

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

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> CNW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17L	<u>ORIGINAL/AMENDMENT</u> 14	<u>CITY</u> WACO	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 470	<u>TDZE</u> 470	<u>SUPERSEDED</u> ILS OR LOC RWY 17L	<u>DATED</u> 01/30/2020	<u>MAG VAR</u> 4E
<u>FACILITY</u> I-CNW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
				<u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
ACT VORTAC		ZIRVI INT					054.07	10.93	2300
FOXOR INT	IAF	CUKAV INT	NOPT				173.55 (I-CNW)	7.84	2300
CUKAV INT	IF	ZIRVI INT					173.55 (I-CNW)	7.00	2300

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.58 NM AFTER ZIRVI INT

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ACT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.  
(TACAN AIRCRAFT CONTINUE ON ACT VORTAC R-305 TO IGORR/ACT 14.00 DME AND HOLD SE, RT, 304.93 INBOUND).

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. <b>PT</b>	<b>SIDE OF COURSE</b>	<b>OUTBOUND</b>	<b>FT WITHIN</b>	<b>MILES OF</b>	<b>(IAF)</b>
	HOLD N ZIRVI, LT, 173.55 INBOUND, 2300 IN LIEU OF PT (IAF), MAX 4000.				
3. <b>FAC:</b>	173.55	<b>FAF:</b>	ZIRVI INT	<b>DIST FAF TO MAP:</b>	5.58
				<b>DIST FAF TO THLD:</b>	5.58
4. <b>MIN ALT:</b>	ZIRVI INT 2300, WIPLU INT 1140				
5. <b>DIST TO THLD FROM OM:</b>		<b>MM:</b>		<b>150 HAT:</b>	
				<b>GS ANT:</b>	1014
6. <b>MIN GS INCPT:</b>	2300	<b>GS ALT AT PFAF:</b>	ZIRVI INT 2300	<b>OM:</b>	
				<b>MM:</b>	
7. <b>GS ANGLE:</b>	3.00	<b>34:1:</b>		<b>20:1:</b>	
			<b>TCH:</b>	51.7	
8. <b>MSA FROM:</b>	ACT VORTAC 090-270 3600, 270-090 2500				

**ADDITIONAL FLIGHT DATA:**

CHART IN PLANVIEW: ACT R-054 AT ZIRVI INT.  
HOLD NW, RT, 148.00 INBOUND.  
CHART FAS OBST: 576 TRANSMISSION\_LINE (48-088176) 314051N/0970415W.



**MINIMUMS:**

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

ALTERNATE: NA

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
S-ILS 17L	670	1/2	200	670	1/2	200	670	1/2	200	670	1/2	200				
S-LOC 17L	860	1/2	390	860	1/2	390	860	5/8	390	860	5/8	390				
CIRCLING	940	1	470	1040	1	570	1040	1 1/2	570	1120	2	650				

**CHANGES - REASONS**

1. TERMINAL ROUTES: UPDATED ACT VORTAC TO ZIRVI INT COURSE FROM "054.10" TO "054.07" - UPDATED CALCULATION.
2. TERMINAL ROUTES: REMOVED CQY VORTAC FEEDER - CQY VOR MON 2028 AND PERMANENTLY UNSERVICEABLE.
3. TERMINAL ROUTES: REMOVED "SATTY TO ROB NDB" AND "ROB NDB TO ZIRVI INT" - ROB NDB DECOMMISSION.
4. TERMINAL ROUTES: REMOVED SEGMENT "CQY VORTAC TO TOURS INT" - FPT/ATC REQUEST, CQY VORTAC UNSERVICEABLE AND VORMON 8/31/2028.
5. TERMINAL ROUTES: UPDATED INITIAL NAME / DISTANCE FROM "TOURS INT TO CUKAV INT / 4.77" TO "FOXOR INT TO CUKAV INT / 7.84" - INITIAL LEG LENGTH INCREASED, NAME CHANGE.
6. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ACT VORTAC AND HOLD. (TACAN AIRCRAFT CONTINUE ON ACT VORTAC R-305 TO IGORR/ACT 14.00 DME AND HOLD SE, RT, 304.93 INBOUND)" TO "CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ACT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. (TACAN AIRCRAFT CONTINUE ON ACT VORTAC R-305 TO IGORR/ACT 14.00 DME AND HOLD SE, RT, 304.93 INBOUND)" - CLIMB-IN-HOLD ADDED.
7. ALTERNATE MISSED APPROACH INSTRUCTION: REMOVED - ROB NDB DECOMMISSION.
8. PROFILE LINE 5: REMOVED "DIST TO THLD FROM OM: 5.35" - ROB NDB DECOMMISSION.
9. NOTES: REMOVED " \*LOC ONLY" - NOT REQUIRED.
10. NOTES: REMOVED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 17L CAT E VISIBILITY TO 3/4 SM, AND S-LOC 17L CAT E TO 1 1/8 SM" - CAT E REMOVED FROM PROCEDURE.
11. ADDITIONAL FLIGHT DATA: REMOVED "CHART ASR" - NOT REQUIRED.
12. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NOT REQUIRED.
13. ADDITIONAL FLIGHT DATA: REMOVED "CHART IN PLANVIEW: ROB NDB" - ROB NDB DECOMMISSION.
14. ADDITIONAL FLIGHT DATA: REMOVED "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S ROB NDB, RT, 355.80 INBOUND" - ALT MISSED REMOVED.
15. MINIMUMS: REMOVED ALL CAT E MINIMUMS - PER FPT, CAT E NOT USED BY MILITARY AT KCNW.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA

**OTHER:** ZFW, WACO APP CON, AMGR

**FLIGHT CHECKED BY**

COLTON CROWDER

Digitally signed by **OFFICE** **DATE**  
**RAKE MCGRAW** AJF 02/11/2026  
 Feb 12, 2026

**DEVELOPED BY**

DANIEL WESTON

Digitally signed by **OFFICE** **DATE**  
**RAKE MCGRAW** AJV-A422 11/24/2025  
 Feb 12, 2026

**APPROVED BY**

RAKE MCGRAW

Digitally signed by **OFFICE** **DATE** **TITLE**  
**RAKE MCGRAW** AJV-A422 02/11/2026 **MANAGER**  
 Feb 12, 2026



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

<u>AIRPORT ID</u> CNW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17L	<u>AMDT NO.</u> 14	<u>CITY</u> WACO	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 470	<u>FACILITY</u> I-CNW
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**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

<u>FROM</u> ACT VORTAC	<u>TO</u> ZIRVI INT
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<u>RNP</u>	<u>DISTANCE</u> 10.93	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-009135)	314451.54N/0970624.06W	1034	50	20	2C	1000				AT266	2300
TERRAIN	314709.00N/0970612.00W	646 (600)								AS1500	2100

**COMPUTATIONS**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**

**INITIAL**

<u>FROM</u> FOXOR INT	<u>TO</u> CUKAV INT
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<u>RNP</u>	<u>DISTANCE</u> 7.84	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-008145)	320122.00N/0970330.00W	1265	100	20	3C	1000					2300
TERRAIN	315927.00N/0970451.00W	807 (800)								AS1500	2300

**COMPUTATIONS**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**











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**TACAN AIRCRAFT: LOC**

**FROM**  
5.58 NM AFTER ZIRVI INT

**TO**  
IGORR/ACT 14.00 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
610

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				3000
TOWER (48-008113)	314736.90N/0972719.80W	1296	250	50	4D	1000					2300
TERRAIN	314651.00N/0973112.00W	862 (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

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
CATEGORY A											
TANK (48-005290)	313816.00N/0970459.00W	1.30	470	633	20	10	1B	300			940
CATEGORY B											
TOWER (48-005648)	313903.00N/0970623.00W	1.82	570	680	500	50	5D	300		AC50	1040
CATEGORY C											
TOWER (48-028051)	314014.15N/0970621.57W	2.86	570	682	20	3	1A	300		XP58	1040
CATEGORY D											
TOWER (48-010483)	314139.00N/0970628.00W	3.74	650	816	50	20	2C	300			1120

**CIRCLING REMARKS:**

XP58 TO MAINTAIN CURRENT PUBLISHED MINIMA.





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CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"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 - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 100 FEET PER FPT.

FOR CONTINGENCY PURPOSES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ACT ALTIMETER SETTING AND INCREASE S-ILS 17L DA TO 696 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 17L VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.

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**

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	<b>3.39</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	<b>0.95</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>177.55</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>600</b>
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	<b>5.18</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1500FT POINT</b>	<b>1.34</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>177.55</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>600</b>

**THRESHOLD COORDINATES (IF STR-IN)**

313905.75N/0970425.72W

**ARP COORDINATES**

313816.10N/0970426.90W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 17L DISTANCE 0.83 NM

**FAF COORDINATES**

314441.25N/0970442.52W

**FIX NAME COORDINATES**

**REMARKS**



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**PART E: PREPARED BY**

NAME  
DANIEL WESTON

OFFICE  
AJV-A422

DATE  
11/24/2025

TITLE  
AERONAUTICAL INFORMATION SPECIALIST

