

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.

<u>AIRPORT</u> LAUGHLIN/BULLHEAD INTL	<u>AIRPORT ID</u> KIFP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> BULLHEAD CITY	<u>STATE</u> AZ	
<u>AIRPORT ELEVATION</u> 707	<u>TDZE</u> 646	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
GFS VORTAC		LAKIY		TF	FO	2.00	038.54	32.60	8000
EED VORTAC		LAKIY		TF	FO	2.00	335.73	43.53	8000
IGM VOR/DME		LAKIY		TF	FO	2.00	278.06	38.02	8100
LYNSY	IAF	LAKIY	NOPT	TF	FB	1.00	145.52	11.97	6600
LAKIY	IF/IAF	MEBDE		TF	FB	1.00	144.29	11.26	3300
MEBDE	FAF	RW16	MAP	TF	FO	0.30	164.45	8.25	
RW16	MAP	1107 MSL		CA			164.45		
1107 MSL		CALRA		DF	FO	1.00			6300

MISSED APPROACH

MAP:

LP: RW16
 LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6300 DIRECT CALRA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6300.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW LAKIY, RT, 144.29 INBOUND, 6600 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 164.45

FAF: MEBDE

DIST FAF TO MAP: 8.25

DIST FAF TO THLD: 8.25

4. MIN ALT: LAKIY 6600, MEBDE 3300

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: RW16 8400

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GFS VORTAC AIRWAY RADIALS 308 CW 054.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON EED VORTAC AIRWAY RADIALS 257 CW 026.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
MEBDE TO RW16: 3.00/46.
CHART VDP AT 3.68 NM TO RW16
WAAS CHANNEL #82624
REFERENCE PATH ID: W16A
FAS OBST: 1415 AAO 351656N/1143308W, 1400 AAO 351739N/1143325W.
1440 AAO 351747N/1143308W.
HOLD S, LT, 344.47 INBOUND
LTP HAE: 160.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT A, B 1300-2, CAT C 1300-3, CAT D 1700-3

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
LP MDA	1860	1 1/4	1214	1860	1 1/2	1214	1860	3	1214	1860	3	1214			
LNAV MDA	1860	1 1/4	1214	1860	1 1/2	1214	1860	3	1214	1860	3	1214			
CIRCLING	1860	1 1/4	1153	1860	1 1/2	1153	1860	3	1153	2340	3	1633			



CHANGES - REASONS

- 1. CHANGED LP AND LNAV HAT FROM 1213 TO 1214 - TDZE CHANGED FROM 647 TO 646.
- 2. CHANGED CAT A-C CIRCLING HAA FROM 1159 TO 1153 - AIRPORT ELEVATION CHANGED FROM 701 TO 707.
- 3. CHANGED CAT D CIRCLING MDA/HAA FROM 1860/1159 TO 2340/1633 - NEW CIRCLING AREA ADDED TO MATCH RNAV GPS RWY 34.
- 4. ADDED CIRCLING ICON - TO MATCH PUBLISHED CIRCLING ON RNAV GPS RWY 34.
- 5. ADDED VDP AT 3.68 NM TO RW16 - 20:1 VISUAL SURFACE IS CLEAR.
- 6. CHANGED RWY 16 HELICOPTER VISIBILITY FROM 1 SM TO 3/4 SM - 20:1 VISUAL SURFACE IS CLEAR.
- 7. CHANGED MISSED APPROACH CA ALTITUDE FROM 1101 TO 1107 - AIRPORT ELEVATION CHANGED FROM 701 TO 707.
- 8. REPLACED DME/DME RNP-0.3 NA WITH PBN REQUIREMENTS NOTE: RNP APCH - 8260.58A TABLE 1-2-1.
- 9. ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - VDA ADDED.
- 10. ADDED VDA: MEBDE TO RW16: 3.00/46 - OBSTACLE DATA BASE UPDATED.
- 11. MOVED BACK-UP ALTIMETER SETTING NOT TO -9 AS A CONTINGENCY NOTE - LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE.
- 12. CHANGED ALTERNATE MINIMUMS, CAT A, B FROM 1200-2 TO 1300-2, CAT C FROM 1200-3 TO 1300-3, CAT D FROM 1200-3 TO 1700-3 AND REMOVED NA NOTE - NEW HIGHER CIRCLING MINS AND LOCAL WEATHER TRANSMITS ON WMSCR.
- 13. CHANGED CRC REMAINDER FROM DC2F4477 TO 78649968 - LTP/FTP ELLIPSOIDAL AND ORTHOMETRCI HEIGHTS CHANGED, LTP/FPAP LAT/LONG COORDINATES UPDATED, LENGTH OFFSET CHANGED.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZLA, LAS APP, IFP ATCT, AMGR, AZ AERO, NV AERO, ATA

<u>FLIGHT CHECKED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
CHRISTOPHER D FORMAN	DAVID DANNER	FICO	09/25/2018	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
LEO PALMER	LEO PALMER	AJV-5423	08/21/2018	
<u>APPROVED BY</u>	Sep 10, 2018	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JULIE MORGAN	<i>Digitally signed by</i>	AJV-5420		MANAGER
	DAVID DANNER			
	Sep 27, 2018			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIFP
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	350958.5645N
LTP/FTP LONGITUDE	1143336.7565W
LTP/FTP ELLIPSOIDAL HEIGHT	+01607
FPAP LATITUDE	350829.4935N
FPAP LONGITUDE	1143330.0475W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	78649968

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01907
FPAP ORTHOMETRIC HEIGHT	+01907

