

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 25	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BERRYVILLE	<u>STATE</u> AR
<u>AIRPORT ELEVATION</u> 1206	<u>TDZE</u> 1206	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<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>
ONITY	IAF	EYOWY	NOPT	TF	FB	1.00	147.07	10.07	3200
IZPUF	IAF	EYOWY	NOPT	TF	FB	1.00	327.18	8.59	3200
EYOWY	IF/IAF	RHUMB		TF	FB	1.00	230.60	7.54	3200
RHUMB	FAF	OMQEL/2.20 NM TO RW25		TF	FB	0.30	247.79	2.40	
OMQEL/2.20 NM TO RW25		RW25	MAP	TF	FO	0.30	247.79	2.20	
RW25	MAP	1605 MSL		CA			247.79		
1605 MSL		IMURE		DF	FB	1.00			
IMURE		PIVUE		TF	FO	1.00	252.67	8.59	3300

MISSED APPROACH

MAP:

LP: RW25
 LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3300 DIRECT IMURE AND ON TRACK 252.67 TO PIVUE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE EYOWY, RT, 230.60 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 247.79

FAF: RHUMB

DIST FAF TO MAP: 4.60

DIST FAF TO THLD: 4.60

4. MIN ALT: EYOWY 3200, RHUMB 3200, OMQEL/2.20 NM TO RW25 2180

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: RW25 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
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 IZPUF ON V307 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ONITY ON V72 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART BRANSON AWOS-3.
CHART CIRCLING ICON.
RHUMB TO RW25: 4.00/40.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.68 DEGREES.
WAAS CHANNEL #86442
REFERENCE PATH ID: W25A
CHART FAS OBST: 1326 TREE 362314N/0933545W.
HOLD W, RT, 071.28 INBOUND
LTP HAE: 339 M

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
LP MDA	1660	1	454	1660	1	454		NA			NA				
LNAV MDA	1660	1	454	1660	1	454		NA			NA				
CIRCLING	1700	1	494	1980	1	774		NA			NA				



CHANGES - REASONS

1. CHANGED INTERMEDIATE FROM "EYOWY-UKAZY COURSE/DISTANCE 237.13/6.01" TO "EYOWY-RHUMB COURSE/DISTANCE 230.60/7.54". - IPDS CALCULATED VALUE AND PFAF MOVED MORE THAN 1 NM. FIX NAME CHANGED IAW 7400.2K PARA 3-3-4F.
2. CHANGED FAF/SDF FROM "UKAZY-OMQEL/2.90 NM TO RW25 237.06/3.10" TO "RHUMB-OMQEL/2.20 NM TO RW25 247.79/2.40". - IPDS CALCULATED VALUE FOR STABLIZED DESCENT.
3. CHANGED SDF/MAP FROM "OMQEL/RW25 COURSE/DISTANCE 237.06/2.90" TO "OMQEL/RW25 COURSE/DISTANCE 247.79/2.20". - IPDS CALCULATED VALUE FOR STABLIZED DESCENT.
4. CHANGED MISSED APPROACH CA LEG COURSE FROM 237.06 TO 247.79. - IPDS CALCULATED VALUE TO ALIGN WITH FAC.
5. CHANGED MISSED APPROACH TF LEG FROM "IMURE-PIVUE COURSE/DISTANCE 256.60/8.71" TO "IMURE-PIVUE COURSE/DISTANCE 252.67/8.59". - IPDS CALCULATED VALUE.
6. CHANGED MISSED INSTRUCTIONS FROM "CLIMB TO 3300 DIRECT IMURE AND ON TRACK 256.30 TO PIVUE AND HOLD." TO "CLIMB TO 3300 DIRECT IMURE AND ON TRACK 252.67 TO PIVUE AND HOLD.". - MISSED APPROACH INSTRUCTIONS UPDATED IAW 8260.19H.
7. ADDED LP DA/HAT 1660/454 AND VIS 1 SM FOR CAT A-B. - LP CAT A-B MINIMUMS ADDED PER FPT REQUEST.
8. REVISED LNAV MDA/HAT 1980/775 AND VIS 1 SM FOR CAT A, 1980/775 AND VIS 1 1/4 SM FOR CAT B TO 1660/454 AND VIS 1 SM FOR CAT A-B. - NEW CONTROLLING OBSTACLE.
9. REVISED CIRCLING MDA/HAA 1980/775 AND VIS 1 SM FOR CAT A, 1980/775 AND VIS 1 1/4 SM FOR CAT B TO 1700/494 AND VIS 1 SM FOR CAT A, 1980/774 AND VIS 1 SM FOR CAT B. - NEW CONTROLLING OBSTACLE.
10. CHANGED "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA" TO "CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". - CHART NOTE UPDATED IAW 8260.19H PARA 8-6-11.K.(3)
11. CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IZPUF VIA V307 SOUTHEAST BOUND." TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IZPUF ON V307 SOUTHEAST BOUND.". - CHART NOTE UPDATED IAW 8260.19H PARA 8-2-5.E.
12. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ONITY ON V72 SOUTHWEST BOUND.". - CHART NOTE ADDED IAW 8260.19H PARA 8-2-5.E.
13. 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.
14. ADDED "CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.68 DEGREES." - ADDED IAW 8260.19H PARA 8-6-10, NOTE (G).
15. CHARTED CIRCLING ICON. - CIRCLING MEETS CHANGE 21 CIRCLING CRITERIA.
16. ADDED FAS DATA FOR LP LINE OF MINIMA. - IPDS CALCULATED FAS DATA VALUES.
17. FINAL APPROACH COURSE CHANGED FROM 237.06 TO 247.79, OFFSET DECREASE BY 10.68 DEGREES - GREATER OFFSET NO LONGER NEEDED FOR OBSTACLES.
18. HOLD IN LIEU OF PT (IAF) PAT 1 RAD/CRS/BRG CHANGED FROM 057.13 TO 050.60 AND CRS INBOUND FROM 237.13 TO 230.60.



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 06, 2018

Digitally signed by

JASON KRETSCHMER

May 22, 2018

OFFICE

FICO

DATE

8/4/18

DEVELOPED BY

JASON KRETSCHMER

OFFICE

AJV-5422

DATE

05/02/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Aug 06, 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	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	362257.8475N
LTP/FTP LONGITUDE	0933707.5240W
LTP/FTP ELLIPSOIDAL HEIGHT	+00339
FPAP LATITUDE	362226.9385N
FPAP LONGITUDE	0933851.0305W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER	F606C3C6
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03673
FPAP ORTHOMETRIC HEIGHT	+03673

