

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</u> YEAGER	<u>AIRPORT ID</u> KCRW	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> CHARLESTON	<u>STATE</u> WV	
<u>AIRPORT ELEVATION</u> 947	<u>TDZE</u> 931	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 09/18/2014	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> 01/03/2019	<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>
KETTA	IAF	ENIVY		TF	FB	1.00	173.52	11.85	4000
ITALY	IAF	ENIVY		TF	FB	1.00	264.89	8.56	4000
ENIVY	IF	COSIK	PFAF	TF	FB	1.00	233.25	6.46	2400
SCRIB	IAF	ZAROG		TF	FB	1.00	358.53	11.26	6000
ZAROG		ZERUT		RF	FB	1.00	(3.61 NM RADIUS CW (CFBFV))	3.45	6000
ZERUT		HEPUN		TF	FB	1.00	053.33	3.04	4400
HEPUN		WOLUL		RF	FB	1.00	(2.60 NM RADIUS CCW (CFFHS))	4.09	3400
WOLUL		COSIK	PFAF	RF	FB	1.00	(2.60 NM RADIUS CCW (CFFHS))	4.08	2400
HVQ VOR/DME	IAF	HOVET		TF	FB	1.00	048.79	9.20	5200
HOVET	IF	ZUMGA		TF	FB	1.00	053.33	3.04	4400
RULEY	IAF	FIGRA		TF	FB	1.00	094.67	19.30	6000
FIGRA		HOVET		RF	FB	1.00	(4.70 NM RADIUS CCW (CFBLG))	3.42	5200
ZUMGA		COSIK	PFAF	RF	FB	1.00	(2.60 NM RADIUS CW (CFFHT))	8.16	2400
COSIK	PFAF	RW23	MAP	TF	FO	0.30	233.18	4.54	
RW23	MAP	CITMA		TF	FO	1.00	233.15	13.45	4000



MISSED APPROACH**MAP:**

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 ON TRACK 233.15 TO CITMA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)
2. PROFILE STARTS AT COSIK				
3. FAC: 233.18	PFAF: COSIK	DIST PFAF TO MAP:		DIST PFAF TO THLD:
4. MIN ALT: COSIK 2400				
5. DIST TO THLD FROM OM: 4.54	MM:	IM:	150 HAT:	486 HAT: 1.36 GS ANT:
6. MIN GP INCPT: 2400	GP ALT AT PFAF : COSIK 2400		OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 56.4	
8. MSA FROM: RW23 4400				

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C (°F) OR ABOVE 54°C (°F).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ITALY ON V59 NORTHBOUND.
CHART PLANVIEW NOTE ADJACENT TO SCRIB IAF: RF REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HVQ VOR/DME AIRWAY RADIALS 337 CW 141.
CHART PLANVIEW NOTE ADJACENT TO HVQ VOR/DME IAF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO RULEY IAF: RF REQUIRED.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 SM.
CHART SPEED ICON IN PLANVIEW AT ZUMGA: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT ZAROG: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT FIGRA: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1062 TREE 382328N/0813401W.
HOLD SW, LT, 053.02 INBOUND



MINIMUMS:

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

ALTERNATE: NA ☐

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1419	6000	488	1419	6000	488	1419	6000	488	1419	6000	488			

CHANGES - REASONS

1. TACR PROJECT. UPDATED FORMS TO INCORPORATE P-NOTAM 4/5922, REMOVED FARENHEIT FROM BARO-VNAV NOTE, AND 2. CHANGED HVQ VORTAC TO HVQ VOR/DME. ALL OTHER DATA AS PREVIOUSLY PUBLISHED.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZID, CRW APP CON, CRW TWR, AMGR**FLIGHT CHECKED BY**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

LONNIE EVERHART (DALE SICKELS)

Digitally signed by

DAVID DANNER

Nov 01, 2018

APPROVED BY

LONNIE EVERHART

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DAVID DANNER

Nov 01, 2018

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DAVID DANNER

Nov 01, 2018

OFFICE**OFFICE**

AJV-5400

OFFICE

AJV-5400

DATE**DATE**

09/12/2018

DATE**TITLE**

MANAGER