

**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> CARROLL COUNTY	<u>AIRPORT ID</u> K4M1	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BERRYVILLE	<u>STATE</u> AR
<u>AIRPORT ELEVATION</u> 1206	<u>TDZE</u> 1203	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 01/13/2011	<u>MAG VAR</u> 2E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2010

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>
MADES		COXUB		TF	FB	2.00	331.82	19.71	3800
COXUB	IAF	PIVUE	NOPT	TF	FB	1.00	341.30	5.20	3300
TEEUP	IAF	PIVUE	NOPT	TF	FB	1.00	128.70	4.45	3300
PIVUE	IF/IAF	WILUT		TF	FB	1.00	071.28	5.68	2900
WILUT	FAF	IYHUW/2.81 NM TO RW07		TF	FB	0.30	071.35	2.51	
IYHUW/2.81 NM TO RW07		RW07	MAP	TF	FO	0.30	071.35	2.81	
RW07	MAP	1606 MSL		CA			071.35		
1606 MSL		YIPBU		DF	FB	1.00			
YIPBU		EYOWY		TF	FO	1.00	052.34	9.14	3300

MISSED APPROACH

MAP:

LP: RW07
LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3300 DIRECT YIPBU AND ON TRACK 052.34 TO EYOWY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD W PIVUE, RT, 071.28 INBOUND, 3300 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 071.35 **FAF:** WILUT **DIST FAF TO MAP:** 5.32 **DIST FAF TO THLD:** 5.32
- 4. **MIN ALT:** PIVUE 3300, WILUT 2900, IYHUW/2.81 NM TO RW07 2100
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- 6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
- 8. **MSA FROM:** RW07 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 25 NA AT NIGHT.
 CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: USE BRANSON ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROGERS ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEEUP ON V72 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART BRANSON AWOS-3.
 CHART CIRCLING ICON.
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
 WAAS CHANNEL #40242
 REFERENCE PATH ID: W07A
 CHART FAS OBST: 1329 TREE 362233N/0933857W, 1619 TREE 362241N/0934044W.
 HOLD NE, RT, 230.60 INBOUND
 LTP HAE: 327.4 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												
LP MDA	1660	1	457	1660	1	457		NA			NA					
LNAV MDA	1940	1	737	1940	1	737		NA			NA					
CIRCLING	1940	1	734	1980	1	774		NA			NA					



CHANGES - REASONS

1. CHANGED FEEDER FROM "MADES-COXUB COURSE/DISTANCE 331.91/19.91" TO "MADES-COXUB COURSE/DISTANCE 331.82/19.71". - IPDS CALCULATED VALUE FOR MAX TURN ANGLE.
2. CHANGED INITIAL FROM "COXUB-PIVUE COURSE/DISTANCE 341.30/5.00" TO "COXUB-PIVUE COURSE/DISTANCE 341.30/5.20". - IPDS CALCULATED VALUE FOR MAX TURN ANGLE AND INSIDE TURN BOUNDARY.
3. CHANGED INTERMEDIATE FROM "PIVUE-WILUT COURSE/DISTANCE 071.28/6.06" TO "PIVUE-WILUT COURSE/DISTANCE 071.28/5.68". - IPDS CALCULATED VALUE FOR STABLIZED DESCENT.
4. CHANGED FAF/SDF FROM "WILUT-IYHUW/2.60 NM TO RW07 071.35/2.34" TO "WILUT-IYHUW/2.81 NM TO RW07 071.35/2.51". - IPDS CALCULATED VALUE FOR STABLIZED DESCENT.
5. CHANGED SDF/MAP FROM "IYHUW/RW07 COURSE/DISTANCE 071.38/2.60" TO "IYHUW/RW07 COURSE/DISTANCE 071.35/2.81". - IPDS CALCULATED VALUE FOR STABLIZED DESCENT.
6. ADDED LP DA/HAT 1660/457 AND VIS 1 SM FOR CAT A-B. - LP CAT A-B MINIMUMS ADDED PER FPT REQUEST.
7. RAISED LNAV MDA FROM 1920 TO 1940. - NEW CONTROLLING OBSTACLE AND UPDATED TRAP DESIGN CRITERIA.
8. RAISED CIRCLING CAT A CMDA FROM 1920 TO 1940, AND CAT B FROM 1920 TO 1980. - CAT A MATCHES RNAV MDA, CAT B NEW CONTROLLING OBSTACLE.
9. CHANGED "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA" TO "CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". - CHART NOTE UPDATED IAW 8260.19H PARA 8-6-11.K.(3)
10. CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEEUP VIA V72 SOUTHWEST BOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEEUP ON V72 SOUTHWEST BOUND". - CHART NOTE UPDATED IAW 8260.19H PARA 8-2-5.E.
11. REPLACED NOTE "CHART NOTE DME/DME RNP 0.3 NA" WITH PBN REQUIREMENTS NOTE: RNP APCH". - CHANGED PER NAVSPEC REQUIREMENT IAW FAAO 8260.19H, 8-6-8.
12. CHARTED CIRCLING ICON. - CIRCLING MEETS CHANGE 21 CIRCLING CRITERIA.
13. ADDED FAS DATA FOR LP LINE OF MINIMA. - IPDS CALCULATED FAS DATA VALUES.
14. MISSED APPROACH HOLDING PAT 1 RAD/CRS/BRG CHANGED FROM 057.13 TO 050.60 AND CRS INBOUND FROM 237.13 TO 230.60.

8/6/2018: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/2/2018.

1. ADDED CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES

08/07/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/06/18.

1. DELETED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH{FEET})
2. DELETED VISUAL DESCENT POINT "IYHUW TO RWY 07" AND "VDA 3.00/TCH 40" FROM ADDITIONAL FLIGHT DATA.
3. UPDATED LP FAS DATA BLOCK WITH GPA OF 00.00 DEGREES.
4. UPDATED LP FAS DATA BLOCK WITH TCH OF 00000.00 FEET.
5. CHANGED CRC REMAINDER FOR LP LINE OF MINIMA FROM 8FD8CDF8 TO BF18256C.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZME, AMGR, STATE AERO

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by
ROBERT G HAMILTON

Aug 07, 2018

OFFICE

FICO

DATE

8/4/18

DEVELOPED BY

JASON KRETSCHMER

Digitally signed by
JASON KRETSCHMER

May 02, 2018

OFFICE

AJV-5422

DATE

05/02/2018

APPROVED BY JULIE

MORGAN

Digitally signed by
ROBERT G HAMILTON

Aug 07, 2018

OFFICE

AJV-5420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4M1
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	362247.8215N
LTP/FTP LONGITUDE	0933749.1735W
LTP/FTP ELLIPSOIDAL HEIGHT	+03274
FPAP LATITUDE	362313.2835N
FPAP LONGITUDE	0933603.4170W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1672
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER BF18256C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03556
FPAP ORTHOMETRIC HEIGHT	+03556

