

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<b><u>AIRPORT ID</u></b>	<b><u>PROCEDURE NAME</u></b>	<b><u>ORIGINAL/AMENDMENT</u></b>	<b><u>CITY</u></b>	<b><u>STATE</u></b>		
SLC	RNAV (GPS) Y RWY 16R	3	SALT LAKE CITY	UT		
<b><u>AIRPORT ELEVATION</u></b>	<b><u>TDZE</u></b>	<b><u>SUPERSEDED</u></b>	<b><u>ORIGINAL/AMENDMENT</u></b>	<b><u>DATED</u></b>	<b><u>MAG VAR</u></b>	<b><u>EPOCH YEAR</u></b>
4231	4226	RNAV (GPS) RWY 16R	2	11/30/2023	11E	2020
<b><u>FACILITY</u></b>	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b>	<b><u>REQUIRED EFFECTIVE DATE</u></b>	<b><u>CANCEL/SUSPEND</u></b>		
RNAV		20 FEBRUARY 2025	ROUTINE			

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
OGD VORTAC	IAF	RRUFF		TF	FB	1.00	139.55	5.50	9000
EKKHO	IAF	RRUFF		TF	FB	1.00	149.28	5.09	9000
WEBER	IAF	RRUFF		TF	FB	1.00	172.75	6.59	9000
RRUFF	IF	JICCU		TF	FB	1.00	163.92	4.44	8000
JICCU		BHIVE		TF	FB	1.00	163.93	5.74	7500
BHIVE		BNKER		TF	FB	1.00	163.93	4.67	6000
BNKER	FAF	RW16R	MAP	TF	FO	0.30	163.94	5.41	
RW16R	MAP	4700 MSL		CA			163.94		4700
4700 MSL		SLOPS		DF	FB	1.00			
SLOPS		STACO		TF	FO	1.00	251.95	8.06	8900

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW16R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 8900 DIRECT SLOPS AND ON TRACK 251.95 TO STACO AND HOLD, CONTINUE CLIMB-IN-HOLD.

\*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 225 FEET PER NM TO 6400 FOR CATEGORY E AIRCRAFT.

\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 210 FEET PER NM TO 6200 FOR CATEGORY E AIRCRAFT.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT RRUFF														
3.	FAC:	163.94	FAF:	BNKER	DIST FAF TO MAP:	5.41	DIST FAF TO THLD:	5.41							
4.	MIN ALT:	RRUFF 9000, JICCU 8000, BHIVE 7500, BNKER 6000													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.46	GS ANT:				
6.	MIN GP INCPT:	6000	GP ALT AT PFAF:	BNKER 6000					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	54.4							
8.	MSA FROM:	RW16R 12700													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 50°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OGD VORTAC AIRWAY RADIALS 068 CW 221.  
CHART NOTE: FOR INOPERATIVE 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 1 3/8 SM, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM, AND INCREASE LNAV CAT E VISIBILITY TO 2 1/2 SM.  
CHART NOTE: CAT E RESTRICTED TO USAF/USN AIRCRAFT.  
CHART SPEED ICON IN PLANVIEW AT EKKHO: MAX 250 KIAS.  
CHART SPEED ICON IN PLANVIEW AT RRUFF: MAX 230 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 071.32 INBOUND.  
FAS OBST: 4416 AAO 405148N/1115933W.  
CHART R-6412 A/B/C/D.  
CHART VDP AT 1.39 NM TO RW16R.  
WAAS CHANNEL # 42746  
REFERENCE PATH ID: W16A  
CHART MANDATORY 11000 AT EKKHO.  
CHART AT OR ABOVE 12000 AT WEBER.  
LTP HAE: 1270.3 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD



CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA*		NA			NA			NA			NA		4426	1800	200
LPV DA	4426	1800	200	4426	1800	200	4426	1800	200	4426	1800	200	4489	2000	263
LNAV/VNAV DA	4620	3500	394	4620	3500	394	4620	3500	394	4620	3500	394	4620	3500	394
LNAV MDA**		NA			NA			NA			NA		4740	5500	514
LNAV MDA	4740	2400	514	4740	2400	514	4740	5500	514	4740	5500	514	5000	1 3/4	774

CHANGES - REASONS

1. PROCEDURE NAME: CHANGED FROM RNAV (GPS) RWY 16R TO RNAV (GPS) Y RWY 16R - RNAV (RNP) Z DEVELOPED AT KSLC, NAMING IAW 8260.3E 1-6-2D(4).
2. TERMINAL ROUTES: ADDED INITIAL SEGMENTS EKKHO AND WEBER TO INTERMEDIATE RRUFF - TO ACCOMODATE TERMINUS POINTS ON NEWLY DEVELOPED STARS AT KSLC.
3. TERMINAL ROUTES: JICCU TO BHIVE DISTANCE CHANGED FROM 5.36 TO 5.74, BHIVE TO BNKER CHANGED FROM 5.11 TO 4.67, BNKER TO RW16R CHANGED FROM 5.34 TO 5.41 - NEW PLACEMENT OF PFAF BNKER TO ALIGN WITH ILS PROCEDURE UPDATED DESIGN TCH OF 54.4 AND TO UPDATE TO 3.00 GLIDESLOPE, FIX BHIVE TO ACCOMODATE FOR PFAF MOVEMENT.
4. TERMINAL ROUTES: CA ALTITUDE CHANGED FROM 4426 TO 4700 - REQUIRED FOR NEWLY DESIGNED MISSED APPROACH TURNING GREATER THAN 15 DEGREES TO FIRST FIX AFTER CODED MAP IAW 8260.58C 3-5-2A(2) AND MEMO/FLOWCHART.
5. TERMINAL ROUTES: MISSED APPROACH DF LEG CHANGED FROM FIX BAURT TO FIX SLOPS AND MISSED APPROACH TF LEG CHANGED FROM FFU VORTAC TO FIX STACO - NEW MISSED APPROACH PER ATC REQUEST TO MITIGATE SIMULTANEOUS OPERATIONS WITH PROCEDURE REDESIGN AT KSLC.
6. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 10000 DIRECT BAURT AND ON TRACK 164.26 TO FFU VORTAC AND HOLD" TO "CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 8900 DIRECT SLOPS AND ON TRACK 251.95 TO STACO AND HOLD, CONTINUE CLIMB-IN-HOLD", AND ADDED "\*\*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 225 FEET PER NM TO 6400 FOR CATEGORY E AIRCRAFT" AND "\*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 210 FEET PER NM TO 6200 FOR CATEGORY E AIRCRAFT" - NEW MISSED APPROACH, AND LPV AND LNAV CAT E AIRCRAFT CG/CGTA ADDED PER ATC/FPT.
7. PROFILE LINE 3: DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 5.34 TO 5.41 - FAF MOVED 430 FT NORTH FOR ALIGNMENT TO MATCH RWY 16R NEW DESIGN TCH.
8. PROFILE LINE 5: 200 HAT CHANGED FROM 0.47 TO 0.46 - DISTANCE ROUNDING UPDATED FROM 0.47 TO 0.46 (0.4647) 200 HAT TO THLD.
9. PROFILE LINE 7: GP ANGLE CHANGED FROM 3.04 TO 3.00 AND TCH CHANGED FROM 52.0 TO 54.4 - TCH UPDATED TO MATCH DESIGN TCH FOR RWY 16R AND GLIDEPATH ANGLE UPDATED TO STANDARD GPA IAW 8260.3E 2-6-3.
10. NOTES: BARO-VNAV CHART NOTE ABOVE DEGREES CHANGED FROM 46C TO 50C - 5 YEAR HISTORICAL WEATHER UPDATED TO 2019-2023 UTILIZED IN EVALUATION.
11. NOTES: INOPERATIVE ALS NOTE CHANGED FROM "FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, INCREASE LNAV/VNAV CAT E VISIBILITY TO RVR 6000, AND INCREASE LNAV CATS C/D/E VISIBILITY TO 1 3/8 SM" TO "FOR INOPERATIVE 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 1 3/8 SM, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM, AND INCREASE LNAV CAT E VISIBILITY TO 2 1/2 SM" - IAW 8260.3E TABLES 3-3-1, 3-3-3, AND 3-3-4, DOCUMENTED IAW 8260.19J 8-6-12O(3)(D).
12. NOTES: ADDED "CHART NOTE: CAT E RESTRICTED TO USAF/USN AIRCRAFT" - EQUIVALENT LEVEL OF SAFETY TO MITIGATE WAIVING SPEED RESTRICTIONS COMING OFF OF NEWLY DEVELOPED STARS FOR CAT E AIRCRAFT PER ATC/FPT.
13. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT EKKHO: MAX 250 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT RRUFF: MAX 230 KIAS" - REQUIRED FOR CAT E AIRCRAFT COMING OFF OF NEWLY DEVELOPED STARS INBOUND FROM FIXES WEBER AND EKKHO.
14. ADDITIONAL FLIGHT DATA: HOLDING DATA CHANGED FROM "HOLD S, RT, 340.00 INBOUND" TO "HOLD W, LT, 071.32 INBOUND" - NEW MISSED APPROACH PER ATC/FPT AT FIX STACO WITH LEFT HAND TURNS TO AVOID TERRAIN TO THE SOUTH.
15. ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM "4410 AAO 405145N/1120024W" TO "4416 AAO 405148N/1115933W" - UPDATED OBSTACLE EVALUATION RESULTS WITH 3ARCSEC TERRAIN DATA.
16. ADDITIONAL FLIGHT DATA: ADDED "CHART MANDATORY 11000 AT EKKHO" AND "CHART AT OR ABOVE 12000 AT WEBER" - REQUIRED FOR TERMINOUS POINTS COMING OFF OF NEWLY DESIGNED STARS FOR KSLC.
17. MINIMUMS: ADDED LPV DA\* AND LNAV MDA\* LINES OF MINIMA WITH CG/CGTA REQUIREMENTS - PER ATC/FPT REQUEST FOR LOWEST ACHIEVABLE MINIMUMS FOR USAF/USN CAT E AIRCRAFT.
18. FAS DATA BLOCK INFORMATION: TCH CHANGED FROM 00052.0 TO 00054.4, GPA CHANGED FROM 03.04 TO 03.00, CRC REMAINDER CHANGED FROM 5CDC9EC8 TO A1AC3C77 - TCH AND GPA UPDATED TO MATCH DESIGN TCH FOR RWY 16R AND GPA TO STANDARD.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZLC, SLC ATCT, UT AERO, AMGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by  
**ROBERT G HAMILTON**  
Jan 13, 2025

OFFICE

AJF

DATE

01/08/2025

DEVELOPED BY

RICHARD CHRISTENSEN

Digitally signed by  
**RICHARD E. CHRISTENSEN**  
Sep 30, 2024

OFFICE

AJV-A431

DATE

09/05/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by  
**ROBERT G HAMILTON**  
Jan 13, 2025

OFFICE

AJV-A431

DATE

TITLE  
MANAGER



AIRPORT ID  
SLC

PROCEDURE NAME  
RNAV (GPS) Y RWY 16R

ORIGINAL/AMENDMENT  
3

CITY  
SALT LAKE CITY

STATE  
UT

**FAS DATA BLOCK INFORMATION**

**DATA FIELD**

OPERATION TYPE  
SBAS SERVICE PROVIDER IDENTIFIER  
AIRPORT IDENTIFIER  
RUNWAY  
APPROACH PERFORMANCE DESIGNATOR  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR  
REFERENCE PATH IDENTIFIER (APPROACH ID)  
LTP/FTP LATITUDE  
LTP/FTP LONGITUDE  
LTP/FTP ELLIPSOIDAL HEIGHT  
FPAP LATITUDE  
FPAP LONGITUDE  
THRESHOLD CROSSING HEIGHT (TCH)  
TCH UNITS SELECTOR (METERS OR FEET USED)  
GLIDEPATH ANGLE (GPA)  
COURSE WIDTH AT THRESHOLD  
LENGTH OFFSET  
HORIZONTAL ALERT LIMIT (HAL)  
VERTICAL ALERT LIMIT (VAL)

**DATA**

0  
0  
KSLC  
RW16R  
0  
Y  
0  
W16A  
404828.0035N  
1115957.4280W  
+12703  
404629.8925N  
1115943.6885W  
00054.4  
F  
03.00  
106.75  
0000  
40.0  
35.0

CRC REMAINDER

A1AC3C77

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE  
LTP ORTHOMETRIC HEIGHT  
FPAP ORTHOMETRIC HEIGHT

K2  
+12873  
+12873

