

**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> KERRVILLE MUNI/LOUIS SCHREINER FIELD	<u>AIRPORT ID</u> KERV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> KERRVILLE	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 1617	<u>TDZE</u> 1586	<u>SUPERSEDED</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 034/30 CW 214/30	NOPT	OBUCO	IF/IAF	4000
2. 214/30 CW 034/30		OBUCO	IF/IAF	4100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OBUCO	IF/IAF	LAVIC		TF	FB	1.00	124.44	7.00	3300
LAVIC	FAF	HALOL/2.80 NM TO RW12		TF	FB	0.30	124.49	2.49	
HALOL/2.80 NM TO RW12		RW12	MAP	TF	FO	0.30	124.49	2.80	
RW12	MAP	1836 MSL		CA			124.49		
1836 MSL		DIYER		DF	FO	1.00			4100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4100 DIRECT DIYER AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW OBUCO, RT, 124.44 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 124.49 FAF: LAVIC DIST FAF TO MAP: 5.29 DIST FAF TO THLD: 5.29
4. MIN ALT: OBUCO 4000, LAVIC 3300, HALOL/2.80 NM TO RW12 2500*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.69 GS ANT: MM: IM:
6. MIN GP INCPT: 3300 GP ALT AT FAF : LAVIC 3300 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.33 NM TO RW12*
*LNAV ONLY
WAAS CHANNEL #45628
REFERENCE PATH ID: W12A
CHART FAS OBST: 1786 TANK 300005N/0990753W.
CHART: 2020 WATER_TOWER 300020N/0990821W.
HOLD SE, RT, 304.61 INBOUND
LTP HAE: 457.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1836	1	250	1836	1	250	1836	1	250	1836	1	250			
LNAV/VNAV DA	1936	1 1/8	350	1936	1 1/8	350	1936	1 1/8	350	1936	1 1/8	350			
LNAV MDA	2040	1	454	2040	1	454	2040	1 3/8	454	2040	1 3/8	454			
CIRCLING	2320	1	703	2340	1	723	2380	2 1/4	763	2540	3	923			



CHANGES - REASONS

- AMDT 1A
- 1. CHANGED THRE 1576 TO TDZE 1586 - REVISED CRITERIA.
 - 2. RAISED LPV DA ALL CATS FROM 1826 TO 1836, LNAV/VNAV DA ALL CATS FROM 1926 TO 1936 AND LNAV ALL CATS 404 HATH TO 414 HAT - CHANGED THRE TO TDZE.
 - 3. ADDED NOTE 'RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED' AND DELETED NOTE 'VISIBILITY REDUCTION BY HELICOPTERS NA' - REVISED CRITERIA.
 - 4. ADDED NOTE 'RWY 3, 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED' - PER 8260.19G 8-6-5 (I)(3).
- AMDT 1B
- 1. ADDED PBN REQUIREMENT NOTE: RNP APPROACH - PER 8260.19H, PARA. 8-6-8B(1).
 - 2. REMOVED NOTE 'BARO-VNAV NA WHEN USING GILLESPIE COUNTY ALTIMETER SETTING' - MOVED TO FORM 8260.9 REMARKS AS A CONTINGENCY NOTE; 'VDP' ADDED TO NOTE.
 - 3. CHANGED NOTE FROM 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) TO 34C (93F)' TO 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C TO 54C' - PER 8260.19H, PARA. 8-6-9S.
 - 4. REMOVED NOTE "DME/DME RNP-0.3 NA" - PER 8260.19H, PARA. 1-1-5F(14).
 - 5. REMOVED NOTES 'WHEN VGSI INOP PROCEDURE NA AT NIGHT', 'WHEN VGSI INOP CIRCLING RWY 3/21 NA AT NIGHT', AND 'RWY 3, 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA' - ALL PREVIOUS 20:1 STRAIGHT-IN AND CIRCLING PENETRATIONS REMOVED AND/OR LIGHTED (SEE CHANGES/REASONS FOR LOC RWY 30, AMDT 5).
 - 6. REMOVED BACK UP ALTIMETER NOTE - MOVED TO FORM 8260-9 REMARKS AS A CONTINGENCY NOTE PER 8260.19H CH. 8 PARA. 8-6-9F(3).
 - 7. REMOVED PROFILE NOTE 'VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 40)' - VGSI AND RNAV GLIDEPATH ARE NOW COINCIDENT.
 - 8. ADDED VDP AT 1.33 NM TO RW12* - ALL 20:1 PENETRATIONS REMOVED.
 - 9. RAISED LNAV MDA/HAT FROM 1980/414 TO 2040/454 AND CAT C/D VISIBILITY FROM 1 1/18 SM TO 1 3/8 SM - NEW CONTROLLING OBSTACLE 1786 TANK.
 - 10. CHANGED TERMINAL ROUTE 'HALO/2.80 NM TO RW12 COURSE FROM 124.51 TO 124.49 - DOCUMENTATION ERROR.
 - 11. RAISED CIRCLING CAT D MDA/HAA FROM 2380/763 TO 2540/923 AND VISIBILITY FROM 2 1/2 SM TO 3 SM - NEW CONTROLLING OBSTACLE AND TO MATCH UPDATED AND FLIGHT CHECKED LOC RWY 30 CIRCLING.
 - 12. ADDED CIRCLING ICON - UPDATED AND FLIGHT CHECKED LOC RWY 30 CIRCLING APPLIED TO ALL KERV SIAPS.
 - 13. FAS DATA: LTP LAT/LONG CHANGED FROM 295838.1745N/0990524.8555W TO 295838.1985N/0990524.8940W - PER AIRNAV DATA PULL.
 - 14. FAS DATA: CHANGED FPAP LAT/LONG FROM 295740.1200N/0990406.9000W TO 295740.1520N/0990406.9305W - RESULT FROM CHANGE IN LTP LAT/LONG.
 - 15. FAS DATA: CRC REMAINDER CHANGED FROM 1B962758 TO 460853A6 - RESULT OF COORDINATES CHANGES LISTED ABOVE.
 - 16. LINE 2: ADDED MAX 6000 - REVISED CRITERIA.
 - 17. CHANGE LINE 7 FROM 34:1 IS NOT CLEAR TO 34:1 IS CLEAR AND ADDED 20:1 IS CLEAR - ALL 34:1 AND 20:1 PENETRATIONS REMOVED.
 - 18. FAS OBST CHANGED FROM 1726 TANK 295900N/0990526W TO 1786 TANK 300005N/0990753W - REVISED OBSTACLE DATA.
 - 19. CHANGED 7:1 OBSTACLE FROM 1916 TREE 300021N/0990820W TO 2020 WATER TOWER 300020N/0990821W - REVISED OBSTACLE DATA.
 - 20. CHANGED ALTERNATE MINIMUMS FROM 'STANDARD EXCEPT CAT C 800-2 1/4, CAT D 800 2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE' TO 'STANDARD EXCEPT CAT C 800-2 1/4, CAT D 800 -3, NA WHEN LOCAL WEATHER NOT AVAILABLE' - CAT D HAA INCREASE.
 - 21. REMOVED NOTE RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED - ALL 34:1 PENETRATIONS REMOVED.
 - 22. CHANGED TERMINAL ROUTE FROM 'RW12 TO 1826 MSL' TO 'RW12 TO 1836 MSL' AND COURSE FROM 124.51 TO 124.49 - MSL ELEVATION CHANGE DUE TO THRE TO TDZE CHANGE AND COURSE CHANGE DOCUMENTATION ERROR.
 - 23. CHANGED TERMINAL ROUTE FROM '1826 TO DIYER' TO '1836 MSL TO DIYER' - THRE TO TDZE CHANGE.
 - 24. CHANGED 250 HAT DISTANCE FROM 0.66 TO 0.69 - THRE TO TDZE CHANGE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAL** ☐ **NBAA** ☒ **OTHER:** ZHU, ARPT MGR

<u>FLIGHT CHECKED BY</u> MATTHEW OLSTAD	<i>Digitally signed by</i> ALLAN WILL Nov 25, 2019	<u>OFFICE</u> FIOG	<u>DATE</u> 11/18/2019	
<u>DEVELOPED BY</u> RALPH DUMAR	<i>Digitally signed by</i> RALPH DUMAR Oct 21, 2019	<u>OFFICE</u> AJV-5422	<u>DATE</u> 09/26/2019	
<u>APPROVED BY</u> MARLON ROBINSON	<i>Digitally signed by</i> HEIDI SNIDER Oct 23, 2019	<u>OFFICE</u> AJV-5420	<u>DATE</u>	<u>TITLE</u> MANAGER



AIRPORTKERRVILLE MUNI/LOUIS SCHREINER
FIELDAIRPORT ID

KERV

PROCEDURE NAME

RNAV (GPS) RWY 12

ORIGINAL/AMENDMENT

1B

CITY

KERRVILLE

STATE

TX

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KERV
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	295838.1985N
LTP/FTP LONGITUDE	0990524.8940W
LTP/FTP ELLIPSOIDAL HEIGHT	+04579
FPAP LATITUDE	295740.1520N
FPAP LONGITUDE	0990406.9305W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	460853A6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+04804
FPAP ORTHOMETRIC HEIGHT	+04804

