

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> KCRW	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 5	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> CHARLESTON	<u>STATE</u> WV		
<u>AIRPORT ELEVATION</u> 947	<u>TDZE</u> 947	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 5	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 01/03/2019	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<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>
GLAZE	IAF	CENED		TF	FB	1.00	242.84	8.27	7900
CENED		WODNA		TF	FB	1.00	241.06	7.82	5500
WODNA	IF	ZANOL		TF	FB	1.00	231.92	3.60	4500
ZANOL		TUGPE		RF	FB	1.00	(2.60 NM RADIUS CCW (CFFBF))	4.87	3000
RULEY	IAF	WUPKU		TF	FB	1.00	122.30	9.79	6000
WUPKU	IF	TUGPE		TF	FB	1.00	124.43	8.80	3000
SWIFT	IAF	ZIMAT		TF	FB	1.00	246.98	7.64	7400
ZIMAT		WOXAN		TF	FB	1.00	247.13	6.59	5900
WOXAN	IF	CUTOG		TF	FB	1.00	234.28	3.60	5000
CUTOG		JUBLU		RF	FB	1.00	(2.72 NM RADIUS CW (CFFBG))	3.81	4100
SCRIB	IAF	YOGUP		TF	FB	1.00	315.78	7.08	5600
YOGUP	IF	JUBLU		TF	FB	1.00	314.62	6.06	4100
DIPUH	IAF	CITMA		TF	FB	1.00	015.45	9.65	4000
CITMA	IF	CULUN		TF	FB	1.00	053.04	3.46	3700
TUGPE		JETVO	PFAF	RF	FB	1.00	(2.60 NM RADIUS CCW (CFFHQ))	3.25	3000
JUBLU		JETVO	PFAF	RF	FB	1.00	(2.51 NM RADIUS CW (CFFHR))	4.32	3000
CULUN		JETVO	PFAF	TF	FB	1.00	053.03	2.69	3000

QUALITY
14
CHECKED

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JETVO	PFAF	RW05	MAP	TF	FO	0.30	053.08	6.27	
RW05	MAP	ENIVY		TF	FO	1.00	053.13	12.02	3000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3000 ON TRACK 053.13 TO ENIVY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT JETVO					
3. FAC:	053.08	PFAF: JETVO	DIST PFAF TO MAP:		DIST PFAF TO THLD:
4. MIN ALT:	JETVO 3000				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.61	GS ANT:
6. MIN GP INCPT:	3000	GP ALT AT PFAF :	JETVO 3000	OM:	MM:IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.8	
8. MSA FROM:	RW05 4500				

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GLAZE ON V35 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RULEY ON V128 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SWIFT ON V128 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SCRIB ON V258 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DIPUH ON V35 SOUTHBOUND.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17 C OR ABOVE 54 C.
CHART PLANVIEW NOTE AT ZANOL, TUGPE, JUBLU, CUTOG : MAX 210 KIAS.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

ADDITIONAL FLIGHT DATA:

#TCH 1002.4 MSL (DO NOT CHART).
HOLD NE, RT, 233.25 INBOUND.



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
AUTHORIZATION REQUIRED															
RNP 0.10 DA	1197	4000	250	1197	4000	250	1197	4000	250	1197	4000	250			
RNP 0.30 DA	1607	1 7/8	660	1607	1 7/8	660	1607	1 7/8	660	1607	1 7/8	660			

CHANGES - REASONS

1. TERMINAL ROUTES: GLAZE TO CENED COURSE CHANGED FROM 240.40 TO 242.84 AND DISTANCE CHANGED FROM 8.24 TO 8.27 - CHART CORRECTION, FIX GLAZE MOVED AT LAST AMDT 2.
2. PBN REQUIREMENTS NOTE: RNP AR APCH CHANGED TO RNP AR APCH - GPS - PER CURRENT CRITERIA 8-6-8B(1).
3. REMOVED CHART PLANVIEW NOTE: ADJACENT TO IAF GLAZE, SWIFT, RULEY, AND SCRIB RF REQUIRED - NO LONGER REQUIRED BY 8260.19I CRITERIA.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:**

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by

DAVID DANNER

Feb 24, 2023

DEVELOPED BY

TARA MARTINELLI

Digitally signed by

TARA N MARTINELLI

Feb 02, 2023

OFFICE

AJV-A442

DATE

02/02/2023

APPROVED BY

DAVID DANNER

OFFICE

AJV-A442

DATE

Digitally signed by

DAVID DANNER

Feb 24, 2023

TITLE
MANAGER

QUALITY
14
CHECKED