

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</u> BROWNWOOD RGNL	<u>AIRPORT ID</u> KBWD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> BROWNWOOD	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1387	<u>TDZE</u> 1387	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 04/04/2005	<u>MAG VAR</u> 4E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 1980

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 085/30 CW 265/30	NOPT	MUSRE	IF/IAF	4000
2. 265/30 CW 355/30		ZIHMY	IAF	4000
3. 355/30 CW 085/30		OHSOJ	IAF	4000

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>
ZIHMY	IAF	MUSRE	NOPT	TF	FB	1.00	265.41	5.00	4000
OHSOJ	IAF	MUSRE	NOPT	TF	FB	1.00	085.31	5.00	4000
MUSRE	IF/IAF	INUWE		TF	FB	1.00	175.36	6.32	3000
INUWE	FAF	CUBKI/2.00 NM TO RW17		TF	FB	0.30	175.36	2.84	
CUBKI/2.00 NM TO RW17		RW17	MAP	TF	FO	0.30	175.36	2.00	
RW17	MAP	1637 MSL		CA			175.36		
1637 MSL		PEQIS		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT PEQIS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD N MUSRE, RT, 175.36 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 175.36FAF: INUWEDIST FAF TO MAP: 4.84DIST FAF TO THLD: 4.84
4. MIN ALT: MUSRE 4000, INUWE 3000, CUBKI/2.00 NM TO RW17 2060*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.63GS ANT:
6. MIN GP INCPT: 3000GP ALT AT FAF : INUWE 3000OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 52.0
8. MSA FROM:

PBN REQUIREMENTS NOTES:

PBN REQUIREMENTS NOTE: RNP APCH.

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.14 NM TO RW17*
*LNAV ONLY
WAAS CHANNEL #70325
REFERENCE PATH ID: W17A
CHART FAS OBST: 1539 TREE 314918N/0985715W.
CHART 1669 TREE 315248N/0985642W.
HOLD S, RT, 355.36 INBOUND
LTP HAE: 395.8 M

MINIMUMS:

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

ALTERNATE: NA☐ STANDARD

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	1637	3/4	250	1637	3/4	250	1637	3/4	250	1637	3/4	250			
LNAV MDA	1800	3/4	413	1800	3/4	413	1800	1 1/4	413	1800	1 1/4	413			
CIRCLING	1840	1	453	1840	1	453	1840	1 1/2	453	1940	2	553			



CHANGES - REASONS

- 1. ADDED NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS EXIST.
- 2. MOVED BACKUP ALTIMETER SETTING NOTE, FOR INOPERATIVE ALS NOTE AND INOPERATIVE TABLE NOTE TO THE BACK OF THE 8260-9; REMOVED ALTERNATE MINS "STANDARD @" AND "@ NA WHEN LOCAL WEATHER NOT AVAILABLE" - PROCEDURE TRANSMITTED TO WMSCR; NO PUBLISHED BACKUP ALTIMETER SOURCE REQUIRED; NOTE MOVED FOR CONTINGENCY PURPOSES.
- 3. ADDED 20:1 IS CLEAR TO LINE 7 - NO 20:1 PENETRATIONS EXIST.
- 4. CRC REMAINDER CHANGED FROM 05A6A645 TO 18CA9E6A - LTP ELLIPSOIDAL HEIGHT CHANGED FROM +03957 TO +03958; LTP UPDATED.
- 5. DELETED NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 9/2/17 MEMO SUBJECT: IMPLEMENTATION OF FAA ORDER 8260.19H FLIGHT PROCEDURE AND AIRSPACE.
- 6. LTP LAT/LONG CHANGED FROM 314806.7900N/985718.2800W TO 314806.7880N/0985718.2830W - FROM AIRNAV.
- 7. ADDED 4 DEGREES TO ALL HEADINGS/COURSES - KBWD MAG VAR CHANGING FROM 8E/1980 TO 4E/2020.

05/24/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/15/17.
1. ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



<u>AIRPORT</u> BROWNWOOD RGNL	<u>AIRPORT ID</u> KBWD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> BROWNWOOD	<u>STATE</u> TX
<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZFW, ST. AV. DIR., AMGR, ATA					
<u>FLIGHT CHECKED BY</u> ZACK LEE SMYER		<u>OFFICE</u> FIOG	<u>DATE</u> 05/22/2018	Digitally signed by ALLAN WILL Jun 06, 2018	
<u>DEVELOPED BY</u> MIKE MELSSEN		<u>OFFICE</u> AJV-5412	<u>DATE</u> 11/15/2017	Digitally signed by ALLAN WILL Jun 06, 2018	
<u>APPROVED BY</u> GEORGE DAVIS		<u>OFFICE</u> AJV-5410	<u>DATE</u>	Digitally signed by ALLAN WILL Jun 06, 2018	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBWD
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	314806.7880N
LTP/FTP LONGITUDE	0985718.2830W
LTP/FTP ELLIPSOIDAL HEIGHT	+03958
FPAP LATITUDE	314637.5100N
FPAP LONGITUDE	0985717.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	18CA9E6A
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+04220
FPAP ORTHOMETRIC HEIGHT	+04220

