

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SUPERSEDED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>	<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:
4. DIST TO THLD FROM OM:

MM:

IM:

OM:

MM:

IM:
5. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.4
6. 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.
19. NOTES: REMOVED "LNAV ONLY" - IAW 8260.19I.
20. 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.
21. ADDITIONAL FLIGHT DATA: CHANGED "REFERENCE PATH ID: W17A" TO "REFERENCE PATH ID: W18A" - RUNWAY NUMBERS UPDATED WITH MAGVAR ROTATION.
22. ADDITIONAL FLIGHT DATA: HOLDING PATTERN CHANGED FROM "HOLD S, RT, 355.78 INBOUND" TO "HOLD S, RT, 358.78 INBOUND" - MAGVAR ROTATION.
23. FAS DATA BLOCK INFORMATION: RUNWAY CHANGED FROM "17L" TO "18L" - MAGVAR ROTATED AND RUNWAY NUMBERS UPDATED.
24. FAS DATA BLOCK INFORMATION: REFERENCE PATH IDENTIFIER CHANGED FROM "W17A" TO "W18A" - RUNWAY NUMBERS UPDATED WITH MAGVAR ROTATION.
25. FAS DATA BLOCK INFORMATION: FPAP LATITUDE CHANGED FROM "334205.5200N" TO "334205.5205N" - NEW EVALUATION PERFORMED.
26. FAS DATA BLOCK INFORMATION: FPAP LONGITUDE CHANGED FROM "0964024.5600W" TO "0964024.5590W" - NEW EVALUATION PERFORMED.
27. FAS DATA BLOCK INFORMATION: TCH CHANGED FROM "00043.0" TO "00055.4" - FPT REQUEST TO MATCH DESIGN TCH.
28. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM "85181F83" TO "5CCD189F" - NEW EVALUATION PERFORMED.
29. 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



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
GYI	RNAV (GPS) RWY 18L	1	SHERMAN/DENISON	TX	749	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM ADM VORTAC TO ZUNUV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	23.11										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (40-001056)	340158.00N/0964801.00W	2584	500	50	5D	1000					3600
TERRAIN	340839.00N/0970015.00W	1036 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM BYP VORTAC TO GEYEG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	32.06										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-009361)	334125.85N/0962634.79W	1329	250	50	4D	1000				AT671	3000
TERRAIN	334445.00N/0963048.00W	784 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

ZUNUV

TO

GEYEG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	340139.00N/0964618.00W	1086	215	8	4B	1000				AT914	3000
TERRAIN	340051.00N/0964542.00W	859 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

GEYEG

TO

HIGIR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.14										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	335106.00N/0964048.00W	975	215	8	4B	500				AT1325	2800
TERRAIN	335106.00N/0964051.00W	774 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

HIGIR

TO

RW18L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	6.33		DA		200						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				941

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

HIGIR

TO

RW18L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	6.33		DA		274						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC			MA1015	1015

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

HIGIR

TO

CEKOK/1.70 NM TO RW18L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.59										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	334703.00N/0963933.00W	971	215	8	4B	250				RA60 XL15 DG24	1320

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

CEKOK/1.70 NM TO RW18L

TO

RW18L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.70		RW18L		459						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
POLE (48-012077)	334522.00N/0963951.00W	942	20	3	1A	250					1200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

GEYEG

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
		P-5									
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (40-025525)	340043.21N/0964300.53W	1157	50	20	2C	1000				AT843	3000
TERRAIN	340036.00N/0964330.00W	892 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





MISSED APPROACH: LPV

FROM

DA

TO

SERYO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30							773				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (48-011830)	333210.32N/0964227.42W	1177	50	20	2C	1000					2200
TERRAIN	333251.00N/0964118.00W	902 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

SERYO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30							854				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-028886)	334234.13N/0963951.02W	989	20	10	1B		ASC				3000
TOWER (48-011830)	333210.32N/0964227.42W	1177	50	20	2C	1000					2200
TERRAIN	333251.00N/0964118.00W	902 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW18L

TO

SERYO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										1100	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (48-011830)	333210.32N/0964227.42W	1177	50	20	2C	1000					2200
TERRAIN	333251.00N/0964118.00W	902 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (48-028886)	334234.13N/0963951.02W	1.30	551	989	20	10	1B	300			1300
CATEGORY B											
TOWER (48-028886)	334234.13N/0963951.02W	1.83	551	989	20	10	1B	300			1300
CATEGORY C											
TOWER (48-002687)	334230.00N/0963802.00W	2.88	651	1031	500	50	5D	300		AC50	1400
CATEGORY D											
TOWER (48-005360)	334523.00N/0963653.00W	3.76	791	1179	500	50	5D	300		AC50	1540

CIRCLING REMARKS:

MSA

CENTER

RW18L

RADIUS

25



SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (48-012349)	333213.96N/0964954.32W	212	13.9	2726	20	3	1A	1000			3800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZFW ARTCC, FTW FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
AWOS-3	GYI	24	GYI	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
AWOS-3	DUA	24	DUA	19.53	Y	53

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME.  
KGYI 749, KDUA 699  
RA=52.1

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW18R		BSC-F	
RW36L		BSC-F	
RW18L - MALSR (PCL), MIRL (PCL), VASI-4L		PIR-G	
RW36R - MALSR (PCL), MIRL (PCL), VASI-4L		PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	741.1	55.4			3.00	48.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-10C	+54C	-10C	+13.52C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 3-YEAR HISTORY (2020-2022).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1273.



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - VDP IS LESS THAN 0.5 NM AFTER STEPDOWN.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CIRCLING RWY 18R, 36L NA AT NIGHT DUE TO NO SURVEY. UNABLE TO VERIFY VISUAL SURFACES CLEAR.

VEGETATION 75FT PER FPT.

TAA NOT DEVELOPED PER FPT.

CONTINGENCY ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DURANT ALTIMETER SETTING AND INCREASE LPV DA TO 994 FEET; INCREASE LNAV/VNAV DA TO 1068 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

FOR INOPERATIVE ALS, WHEN USING DURANT ALTIMETER SETTING, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

BARO-VNAV NA WHEN USING DURANT ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.17
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	181.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	5.29
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	181.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)

334334.74N/0964021.24W

ARP COORDINATES

334251.09N/0964027.70W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 36R DISTANCE 0.76 NM

FAF COORDINATES

334952.71N/0964007.16W

FIX NAME COORDINATES

REMARKS



<u>AIRPORT ID</u> GYI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18L	<u>AMDT NO.</u> 1	<u>CITY</u> SHERMAN/DENISON	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 749	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> JOHN BORDY (BRITNEY ARMENTROUT)	<u>OFFICE</u> AJV-A422	<u>DATE</u> 11/09/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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