

**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> KSWW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> SWEETWATER	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 2380	<u>TDZE</u> 2364	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<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>
ABI VORTAC		LNDAA		TF	FB	1.00	289.95	27.27	4400
WEEPE		EDWNN		TF	FB	1.00	045.27	25.20	4400
SHEPP		TORYO		TF	FO	1.00	309.95	37.14	4400
LNDAA	IAF	TORYO	NOPT	TF	FB	1.00	255.71	8.00	4400
EDWNN	IAF	TORYO	NOPT	TF	FB	1.00	075.55	8.00	4400
TORYO	IF/IAF	HELBI		TF	FB	1.00	165.63	7.15	4000
HELBI	FAF	HUSDO/1.70 NM TO RW17		TF	FB	0.30	165.64	3.38	
HUSDO/1.70 NM TO RW17		RW17	MAP	TF	FO	0.30	165.64	1.70	
RW17	MAP	2614 MSL		CA			165.64		
2614 MSL		WOGUG		DF	FO	1.00			4400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4400 DIRECT WOGUG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD N TORYO, RT, 165.63 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 165.64 FAF: HELBI DIST FAF TO MAP: 5.08 DIST FAF TO THLD: 5.08

4. MIN ALT: TORYO 4400, HELBI 4000, HUSDO/1.70 NM TO RW17 2920

5. DIST TO THLD FROM FAF: 5.08 MM: IM: 150 HAT: 250 HAT: 0.73 GS ANT:

6. MIN GP INCPT: 4000 GP ALT AT FAF : HELBI 4000 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH: 40.0

8. MSA FROM: RW17 4600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHEPP ON V94 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ABI VORTAC AIRWAY RADIALS 242 CW 319.
CHART NOTE: STRAIGHT-IN RWY 17 AND CIRCLING RWY 17, 22 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 345.67 INBOUND.
CHART FAS OBST: 2380 TREE (48-047042) 322818N/1002816W.
CHART 2829 WINDMILL 323328N/1003020W.
WAAS CHANNEL # 42625
REFERENCE PATH ID: W17A
CHART CIRCLING ICON.
LTP HAE: 686.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	2614	1	250	2614	1	250	2614	1	250	2614	1	250			
LNAV/VNAV DA	2619	1	255	2619	1	255	2619	1	255	2619	1	255			
LNAV MDA	2680	1	316	2680	1	316	2680	1	316	2680	1	316			
CIRCLING	2880	1	500	2880	1	500	3080	2	700	3080	2 1/4	700			

CHANGES - REASONS

1. ADDED "MAX 6000" TO PROFILE LINE 2 - IAW 8260.19I PARA 8-6-7 B(2).
2. ADDED "250 HAT: 0.73" TO PROFILE LINE 5 - IAW 8260.19I PARA 8-6-7 E(3).
3. ADDED "20:1 IS NOT CLEAR" TO PROFILE LINE 7 - 8260.19I 8-6-7 G(3).
4. DELETED CHART NOTES: "WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT" AND "WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 17 PROCEDURE NA AT NIGHT". - NOTES WERE REVISED AND COMBINED IAW 8260.19I 8-6-11 O(2)(H).
5. REMOVED ADDITIONAL FLIGHT DATA NOTE "'LNAV ONLY", AND REMOVED ASTERISKS (*) FROM HUSDO MINIMUM ALTITUDE IN PROFILE LINE 4 - NO LONGER REQUIRED; IAW 8260.19I 8-6-7D AND 8-6-10M (MEMO).
6. ADDED "CHART NOTE: STRAIGHT-IN RWY 17 AT NIGHT AND WHEN CIRCLING TO RWY 17, 22 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. - 8260.19I 8-6-11 O(2)(H).
7. ADDED ADDITIONAL FLIGHT DATA NOTE 7:1 OBSTRUCTION "2829 WINDMILL 323328N/1003020W" - IAW 8260.19I PARA. 8-6-10E(1).
8. ADDED ADDITIONAL FLIGHT DATA NOTE "CHART FAS OBST: 2380 TREE (48-047042) 322818N/1002816W" - NEW CONTROLLING OBSTACLE.
9. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENT NOTES - IAW 8260.19I PARA 8-6-8 B(1).
10. REMOVED FAHRENHEIT TEMPERATURES FROM BARO-VNAV NOTE. - IAW 8260.19I 8-6-9 S.
11. AMENDED AND RELOCATED BACKUP ALTIMETER NOTES FROM THIS FORM TO THE 8260-9 FOR CONTINGENCY PURPOSES - 8260.19I, 8-6-9 F(3).
12. INCREASED CIRCLING CAT C MDA/HAA FROM MDA 2880/HAA 500 TO MDA 3080/HAA 700 AND CIRCLING CAT D MDA/HAA FROM MDA 2940/HAA 560 TO MDA 3080/HAA 700 - NEW TARGETS EVALUATION CONTROLLING OBSTACLE.
13. RAISED CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 2 SM AND CAT D VISIBILITY FROM 2 SM TO 2 1/4 SM - NEW VISCHECK.
14. CHANGED FPAP COORDINATES FROM "322705.0400N/1002758.4200W" TO "322705.0330N/1002758.4215W" - NEW TARGETS EVALUATION.
15. CHANGED CRC REMAINDER FROM "D04F65BC" TO "3532F318." - FPAP LAT/LONG UPDATED

09/08/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/05/2021.

1. NOTES: CHANGED CHART NOTE FROM "STRAIGHT-IN RWY 17 AT NIGHT AND WHEN CIRCLING TO RWY 17, 22 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD" TO "CHART NOTE: STRAIGHT-IN RWY 17 AND CIRCLING RWY 17, 22 NA AT NIGHT" - IAW 8260.19I, 8-6-11.O; 20:1 PENETRATIONS EXIST.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, ABI APP CON, AMGR, ST AV DIR.

FLIGHT CHECKED BY
MARK STEPHEN CORDEIRO

Digitally signed by
JOHN BORDY
Sep 16, 2021

OFFICE
FIOG

DATE
07/30/2021

DEVELOPED BY
JOHN BORDY (ALEX BALLESTER MARTINEZ)

Digitally signed by
JOHN BORDY
Sep 16, 2021

OFFICE
AJV-A422

DATE
04/05/2021

APPROVED BY
MARLON ROBINSON

Digitally signed by
JOHN BORDY
Sep 16, 2021

OFFICE
AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSWW
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	322833.7655N
LTP/FTP LONGITUDE	1002810.0695W
LTP/FTP ELLIPSOIDAL HEIGHT	+06863
FPAP LATITUDE	322705.0330N
FPAP LONGITUDE	1002758.4215W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3532F318

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+07134
FPAP ORTHOMETRIC HEIGHT	+07134

