

**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 ACT	PROCEDURE NAME RNAV (GPS) RWY 1	ORIGINAL/AMENDMENT 2	CITY WACO	STATE TX
AIRPORT ELEVATION 516	TDZE 511	SUPERSEDED RNAV (GPS) RWY 1	DATED 09/17/2015	MAG VAR 7E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 26 DECEMBER 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1985
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SATTY		XAFLE		TF	FB	1.00	283.99	6.05	3000
XAFLE	IAF	SHAIL		TF	FB	1.00	277.28	7.80	3000
NRMAN	IAF	SHAIL		TF	FB	1.00	097.15	5.00	3000
SHAIL	IF	URNER		TF	FB	1.00	007.20	6.31	2000
URNER	FAF	WOXAD/1.70 NM TO RW01		TF	FB	0.30	007.22	2.81	
WOXAD/1.70 NM TO RW01		RW01	MAP	TF	FO	0.30	007.22	1.70	
RW01	MAP	761 MSL		CA			007.22		
761 MSL		CHRUS		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT CHRUS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT SHAIL
- FAC: 007.22 FAF: URNER DIST FAF TO MAP: 4.51 DIST FAF TO THLD: 4.51
- MIN ALT: SHAIL 3000, URNER 2000, WOXAD/1.70 NM TO RW01 1100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.62 GS ANT: IM:
- MIN GP INCPT: 2000 GP ALT AT PFAF: URNER 2000 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 55.0
- MSA FROM: RW01 3600



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C OR ABOVE 54°C.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATTY ON V15 SOUTHEAST BOUND.

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

CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PWG ALTIMETER SETTING AND INCREASE LPV DA TO 792 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 813 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM.

CHART SPEED ICON IN PLANVIEW AT XAFLE: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT NRMAN: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 187.26 INBOUND.

CHART FAS OBST: 599 TREE 313621N/0971357W.

CHART VDP AT 0.93 NM TO RW01.

WAAS CHANNEL # 65919

REFERENCE PATH ID: W01A

CHART CIRCLING ICON.

LTP HAE: 127.8 M

MINIMUMS:

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

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

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	761	3/4	250	761	3/4	250	761	3/4	250	761	3/4	250				
LNAV/VNAV DA	782	7/8	271	782	7/8	271	782	7/8	271	782	7/8	271				
LNAV MDA	860	1	349	860	1	349	860	1	349	860	1	349				
CIRCLING	940	1	424	980	1	464	1020	1 1/2	504	1160	2	644				



CHANGES - REASONS

- TERMINAL ROUTES: ADDED NRMAN TO SHAIL INITIAL SEGMENT. - ATC REQUESTED TO SUPPORT INCREASE AIRCRAFT TRAFFIC.
- TERMINAL ROUTES: URNER TO WOXAD, REMOVED ASTERISK (*) FROM SDF ALTITUDE. - NOT REQUIRED
- TERMINAL ROUTES: MISSED CA LEG CHANGED FROM DOCUMENTED 759 TO 761 AND ADDED "RNP 1.00". - 8260.58C 3-5-2
- PROFILE LINE 4: REMOVED ASTERISK (*) FROM SDF MIN ALTITUDE. - NOT REQUIRED
- PROFILE LINE 5: ADDED "250 HAT 0.62". - IAW 8260.19J 8-6-7 E(3)
- PROFILE LINE 7: ADDED "20:1: IS CLEAR". - IAW 8260.19J 8-6-7 G(3)
- ADDED "PBN REQUIREMENTS NOTE: RNP APCH - GPS". - IAW 8260.19J 8-6-8.
- NOTES: REMOVED "CHART NOTE: DME/DME RNP-0.3 NA". - ENTERED AS PBN REQUIREMENTS NOTE.
- NOTES: CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C (19°F) OR ABOVE 54°C (130°F)." TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8°C OR ABOVE 54°C." -UPDATED IAW 8290.19L 8-6-10.
- NOTES: CHANGED "CHART NOTE: BARO-VNAV AND VDP NOT AUTHORIZED WITH MCGREGOR EXECUTIVE ALTIMETER SETTING." TO "CHART NOTE: BARO-VNAV AND VDP NOT AUTHORIZED WITH PWG ALTIMETER SETTING" - UPDATED IAW 826.19J 8-6-10 F(4).
- CHART NOTE: BACKUP ALTIMETER NOTE CHANGED FROM: "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCGREGOR EXECUTIVE ALTIMETER SETTING AND INCREASE ALL DA 31 FT AND ALL MDA 40 FT; INCREASE LPV ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND CIRCLING CAT D 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PWG ALTIMETER SETTING AND INCREASE LPV DA TO 792 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 813 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM." - UPDATED IAW 8260.19J 8-6-10 F(4), AND LEFT AS CHART NOTE PER FPT.
- NOTES: "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". CHANGED TO "RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". - IAW 8260.19J 8-6-12 K (2)
- NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT XAFLE: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT NRMAN: MAX 210 KIAS." - ADDED FPT REQUEST FOR NEW AND EXISTING INITIAL SEGMENTS, IAW 8260.19J, 4-6-10 G.
- ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM "599 TREE 313619N/0971415W" TO "FAS OBST: 599 TREE 313621N/0971357W." NEW TERRAIN EVAL USING 3DEP.
- FAS DATA: FTP LAT/LONG UPDATED FROM "313813.6990N/0971347.5440W" TO "313613.6970N/0971347.5415W". - UPDATED WITH ACTIVE AIRNAV DATA.
- FAS DATA: FPAP LAT/LONG UPDATED FROM "313740.2550N/0971321.9090W" TO "313740.2515N/0971321.8995W". - UPDATED WITH ACTIVE AIRNAV DATA.
- FAS DATA: CRC REMAINDER CHANGED FROM "14E6BF1C" TO "10EC2864". - FTP AND FPAP LOCATION CHANGED.
- ADDITIONAL PATH POINT RECORD INFORMATION: LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+01551" TO "+01550". - 8260.19J PARA 8-6-12.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZFW, ACT ATCT, ACT APP CON, AMGR

FLIGHT CHECKED BY

NICHOLAS A VARNER

Digitally signed by

ALLAN WILL

Nov 13, 2024

OFFICE

AJF

DATE

10/08/2024

DEVELOPED BY

JOHN BORDY (LEO PALMER)

Digitally signed by

ALLAN WILL

Nov 13, 2024

OFFICE

AJV-A33

DATE

04/29/2024

APPROVED BY

JOHN BORDY

Digitally signed by

ALLAN WILL

Nov 13, 2024

OFFICE

AJV-A33

DATE

**TITLE
MANAGER**



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KACT
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	313613.6970N
LTP/FTP LONGITUDE	0971347.5415W
LTP/FTP ELLIPSOIDAL HEIGHT	+01278
FPAP LATITUDE	313740.2515N
FPAP LONGITUDE	0971321.8995W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 10EC2864

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01550
FPAP ORTHOMETRIC HEIGHT	+01550

