

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
SATTY	XAFLE (FB)	283.99 / 6.05	3000	LPV: DA LNAV/VNAV: DA LNAV: RW01								
XAFLE (IAF)	SHAIL (FB)	277.28 / 7.80	3000									
SHAIL (IF)	URNER (FB)	007.20 / 6.31	2000	CLIMB TO 3000 DIRECT CHRUS AND HOLD.								
URNER (FAF)	WOXAD/1.70 NM TO RW01 (FB)	007.22 / 2.81										
WOXAD/1.70 NM TO RW01	RW01 (MAP) (FO)	007.22 / 1.70		ADDITIONAL FLIGHT DATA: HOLD N, RT, 187.26 INBOUND. FAS OBST: 599 TREE 313619N/0971415W DISTANCE TO THLD FROM 250 HATH: 0.61 NM. CHART VOP AT 0.93 MILES TO RW01* *LNAV ONLY. WAAS CHANNEL # 65919 REFERENCE PATH ID: W01A CHART CIRCLING ICON LTP HAE: 127.8 M								
RW01 (MAP)	759 MSL	007.22										
759 MSL	CHRUS (FO)		3000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT SHAIL 3. FAC: 007.22 FAF: URNER DIST FAF TO MAP: 4.51 THLD: 4.51 4. MIN. ALT: SHAIL 3000, URNER 2000, WOXAD/1.70 NM TO RW01 1100* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2000 GS ALT AT: URNER 2000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: RW01 3600				MAG VAR: 7E EPOCH YEAR: 1985								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	759	3/4	250	759	3/4	250	759	3/4	250	759	3/4	250
LNAV/VNAV DA	780	7/8	271	780	7/8	271	780	7/8	271	780	7/8	271
LNAV MDA	860	1	351	860	1	351	860	1	351	860	1	351
CIRCLING	940	1	424	980	1	464	1020	1 1/2	504	1160	2	644
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7C (19F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATTY ON V15 SOUTHEAST BOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCGREGOR EXECUTIVE ALTIMETER SETTING (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 516 THRE: 509		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
WACO, TX		AIRPORT NAME: WACO RGNL				RNAV (GPS) RWY 1, AMDT 1A		AMDT: 1				
						22 AUGUST 2013		DATED		06/27/2013		

QUALITY
CHECKED

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NOTES, (CONT.):

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.

CHART NOTE: BARO-VNAV AND VDP NA WITH MCGREGOR EXECUTIVE ALTIMETER SETTING.

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

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	AIRPORT NAME:				AMDT: 1
	WACO RGNL				DATED: 06/27/2013

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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	313613.6990N
LTP/FTP LONGITUDE	0971347.5440W
LTP/FTP ELLIPSOIDAL HEIGHT	+01278
FPAP LATITUDE	313740.2550N
FPAP LONGITUDE	0971321.9090W
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

14E6BF1C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01551
FPAP ORTHOMETRIC HEIGHT	+01551

QUALITY
9
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CITY AND STATE

WACO, TX

ELEVATION: 516

THRE: 509

AIRPORT NAME:

WACO RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, AMDT 1A

22 AUGUST 2013

SUP:

AMDT:

1

DATED: 06/27/2013

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CITY AND STATE WACO, TX	ELEVATION: 516	THRE: 509	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 1, AMDT 1A	SUP:
	AIRPORT NAME: WACO RGNL		RNAV	22 AUGUST 2013	AMDT: 1
					DATED: 06/27/2013

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SATTY	SATTY	010		IF		FB					
	SATTY	XAFLE	020	IAF	TF		FB	2.0	284.0 (291.0T)	006.1	AA 03000	
	SATTY	SHAIL	030		TF		FB	1.0	277.3 (284.3T)	007.8	AA 03000	
		SHAIL	010	FACF	IF		FB				AA 03000	
		URNER	020	FAF	TF		FB	0.5	007.2 (014.2T)	006.3	AA 02000	
		WOXAD	021	SDF	TF		FB	0.3	007.2 (014.2T)	002.8	AA 01100 GS 01110	
		RW01	030	MAP	TF		FO	0.3	007.2 (014.2T)	001.7	AT 00564	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		007.2 (014.2T)		AA 00759	
	CHRUS	050		DF		FO				AA 03000	
	CHRUS	060		HM	R	FO		187.3 (194.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHRUS	N314750.33	W0971020.73	N3147.839	W09710.346
	SATTY	N312137.70	W0970127.91	N3121.628	W09701.465
	SHAIL	N312543.20	W0971654.01	N3125.720	W09716.900
	URNER	N313150.83	W0971505.37	N3131.847	W09715.090
	WOXAD	N313434.61	W0971416.90	N3134.577	W09714.282
	XAFLE	N312347.84	W0970803.92	N3123.797	W09708.065
	RW01	N313613.70	W0971347.54	N3136.228	W09713.792

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00509	55

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