

**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> STEPHENS COUNTY	<u>AIRPORT ID</u> KBKD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BRECKENRIDGE	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 1284	<u>TDZE</u> 1265	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 12/06/2018	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 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>
WAPEV		TISEE		TF	FO	1.00	007.51	19.14	3600
AJAHO	IAF	TISEE	NOPT	TF	FB	1.00	138.85	14.70	3600
CIYAL	IAF	TISEE	NOPT	TF	FB	1.00	203.77	8.86	3600
TISEE	IF/IAF	LEVYY		TF	FB	1.00	172.63	6.28	2800
LEVYY	FAF	AYONA/2.00 NM TO RW17		TF	FB	0.30	172.63	2.72	
AYONA/2.00 NM TO RW17		RW17	MAP	TF	FO	0.30	172.63	2.00	
RW17	MAP	1580 MSL		CA			172.63		
1580 MSL		RUCOS		DF	FO	1.00			3600

MISSED APPROACH

MAP:

LP: RW17
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3600 DIRECT RUCOS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD N TISEE, RT, 172.63 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 172.63FAF: LEVYYDIST FAF TO MAP: 4.72DIST FAF TO THLD: 4.72

4. MIN ALT: TISEE 3600, LEVYY 2800, AYONA/2.00 NM TO RW17 1920

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:MM:IM:

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

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM: RW17 3500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 4, 13, 22, 31 NA AT NIGHT.
CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAPEV ON V66 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIYAL ON V16 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AJAHO ON V77 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

LEVYY TO RW17: 3.00/40
CHART CIRCLING ICON.
CHART VDP AT 0.88 NM TO RW17
WAAS CHANNEL #65828
REFERENCE PATH ID: W17A
CHART FAS OBST: 1295 TREE 324338N/0985323W, 1407 WATER TOWER 324538N/0985326W.
HOLD S, RT, 352.63 INBOUND
LTP HAE: 354.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LP MDA	1580	1	315	1580	1	315	1580	1	315	1580	1	315			
LNAV MDA	1700	1	435	1700	1	435	1700	1 1/4	435	1700	1 1/4	435			
CIRCLING	1720	1	436	1740	1	456	1940	1 3/4	656	1940	2	656			



CHANGES - REASONS

1. ADDED VDP - AIRPORT REMOVED VISUAL SURFACE PENETRATIONS TO CLEAR 20:1 SURFACE.
2. CHANGED SURFACE FROM "20:1 IS NOT CLEAR" TO "20:1 IS CLEAR" - AIRPORT REMOVED VISUAL SURFACE PENETRATIONS TO CLEAR 20:1 SURFACE.
3. CHANGED HELICOPTER REDUCTION FROM "RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - AIRPORT REMOVED VISUAL SURFACE PENETRATIONS TO CLEAR 20:1 SURFACE.
4. DELETED NOTE "PROCEDURE NA AT NIGHT" - AIRPORT REMOVED VISUAL SURFACE PENETRATIONS TO CLEAR 20:1 SURFACE.
5. ADDED CHART CIRCLING ICON NOTE - IAW 8260.19H 8-6-10 REQUIRED DOCUMENTATION FOR NEW CIRCLING CRITERIA.
6. DELETED ALTERNATE ALTIMETER NOTE - WEATHER SOURCE IS IDENTIFIED ON WMSCR.
7. CHANGED SEGMENT WAPEV TO TISEE RNP VALUE FROM 2.00 TO 1.00 - UPDATED TO 8260.58A CHANGE 1 TABLE 1-2-1.
8. CHANGED SEGMENT TISEE TO LEVYY RNP VALUE FROM 0.50 TO 1.00 - UPDATED TO 8260.58A CHANGE 1 TABLE 1-2-1.
9. CHANGED SEGMENT LEVYY TO AYONA DISTANCE FROM 2.52 TO 2.72 - FAF MOVED TO 8260.58A LOCATION AND UPDATED OBSTACLE SURVEY.
10. CHANGED SEGMENT AYONA TO MAP DISTANCE FROM 2.20 TO 2.00 AND SDF ALTITUDE FROM 1980 TO 1920 - UPDATED FINAL CONTROLLING OBSTACLES.
11. ADDED CHART NOTE "CIRCLING RWY 4, 13, 22, 31 NA AT NIGHT" - NO RUNWAY SURVEYS AND IT'S ASSUMED 20:1 PENETRATIONS EXIST.
12. CHANGED CAT C CIRCLING CMDA/VIS/HAA FROM 1740/1 1/2/456 TO 1940/1 3/4/656 - UPDATED CIRCLING TO 8260.3 D CIRCLING RADIUS VALUES.
13. CHANGED CAT D CIRCLING CMDA/HAA FROM 1840/556 TO 1940/656 - UPDATED CIRCLING TO 8260.3 D CIRCLING RADIUS VALUES.
14. CHANGED LNAV CAT C AND D VISIBILITY FROM 1 3/8 TO 1 1/4 - PER VISI CHECK TOOL.
15. CHANGED SDF ALTITUDE FROM 1980 TO 1920 - NEW CONTROLLING OBSTACLE.
16. CHANGED LP FAS OBSTACLE FROM 1324 TREE TO 1295 TREE - NEW LP CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A☐ALPA☒AOPA☒APA☐HAI☐NBAA☒OTHER: ZFW, AMGR

FLIGHT CHECKED BY

GARY BELL

Digitally signed by

DAVID TEFFETELLER

Aug 21, 2019

OFFICE

FICO

DATE

7/30/19

DEVELOPED BY

SCOTT BAGENSIE

Digitally signed by

SCOTT BAGENSIE

Jul 09, 2019

OFFICE

AJV-A433

DATE

04/12/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

DAVID TEFFETELLER

Aug 21, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBKD
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	324332.4800N
LTP/FTP LONGITUDE	0985327.5770W
LTP/FTP ELLIPSOIDAL HEIGHT	+03542
FPAP LATITUDE	324203.2100N
FPAP LONGITUDE	0985326.9000W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BD4AB862

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03834
FPAP ORTHOMETRIC HEIGHT	+03834

