

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 ID</u> GYI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18L	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SHERMAN/DENISON	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 749	<u>TDZE</u> 741	<u>SUPERSEDED</u> RNAV (GPS) RWY 17L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 08/15/2019
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 3E
				<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ADM VORTAC		ZUNUV		TF	FB	1.00	120.41	23.11	3600
BYP VORTAC		GEYEG		TF	FO	1.00	314.88	32.06	3000
ZUNUV	IAF	GEYEG	NOPT	TF	FB	1.00	120.62	7.00	3000
GEYEG	IF/IAF	HIGIR		TF	FB	1.00	178.78	6.14	2800
HIGIR	FAF	CEKOK/1.70 NM TO RW18L		TF	FB	0.30	178.78	4.59	
CEKOK/1.70 NM TO RW18L		RW18L	MAP	TF	FO	0.30	178.78	1.70	
RW18L	MAP	941 MSL		CA			178.78		
941 MSL		SERYO		DF	FO	1.00			3000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW18L

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3000 DIRECT SERYO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD N GEYEG, LT, 178.78 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

FAC: 178.78

FAF: HIGIR

DIST FAF TO MAP: 6.29

DIST FAF TO THLD: 6.29
3. MIN ALT: GEYEG 3000, HIGIR 2800, CEKOK/1.70 NM TO RW18L 1320

MIN GP INCPT: 2800

GP ALT AT PFAF: HIGIR 2800

150 HAT:

200 HAT: 0.45

GS ANT:
5. DIST TO THLD FROM OM:

MM:

IM:

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.4
8. MSA FROM: RW18L 3800



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING RWY 18R, 36L NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ADM VORTAC AIRWAY RADIALS 030 CW 125.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BYP VORTAC AIRWAY RADIALS 264 CW 305.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 358.78 INBOUND.
CHART FAS OBST: 942 POLE (48-012077) 334522N/0963951W.
WAAS CHANNEL # 86528
REFERENCE PATH ID: W18A
CHART CIRCLING ICON.
LTP HAE: 199.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD; STANDARD - CAT D 800-2 1/2, 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	941	1/2	200	941	1/2	200	941	1/2	200	941	1/2	200			
LNAV/VNAV DA	1015	1/2	274	1015	1/2	274	1015	1/2	274	1015	1/2	274			
LNAV MDA	1200	1/2	459	1200	1/2	459	1200	7/8	459	1200	7/8	459			
CIRCLING	1300	1	551	1300	1	551	1400	1 3/4	651	1540	2 1/2	791			



CHANGES - REASONS

1. PROCEDURE NAME CHANGED FROM "RNAV (GPS) RWY 17L" TO "RNAV (GPS) RWY 18L" - MAGVAR ROTATED AND RUNWAY NUMBERS UPDATED.
2. TERMINAL ROUTES: ADM VORTAC TO ZUNUV COURSE CHANGED FROM "117.41" TO "120.41" - MAGVAR ROTATED.
3. TERMINAL ROUTES: BYP VORTAC TO GEYEG COURSE CHANGED FROM "311.88" TO "314.88" - MAGVAR ROTATED.
4. TERMINAL ROUTES: ZUNUV TO GEYEG COURSE CHANGED FROM "117.62" TO "120.62" - MAGVAR ROTATED.
5. TERMINAL ROUTES: GEYEG TO HIGIR COURSE CHANGED FROM "175.78" TO "178.78" AND THE DISTANCE CHANGED FROM "6.10" TO "6.14" - MAGVAR ROTATED AND NEW EVALUTATION PERFORMED.
6. TERMINAL ROUTES: HIGIR TO CEKOK/1.70 NM TO RW18L COURSE CHANGED FROM "175.78" TO "178.78" AND THE DISTANCE CHANGED FROM "4.63" TO "4.59" - MAGVAR ROTATED, UPDATED RUNWAY NUMBER AND NEW EVALUTATION PERFORMED.
7. TERMINAL ROUTES: CEKOK/1.70 NM TO RW18L TO RWY 18L COURSE CHANGED FROM "175.78" TO "178.78" - MAGVAR ROTATED, RUNWAY NUMBER UPDATED AND NEW EVALUTATION PERFORMED.
8. TERMINAL ROUTES: RWY 18L TO 941 MSL COURSE CHANGED FROM "175.78" TO "178.78" - MAGVAR ROTATED AND RUNWAY NUMBER UPDATED.
9. MISSED APPROACH: LNAV MAP CHANGED FROM "RWY17L" TO "RWY18L" - MAGVAR ROTATED AND RUNWAY NUMBERS UPDATED.
10. PROFILE LINE 2: COURSE CHANGED FROM "HOLD N GEYEG, LT, 175.78 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000" TO "HOLD N GEYEG, LT, 178.78 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000" - MAGVAR ROTATED.
11. PROFILE LINE 3: FAC CHANGED FROM "175.78" TO "178.78"- MAGVAR ROTATED.
12. PROFILE LINE 3: DIST FAF MAP CHANGED FROM "6.33" TO "6.29" AND DIST FAF TO THLD CHANGED FROM "6.33" TO "6.29" - MAGVAR ROTATED AND NEW EVALUATUON PERFORMED.
13. PROFILE LINE 4: REMOVED * FROM "CEKOK/1.70 NM TO RW18L 1320*" - IAW 8260.19I.
14. PROFILE LINE 7: TCH CHANGED FROM "43.0" TO "54.4" - FPT REQUEST TO MATCH THE DESIGN TCH.
15. PROFILE LINE 8: MSA CHANGED FROM "RW17L 3800" TO "RW18L 3800" - MAGVAR ROTATED AND RUNWAY NUMBERS UPDATED.
16. PBN REQUIREMENT NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I.
17. NOTES: CHANGED "CHART NOTE: CIRCLING RWY 13, 17R, 31, 35L NA AT NIGHT" TO "CHART NOTE: CIRCLING RWY 18R, 36L NA AT NIGHT" RWY 13/31 CLOSED AND RUNWAY NUMBERS UPDATED WITH MAGVAR ROTATION.
18. NOTES: CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C" - NEW NOAA WEATHER DATA USED TO ACQUIRE NEW ACT VALUE IAW 8260.58C.
18. NOTES: REMOVED ""LNAV ONLY" - IAW 8260.19I.
19. NOTES: CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BYP VORTAC AIRWAY RADIALS 264 CW 010" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BYP VORTAC AIRWAY RADIALS 264 CW 305 - RADIAL 010 NO LONGER EXISTS ON BYP VORTAC.
20. ADDITIONAL FLIGHT DATA: CHANGED "REFERENCE PATH ID: W17A" TO "REFERENCE PATH ID: W18A" - RUNWAY NUMBERS UPDATED WITH MAGVAR ROTATION.
21. ADDITIONAL FLIGHT DATA: HOLDING PATTERN CHANGED FROM "HOLD S, RT, 355.78 INBOUND" TO "HOLD S, RT, 358.78 INBOUND" - MAGVAR ROTATION.
22. FAS DATA BLOCK INFORMATION: RUNWAY CHANGED FROM "17L" TO "18L" - MAGVAR ROTATED AND RUNWAY NUMBERS UPDATED.
23. FAS DATA BLOCK INFORMATION: REFERENCE PATH IDENTIFIER CHANGED FROM "W17A" TO "W18A" - RUNWAY NUMBERS UPDATED WITH MAGVAR ROTATION.
24. FAS DATA BLOCK INFORMATION: FPAP LATITUDE CHANGED FROM "334205.5200N" TO "334205.5205N" - NEW EVALUATION PERFORMED.
25. FAS DATA BLOCK INFORMATION: FPAP LONGITUDE CHANGED FROM "0964024.5600W" TO "0964024.5590W" - NEW EVALUATION PERFORMED.
26. FAS DATA BLOCK INFORMATION: TCH CHANGED FROM "00043.0" TO "00055.4" - FPT REQUEST TO MATCH DESIGN TCH.
27. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM "85181F83" TO "5CCD189F" - NEW EVALUATION PERFORMED.
28. PROFILE LINE 5: ADDED "200 HAT: 0.45" - IAW 8260.19I.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZFW, AMGR, ST AVIATION DIR

FLIGHT CHECKED BY

JEFFREY J SCORSE

Digitally signed by

RAKE MCGRAW

Feb 08, 2024

OFFICE

FPO

DATE

02/06/2024

DEVELOPED BY

JOHN BORDY (BRITNEY ARMENTROUT)

Digitally signed by

RAKE MCGRAW

Jan 18, 2024

OFFICE

AJV-A422

DATE

11/09/2023

APPROVED BY

JOHN BORDY

Digitally signed by

RAKE MCGRAW

Feb 08, 2024

OFFICE

AJV-33

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGYI
RUNWAY	RW18L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	334334.7400N
LTP/FTP LONGITUDE	0964021.2385W
LTP/FTP ELLIPSOIDAL HEIGHT	+01998
FPAP LATITUDE	334205.5205N
FPAP LONGITUDE	0964024.5590W
THRESHOLD CROSSING HEIGHT (TCH)	00055.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5CCD189F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02259
FPAP ORTHOMETRIC HEIGHT	+02259

