

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</u> TSTC WACO	<u>AIRPORT ID</u> KCNW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17L	<u>ORIGINAL/AMENDMENT</u> 13C	<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SUPERSEDED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>ORIGINAL/AMENDMENT</u> 13B	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 4E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-CNW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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					054.10	10.93	2300
SATTY/ACT 22.00 DME		ROB NDB					337.87	8.89	2300
ROB NDB		ZIRVI INT					355.19	14.44	2300
CQY VORTAC		TOURS INT					245.96	46.73	2300
TOURS INT	IAF	CUKAV INT	NOPT				173.55	4.77 (I-CNW)	2300
CUKAV INT	IF	ZIRVI INT					173.55	7.00 (I-CNW)	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.
 (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 (DO NOT CHART):

CLIMB TO 2700 DIRECT ROB NDB AND HOLD (ADF REQUIRED).



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD N ZIRVI, LT, 173.55 INBOUND, 2300 FT. IN LIEU OF PT (IAF), MAX 4000.
3. FAC: 173.55FAF: ZIRVI INTDIST FAF TO MAP: 5.58DIST FAF TO THLD: 5.58
4. MIN ALT: ZIRVI INT 2300, WIPLU INT 1140*
5. DIST TO THLD FROM OM: 5.35MM:IM:150 HAT:GS ANT: 1014
6. MIN GS INCPT: 2300GS ALT AT FAF : GP INTCP 2300OM: 2251MM:IM:
7. GP ANGLE: 3.0034:1:20:1:TCH: 51.7
8. MSA FROM: ACT VORTAC 090-270 3600, 270-090 2500

EQUIPMENT REQUIREMENTS NOTES:

NOTES:
*LOC ONLY
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.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: ACT R-054 AT ZIRVI INT.
CHART ASR.
CHART CIRCLING ICON.
CHART IN PLANVIEW: ROB NDB
CHART FAS OBST: 576 TRANSMISSION LINE 314051N/0970415W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S ROB NDB, RT, 355.80 INBOUND.
HOLD NW, RT, 148.00 INBOUND

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	670	1/2	200
S-LOC 17L	860	1/2	390	860	1/2	390	860	5/8	390	860	5/8	390	860	5/8	390
CIRCLING	940	1	470	1040	1	570	1040	1 1/2	570	1120	2	650	1180	2 1/2	710

CHANGES - REASONS

1. CHANGED AIRPORT NAME FROM TSTC WACO TO HEART OF TEXAS INDUSTRIAL- AIRNAV DATA UPDATE.
2. REMOVED JEN VORTAC FEEDER LEG AND ALL REFERENCES TO JEN VORTAC- JEN VORTAC VORMON PROJECT.
3. ADDED CHART CIRCLING ICON- PER 8260.19H PARA 8-7-1D(12).
4. UPDATED FEEDER ROUTE ROB NDB TO ZIRVI COURSE FROM 351.19M TO 355.19M- NEW AIRNAV DATA FOR ROB NDB MAGVAR UPDATED FROM 7E/1985 TO 3E/2020.
5. UPDATED ALTERNATE MISSED APPROACH HOLDING AT ROB NDB FROM "351.80" TO "355.80" - NEW AIRNAV DATA FOR ROB NDB MAGVAR UPDATED FROM 7E/1985 TO 3E/2020.

10/1/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 06/11/2019:
1. CHANGED AIRPORT NAME FROM "HEART OF TEXAS INDUSTRIAL" TO "TSTC WACO".



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZFW, ACT ATCT, CNW ATCT, AIRPORT MANAGER

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE Digitally signed by DATE

WARDELL HENNING

Oct 23, 2019

DEVELOPED BY

WARDELL HENNING (MICHAEL W HARRIS)

Digitally signed by

WARDELL HENNING

Oct 23, 2019

OFFICE

AJV-A432

DATE

05/02/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Oct 23, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER

