 (600-1½)	3660-3 1017(1100-3)	3920-3 1277(1300-3)

HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VOR or TACAN RWY 30

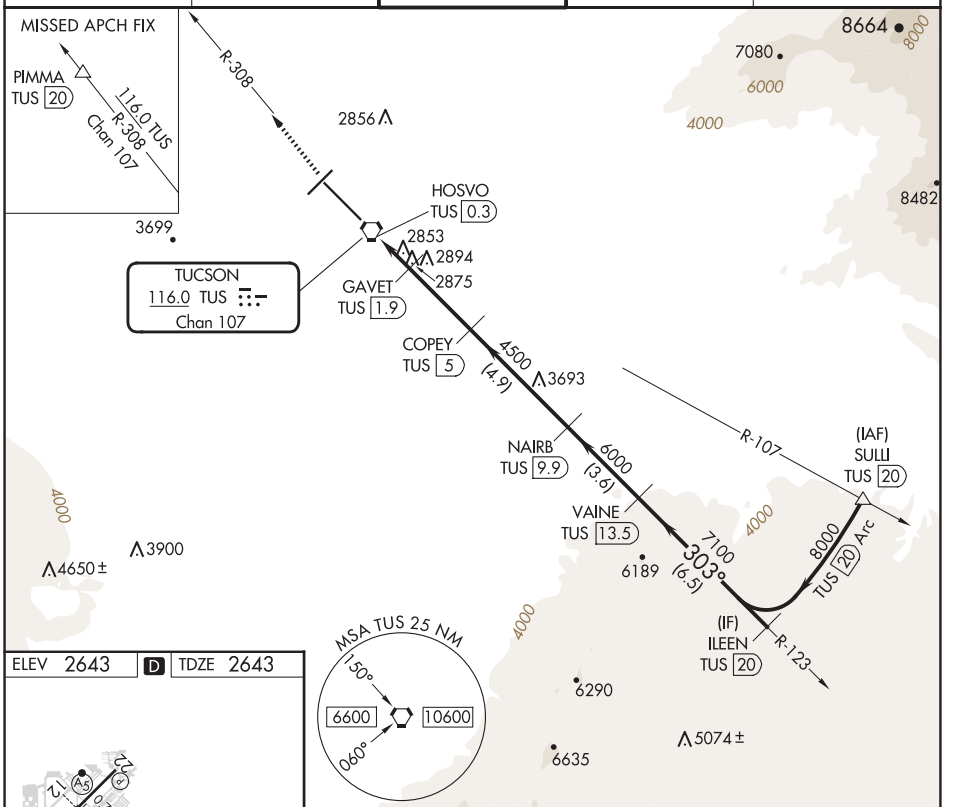
TUCSON INTL (TUS)

VORTAC TUS	APP CRS	Rwy Idg	10996
116.0	303°	TDZE	2643
Chan 107		Apt Elev	2643

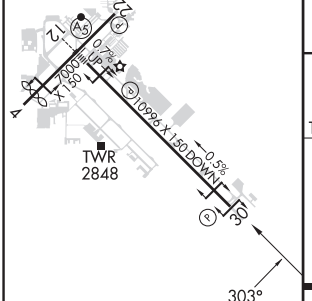
DME required.

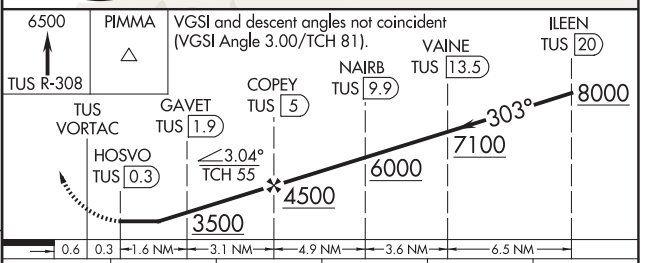
MISSED APPROACH: Climb to 6500 to PIMMA/TUS 20 DME on TUS R-308.

ATIS	TUCSON APP CON	TUCSON TOWER	GND CON	CLNC DEL
123.8 279.65	119.4 318.1	118.3 257.8	120.025 348.6	126.65 326.2



ELEV 2643 D TDZE 2643





CATEGORY	A	B	C	D	E
S-30	3160-1 517 (600-1)		3160-1⅜ 517 (600-1⅜)		
CIRCLING	3160-1 517 (600-1)	3220-1 577 (600-1)	3220-1½ 577 (600-1½)	3660-3 1017(1100-3)	3920-3 1277(1300-3)

HIRL Rwy 12-30
MIRL Rwy 4-22
REIL Rwys 22 and 30

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

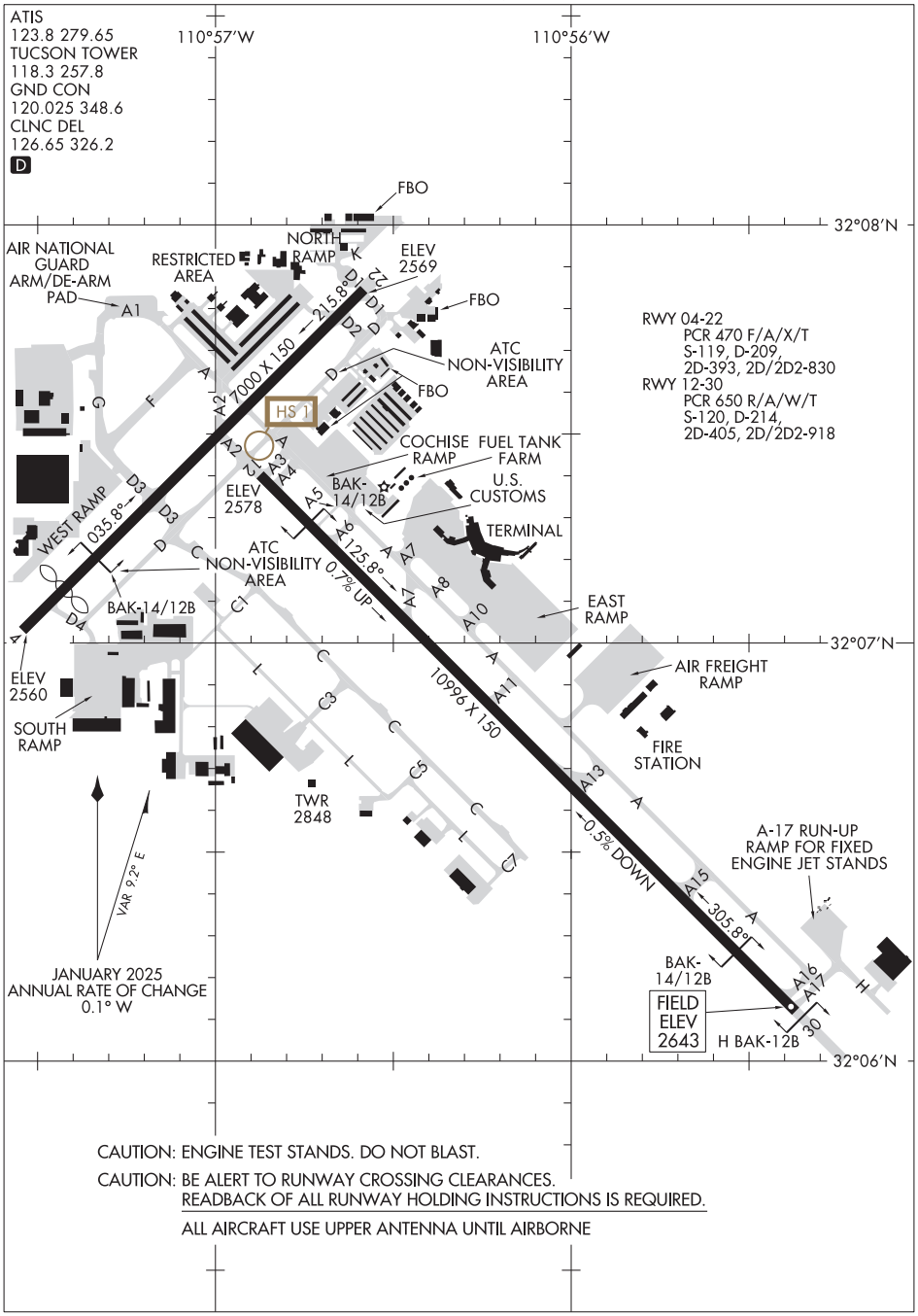
25107

AIRPORT DIAGRAM

AL-430 (FAA)

TUCSON INTL (TUS)

TUCSON, ARIZONA



CAUTION: ENGINE TEST STANDS. DO NOT BLAST.

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

ALL AIRCRAFT USE UPPER ANTENNA UNTIL AIRBORNE

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107
TUCSON, ARIZONA
TUCSON INTL (TUS)

TUCSON DEP CON 125.1 269.55
ATIS 123.8 279.65
CLNC DEL 126.65 326.2
GND CON 120.025 348.6
TUCSON TOWER 118.3 257.8
RNAV 1 - GPS.
TOP ALTITUDE: 17000
N
NOCHI
9900
068°
(38)
MESCA
9500
7800
093°
(13)
VEYLE
7600
7300
128°
(5)
BURRO
6700
3200
126°
HOTT
6900
005°
(28)
RYYNN
8000
6800
335°
(55)
△ BBALL
6100
303°
(18)
ROSKR
9000
6200
295°
(74)
GILA BEND
GBN
6100
297°
(16)
SPLTZ
5500
259°
(4)
MRTNI
5100
308°
(5)
TAKEOFF MINIMUMS
Rwys 4, 22, 30: NA - ATC.
Rwy 12: Standard.
DEPARTURE ROUTE DESCRIPTION
TAKEOFF RUNWAY 12: Climb heading 126° to 3200, then continue climb direct BURRO, cross BURRO at or above 6700, thence. . . .
. . . .on assigned transition, maintain 17000, expect filed altitude 10 minutes after departure.
BBALL TRANSITION (BURRO5.BBALL)
GILA BEND TRANSITION (BURRO5.GBN)
HOTT TRANSITION (BURRO5.HOTT)
NOCHI TRANSITION (BURRO5.NOCHI)
NSA TUS 25 NM
10600
NOTE: Chart not to scale.

(TUS9.TUS) 24081

TUCSON NINE DEPARTURE

AL-430 (FAA)

TUCSON INTL (TUS)
TUCSON, ARIZONA

TUCSON DEP CON 125.1 269.55
ATIS 123.8 279.65
CLNC DEL 126.65 326.2
GND CON 120.025 348.6
TUCSON TOWER 118.3 257.8

TOP ALTITUDE: 17000

DME required.

TAKEOFF MINIMUMS
Rwys 22, 30: Standard.
Rwy 4: 300-2 or standard with minimum climb of 230'/NM to 3000.
Rwy 12: Standard with minimum climb of 400'/NM to 9900.

SAN SIMON 115.4 SSO Chan 101

PHOENIX 115.6 PXR Chan 103

BUCKEYE 110.6 BXK Chan 43

STANFIELD 114.8 TFD Chan 95

GILA BEND 116.6 GBN Chan 113

TUCSON 116.0 TUS Chan 107

BBALL

BAYBI

ROSKR

REDDY

MESCA

J4

J50

V66

R-097
R-127
5300
307°
(37)
R-264
R-093
R-082
R-106
R-109
289°
15000
*5300
(74)
319°
6800
(60)
8600
335°
(41)
R-279
R-273
R-261
R-238
10600
081°
(67)
10900
085°
(9)
10100
038°
(2)
R-018
198°
172°
3000
036°
126°
4000
R-288
280°
15000
*6800
(30)
216°
3000
078°
040°
R-227
7900
107°
(25)
NSA TUS 25 NM
10600

NOTE: Chart not to scale.

N

(CONTINUED ON FOLLOWING PAGE)

TUCSON NINE DEPARTURE
(TUS9.TUS) 30NOV23
TUCSON, ARIZONA
TUCSON INTL (TUS)
SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb on heading 036° to 3000 then climbing right turn on heading 172° and TUS R-018 to TUS VORTAC, thence . . . .
TAKEOFF RUNWAY 12: Climb on heading 126° to 4000 then climbing left turn direct TUS VORTAC, thence . . . .
TAKEOFF RUNWAY 22 : Climb on heading 216° to 3000 then climbing left turn on heading 078° and TUS VORTAC R-227 to TUS VORTAC, thence . . . .
TAKEOFF RUNWAY 30: Climbing right turn direct TUS VORTAC. Thence . . . .

. . . . maintain 17000, expect clearance to filed altitude 10 minutes after departure.

BAYBI TRANSITION (TUS9.BAYBI): From over TUS VORTAC on TUS R-335 to BAYBI.
BBALL TRANSITION (TUS9.BBALL): From over TUS VORTAC on TUS R-319 to BBALL.
GILA BEND TRANSITION (TUS9.GBN): From over TUS VORTAC on TUS R-280 and GBN R-109 to GBN VORTAC.
MESCA TRANSITION (TUS9.MESCA): From over TUS VORTAC on TUS R-107 and SSO R-238 to SSO VORTAC.
PHOENIX TRANSITION (TUS9.PXR): From over TUS VORTAC on TUS R-319 and PXR R-127 to PXR VORTAC.
REDDY TRANSITION (TUS9.REDDY): From over TUS VORTAC on TUS R-038 and SSO R-261 to SSO VORTAC.

SW-4, 07 AUG 2025 to 02 OCT 2025

(WLDKT4.WLDKT) 24081

WLDKT FOUR DEPARTURE (RNAV)

AL-430 (FAA)

TUCSON INTL (TUS)
TUCSON, ARIZONA

SW-4, 07 AUG 2025 to 02 OCT 2025

TOP ALTITUDE: 17000

RNAV 1 - GPS.

TUCSON DEP CON 125.1 269.55
ATIS 123.8 279.65
CLNC DEL 126.65 326.2
GND CON 120.025 348.6
TUCSON TOWER 118.3 257.8

TAKEOFF MINIMUMS
Rwys 4, 12, 22: NA - ATC.
Rwy 30: Standard with minimum climb of 330' per NM to 4900.

GILA BEND GBN
STANFIELD TFD
WILLIE IWA
△ BBALL
△ ROSKR
HOTT
OLLSN 6800
REDDY
SAN SIMON SSO
TUCSON TUS
WLDKT 6700
3200
6200 295° (74)
6800 325° (49)
6800 271° (20)
6900 357° (18)
6400 035° (9)
8400 076° (21)
10600 084° (67)
306°
N
MSA TUS 25 NM
10600

NOTE: Chart not to scale.

▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 30: Climb on heading 306° to 3200, then continue climb direct WLDKT, cross WLDKT at or above 6700, thence. . . .

. . . .on assigned transition, maintain 17000, expect filed altitude 10 minutes after departure.

BBALL TRANSITION (WLDKT4.BBALL)

GILA BEND TRANSITION (WLDKT4.GBN)

HOTT TRANSITION (WLDKT4.HOTT)

SAN SIMON TRANSITION (WLDKT4.SSO)

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) Y RWY 35

VERNAL RGNL (VEL)

APP CRS	Rwy Idg	7000
349°	TDZE	5274
	Apt Elev	5274

RNP APCH.

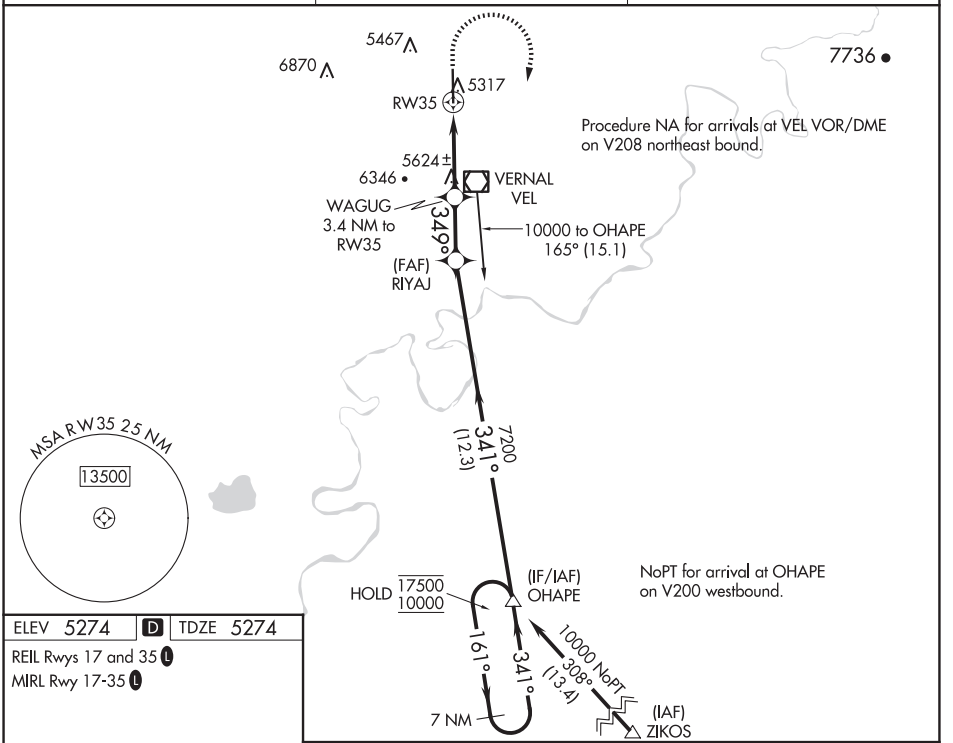
Circling NA west of Rwy 17-35. Rwy 35 helicopter visibility reduction below ¾ NA.

-26°C

MISSED APPROACH: Climb to 7000 then climbing right turn to 10000 direct OHAPE and hold.

*Missed approach requires minimum climb of 300 feet per NM to 7500.

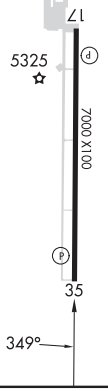
ASOS	SALT LAKE CENTER	UNICOM
118.125	119.95 377.15	122.7 (CTAF) L

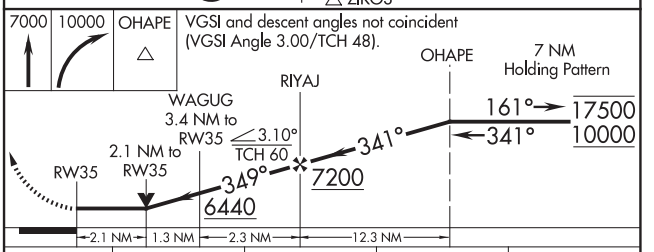


ELEV 5274 | D | TDZE 5274

REIL Rwys 17 and 35 L

MIRL Rwy 17-35 L





CATEGORY	A	B	C	D
LNAV MDA*	5980-1 706 (800-1)		5980-2 706 (800-2)	
LNAV MDA	6380-1¼ 1106 (1200-1¼)	6380-1½ 1106 (1200-1½)	6380-3 1106 (1200-3)	
C CIRCLING	6380-1¼ 1106 (1200-1¼)	6380-1½ 1106 (1200-1½)	6380-3 1106 (1200-3)	6400-3 1126 (1200-3)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VERNAL, UTAH | AL-792 (FAA) | 24249

RNAV (GPS) Z RWY 35

VERNAL RGNL (VEL)

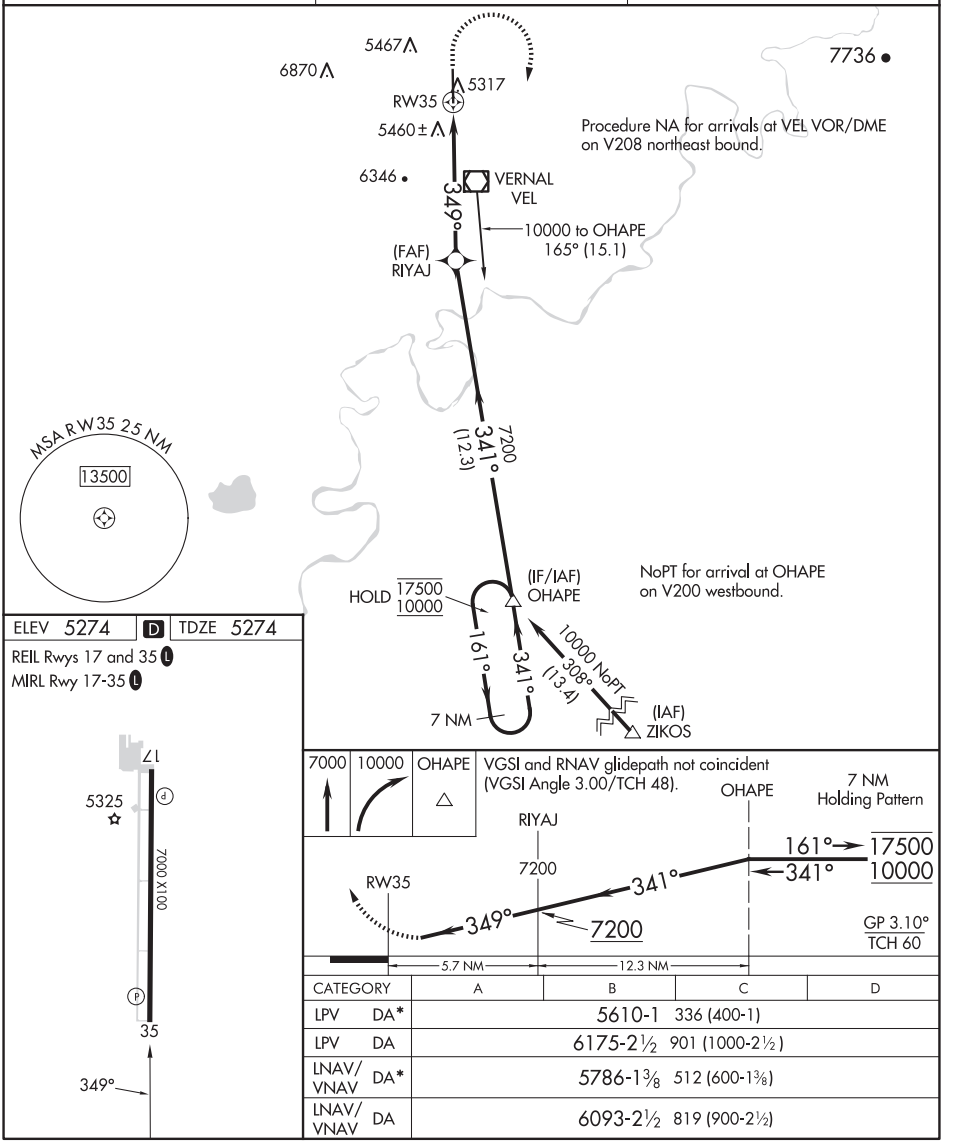
WAAS	APP CRS	Rwy Idg	7000
CH 90241	349°	TDZE	5274
W35A		Apt Elev	5274

RNP APCH.

T A -26°C Rwy 35 helicopter visibility reduction below ¾ SM NA. For uncompensated Baro-VNAV systems, procedure NA below -21°C or above 54°C.

MISSED APPROACH: Climb to 7000 then climbing right turn to 10000 direct OHAPE and hold.
*Missed approach requires minimum climb of 290 feet per NM to 8600.

ASOS	SALT LAKE CENTER	UNICOM
118.125	119.95 377.15	122.7 (CTAF) L



ELEV 5274 D TDZE 5274

REIL Rwys 17 and 35 L

MIRL Rwy 17-35 L

CATEGORY		A	B	C	D
LPV	DA*	5610-1 336 (400-1)			
LPV	DA	6175-2½ 901 (1000-2½)			
LNAV/VNAV	DA*	5786-1⅜ 512 (600-1⅜)			
LNAV/VNAV	DA	6093-2½ 819 (900-2½)			

VERNAL, UTAH
Orig-B 22APR21

40°26′N-109°31′W

VERNAL RGNL (VEL)

RNAV (GPS) Z RWY 35

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

VOR/DME VEL	APP CRS	Rwy Idg	7000
114.15	329°	TDZE	5274
Chan 88 (Y)		Apt Elev	5274

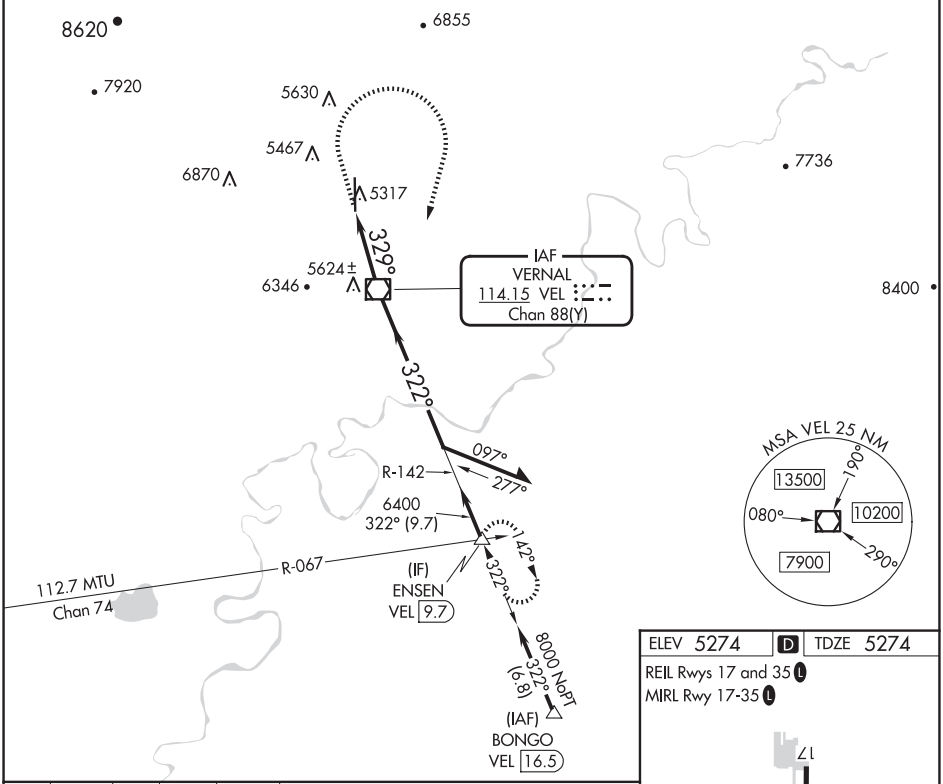
VOR RWY 35
VERNAL RGNL (VEL)

T A -26°C

Circling NA west of Rwy 17-35.
Rwy 35 helicopter visibility reduction below ¾ NA.

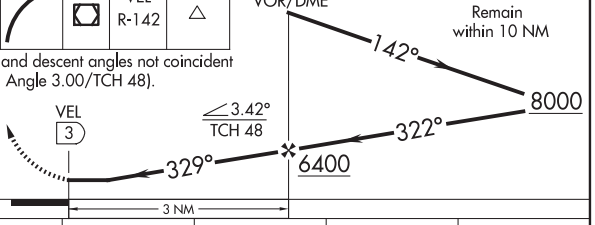
MISSED APPROACH: Climb to 6200 then climbing right turn to 8000 direct VEL VOR/DME and on VEL VOR/DME R-142 to ENSEN INT/9.7 DME and hold.

ASOS	SALT LAKE CENTER	UNICOM
118.125	119.95 377.15	122.7 (CTAF) L



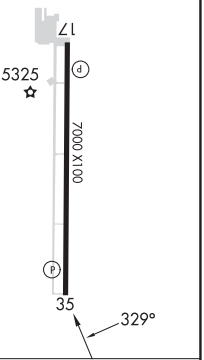
6200	8000	VEL	VEL R-142	ENSEN

VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 48).



CATEGORY	A	B	C	D
S-35	6160-1¼	886 (900-1¼)	6160-2½	886 (900-2½)
C CIRCLING	6160-1¼	886 (900-1¼)	6160-2¾ 886 (900-2¾)	6400-3 1126 (1200-3)

ELEV 5274 D TDZE 5274
REIL Rwys 17 and 35 L
MIRL Rwy 17-35 L



FAF to MAP 3 NM

Knots	60	90	120	150	180
Min:Sec	3:00	2:00	1:30	1:12	1:00

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WENDOVER, UTAH | AL-445 (FAA) | 25219

WAAS	APP CRS	Rwy Ldg	10002
CH 42523	078°	TDZE	4230
W08A		Apt Elev	4237

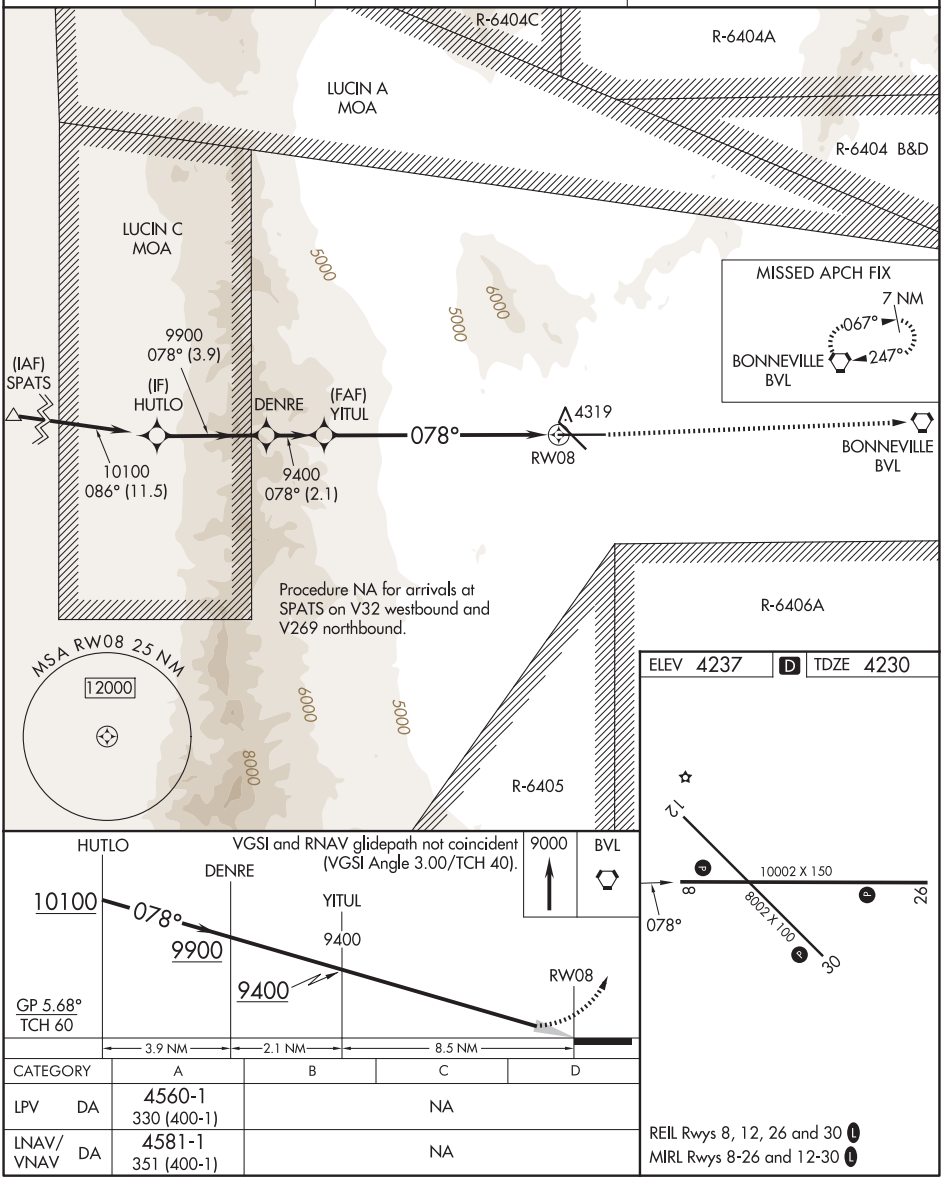
RNAV (GPS) RWY 8
WENDOVER (ENV)

NA
-12°C

Baro-VNAV NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 9000 direct BVL VORTAC and hold, continue climb-in-hold to 9000.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.55	128.55 269.175	122.8 (CTAF) L



CATEGORY	A	B	C	D
LPV DA	4560-1 330 (400-1)	NA		
LNAV/VNAV DA	4581-1 351 (400-1)	NA		

REIL Rwys 8, 12, 26 and 30 L
MIRL Rwys 8-26 and 12-30 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 26

WENDOVER (ENV)

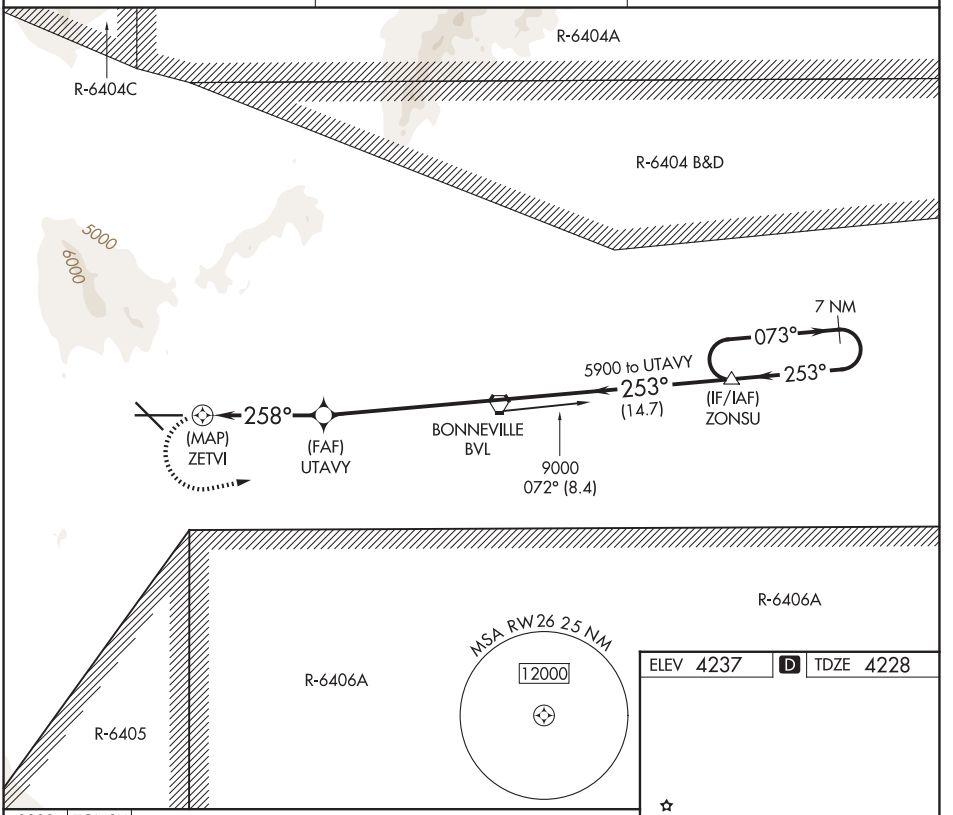
APP CRS	Rwy Ldg	10002
258°	TDZE	4228
	Apt Elev	4237

NA
-12°C

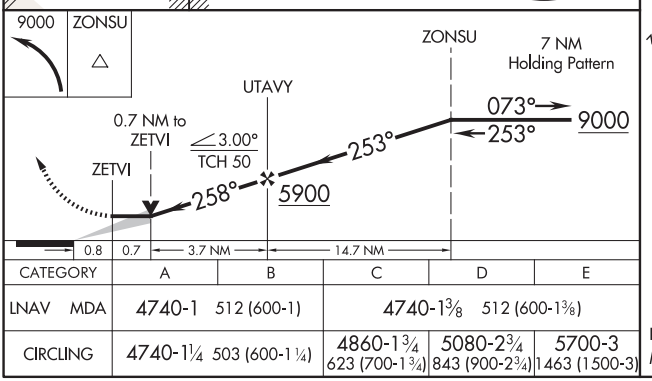
Circling NA north of Rwy 8-26.
DME/DME RNP-0.3 NA.

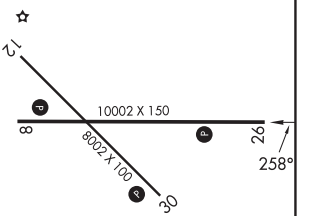
MISSED APPROACH: Climbing left turn to 9000 direct ZONSU and hold, continue climb-in-hold to 9000.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.55	128.55 269.175	122.8 (CTAF) L



ELEV 4237 D TDZE 4228





CATEGORY	A	B	C	D	E
LNAV MDA	4740-1 512 (600-1)		4740-1⅜ 512 (600-1⅜)		
CIRCLING	4740-1¼ 503 (600-1¼)		4860-1¾ 623 (700-1¾)	5080-2¾ 843 (900-2¾)	5700-3 1463 (1500-3)

REIL Rwys 8, 12, 26 and 30 L
MIRL Rwys 8-26 and 12-30 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WENDOVER, UTAH | AL-445 (FAA) | 25219

RNAV (GPS)-A

WENDOVER (ENV)

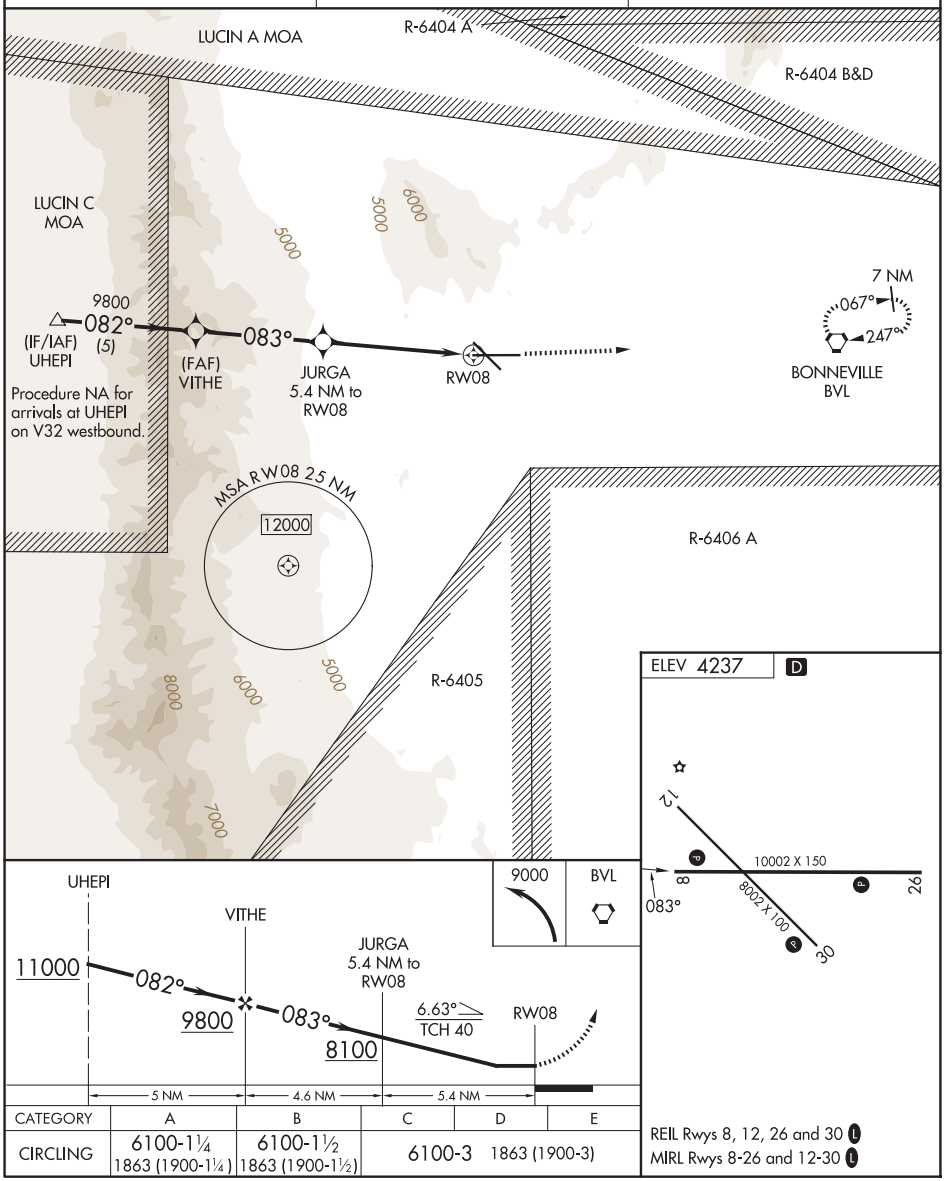
APP CRS	Rwy Ldg	N/A
083°	TDZE	N/A
	Apt Elev	4237

T A -12°C

Circling NA north of Rwy 8-26.
DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climbing left turn to 9000 direct BVL VORTAC and hold, continue climb-in-hold to 9000.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.55	128.55 269.175	122.8 (CTAF) L



CATEGORY	A	B	C	D	E
CIRCLING	6100-1¼ 1863 (1900-1¼)	6100-1½ 1863 (1900-1½)	6100-3	1863 (1900-3)	

REIL Rwys 8, 12, 26 and 30 L
MIRL Rwys 8-26 and 12-30 L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

WENDOVER, UTAH
Amdt 1 13NOV14

40°43'N-114°02'W

WENDOVER (ENV)
RNAV (GPS)-A

APP CRS	Rwy Ldg	N/A
078°	TDZE	N/A
	Apt Elev	4237

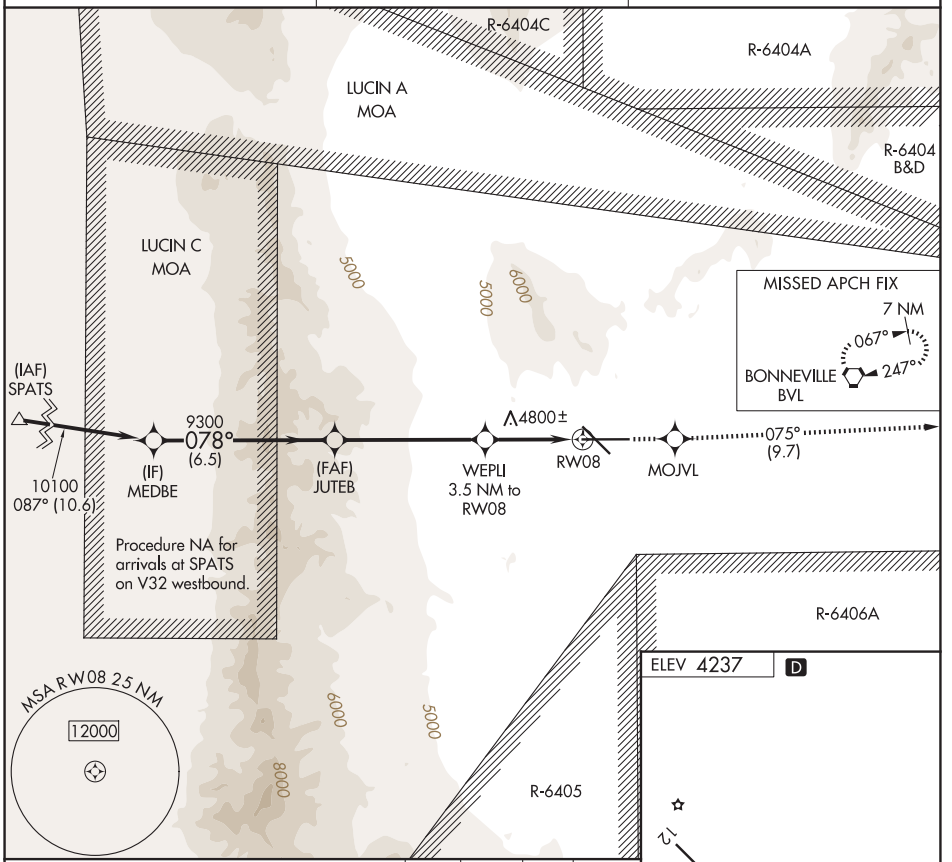
RNAV (GPS)-C
WENDOVER (ENV)

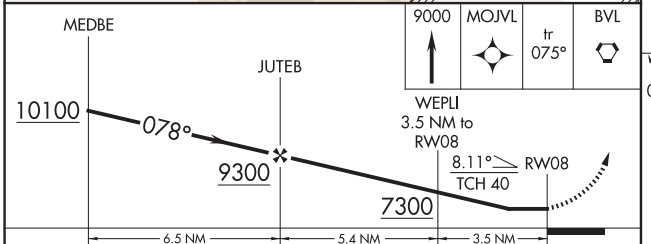
Circling NA north of Rwy 8-26.
DME/DME RNP-0.3 NA.

-12°C

MISSED APPROACH: Climb to 9000 direct MOJVL and on track 075° to BVL VORTAC and hold, continue climb-in-hold to 9000.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.55	128.55 269.175	122.8 (CTAF) L





CATEGORY	A	B	C	D	E
CIRCLING	6020-1¼ 1783 (1800-1¼)	6020-1½ 1783 (1800-1½)	6020-3	1783 (1800-3)	

REIL Rwys 8, 12, 26 and 30 L
MIRL Rwys 8-26 and 12-30 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WENDOVER, UTAH | AL-445 (FAA) | 25219

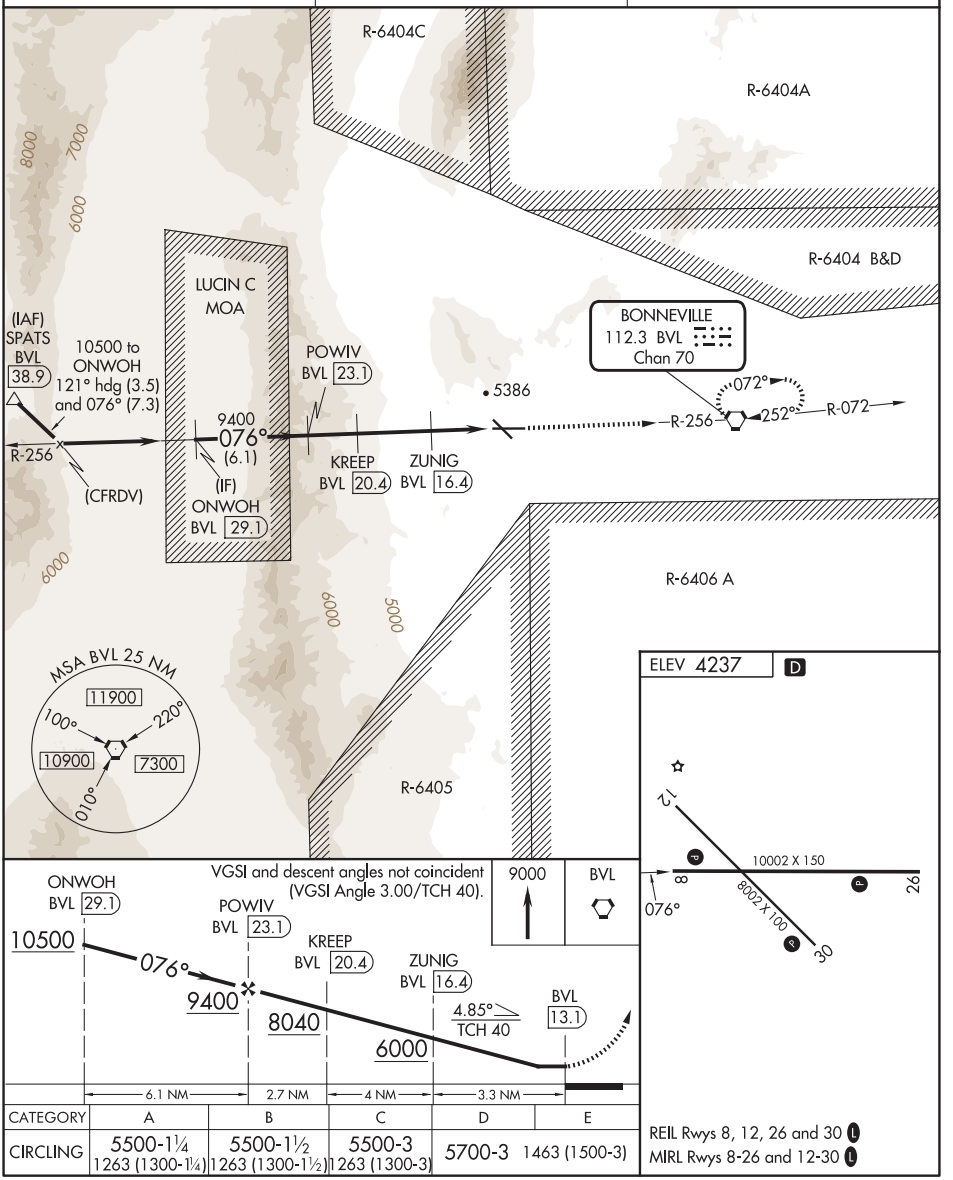
VOR/DME-B
WENDOVER (ENV)

VORTAC BVL	APP CRS	Rwy Ldg	N/A
112.3	076°	TDZE	N/A
Chan 70		Apt Elev	4237

T A -12°C — Circling NA north of Rwy 8-26.

MISSED APPROACH: Climb to 9000 direct BVL VORTAC and hold, continue climb-in-hold to 9000.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.55	128.55 269.175	122.8 (CTAF) L



CATEGORY	A	B	C	D	E
CIRCLING	5500-1¼ 1263 (1300-1¼)	5500-1½ 1263 (1300-1½)	5500-3 1263 (1300-3)	5700-3	1463 (1500-3)

REIL Rwys 8, 12, 26 and 30 L
MIRL Rwys 8-26 and 12-30 L

WENDOVER, UTAH
Amdt 2 31MAR16

40°43'N-114°02'W

WENDOVER (ENV)
VOR/DME-B

SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC BVL	APP CRS	Rwy Ldg 10002
112.3	256°	TDZE 4227
Chan 70		Apt Elev 4237

VOR/DME or TACAN RWY 26

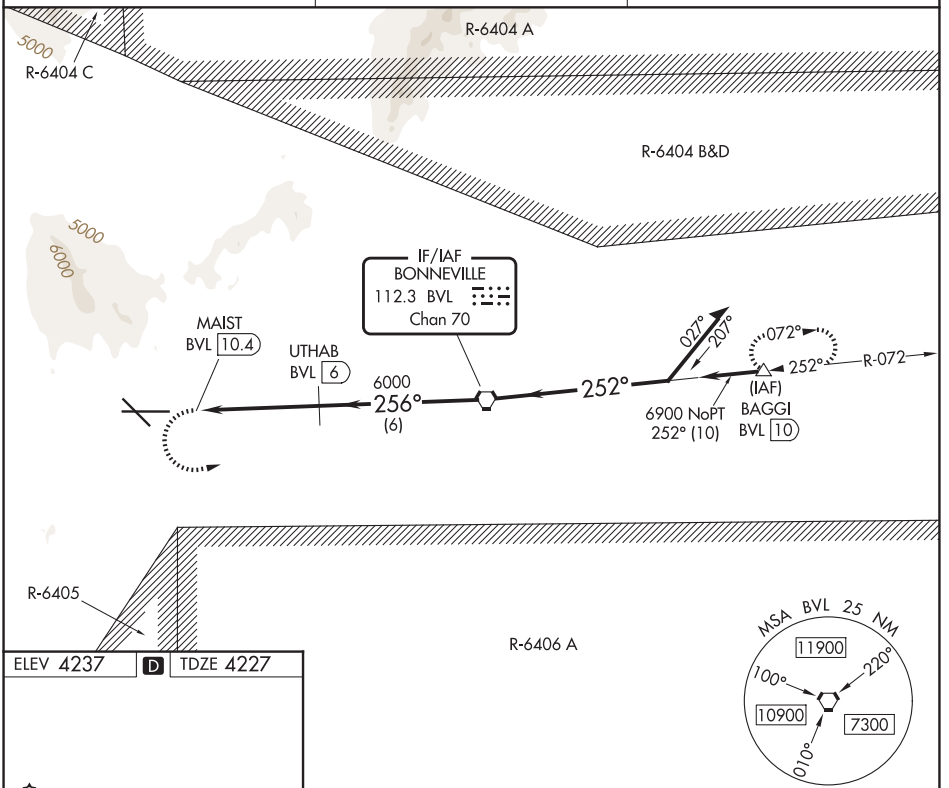
WENDOVER (ENV)

T A -12°C

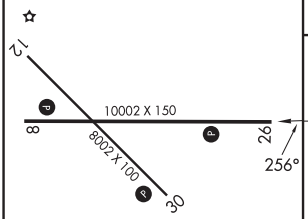
Circling NA north of Rwy 8-26.

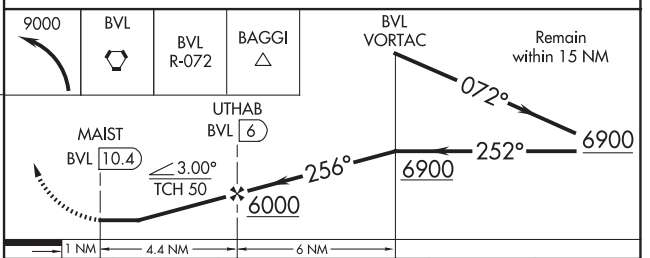
MISSED APPROACH: Climbing left turn to 9000 direct BVL VORTAC and on BVL VORTAC R-072 to BAGGI/10 DME and hold, continue climb-in-hold to 9000.

AWOS-3PT	SALT LAKE CENTER	UNICOM
120.55	128.55 269.175	122.8 (CTAF) L



ELEV 4237 D TDZE 4227





CATEGORY	A	B	C	D	E
S-26	4680-1¼ 453 (500-1¼)		4680-1⅜ 453 (500-1⅜)		
CIRCLING	4680-1¼ 443 (500-1¼)	4700-1¼ 463 (500-1¼)	4860-1¾ 623 (700-1¾)	5080-2¾ 843 (900-2¾)	5700-3 1463 (1500-3)

REIL Rwys 8, 12, 26 and 30 L
MIRL Rwys 8-26 and 12-30 L

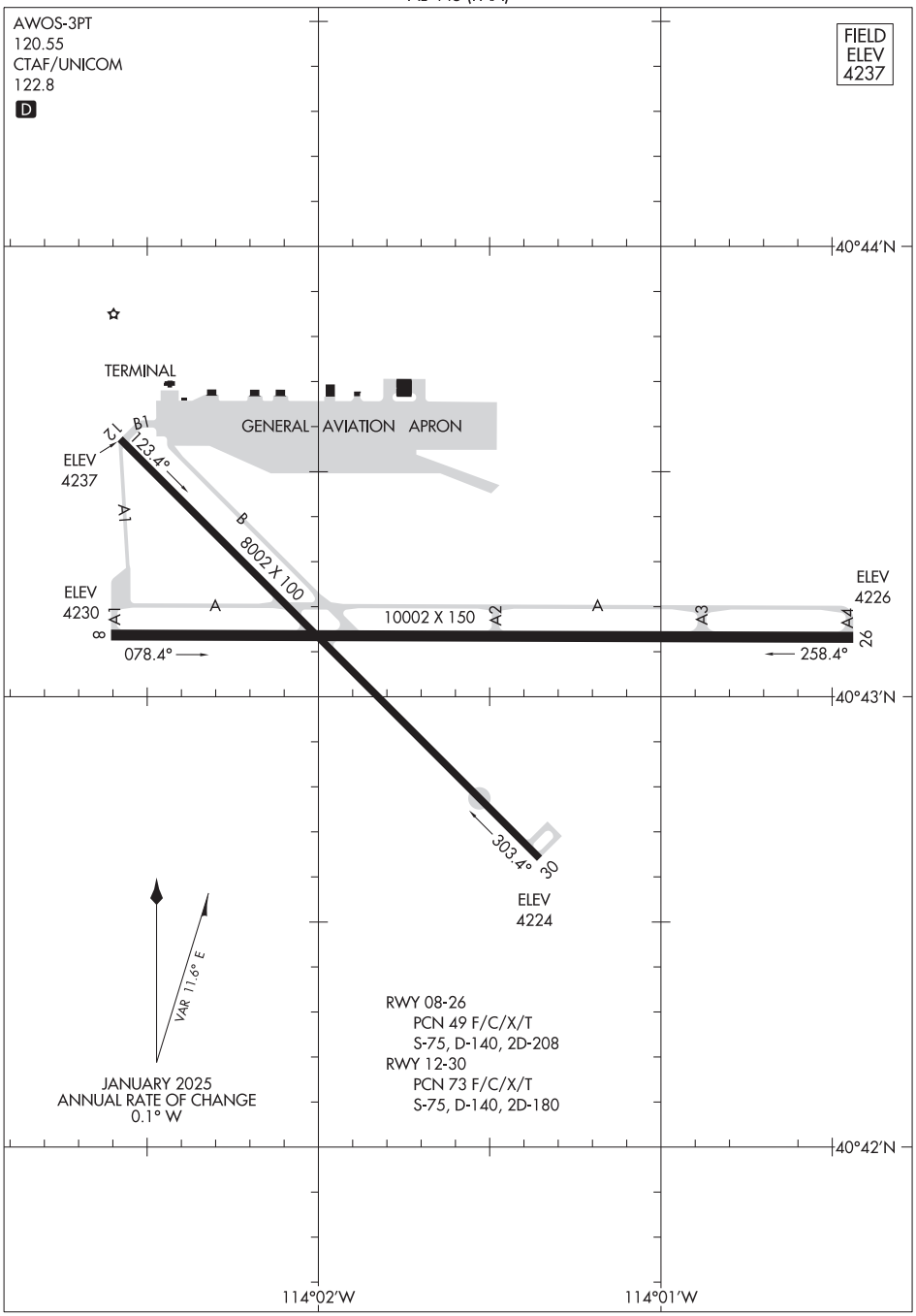
SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

AIRPORT DIAGRAM

WENDOVER (ENV)
WENDOVER, UTAH

AL-445 (FAA)



SW-4, 07 AUG 2025 to 02 OCT 2025

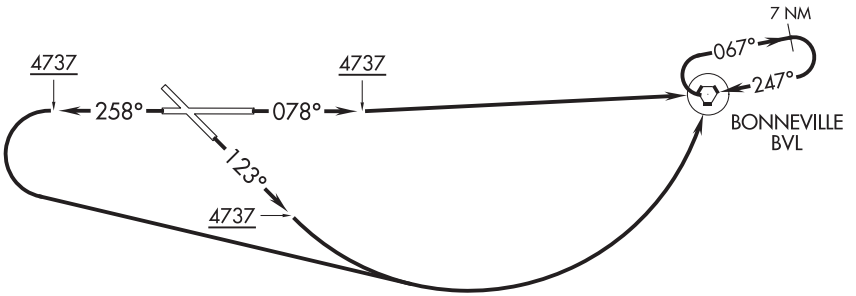
SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM
25107

WENDOVER, UTAH
WENDOVER (ENV)

SALT LAKE CENTER
128.55 269.175
UNICOM
122.8 (CTAF)
AWOS-3PT
120.55

TOP ALTITUDE: 9000



NOTE: GPS required.
NOTE: RNAV 1.

TAKEOFF MINIMUMS
Rwys 8, 12: Standard with minimum climb of 500' per NM to 4737.
Rwy 26: Standard with minimum climb of 500' per NM to 4737, then minimum climb of 280' per NM to 6000'.
Rwy 30: NA.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb heading 078° to 4737, then climb to 9000 direct BVL VORTAC and hold, thence . . .

TAKEOFF RUNWAY 12: Climb heading 123° to 4737, then climbing left turn to 9000 direct BVL VORTAC and hold, thence . . .

TAKEOFF RUNWAY 26: Climb heading 258° to 4737, then climbing left turn to 9000 direct BVL VORTAC and hold, thence . . .

. . . continue climb in holding pattern (hold NE, RT, 247° inbound) to 9000 before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WILLCOX, ARIZONA | AL-85 (FAA) | 25163

RNAV (GPS) RWY 3

COCHISE COUNTY (P33)

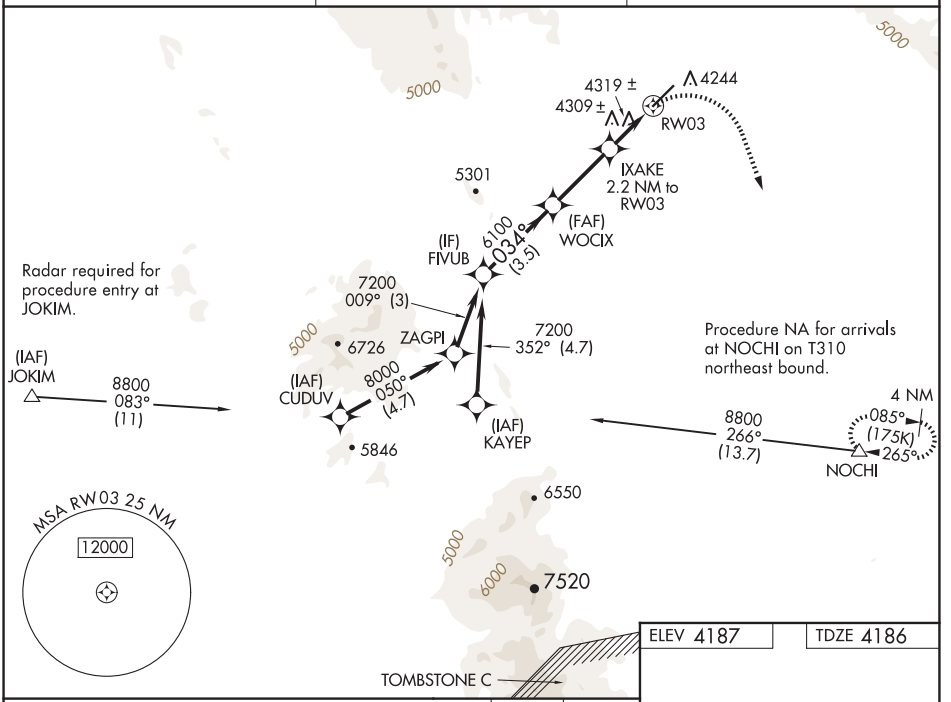
APP CRS	Rwy Ldg	6095
034°	TDZE	4186
	Apt Elev	4187

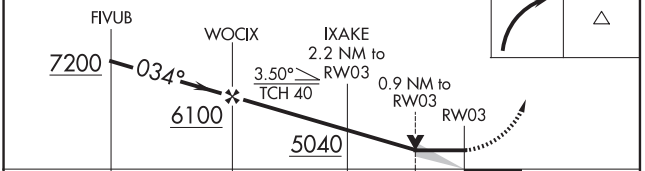
RNP APCH - GPS.

When local altimeter setting not received, use Douglas Bisbee altimeter setting. VDP NA with Douglas Bisbee altimeter setting.

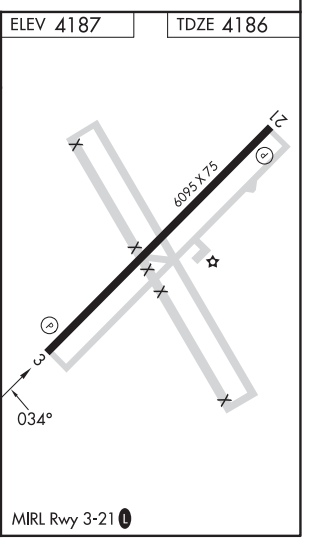
MISSED APPROACH: Climbing right turn to 8800 direct NOCHI and hold, continue climb-in-hold to 8800.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.025	134.45 327.15	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	4560-1	374 (400-1)	NA	
CIRCLING	4600-1 413 (500-1)	4660-1 473 (500-1)	NA	
DOUGLAS BISBEE ALTIMETER SETTING MINIMUMS				
LNAV MDA	4680-1	494 (500-1)	NA	
CIRCLING	4720-1 533 (600-1)	4780-1 593 (600-1)	NA	



WILLCOX, ARIZONA
Amdt 1D 02NOV23

32°15'N-109°54'W

COCHISE COUNTY (P33)

RNAV (GPS) RWY 3

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 21

COCHISE COUNTY (P33)

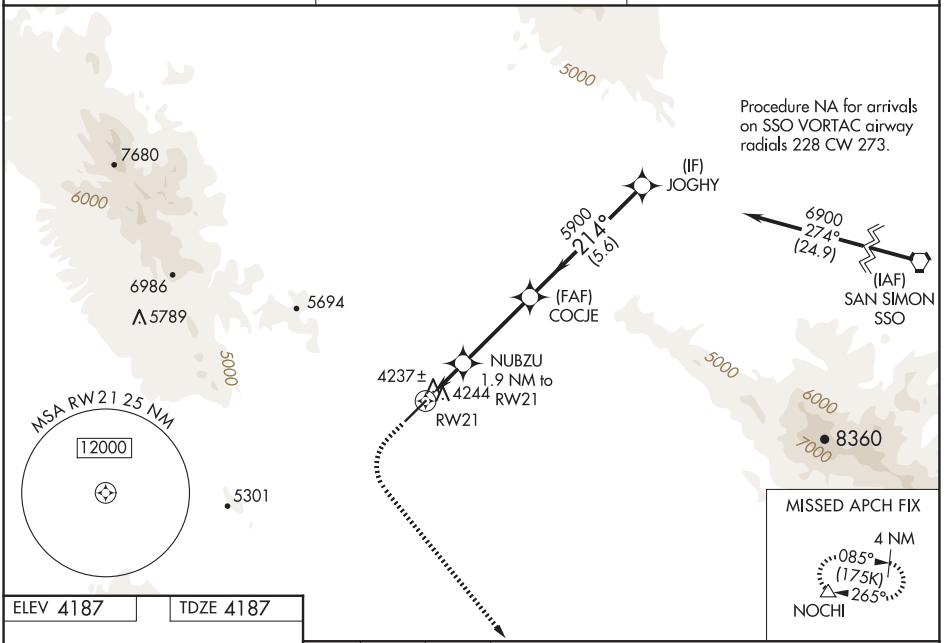
WAAS CH 77618 W21A	APP CRS 214°	Rwy Ldg 6095 TDZE 4187 Apt Elev 4187

RNP APCH - GPS.

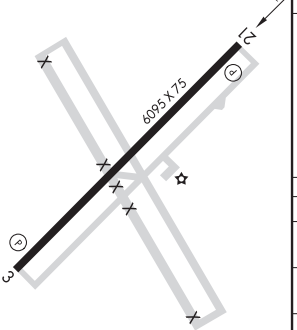
Baro-VNAV NA when using Douglas Bisbee altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -23°C or above 54°C. When local altimeter setting not received, use Douglas Bisbee altimeter setting and increase LPV DA to 4555 feet and all visibilities ¼ SM; increase LNAV/VNAV DA to 4555 feet and all visibilities ¼ SM; increase all MDAs 120 feet.

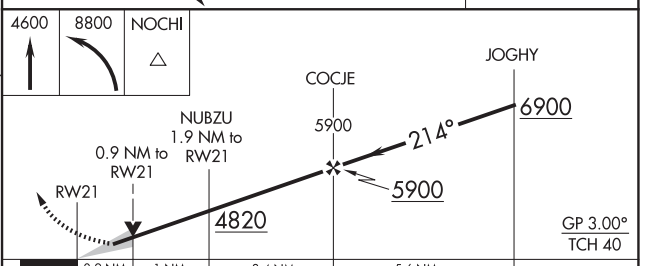
MISSED APPROACH: Climb to 4600 then climbing left turn to 8800 direct NOCHI and hold, continue climb-in-hold 8800.

AWOS-3PT	ALBUQUERQUE CENTER	UNICOM
119.025	134.45 327.15	122.8 (CTAF) L



ELEV 4187 TDZE 4187





CATEGORY	A	B	C	D
LPV DA	4437-⅞ 250 (300-⅞)		NA	
LNAV/VNAV DA	4437-⅞ 250 (300-⅞)		NA	
LNAV MDA	4520-1 333 (400-1)		NA	
CIRCLING	4600-1 413 (500-1)	4660-1 473 (500-1)	NA	

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

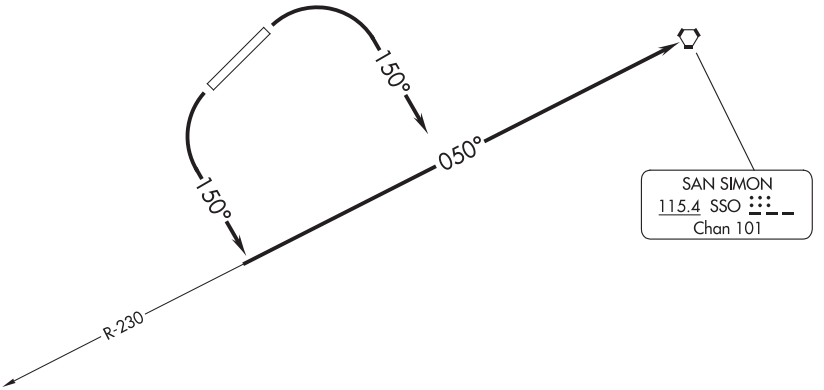
(CIE1.CIE) 23334

COCHISE ONE DEPARTURE (OBSTACLE)

AL-85 (FAA)

COCHISE COUNTY (P33)
WILLCOX, ARIZONA

ALBUQUERQUE CENTER
134.45 327.15



TAKEOFF MINIMUMS

Rwys 3, 21: Standard.

TAKEOFF OBSTACLE NOTES

Rwy 3: Trees beginning 150′ from DER, left and right of centerline, up to 31′ AGL/4216′ MSL.
Rwy 21: Terrain beginning 64′ from DER, left and right of centerline, up to 4190′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climbing right turn heading 150° to intercept SSO VORTAC R-230 to SSO VORTAC before proceeding on course.

TAKEOFF RUNWAY 21: Climbing left turn heading 150° to intercept SSO VORTAC R-230 to SSO VORTAC before proceeding on course.

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 18

H A CLARK MEML FLD (CMR)

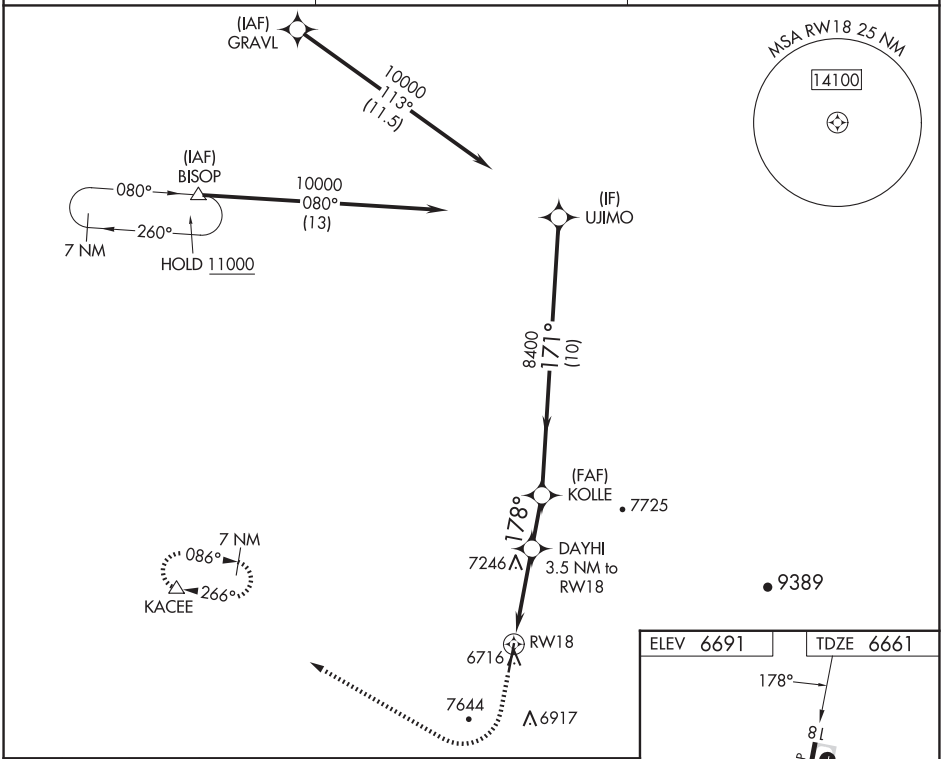
WAAS	APP CRS	Rwy Idg	6003
CH 63043	178°	TDZE	6661
W18A		Apt Elev	6691

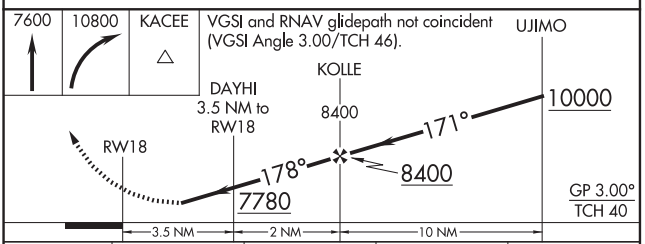
RNP APCH - GPS.

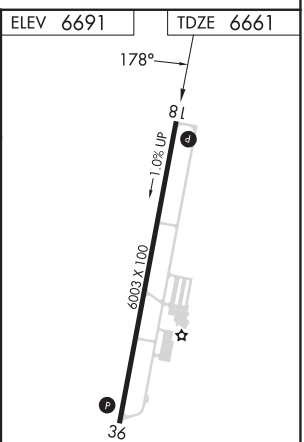
Procedure NA at night. Rwy 18 helicopter visibility reduction below 1 SM NA. Circling NA east of Rwy 18-36.

MISSED APPROACH: Climb to 7600, then climbing right turn to 10800 direct KACEE and hold, continue climb-in-hold to 10800.

AWOS-3	ALBUQUERQUE CENTER	UNICOM
121.125	128.45 298.9	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	7281-1¾ 620 (600-1¾)			
LNAV MDA	7520-1 859 (900-1)	7520-1¼ 859 (900-1¼)	7520-2½ 859 (900-2½)	
CIRCLING	7520-1¼ 829 (900-1¼)	7540-1¼ 849 (900-1¼)	8020-3 1329 (1400-3)	

MIRL Rwy 18-36 L

REIL Rwys 18 and 36 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WINDOW ROCK, ARIZONA | AL-6357 (FAA) | 22027

WAAS	APP CRS	Rwy Idg	7000
CH 56424	025°	TDZE	6719
W03A		Apt Elev	6742

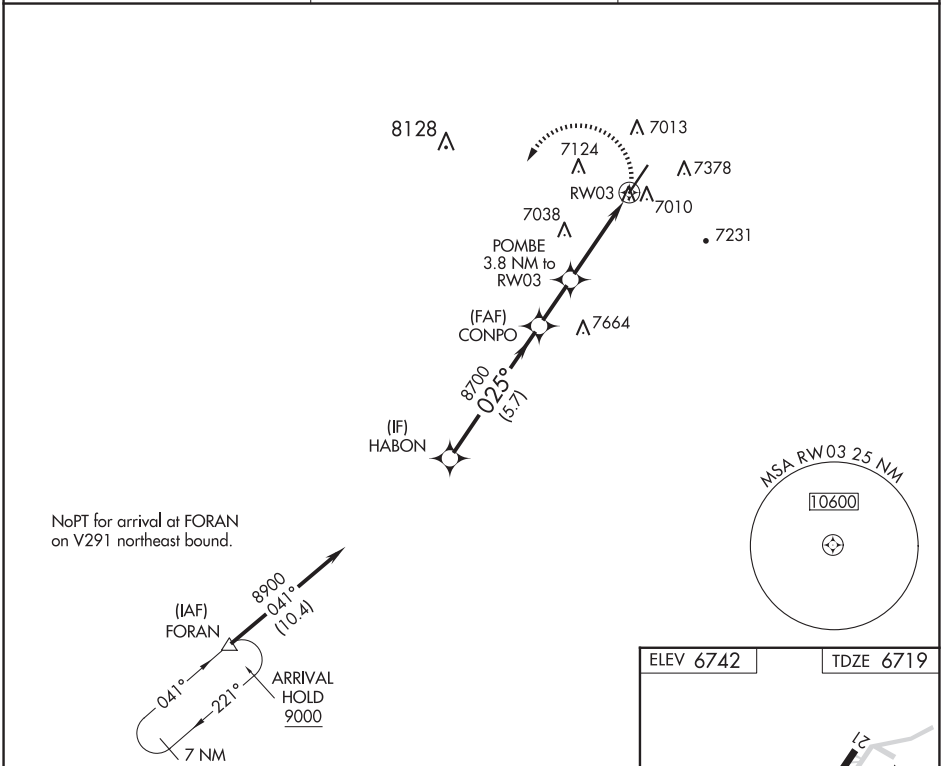
RNAV (GPS) RWY 3
WINDOW ROCK (RQE)

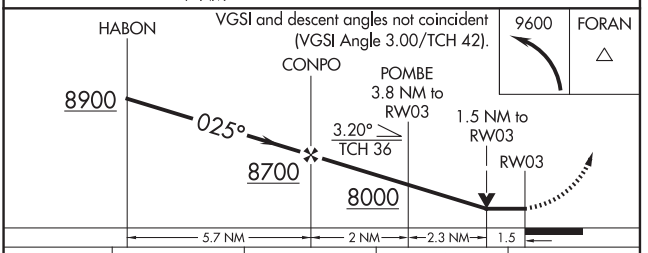
RNP APCH-GPS.

Circling Rwy 21 NA at night.
Rwy 3 helicopter visibility reduction below ¾ SM NA.

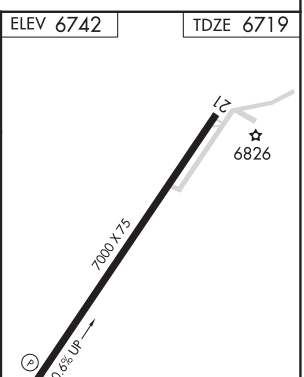
MISSED APPROACH: Climbing left turn to 9600 direct FORAN and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
118.325	124.325 288.25	122.8 (CTAF) L





CATEGORY	A	B	C	D
LP MDA	7240-1	521 (600-1)	7240-1½ 521 (600-1½)	NA
LNAV MDA	7360-1	641 (700-1)	7360-1⅞ 641 (700-1⅞)	NA
C CIRCLING	7740-1¼ 998 (1000-1¼)	7740-1½ 998 (1000-1½)	7780-3 1038 (1100-3)	NA



WINDOW ROCK, ARIZONA
Amdt 2A 27JAN22

35°39'N-109°04'W

WINDOW ROCK (RQE)
RNAV (GPS) RWY 3

SW-4, 07 AUG 2025 to 02 OCT 2025

APP CRS	Rwy Idg	N/A
175°	TDZE	N/A
	Apt Elev	6742

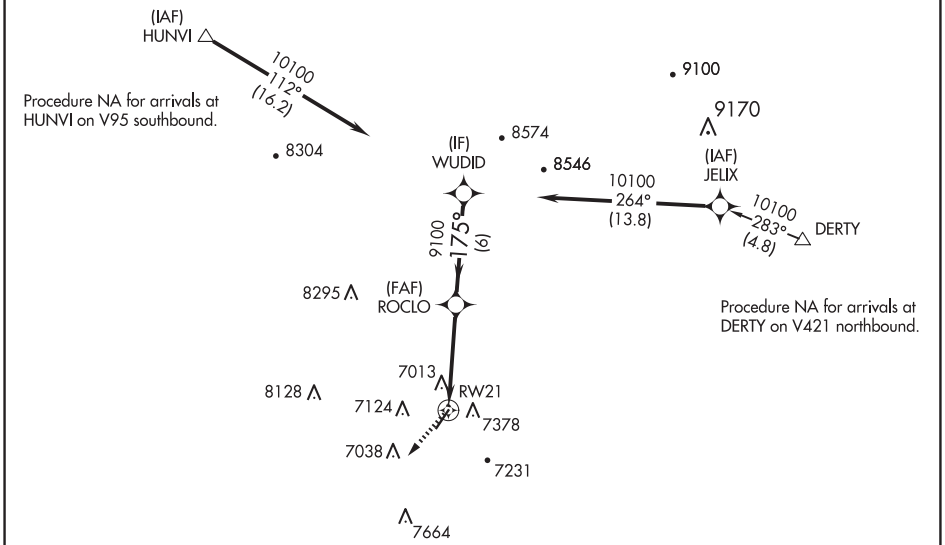
RNAV (GPS)-B
WINDOW ROCK (RQE)

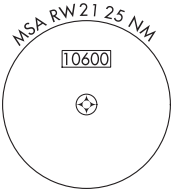
RNP APCH.

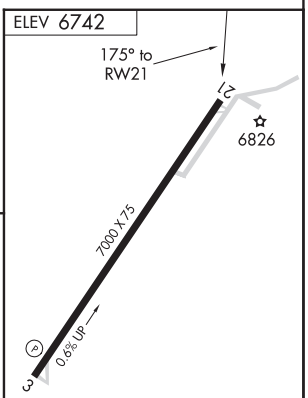
Circling Rwy 21 NA at night.

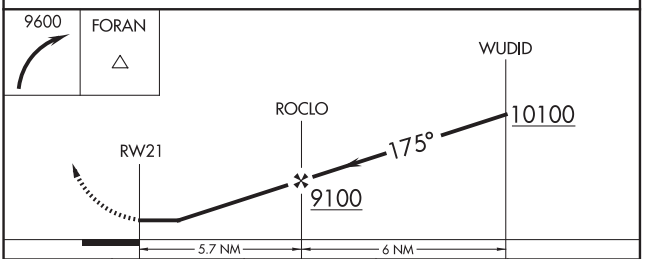
MISSED APPROACH: Climbing right turn to 9600 direct FORAN and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
118.325	124.325 288.25	122.8 (CTAF) L









CATEGORY	A	B	C	D
C CIRCLING	7740-1¼ 998 (1000-1¼)	7740-1½ 998 (1000-1½)	7780-3 1038 (1100-3)	8080-3 1338 (1400-3)

REIL Rwy 3 and 21 L
MIRL Rwy 3-21 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

VORTAC GUP 115.1 Chan 98	APP CRS 305°	Rwy Idg N/A TDZE N/A Apt Elev 6742

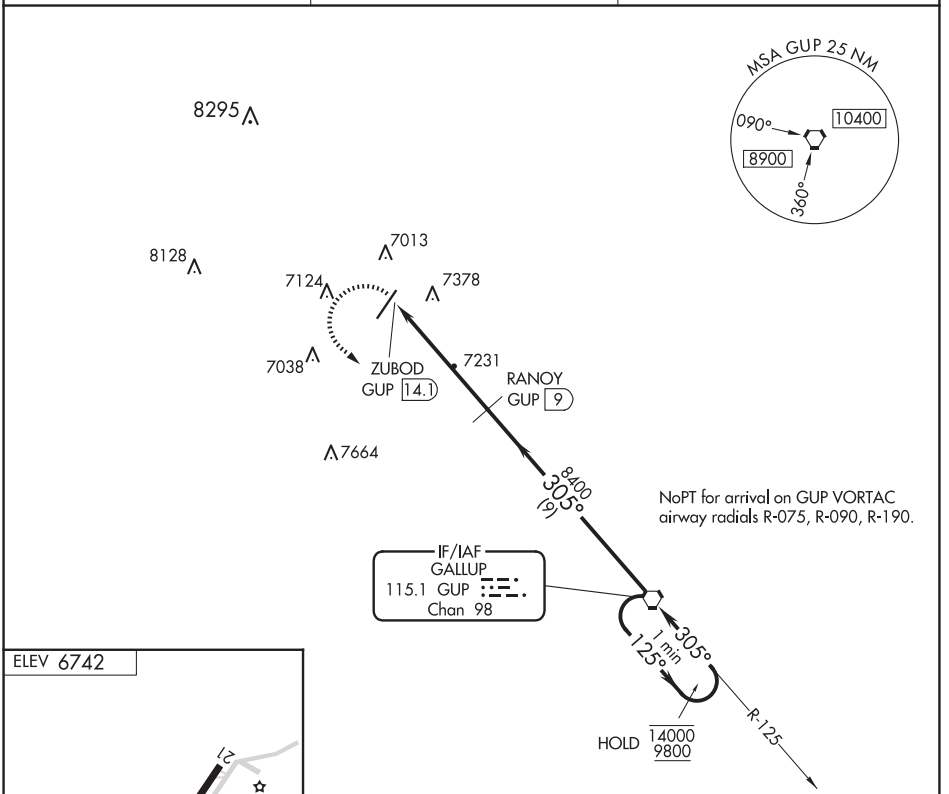
VOR-A
WINDOW ROCK (RQE)

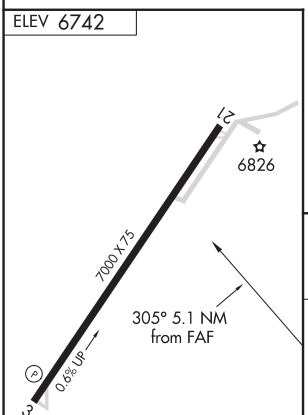
DME required.

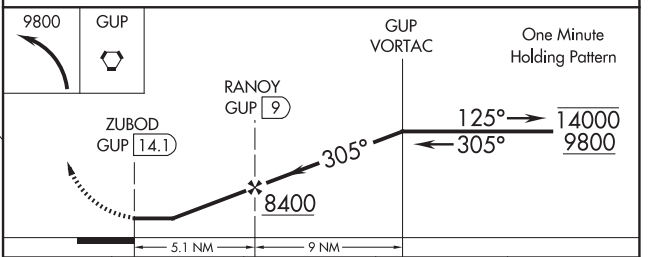
Circling Rwy 21 NA at night.

MISSED APPROACH: Climbing left turn to 9800 direct GUP VORTAC and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
118.325	124.325 288.25	122.8 (CTAF) L







CATEGORY	A	B	C	D
C CIRCLING	7740-1¼ 998 (1000-1¼)	7740-1½ 998 (1000-1½)	7780-3 1038 (1100-3)	8080-3 1338 (1400-3)

REIL Rwy 3 and 21 L
MIRL Rwy 3-21 L

SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 14

WINNEMUCCA MUNI (WMC)

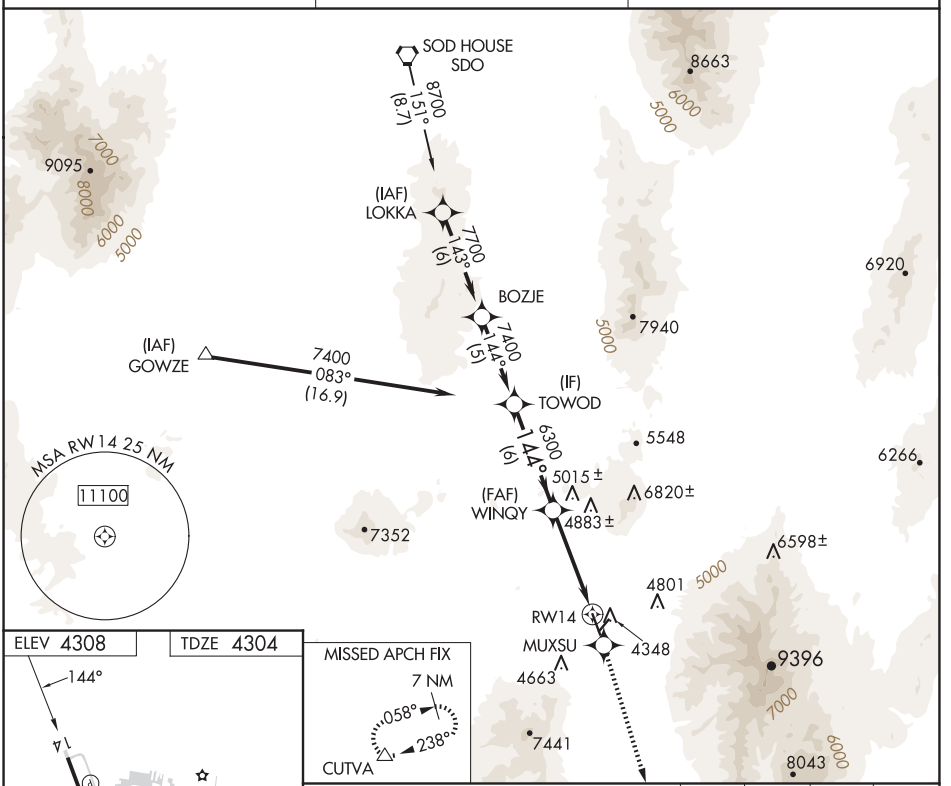
WAAS	APP CRS	Rwy Idg	7000
CH 62902	144°	TDZE	4304
W14A		Apt Elev	4308

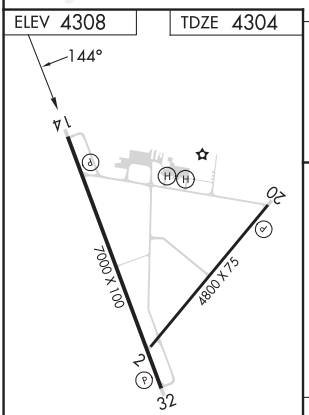
RNP APCH.

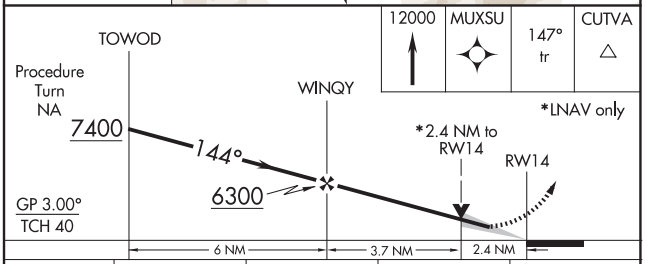
If local altimeter setting not received, use Battle Mountain altimeter setting and increase all DAs/MDAs 140 feet. VDP NA when using Battle Mountain altimeter setting.

MISSED APPROACH: Climb to 12000 direct MUXSU and via 147° track to CUTVA and hold, continue climb-in-hold to 12000.

ASOS	SALT LAKE CITY CENTER	UNICOM
120.175	132.25 338.35	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	4843-2 539 (600-2)			
LNAV MDA	5100-1 796 (800-1)	5100-1¼ 796 (800-1¼)	5100-2¼ 796 (800-2¼)	5100-2½ 796 (800-2½)

MIRL Rwy 2-20
MIRL Rwy 14-32 L
REIL Rwys 20, 14, and 32 L

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

WAAS	APP CRS	Rwy Idg	7000
CH 72702	324°	TDZE	4304
W32A		Apt Elev	4308

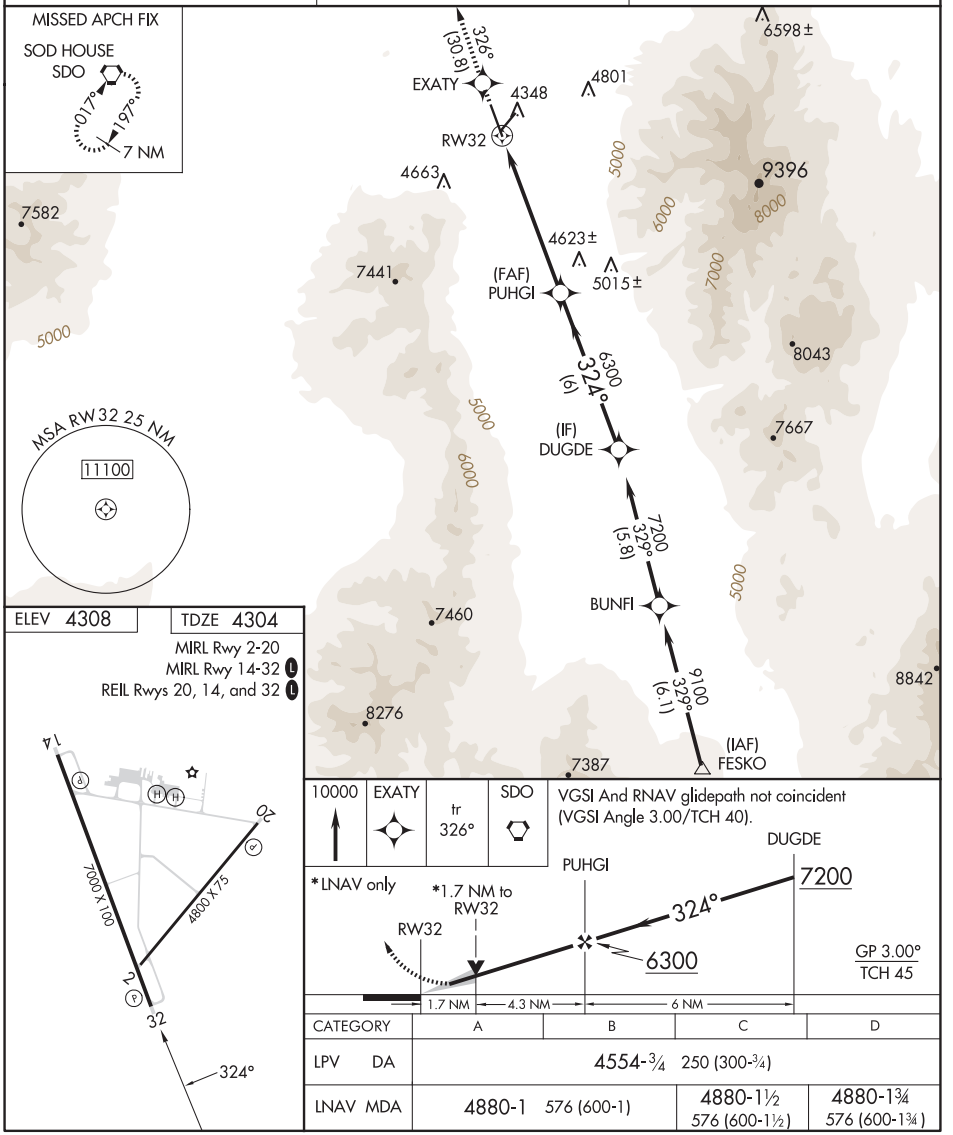
RNAV (GPS) RWY 32
WINNEMUCCA MUNI (WMC)

RNP APCH.

Rwy 32 helicopter visibility reduction below ¾ SM NA.
VDP NA when using Battle Mountain altimeter setting.
When local altimeter setting not received, use Battle Mountain altimeter setting and increase all DAs/MDAs 140 feet.

MISSED APPROACH: Climb to 10000 direct EXATY and on track 326° to SDO VORTAC and hold.

ASOS	SALT LAKE CITY CENTER	UNICOM
120.175	132.25 338.35	122.8 (CTAF) L



ELEV 4308 TDZE 4304

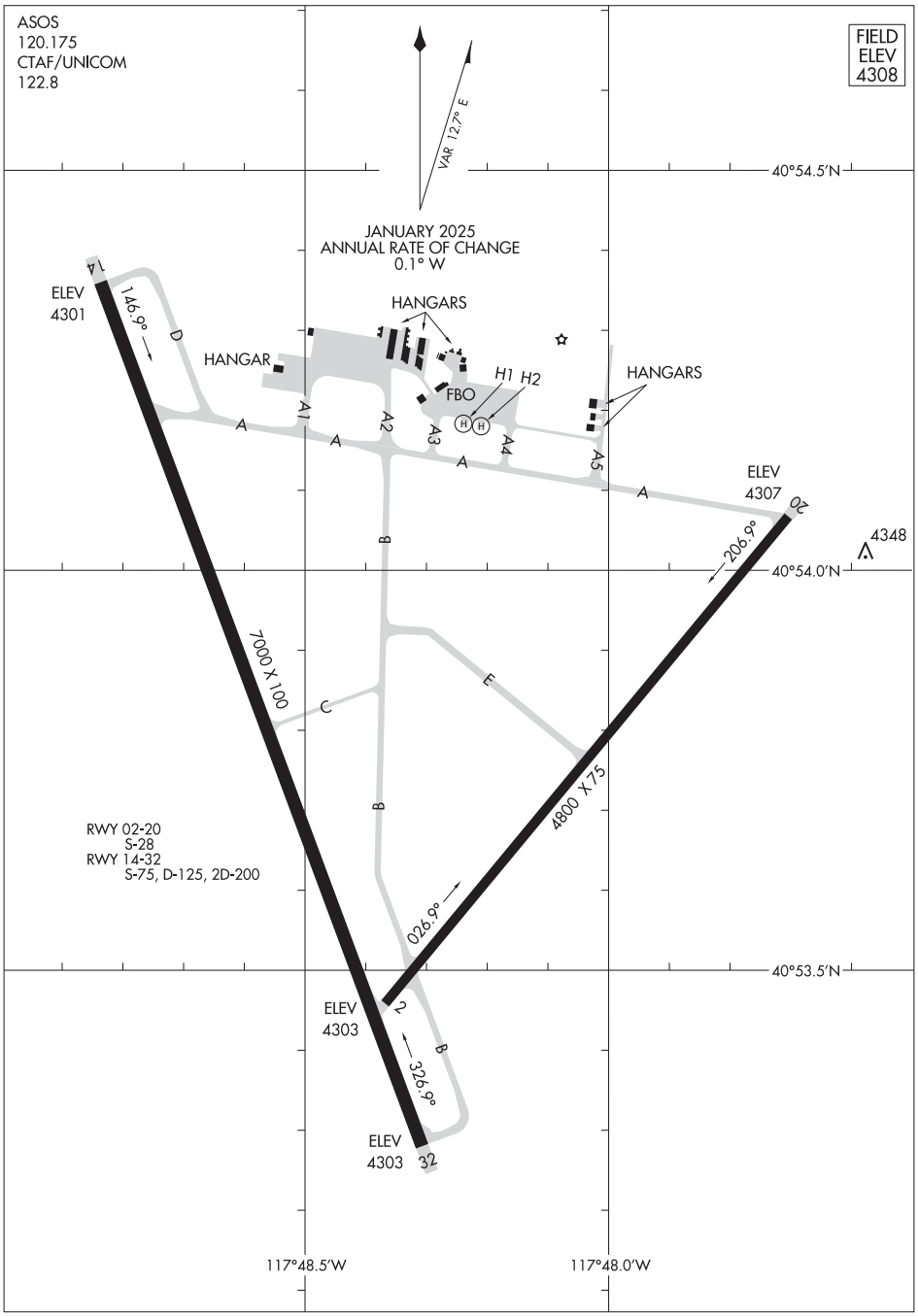
MIRL Rwy 2-20
MIRL Rwy 14-32 L
REIL Rwys 20, 14, and 32 L

10000	EXATY	tr 326°	SDO

VGSI And RNAV glidepath not coincident (VGSI Angle 3.00/TCH 40).

CATEGORY	A	B	C	D
LPV DA	4554-¾ 250 (300-¾)			
LNAV MDA	4880-1 576 (600-1)		4880-1½ 576 (600-1½)	4880-1¾ 576 (600-1¾)

SW-4, 07 AUG 2025 to 02 OCT 2025



SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

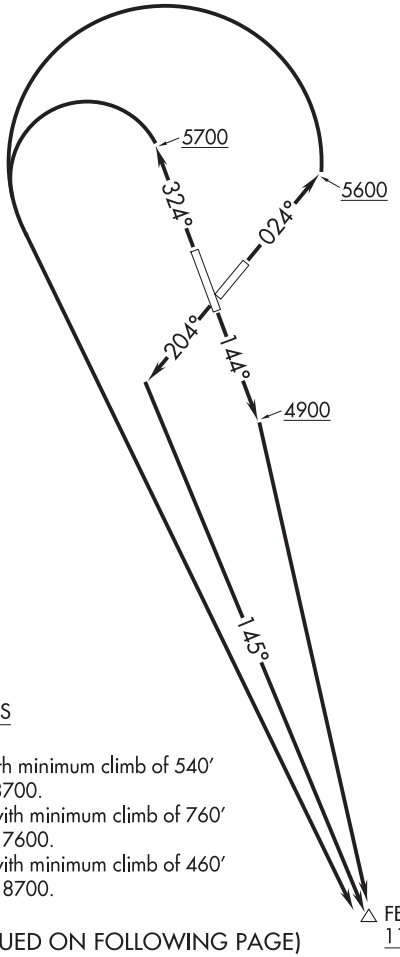
(FESKO1.FESKO) 23278 AL-6471 (FAA)

FESKO ONE DEPARTURE (OBSTACLE) (RNAV)

WINNEMUCCA MUNI (WMC)
WINNEMUCCA, NEVADA

RNAV 1 - GPS

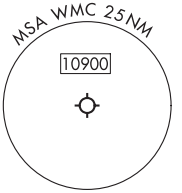
SALT LAKE CITY CENTER
132.25 338.35
ASOS
120.175
CTAF
122.8



TAKEOFF MINIMUMS

Rwy 14: Standard.
Rwy 2: Standard with minimum climb of 540' per NM to 8700.
Rwy 20: Standard with minimum climb of 760' per NM to 7600.
Rwy 32: Standard with minimum climb of 460' per NM to 8700.

(NOTES CONTINUED ON FOLLOWING PAGE)



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb on heading 024° to 5600, then left turn direct FESKO, thence. . . .

TAKEOFF RUNWAY 14: Climb on heading 144° to 4900, then direct FESKO, thence. . . .

TAKEOFF RUNWAY 20: Climb on heading 204° to intercept course 145° to FESKO, thence. . . .

TAKEOFF RUNWAY 32: Climb on heading 324° to 5700, then left turn direct FESKO, thence. . . .

. . . .cross FESKO at or above 11000 before proceeding on assigned route of flight.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

FESKO ONE DEPARTURE (OBSTACLE) (RNAV)

TAKEOFF OBSTACLE NOTES

Rwy 2: Tree, navaid beginning 3′ from DER, 113′ right of centerline, up to 4356′ MSL.
Navaid 39′ from DER, 118′ left of centerline, 8′ AGL/4311′ MSL.
Tree 81′ from DER 402′ right of centerline 4357′ MSL.
Tree, vehicles traverse way beginning, 98′ from DER, 230′ right of centerline, up to 4373′ MSL.
Tree 1177′ from DER 576′ left of centerline 4346′ MSL.
Tree 1265′ from DER 763′ left of centerline 4349′ MSL.
Tree 1404′ from DER 647′ left of centerline 4360′ MSL.

Rwy 14: Pole 1′ from DER 24′ left of centerline 4304′ MSL.
Navaid 40′ from DER, 126′ left of centerline, 4305′ MSL.
Vehicles on traverse way, vegetation, trees beginning 58′ from DER, 183′ left of centerline, up to 40′AGL/4322′ MSL.
Vehicles on traverse way beginning, 343′ from DER, 77′ left of centerline, up to 4325′ MSL.

Rwy 20: Tree 26′ from DER 406′ right of centerline 4306′ MSL.
Trees beginning, 46′ from DER, 63′ right of centerline, up to 40′ AGL/4329′ MSL.
Pole 65′ from DER, 385′ left of centerline 8′ AGL/4311′ MSL.

Rwy 32: Navaid 39′ from DER, 123′ left of centerline, 3′ AGL/4303′ MSL.
Vegetation 77′ from DER, 351′ left of centerline, 4304′ MSL.
Tree 166′ from DER, 478′ right of centerline 4306′ MSL.
Vehicles on traverse way beginning 184′ from DER, 405′ left of centerline, up to 4314′ MSL.
Vehicles on traverse way, 273′ from DER, 267′ right of centerline, up to 4316′ MSL.

SW-4, 07 AUG 2025 to 02 OCT 2025

WINSLOW, ARIZONA AL-462 (FAA) 25163

VORTAC INW	APP CRS	Rwy Ldg	7100
112.6	106°	TDZE	4899
Chan 73		Apt Elev	4941

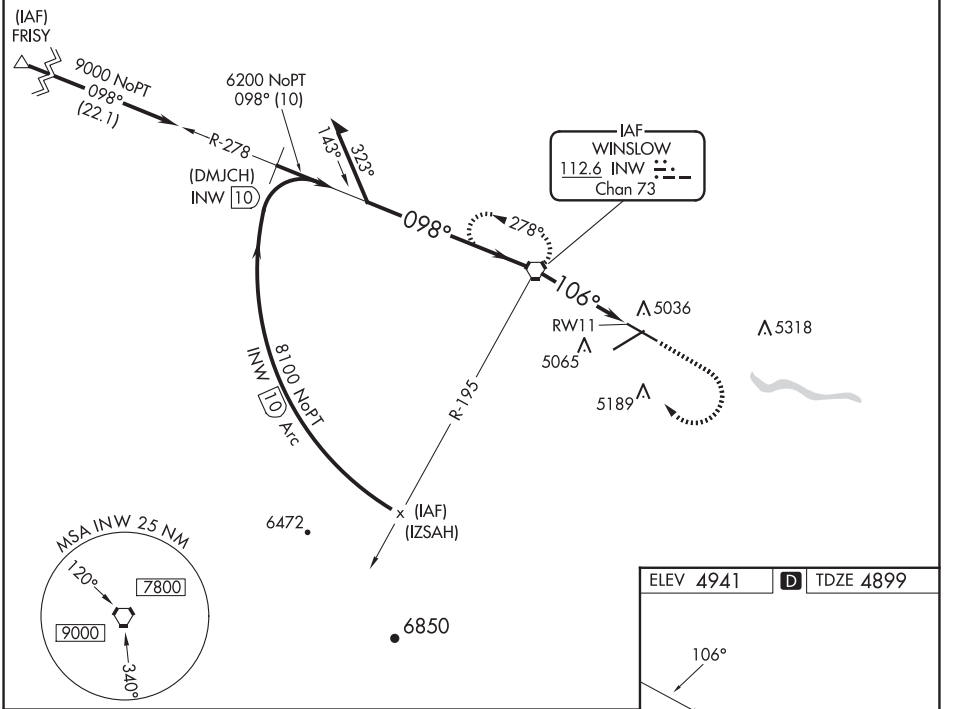
VOR or GPS RWY 11

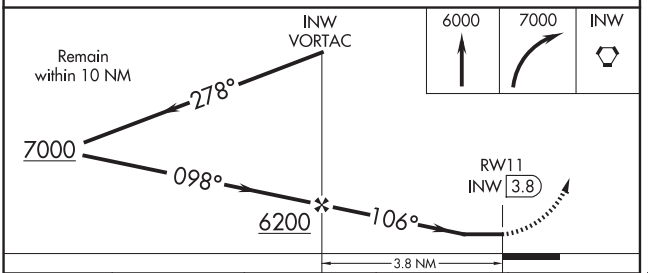
WINSLOW-LINDBERGH RGNL (INW)

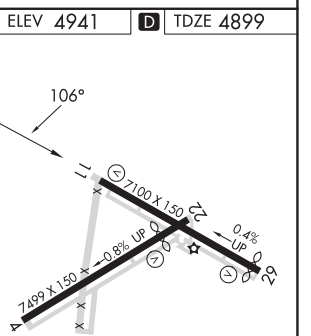
T A Rwy 11 Straight-in and Circling and Circling to Rwy 4 NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climb to 6000, then climbing right turn to 7000 direct INW VORTAC and hold.

ASOS	ALBUQUERQUE CENTER	UNICOM
118.875	127.675 306.2	122.8 (CTAF) L







REIL Rwys 11 and 22 L
MIRL Rwys 4-22 and 11-29 L

CATEGORY	A	B	C	D
S-11	5340-1 441 (400-1)		5340-1¼ 441 (400-1¼)	5340-1½ 441 (400-1½)
CIRCLING	5420-1 479 (500-1)	5540-1 599 (600-1)	5540-1½ 599 (600-1½)	5740-2½ 799 (800-2½)

FAF to MAP 3.8 NM

Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

RNAV (GPS) RWY 2

YERINGTON MUNI (O43)

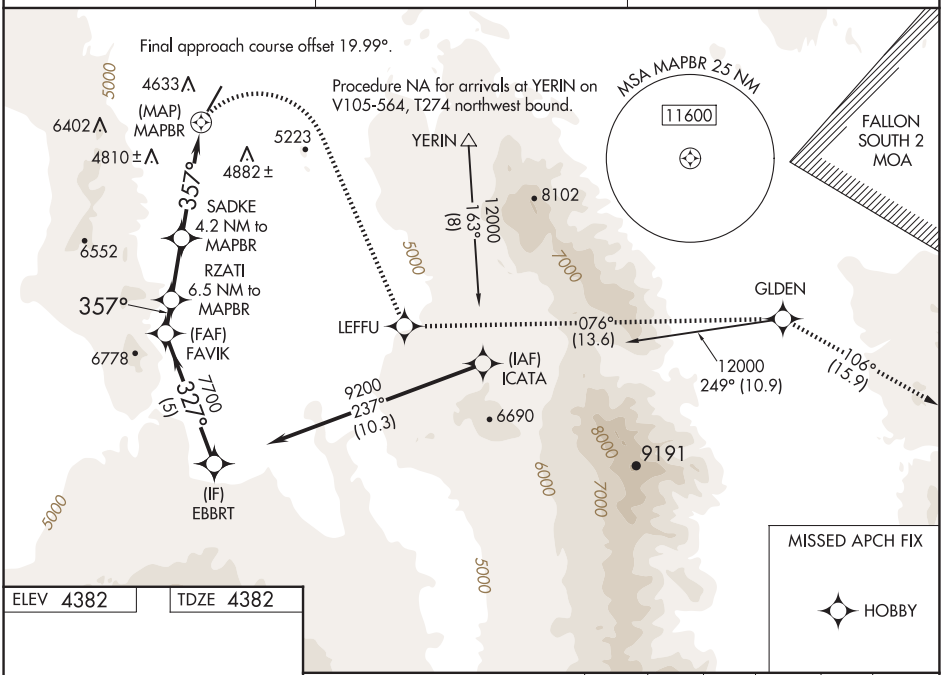
APP CRS	Rwy Ldg	5822
357°	TDZE	4382
	Apt Elev	4382

RNP APCH - GPS.

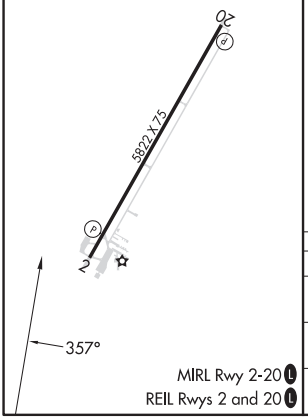
T A NA Procedure NA at night. Rwy 2 helicopter visibility reduction below 1 SM NA. Circling NA west of Rwy 2-20. Use SPZ altimeter setting, when not received, use RNO altimeter setting and increase all MDAs 40 feet and LNAV* visibility Cat C ⅛ SM.

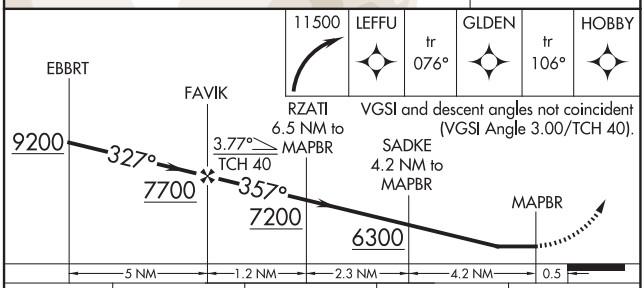
MISSED APPROACH: (Do not exceed 210K until LEFFU) Climbing right turn to 11500 direct LEFFU and on track 076° to GLDEN and on track 106° to HOBBY.
*Missed approach requires minimum climb of 276 feet per NM to 9300.

SPZ AWOS-2	OAKLAND CENTER	AUNICOM
120.475	125.75 284.65	122.8 (CTAF) L



ELEV 4382 TDZE 4382





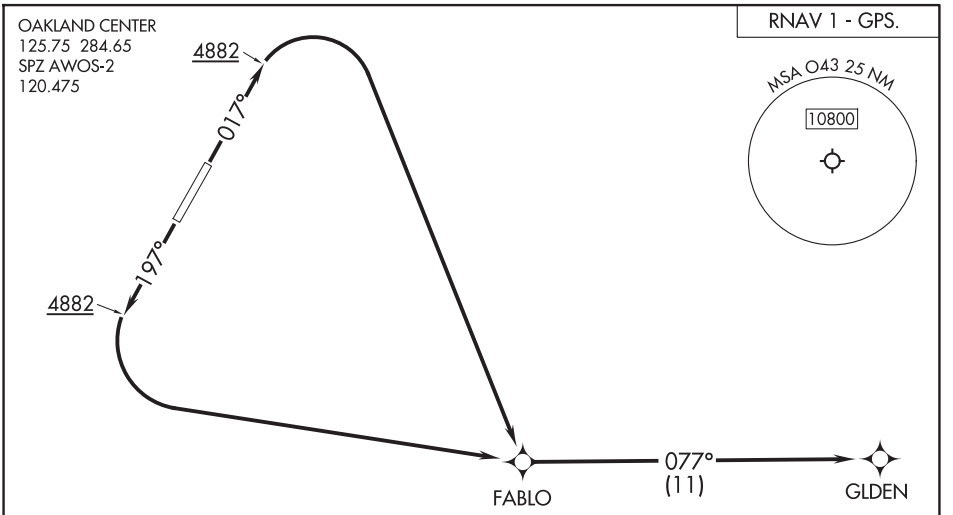
CATEGORY	A	B	C	D
LNAV MDA*	5040-1 658 (700-1)		5040-1⅞ 658 (700-1⅞)	NA
LNAV MDA	6200-1¼ 1818 (1900-1¼)	6200-1½ 1818 (1900-1½)	6200-3 1818 (1900-3)	NA
CIRCLING	6200-1¼ 1818 (1900-1¼)	6200-1½ 1818 (1900-1½)	6200-3 1818 (1900-3)	NA

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

(O431.O43) 24249 AL-9912 (FAA)

YERINGTON ONE DEPARTURE (OBSTACLE) (RNAV)

YERINGTON MUNI (O43)
YERINGTON, NEVADA



TAKEOFF MINIMUMS

Rwy 2: Standard with minimum climb of 403′/NM to 9600.
Rwy 20: Standard with minimum climb of 330′/NM to 8900.

TAKEOFF OBSTACLE NOTES

Rwy 2: Pole vertical point, terrain beginning 15′ from DER, 104′ right of centerline, up to 6′ AGL/4377′ MSL. Trees, navaid beginning 54′ from DER, 198′ right of centerline, up to 22′ AGL/4391′ MSL. Vehicles on road beginning 106′ from DER, 161′ left of centerline, up to 4388′ MSL. Trees beginning 363′ from DER, 307′ right of centerline, up to 25′ AGL/4395′ MSL. Trees beginning 445′ from DER, 523′ right of centerline, up to 4430′ MSL. Tree 519′ from DER, 476′ right of centerline, 4436′ MSL. Tree 543′ from DER, 641′ left of centerline, 45′ AGL/4415′ MSL. Tree 816′ from DER, 330′ right of centerline, 4441′ MSL. Trees beginning 1795′ from DER, 87′ right of centerline, up to 4450′ MSL. Tree 2561′ from DER, 798′ right of centerline, 85′ AGL/4454′ MSL.

Rwy 20: Terrain 3′ from DER, 241′ left of centerline, 4382′ MSL. Poles, trees, fence, vehicle on road beginning 56′ from DER, 433′ left of centerline, up to 44′ AGL/4421′ MSL. Tree 58′ from DER, 48′ right of centerline, 4382′ MSL. Pole, wind indicator, navaid, building, terrain, fences vehicles on road, tank, tree beginning 91′ from DER, 72′ right of centerline, up to 34′ AGL/4415′ MSL. Building, poles, trees, vehicles on road beginning 368′ from DER, 241′ left of centerline, up to 44′ AGL/4430′ MSL. Tree 734′ from DER, 477′ right of centerline, 57′ AGL/4436′ MSL. Antenna, tower, poles, trees, building beginning 755′ from DER, 40′ left of centerline, up to 73′ AGL/4457′ MSL. Trees, building, poles beginning 876′ from DER, 63′ right of centerline, up to 59′ AGL/4439′ MSL. Tower 1361′ from DER, 505′ left of centerline, 81′ AGL/4461′ MSL. Antennas, building, poles, trees beginning 1361′ from DER, 233′ left of centerline, up to 82′ AGL/4464′ MSL. Towers, trees beginning 2023′ from DER, 33′ left of centerline, up to 90′ AGL/4473′ MSL. Antenna 2473′ from DER, 756′ left of centerline, 124′ AGL/4508′ MSL. Tree 2481′ from DER, 39′ right of centerline, 62′ AGL/4445′ MSL. Towers, trees beginning 2489′ from DER, 70′ left of centerline, up to 127′ AGL/4511′ MSL. Tree 2561′ from DER, 187′ right of centerline, 4455′ MSL. Tree 2608′ from DER, 222′ right of centerline, 73′ AGL/4456′ MSL. Tree 3020′ from DER, 192′ right of centerline, 4458′ MSL. Terrain beginning 1.8 NM from DER, 3194′ right of centerline, up to 4674′ MSL. Terrain beginning 1.9 NM from DER, 2711′ right of centerline, up to 4684′ MSL. Trees 2.1 NM from DER, 4018′ right of centerline, 100′ AGL/4769′ MSL. Trees beginning 2.2 NM from DER, 4075′ right of centerline, up to 100′ AGL/4772′ MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb on heading 017° to 4882, then right turn direct FABLO, thence. . . .

TAKEOFF RUNWAY 20: Climb on heading 197° to 4882, then left turn direct FABLO, thence. . . .

. . . . thence on track 077° to GLDEN. Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

ILS or LOC/DME RWY 21R

LOC I-YUM	APCH CRS	Rwy Idg	21L 9239	21R 13,300
108.3	213°	TDZE	21L 208	21R 193
		Arpt Elev	213	

[USN] YUMA MCAS/YUMA INTL (KNYL)

VOR required

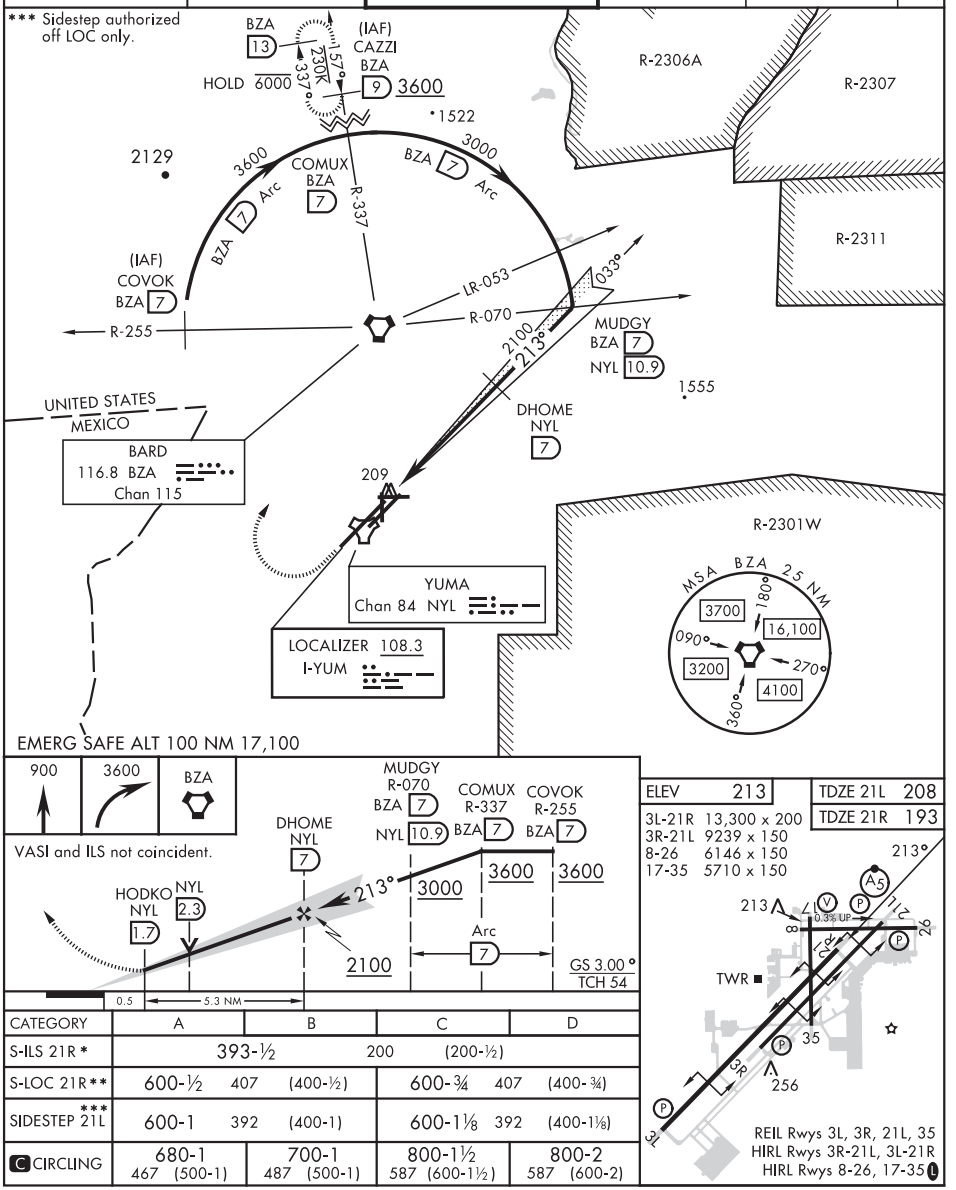
* When ALS inop, increase vis to ¾ mile.
**When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1⅛ miles.

MALSR

MISSED APPROACH: Climb to 900, then climbing right turn to 3600 direct BZA VORTAC and BZA R-337 to CAZZI and hold.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	

*** Sidestep authorized off LOC only.



ELEV 213	TDZE 21L 208
3L-21R 13,300 x 200	TDZE 21R 193
3R-21L 9239 x 150	
8-26 6146 x 150	
17-35 5710 x 150	

CATEGORY	A	B	C	D
S-ILS 21R *	393-½ 200 (200-½)			
S-LOC 21R**	600-½ 407 (400-½)		600-¾ 407 (400-¾)	
SIDESTEP *** 21L	600-1 392 (400-1)		600-1⅛ 392 (400-1⅛)	
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)

YUMA, ARIZONA
Amdt 6 22APR21

32°39'N-114°36'W

YUMA MCAS/YUMA INTL (KNYL)

ILS or LOC/DME RWY 21R

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

YUMA, ARIZONA

RNAV (GPS) RWY 3L

APCH CRS	Rwy ldg	13,300
033°	TDZE	195
	Arpt Elev	213

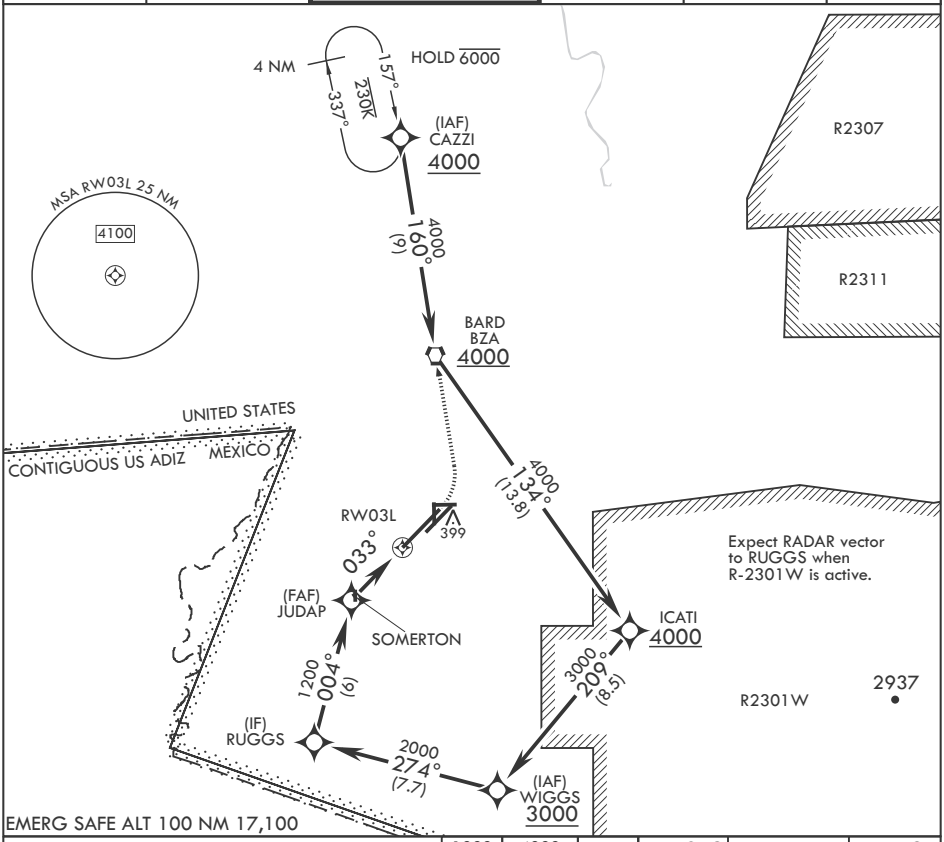
- (USN)

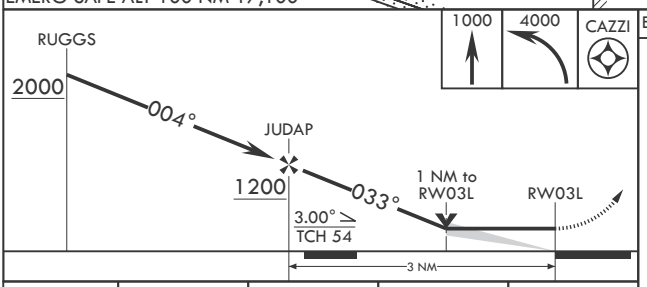
YUMA MCAS YUMA INTL (KNYL)

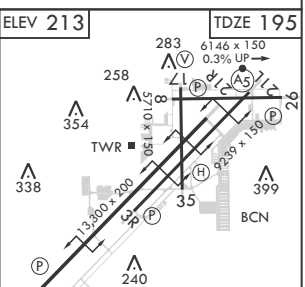
RNP APCH

MISSED APPROACH: Climb to 1000, then climbing left turn to 4000 direct CAZZI and hold. Continue climb in hold to 4000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	







CATEGORY	A	B	C	D
LNAV MDA	560-1		365	(400-1)
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)

YUMA, ARIZONA

Amdt 4 22APR21

32°39'N - 114°36'W

YUMA MCAS YUMA INTL (KNYL)

RNAV (GPS) RWY 3L

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

RNAV (GPS) RWY 17

APCH CRS	Rwy ldg	5710
170°	TDZE	197
	Arpt Elev	213

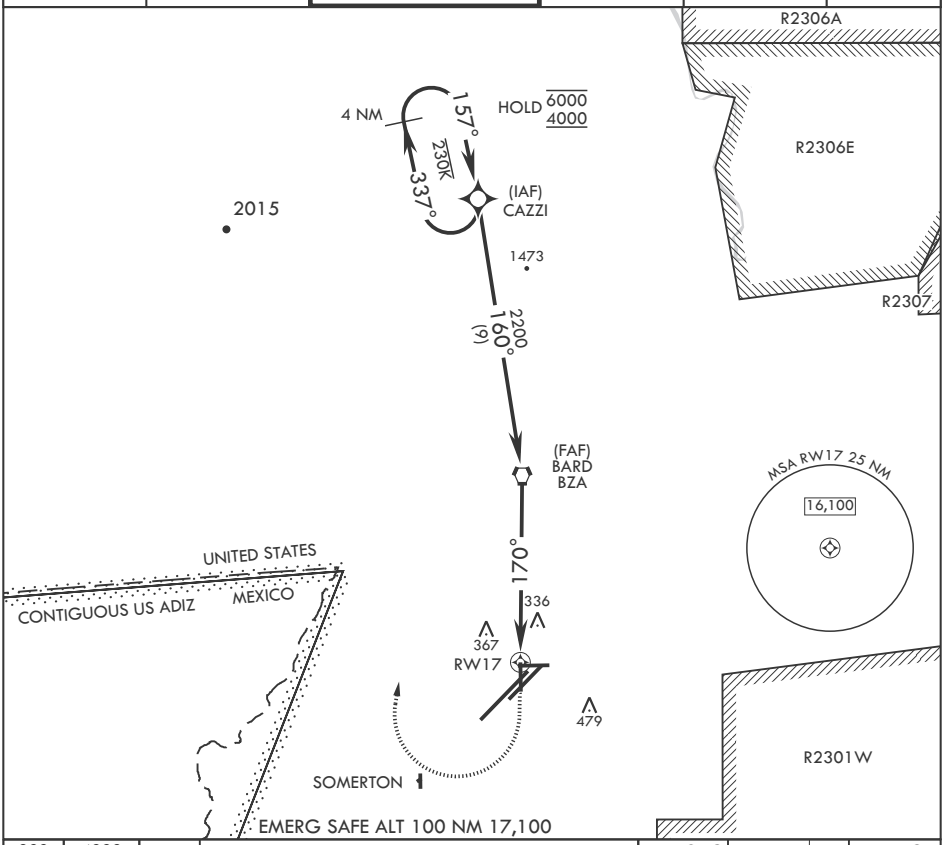
- (USN)

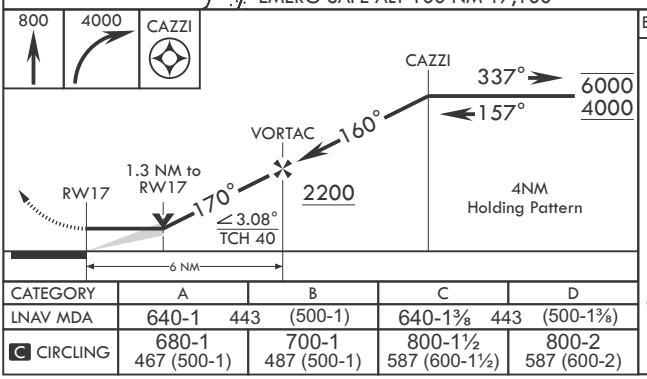
YUMA MCAS YUMA INTL (KNYL)

RNP APCH

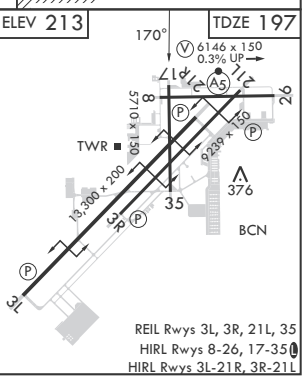
MISSED APPROACH: Climb to 800 then, climbing right turn to 4000 direct CAZZI and hold. Continue climb in hold to 4000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	





CATEGORY	A	B	C	D
LNAV MDA	640-1 443 (500-1)		640-1⅜ 443 (500-1⅜)	
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)



YUMA, ARIZONA

Amdt 5 22APR21

32°39'N - 114°36'W

YUMA MCAS YUMA INTL (KNYL)

RNAV (GPS) RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

RNAV (GPS) RWY 21R

YUMA MCAS YUMA INTL (KNYL)

APCH CRS	Rwy ldg	13,300
213°	TDZE	193
	Arpt Elev	213

- (USN)

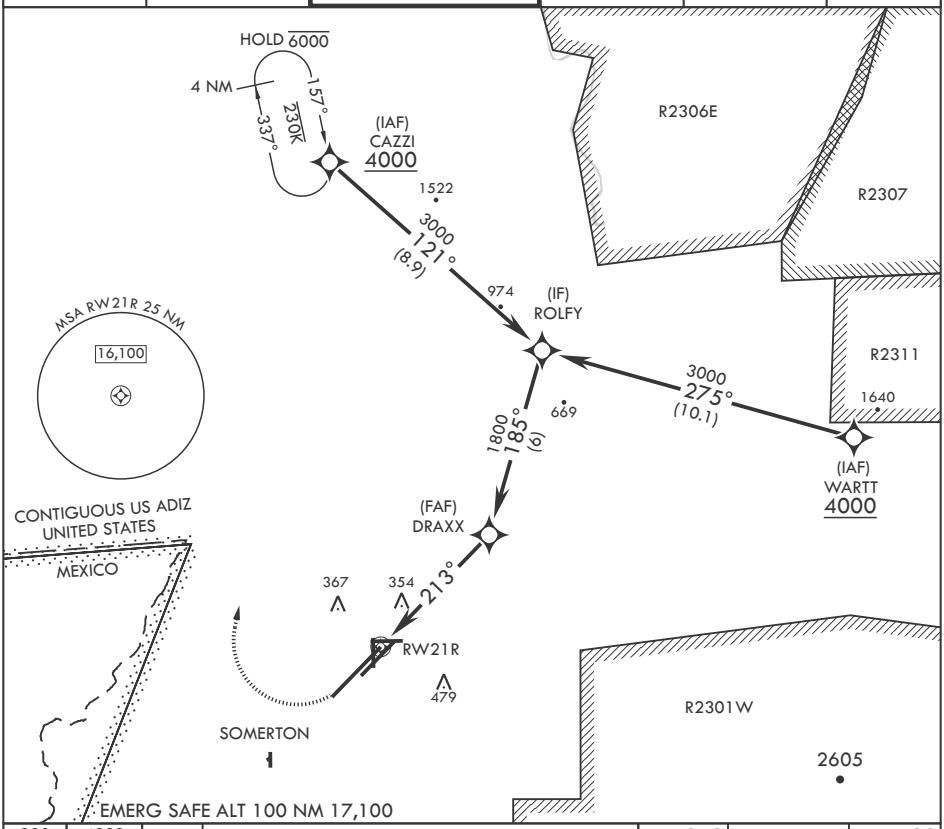
RNP APCH

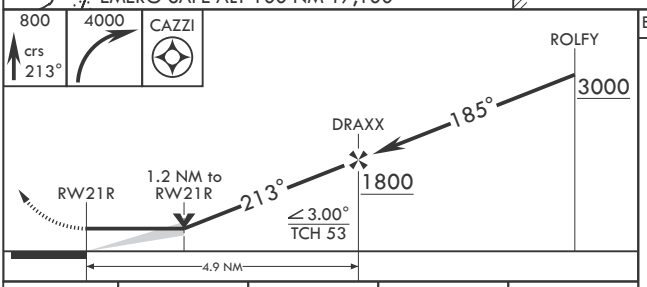
* When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1 1/4 miles.

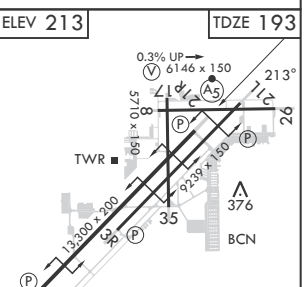
MALSR

MISSED APPROACH: Climb to 800 then, climbing right turn to 4000 direct CAZZI and hold. Continue climb in hold to 4000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	







CATEGORY	A	B	C	D
LNAV MDA*	620-½ 427	(500-½)	620-¾ 427	(500-¾)
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)

32°39'N - 114°36'W

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

VOR/DME or TACAN RWY 17

VORTAC BZA	APCH CRS	Rwy Idg	5710
116.8	167°	TDZE	197
Chan 115		Arpt Elev	213

[USN]

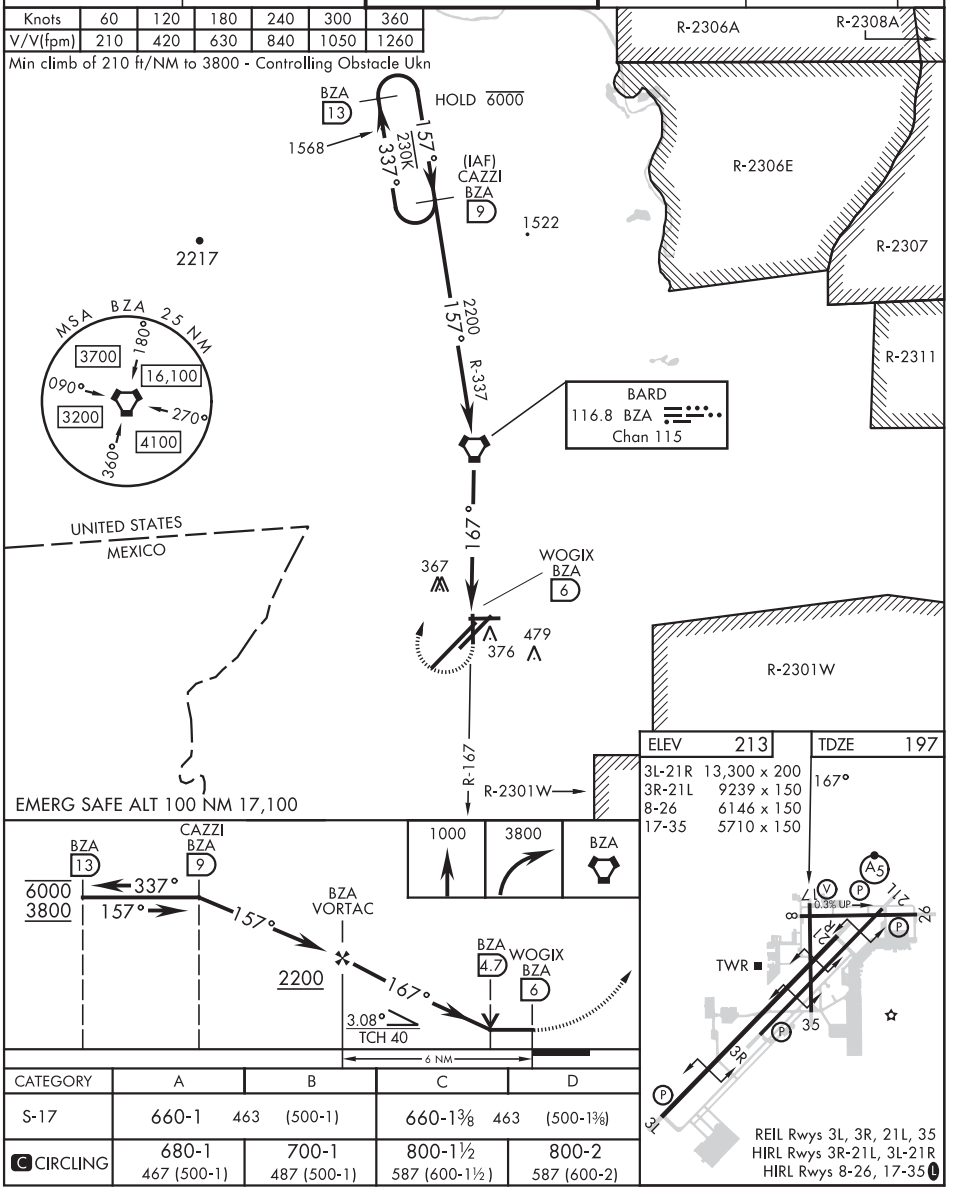
YUMA MCAS/YUMA INTL (KNYL)

MISSED APPROACH: Climb to 1000, then climbing right turn to 3800 direct BZA VORTAC and BZA R-337 to CAZZI and hold.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	

Knots	60	120	180	240	300	360
V/V(fpm)	210	420	630	840	1050	1260

Min climb of 210 ft/NM to 3800 - Controlling Obstacle Ukn



CATEGORY	A	B	C	D
S-17	660-1 463 (500-1)		660-1⅜ 463 (500-1⅜)	
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)

YUMA, ARIZONA

Amdt 5 22APR21

32°39′N-114°36′W

YUMA MCAS/YUMA INTL (KNYL)

VOR/DME or TACAN RWY 17

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

VOR RWY 17

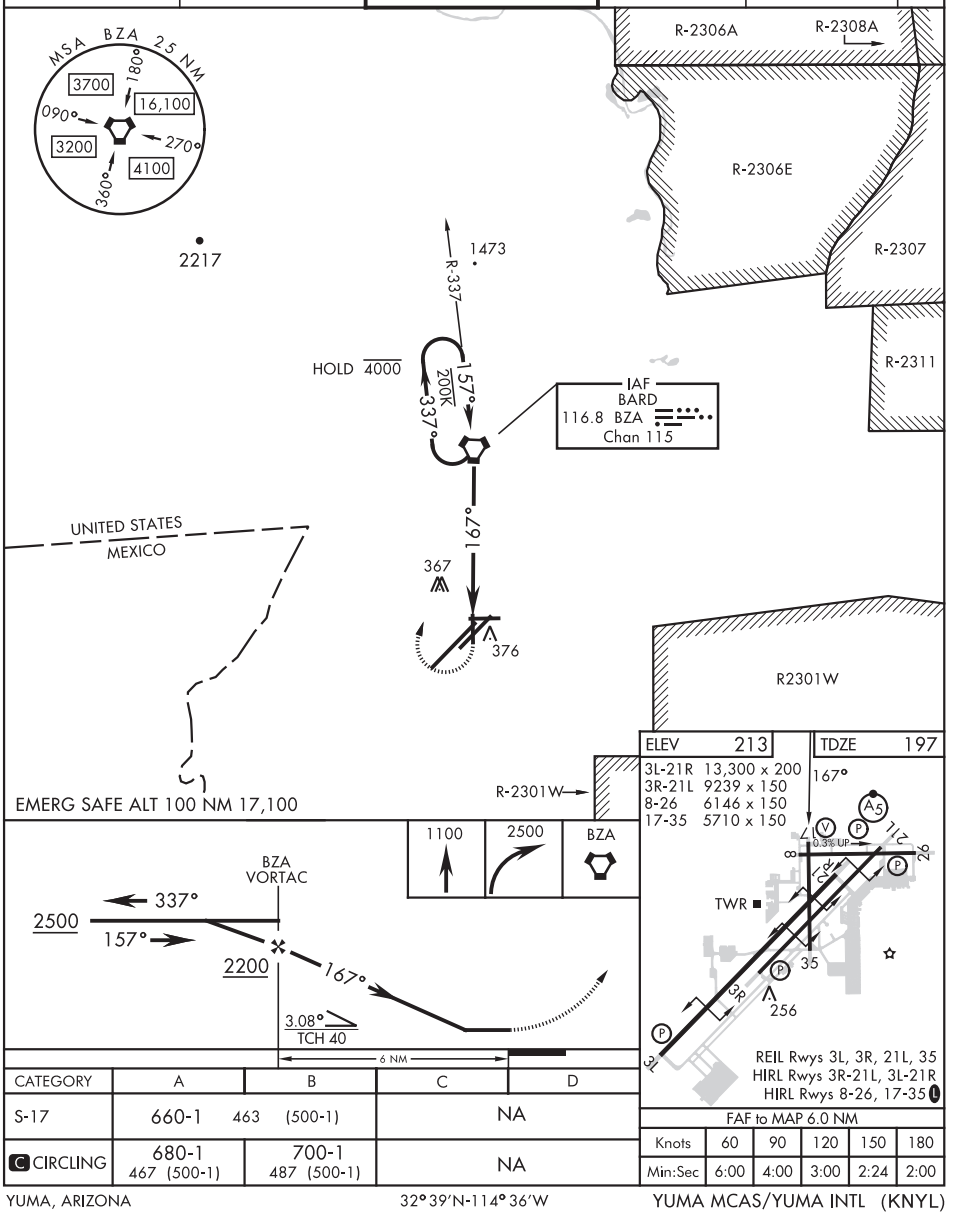
VORTAC BZA	APCH CRS	Rwy Idg	5710
116.8	167°	TDZE	197
Chan 115		Arpt Elev	213

[USN]

YUMA MCAS/YUMA INTL (KNYL)

MISSED APPROACH: Climb to 1100, then climbing right turn to 2500 direct BZA VORTAC and hold.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	



CATEGORY	A	B	C	D
S-17	660-1 463 (500-1)		NA	
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	NA	

FAF to MAP 6.0 NM

Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

32°39'N-114°36'W

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

TACAN Y RWY 3L

TACAN	APCH CRS	Rwy Idg	TDZE	Arpt Elev
NYL Chan 84	039°	13,300	195	213

[USN]

YUMA MCAS/YUMA INTL (KNYL)

MISSED APPROACH: Climbing left turn to 4000, intercept NYL TACAN R-022 to JIBUN, cross JIBUN at or above 4000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) 377.075	121.9 314.0	118.0 336.4	

Knots	60	120	180	240	300	360
V/V(fpm)	330	660	990	1320	1650	1980

Min climb of 330 ft/NM to 4000 - Controlling Obstacle Unk

BLYTHE 117.4 BLH Chan 121

NYL 15

5000 (471) 058°

162° 342° 230K

HOLD 6000

(IAF) PRSON NYL 10

NYL 10 Arc

R-022

(IAF) JIBUN NYL 10 4000

CAUTION: R-2306E located 14.9 NM NE of NYL TACAN.

CAUTION: Short intmed, recommend early configuration.

874

UNITED STATES MEXICO

IAF YUMA Chan 84 NYL

367

R-342

162°

ISAYA NYL 1.5

479

JUTIG NYL 4

299

247

280

JEDEV NYL 9 1800

039°

170°

JESEB NYL 5

R-219

NYL 9 Arc

JEGAV NYL 9 2800

R-170

EMERG SAFE ALT 100 NM 17,100

R2301W

MSA NYL 25 NM

130° 220° 040° 310°

16,100 3200 4100 1800

2917

ELEV 213 TDZE 195

3L-21R	13,300 x 200
3R-21L	9239 x 150
8-26	6146 x 150
17-35	5710 x 150

4000 JIBUN NYL 10 R-022

JEGAV NYL R-170 9

JESEB NYL R-170 5

NYL TACAN

PRSON 10

NYL 9 Arc

2800

4000

170° 162° 4000

JEDEV R-219

JUTIG NYL 4

ISAYA NYL NYL 2 1.5

039°

1800 1200

3.00° TCH 52

2.5 NM .5

TWR

376

35

256

039°

REIL Rwys 3L, 3R, 21L, 35

HIRL Rwys 3R-21L, 3L-21R

HIRL Rwys 8-26, 17-35 C

CATEGORY	A	B	C	D
S-3L	560-1 365 (400-1)			
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)

SW-4, 07 AUG 2025 to 02 OCT 2025
SW-4, 07 AUG 2025 to 02 OCT 2025

YUMA, ARIZONA

TACAN Y RWY 21R

TACAN	APCH CRS	Rwy Idg	13,300
Chan 84	208°	TDZE	193
		Arpt Elev	213

[USN]

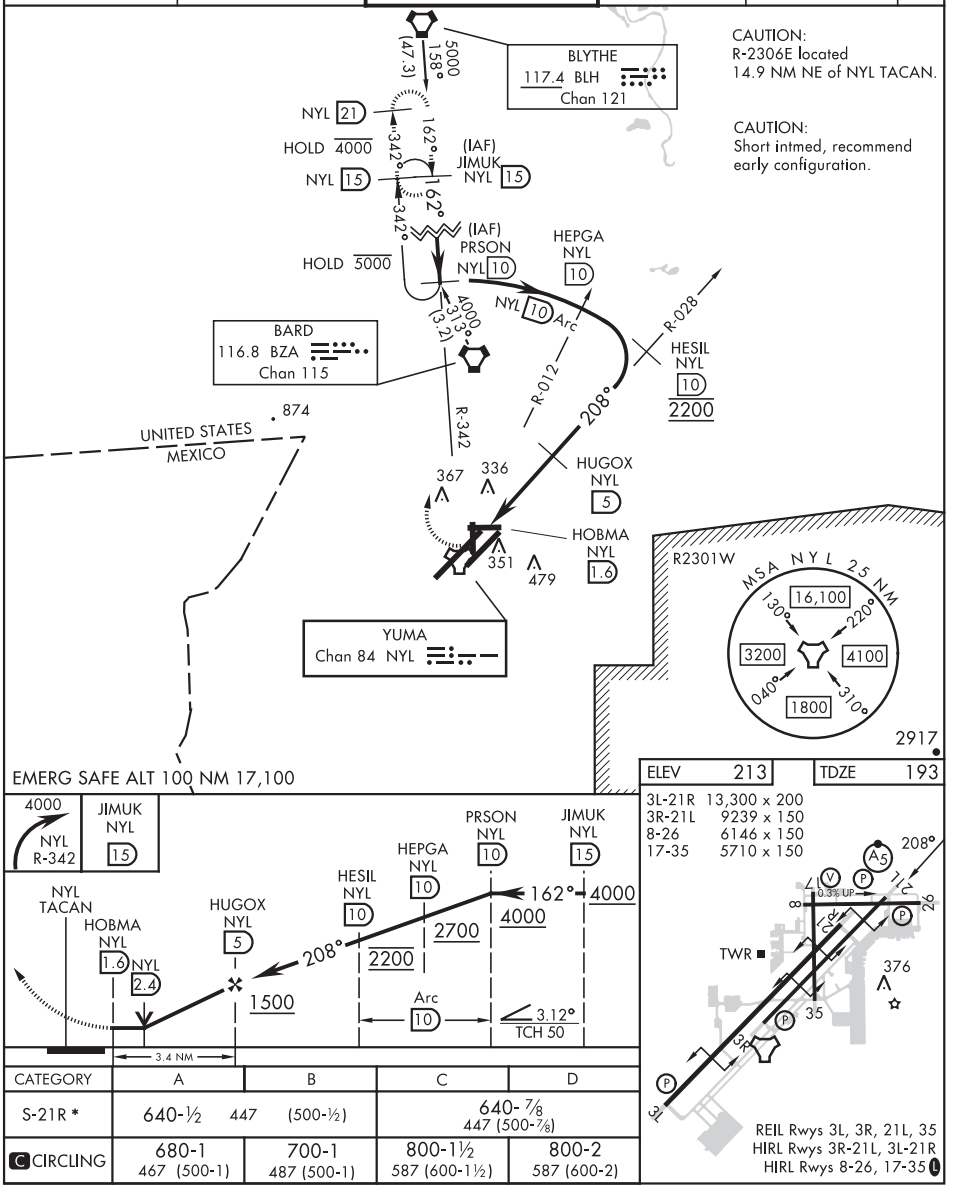
YUMA MCAS/YUMA INTL (KNYL)

* When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1⅜ miles.

MALSR A5

MISSED APPROACH: Climbing right turn to 4000 intercept NYL TACAN R-342 to JIMUK and hold, continue climb-in-hold to 4000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL	ASR/PAR
118.8 273.5	124.7 371.975	119.3 (CTAF) L 377.075	121.9 314.0	118.0 336.4	



CATEGORY	A	B	C	D
S-21R *	640-½ 447 (500-½)		640-⅞ 447 (500-⅞)	
C CIRCLING	680-1 467 (500-1)	700-1 487 (500-1)	800-1½ 587 (600-1½)	800-2 587 (600-2)

YUMA, ARIZONA

Amdt 6 22APR21

32°39'N-114°36'W

YUMA MCAS/YUMA INTL (KNYL)

TACAN Y RWY 21R

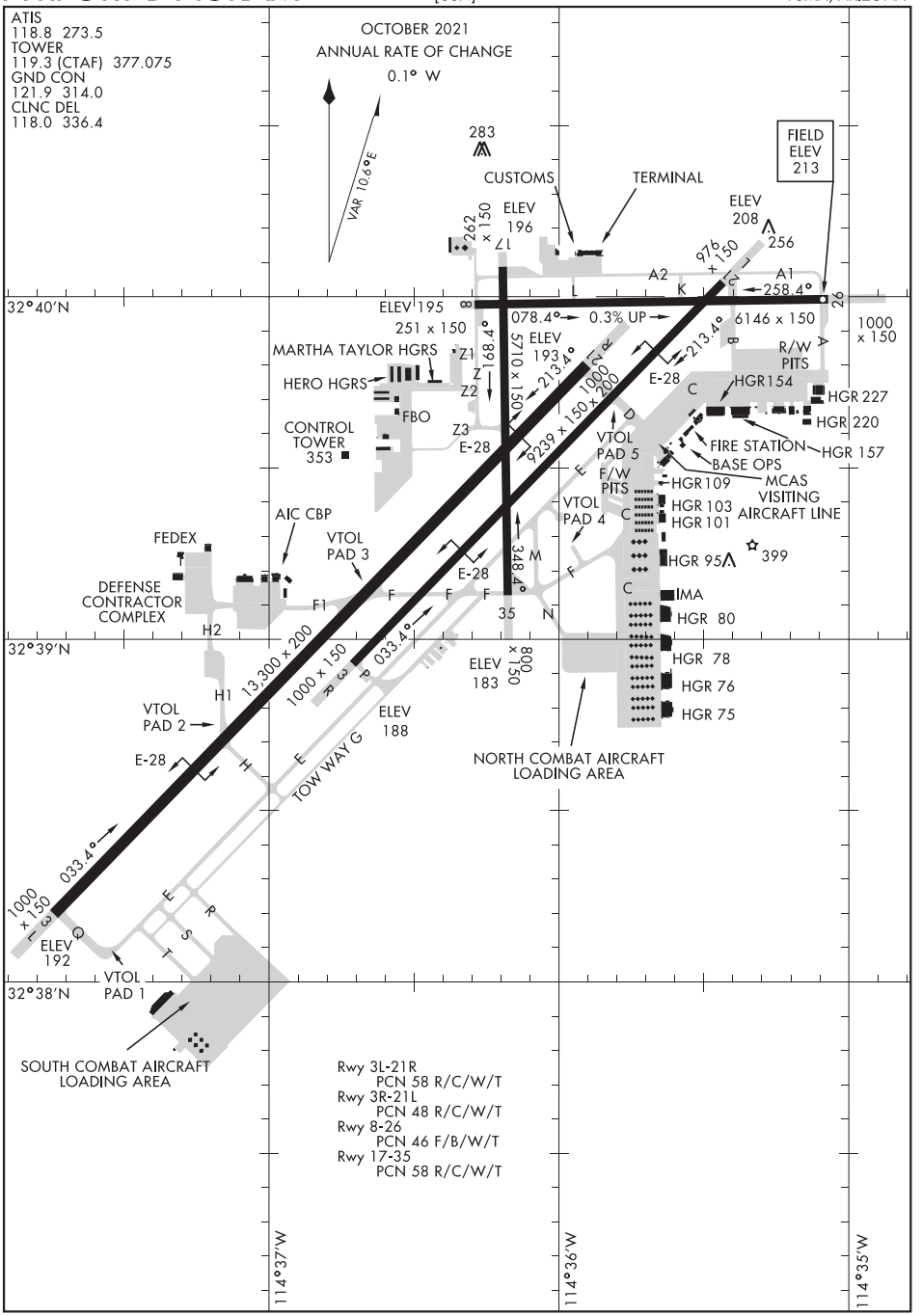
SW-4, 07 AUG 2025 to 02 OCT 2025

AIRPORT DIAGRAM

YUMA MCAS/YUMA INTL (KNYL)

[USN]

YUMA, ARIZONA



AIRPORT DIAGRAM

YUMA, ARIZONA

YUMA MCAS/YUMA INTL (KNYL)

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

25107

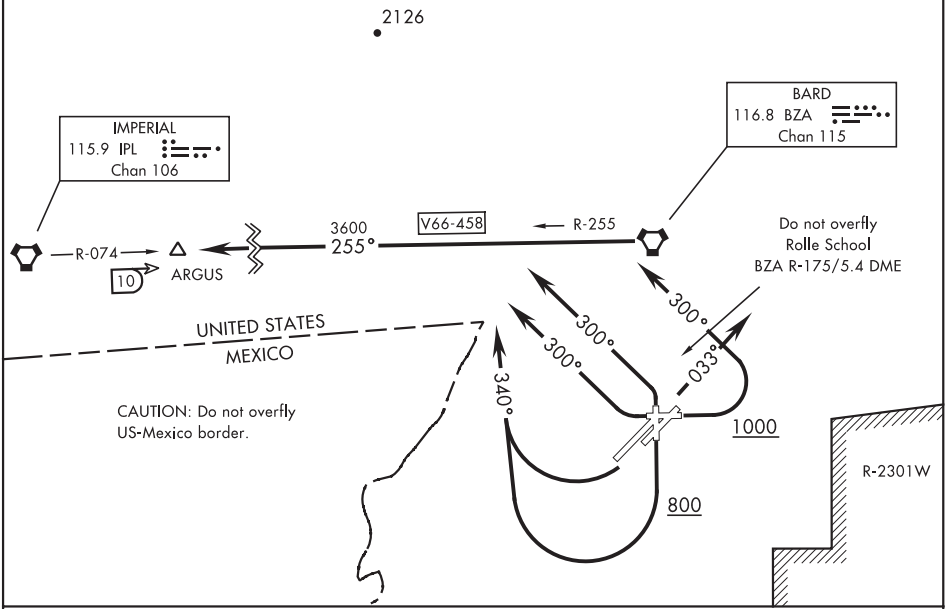
YUMA MCAS/YUMA INTL (KNYL)

ARGUS FIVE DEPARTURE (ARGUS5.ARGUS)

YUMA, ARIZONA

RADAR required

ATIS [USN]
118.8 273.5
CLNC DEL
118.0 336.4
GND CON
121.9 314.0
TOWER
119.3 (CTAF) 377.075
DEP CON
125.55 282.325



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R: Climb heading 033°, then RADAR vectors to intercept BZA VORTAC R-255. Thence...

TAKEOFF RWY 8: Climb heading 078° to 1000, then climbing left turn heading 300°, then RADAR vectors to intercept BZA VORTAC R-255. Thence...

TAKEOFF RWY 17: Climb heading 168° to 800, then climbing right turn heading 340°, then RADAR vectors to intercept BZA VORTAC R-255. Thence...

TAKEOFF RWY 21L/R: Climbing right turn heading 340°, then RADAR vectors to intercept BZA VORTAC R-255. Thence...

TAKEOFF RWY 26: Climbing right turn heading 300°, then RADAR vectors to intercept BZA VORTAC R-255. Thence...

TAKEOFF RWY 35: Climbing left turn heading 300°, then RADAR vectors to intercept BZA VORTAC R-255. Thence...

...via BZA R-255 to ARGUS, then via assigned route. Maintain assigned altitude. Expect clearance to filed altitude/flight level 10 minutes after departure.

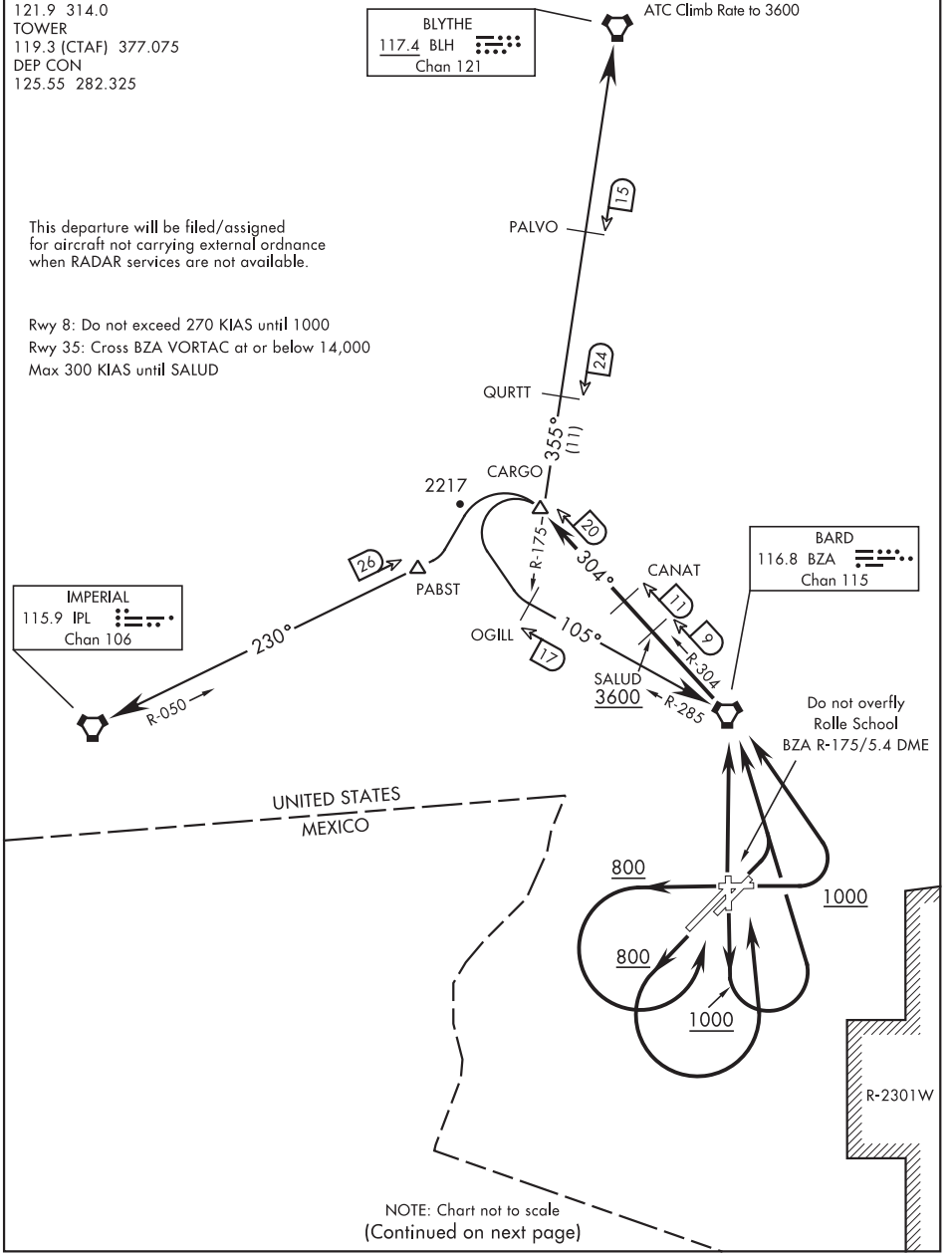
CARGO ONE DEPARTURE (CARGO1.CARGO)

YUMA, ARIZONA

ATIS
118.8 273.5
CLNC DEL
118.0 336.4
GND CON
121.9 314.0
TOWER
119.3 (CTAF) 377.075
DEP CON
125.55 282.325

[USN]

Rwy	Knots	60	120	180	240	300	360
3L/R	V/V(fpm)	225	450	675	900	1125	1350
26	V/V(fpm)	210	420	630	840	1050	1260
35	V/V(fpm)	241	482	723	964	1205	1446



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CARGO ONE DEPARTURE (CARGO1.CARGO)

YUMA, ARIZONA

Amdt 1 17JUN21

YUMA MCAS/YUMA INTL (KNYL)

SW-4, 07 AUG 2025 to 02 OCT 2025

CARGO ONE DEPARTURE (CARGO1.CARGO)

[USN]

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R: Climbing left turn to intercept BZA VORTAC R-304 to CARGO. Cross SALUD at or above 3600. Thence...

TAKEOFF RWY 8: Climb to 1000, then climbing left turn direct BZA VORTAC. Then via BZA R-304 to CARGO. Do not exceed 270 KIAS to 1000. Cross SALUD at or above 3600. Thence...

TAKEOFF RWY 17: Climb to 1000, then climbing left turn direct BZA VORTAC. Then, via BZA R-304 to CARGO. Cross SALUD at or above 3600. Thence...

TAKEOFF RWY 21L/R, 26: Climb to 800, then climbing left turn direct BZA VORTAC. Then via BZA R-304 to CARGO. Cross SALUD at or above 3600. Thence...

TAKEOFF RWY 35: Climb direct BZA VORTAC, then via BZA R-304 to CARGO. Cross BZA VORTAC at or below 14,000. Do not exceed 300 KIAS in turn at BZA VORTAC. Cross SALUD at or above 3600. Thence...

BARD TRANSITION (CARGO1.BZA): At CARGO, turn left to intercept BZA VORTAC R-285 to BZA.

BLYTHE TRANSITION (CARGO1.BLH): At CARGO, turn right to intercept BLH VORTAC R-175 to BLH.

IMPERIAL TRANSITION (CARGO1.IPL): At CARGO, turn left to intercept IPL VORTAC R-050 to IPL.

Then via assigned route. Maintain assigned altitude. Expect clearance to filed altitude 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

HEEDS THREE DEPARTURE (HEEDS3.HEEDS)

[USN]

YUMA, ARIZONA

ATIS
118.8 273.5
CLNC DEL
118.0 336.4
GND CON
121.9 314.0
TOWER
119.3 (CTAF) 377.075
DEP CON
125.55 282.325

2136

2663

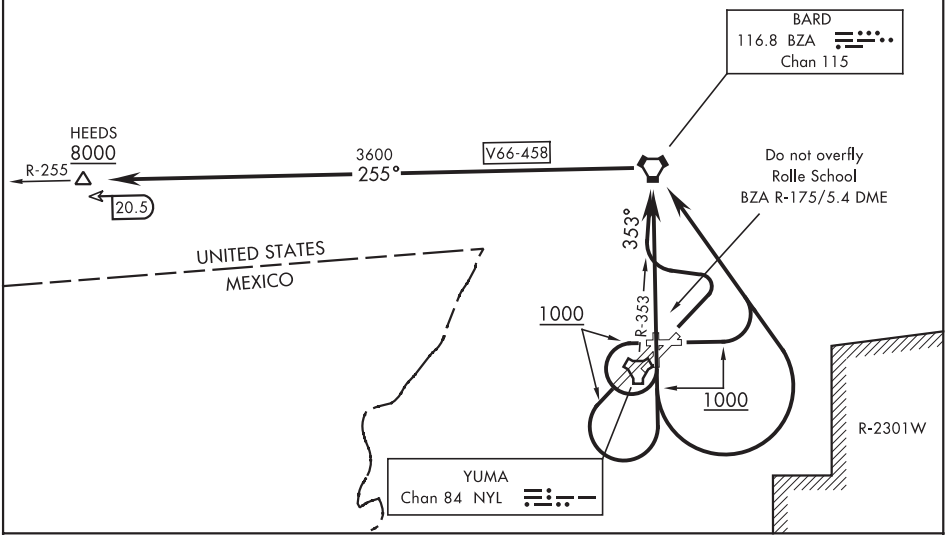
Rwy	Knots	60	120	180	240	300	360
†3L/R	V/V(fpm)	313	626	939	1252	1565	1878
†8, 17, 21L/R, 26	V/V(fpm)	291	582	873	1164	1455	1746
†35	V/V(fpm)	328	656	984	1312	1640	1968
*3R	V/V(fpm)	205	410	615	820	1025	1230

† ATC Climb Rate to 8000
* Minimum Climb Rate to 700

Runway 3L/R: Do not exceed 250 KIAS until intercepting NYL R-353. Cross BZA VORTAC at or below 9000.

Runway 8: Do not exceed 270 KIAS until 1000.

Runway 35: Cross BZA VORTAC at or below 14,000.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R: Climbing left turn to 8000 to intercept NYL TACAN R-353 to BZA VORTAC and via BZA R-255 to HEEDS. Do not exceed 250 KIAS until intercepting NYL R-353. Cross BZA VORTAC at or below 9000. Cross HEEDS at or above 8000.

TAKEOFF RWY 8: Climb to 1000, then climbing left turn direct BZA VORTAC, then via BZA R-255 to HEEDS. Do not exceed 270 KIAS until 1000. Cross HEEDS at or above 8000.

TAKEOFF RWY 17, 21L/R, 26: Climb to 1000, then climbing left turn direct BZA VORTAC, then via BZA R-255 to HEEDS. Cross HEEDS at or above 8000.

TAKEOFF RWY 35: Climb to 8000 direct BZA VORTAC and via BZA R-255 to HEEDS. Cross BZA VORTAC at or below 14,000. Cross HEEDS at or above 8000.

Then via assigned route. Maintain assigned altitude. Expect clearance to filed altitude 10 minutes after departure.

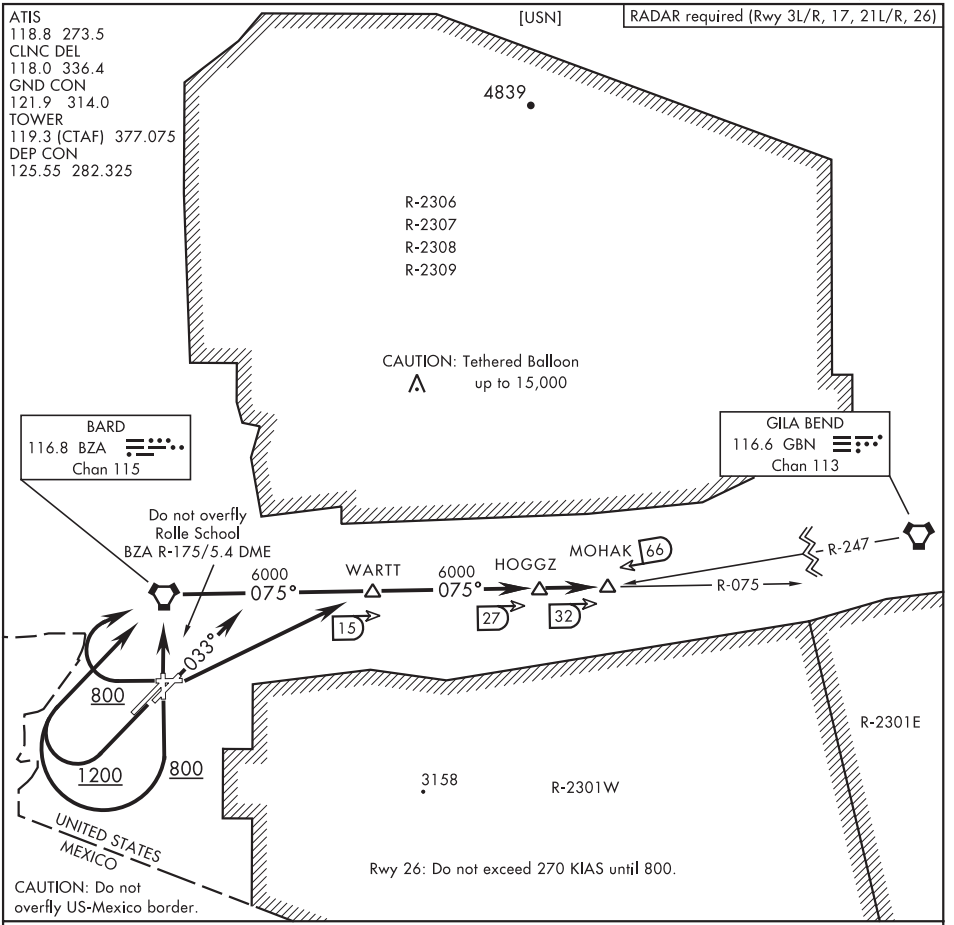
SW-4, 07 AUG 2025 to 02 OCT 2025

25107

YUMA MCAS/YUMA INTL (KNYL)

MOHAK FIVE DEPARTURE (MOHAK5.MOHAK)

YUMA, ARIZONA



SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R: Climb hdg 033°, then RADAR vectors to intercept BZA VORTAC R-075. Thence...

TAKEOFF RWY 8: Climbing left turn direct WARTT. Thence...

TAKEOFF RWY 17: Climb to 800, then climbing right turn direct BZA VORTAC. Thence...

TAKEOFF RWY 21L/R: Climb to 1200, then climbing right turn direct BZA VORTAC. Thence...

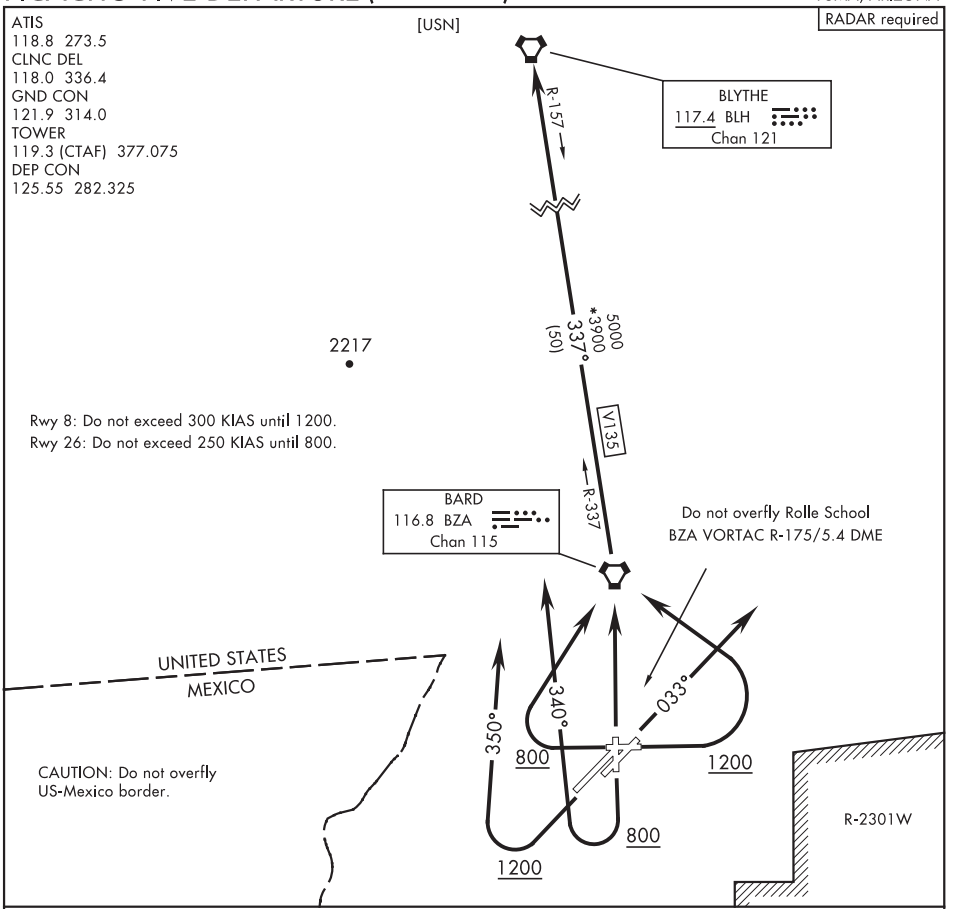
TAKEOFF RWY 26: Climb to 800, then climbing right turn direct BZA VORTAC. Do not exceed 270 KIAS until 800.

TAKEOFF RWY 35: Climb direct BZA VORTAC. Thence....

....via BZA R-075 to MOHAK INT via HOGGZ INT. Then via assigned route. Maintain assigned altitude. Expect clearance to filed altitude/flight level 10 minutes after departure.

MOHAK FIVE DEPARTURE (MOHAK5.MOHAK)

PICACHO FIVE DEPARTURE (PICA5.BLH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R: Climb on hdg 033°, then radar vectors to intercept BZA VORTAC R-337. Thence...

TAKEOFF RWY 8: Climb to 1200, then climbing left turn direct BZA VORTAC. Do not exceed 300 KIAS until 1200. Thence...

TAKEOFF RWY 17: Climb to 800, then climbing right turn hdg 340° to intercept BZA VORTAC R-337. Thence...

TAKEOFF RWY 21L/R: Climb to 1200, then climbing right turn hdg 350° to intercept BZA VORTAC R-337. Thence...

TAKEOFF RWY 26: Climb to 800, then climbing right turn direct BZA VORTAC. Do not exceed 250 KIAS until 800. Thence...

TAKEOFF RWY 35: Climb direct BZA VORTAC, thence...

...via BZA R-337 and BLH VORTAC R-157 to BLH, then via assigned route. Maintain assigned altitude. Expect clearance to filed altitude/flight level 10 minutes after departure.

SW-4, 07 AUG 2025 to 02 OCT 2025

INTENTIONALLY

LEFT

BLANK

SW-4, 07 AUG 2025 to 02 OCT 2025

SW-4, 07 AUG 2025 to 02 OCT 2025

INSIDE BACK COVER

INTENTIONALLY

LEFT

BLANK

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AREA OF COVERAGE

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NSN 7641015059600

NGA REF. NO. TERMXFAABTPPSW4
OK-10-2859

EFF. DATE 25219