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.

AIRPORT ID PROCEDURE NAME OWP

ORIGINAL/AMENDMENT

CITY

STATE

AIRPORT ELEVATION

RNAV (GPS) RWY 35

ORIGINAL/AMENDMENT

SAND SPRINGS **DATED**

OK

892

TDZE SUPERSEDED 892

ORIG-A

02/28/2019

MAG VAR 2E

EPOCH YEAR 2025

FACILITY

RNAV (GPS) RWY 35

ACTUAL EFFECTIVE DATE

REQUIRED EFFECTIVE DATE

CANCEL/SUSPEND

RNAV

COORDINATES OF FACILITIES

26 DECEMBER 2024

ROUTINE

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 24-25.

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	ALTITUDE
TUL VORTAC		CENTO		TF	FB	1.00	221.86	17.04	3000
SEARS		DARRO		TF	FB	1.00	137.67	11.06	3000
OKM VOR/DME	IAF	ACERT	NOPT	TF	FB	1.00	321.34	21.77	2800
CENTO	IAF	ACERT	NOPT	TF	FB	1.00	263.46	5.00	2800
DARRO	IAF	ACERT	NOPT	TF	FB	1.00	083.34	5.00	2800
ACERT	IF/IAF	FANCY		TF	FB	1.00	353.40	6.40	2400
FANCY	FAF	PENNN/2.72 NM TO RW35		TF	FB	0.30	353.40	1.88	
PENNN/2.72 NM TO RW35		RW35	MAP	TF	FO	0.30	353.40	2.72	
RW35	MAP	1142 MSL		CA			353.39		
1142 MSL		WEDAX		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LPV: DA LNAV/VNAV: DA LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 DIRECT WEDAX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
OWP RNAV (GPS) RWY 35 1 SAND SPRINGS OK

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD S ACERT, RT, 353.40 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.

4. MIN ALT: ACERT 2800, FANCY 2400, PENNN/2.72 NM TO RW35 1800

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.65 GS ANT:

6. MIN GP INCPT: 2400 GP ALT AT PFAF: FANCY 2400 OM: MM: IM:

7. GP ANGLE: 3.00 **34:1**: IS NOT CLEAR **20:1**: IS CLEAR **TCH**: 45.0

8. MSA FROM: RW35 3600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TUL VORTAC AIRWAY RADIALS 222 CW 238.

CHART NOTE: CIRCLING NA FOR CAT C EAST OF RWY 17-35.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.

CHART NOTE: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUL ALTIMETER SETTING AND INCREASE LPV DA TO 1209 FEET, INCREASE LNAV/VNAV DA TO 1244 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/4 SM.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TUL ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 173.37 INBOUND.

CHART FAS OBST: 1019 TREE 360936N/0960939W.

CHART VDP AT 1.12 NM TO RW35.

WAAS CHANNEL # 57912 REFERENCE PATH ID: W35A

LTP HAE: 242.6 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	Α			В			С			D			E		
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LPV DA	1142	3/4	250	1142	3/4	250	1142	3/4	250		NA				
LNAV/VNAV DA	1177	3/4	285	1177	3/4	285	1177	3/4	285		NA				
LNAV MDA	1280	3/4	388	1280	3/4	388	1280	1	388		NA				
CIRCLING	1380	1	488	1380	1	488	1400	1 1/2	508		NA				

AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE **OWP** RNAV (GPS) RWY 35 SAND SPRINGS OK **CHANGES - REASONS**

- TERMINAL ROUTES ALL COURSES CHANGED BY 4 DEGREES AIRPORT MAGVAR UPDATED FROM 6E/1985 TO 2E/2025
- 2. TERMINAL ROUTES ACERT TO FANCY DISTANCE CHANGE FROM 6.46 TO 6.40 UPDATED TARGETS EVALUATION
- 3. TERMINAL ROUTES FANCY TO PENNN DISTANCE CHANGE FROM 1.94 TO 1.88 FAF MOVED DUE TO TARGETS EVALUATION AND STEPDOWN FIX PENNN MOVED AT FPT/ATC REQUEST
- 4. TERMINAL ROUTES PENNN TO RW35 DISTANCE CHANGE FROM 2.60 TO 2.72 PENNN MOVED AT FPT/ATC REQUEST
- 5. TERMINAL ROUTES 35RW TO 1202 UPDATED TO 35RW TO 1142 NEW CONTROLLING OBSTACLE
- PROFILE LINE TWO HOLDING CHANGED FROM 349.40 TO 353.40 AIRPORT MAGVAR UPDATED FROM 6E/1985 TO 2E/2025.
- 7. PROFILE LINE 3 FAC CHANGED FROM 349.39 TO 353.40 AIRPORT MAGVAR UPDATED FROM 6E/1985 TO 2E/2025.
- 8. PROFILE LINE 3 DIST FAF TO MAP/THLD CHANGED FROM 4.54 TO 4.60 UPDATED TARGETS EVALUATION
- 9. PROFILE LINE 4 MIN ALT CHANGED FROM ACERT 2800, FANCY 2400, PENNN/2.60 NM TO RW35 1760* TO ACERT 2800, FANCY 2400, PENNN/2.72 NM TO RW35 1800 PENNN LOCATION AND CROSSING ALTITUDE CHANGED AT FPT/ATC REQUEST, * IS NO LONGER REQUIRED
- 10. PROFILE LINE 5 CHANGED FROM 310 HAT: 0.84 TO 250 HAT: 0.65 NEW FINAL CONTROLLING OBSTACLE
- 11. PROFILE LINE 6 GP ALT AT PFAF CHANGED FROM FANCY TO FANCY 2400 UPDATED FORMATTING
- 12. PROFILE LINE 7 20:1 CHANGED FROM IS NOT CLEAR TO IS CLEAR 20:1 PENETRATIONS REMOVED
- 13. PBN REQUIREMENT NOTE RNP APCH CHANGED TO RNP APCH GPS IAW 8260.19I, PARA 8-6-8B(2)
- 14. NOTES CHANGED NOTE FROM "RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19J PARA 8-6-12K(2)
- 15. NOTES REMOVED *LNAV ONLY NO LONGER REQUIRED
- 16. NOTES ADDED NOTE "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUL ALTIMETER SETTING AND INCREASE LPV DA TO 1209 FEET; INCREASE LNAV/VNAV DA TO 1244 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/4 SM" - FPT/ATC REQUEST NOTE TO BE MOVED FROM THE -9 TO THE NOTES
- SECTION
- 17. NOTES REMOVED NOTE "PROCEDURE NA AT NIGHT" 20:1 PENETRATIONS REMOVED
- 18. NOTES CHANGED NOTE FROM "INOPERATIVE TABLE DOES NOT APPLY" TO "INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS" IAW 8260.19I 8-6-11 O(3).
- 19. ADDITIONAL FLIGHT DATA REMOVED CHART CIRCLING ICON FROM ADDITONAL FLIGHT DATA NO LONGER NEEDED
- 20. ADDITIONAL FLIGHT DATA CHANGED HOLDING FROM 169.38 TO 173.37 AIRPORT MAGVAR UPDATED FROM 6E/1985 TO 2E/2025
- 21. ADDITIONAL FLIGHT DATA FAS OBST CHANGED FROM 984 TREE 360911N/0960909W TO 1019 TREE 360936N/0960939W UPDATED TARGETS EVALUATION
- 22. ADDITIONAL FLIGHT DATA ADDED CHART VDP AT 1.12 NM TO RW35 20:1 OBSTACLES REMOVED
- 23. MINIMUMS/ALTERNATE CHANGED FROM STANDARD TO STANDARD NA WHEN LOCAL WEATHER NOT AVAILABLE IAW 8260.19I, PARA 8-6-11B(5)
- 24. MINIMUMS LPV VIS CHANGED FROM 1 TO 3/4 IAW 8260.3E TABLE 3-3-1
- 25. MINIMUMS LPV DA/HAT CHANGED FROM 1202/310 TO 1142/250 NEW CONTROLLING OBSTACLE
- 26. MINIMUMS LNAV/VNAV VIS CHANGED FROM 1 1/2 TO 1 1/8 IAW 8260.3E TABLE 3-3-1
- 27. MINIMUMS LNAV/VNAV DA/HAT CHANGED FROM 1317/425 TO 1177/285 NEW CONTROLLING OBSTACLE
- 28. MINIMUMS LNAV CAT A AND B VIS CHANGED FROM 1 TO 3/4 IAW 8260.3E TABLE 3-3-1
- 29. MINIMUMS LNAV MDA/HAA CHANGED FROM 1240/348 TO 1280/388 NEW CONTROLLING OBSTACLE
- 30. MINIMUMS CIRCLING CAT A/B MDA/HAA CHANGED FROM 1140/548 TO 1380/488 NEW CONTROLLING OBSTACLE
- 31. MINIMUMS CIRCLING CAT C MDA/HAA CHANGED FROM 1440/348 TO 1400/508 NEW CONTROLLING OBSTACLE
- 32. FAS DATA CRC REMAINER CHANGED FROM "52B53758" TO "5B04AE55" FPAP CHANGED FROM "361131.3560N/ 0960912.6265W" TO "361131.3570N/ 0960912.6170W"

10/21/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/02/2024.

JOSEPH L ZEDER

Oct 02, 2024

1. TERMINAL ROUTES - COURSE FROM DARRO TO ACERT CHANGED FROM 079.34 TO 083.34 - AIRPORT MAGVAR UPDATED FROM 6E/1985 TO 2E/2025

COORDINATED WITH:

APPROVED BY

BEV L BORDY

ALPA X AOPA X NBAA X OTHER: ZKC, TUL APP CON, AMGR <u>APA</u> Digitally signed by DATE FLIGHT CHECKED BY **OFFICE** JOSEPH L ZEDER FPO HANNAH WIESNESKI 10/01/2024 Oct 02, 2024 Digitally signed by **OFFICE** DEVELOPED BY DATE JOSEPH A BLANCO JOSEPH BLANCO AJV-A432 Aug 14, 2024 Digitally signed by

FAA Form 8260-3 (11/16) Supersedes Previous Edition

OFFICE

AJV-A430

DATE

TITLE

MANAGER

AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE **OWP** RNAV (GPS) RWY 35 SAND SPRINGS OK

FAS DATA BLOCK INFORMATION

DATA FIELD DATA OPERATION TYPE 0 **SBAS SERVICE PROVIDER IDENTIFIER** 0 AIRPORT IDENTIFIER **KOWP RUNWAY** RW35 APPROACH PERFORMANCE DESIGNATOR 0 **ROUTE INDICATOR** REFERENCE PATH DATA SELECTOR 0 REFERENCE PATH IDENTIFIER (APPROACH ID) W35A 361002.4185N LTP/FTP LATITUDE LTP/FTP LONGITUDE 0960903.7825W LTP/FTP ELLIPSOIDAL HEIGHT +02426 FPAP LATITUDE 361131.3570N **FPAP LONGITUDE** 0960912.6170W THRESHOLD CROSSING HEIGHT (TCH) 00045.0 TCH UNITS SELECTOR (METERS OR FEET USED) F **GLIDEPATH ANGLE (GPA)** 03.00 **COURSE WIDTH AT THRESHOLD** 106.75 **LENGTH OFFSET** 0984 HORIZONTAL ALERT LIMIT (HAL) 40.0 **VERTICAL ALERT LIMIT (VAL)** 50.0

5B04AE55 **CRC REMAINDER**

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4 LTP ORTHOMETRIC HEIGHT +02713 **FPAP ORTHOMETRIC HEIGHT** +02713

