

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> YEAGER	<u>AIRPORT ID</u> KCRW	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 5	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> CHARLESTON	<u>STATE</u> WV
<u>AIRPORT ELEVATION</u> 947	<u>TDZE</u> 947	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 5	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 12/10/2015	<u>MAG VAR</u> 6W
<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>	<u>EPOCH YEAR</u> 1985

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>
HVQ VOR/DME		CITMA		TF	FO	2.00	194.96	7.35	4000
DIPUH	IAF	CITMA	NOPT	TF	FB	1.00	015.45	9.65	4000
CITMA	IF/IAF	JETVO		TF	FB	1.00	053.02	6.15	3000
JETVO	FAF	WEPLU/2.92 NM TO RW05		TF	FB	0.30	053.08	3.35	
WEPLU/2.92 NM TO RW05		RW05	MAP	TF	FO	0.30	053.08	2.92	
RW05	MAP	1147 MSL		CA			053.08		
1147 MSL		ENIVY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ENIVY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SW CITMA, LT, 053.02 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 053.08FAF: JETVODIST FAF TO MAP: 6.27DIST FAF TO THLD: 6.27
4. MIN ALT: CITMA 4000, JETVO 3000, WEPLU/2.92 NM TO RW05 1920*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.45GS ANT:MM:IM:
6. MIN GP INCPT: 3000GP ALT AT FAF : JETVO 3000OM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 55.8
8. MSA FROM: RW05 4500

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HVQ VOR/DME AIRWAY RADIALS 119 CW 261.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17 C OR ABOVE 54 C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.74 NM TO RW05*
*LNAV ONLY
WAAS CHANNEL #87115
REFERENCE PATH ID: W05A
CHART FAS OBST: 1297 ANTENNA 382125N/0813620W.
HOLD NE, RT, 233.25 INBOUND
LTP HAE: 255.5 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1000-3

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
LPV DA	1147	4000	200	1147	4000	200	1147	4000	200	1147	4000	200			
LNAV/VNAV DA	1584	1 3/4	637	1584	1 3/4	637	1584	1 3/4	637	1584	1 3/4	637			
LNAV MDA	1560	5500	613	1560	5500	613	1560	1 3/4	613	1560	1 3/4	613			
CIRCLING	1600	1	653	1600	1	653	1760	2 1/2	813	1880	3	933			



CHANGES - REASONS

1. CHANGED TCH FROM 45.0 FT TO 55.8 FT - MATCHING VGSI, RUNWAY THRESHOLD MOVED 490 FT SW.
2. DIST FAF TO MAP/THLD CHANGED FROM 6.30 NM TO 6.27 NM - RUNWAY THRESHOLD MOVED 490 FT SW.
3. CHANGED LPV DA/HAT ALL CATS FROM 1197/250 TO 1147/200 - ASC FOR MINIMUM LPV HAT.
4. CHANGED LPV VISIBILITY ALL CATS FROM 1 SM TO 4000 RVR - 8260.3D TABLE 3-3-1 NALS.
5. CHANGED DISTANCE TO THLD FROM 250 HAT: 0.64 NM TO 200 HAT: 0.45 NM - LOWERED LPV HAT, RUNWAY THRESHOLD MOVED 490 FT SW.
6. CHANGED CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14 C OR ABOVE 54 C TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17 C OR ABOVE 54 C - NEW TEMPERATURE DATA.
7. CHANGED LNAV/VNAV DA/HAT ALL CATS FROM 1578/631 TO 1584/637 - NEW SLOPE OF SLOPING SURFACE AND TEMPERATURE DATA.
8. CHANGED LNAV/VNAV VISIBILITY ALL CATS FROM 2 1/2 SM TO 1 3/4 SM - 8260.3D TABLE 3-3-1 NALS.
9. CHANGED CIRCLING MDA/HAA CAT C FROM 1720/773 TO 1760/813 AND CAT D FROM 1860/913 TO 1880/933 - NEW CONTROLLING OBSTACLES.
10. CHANGED CIRCLING VISIBILITY CAT C FROM 2 1/4 SM TO 2 1/2 SM - 8260.3D TABLE 3-3-7.
11. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED EQUIPMENTS REQUIREMENT NOTE: RNP APCH - CURRENT NOTATION 8260.19H.
12. CHANGED DISTANCE FROM CITMA TO JETVO FROM 6.20 NM TO 6.15 NM - JETVO MOVED 295 FT SW.
13. CHANGED DISTANCE FROM JETVO TO WEPLU FROM 3.30 NM TO 3.35 NM - JETVO MOVED 295 FT SW.
14. CHANGED DISTANCE FROM WEPLU TO R05 FROM 3.00 NM TO 2.92 NM - RUNWAY THRESHOLD MOVED 490 FT SW.
15. CHANGED CHART FAS OBST FROM 1297 TWR 382124N/0813620W TO 1297 ANTENNA 382125N/0813620W - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
16. ADDED FAS OBST: 1439 AAO 381818N/0814110W TO ADDITIONAL FLIGHT DATA - LNAV FINAL CONTROLLER.
17. CHANGED CHART VDP AT 1.77 MILES TO RW05 TO CHART VDP AT 1.74 MILES TO RW05 - RUNWAY THRESHOLD MOVED 490 FT SW, TCH CHANGED FROM 45.0 TO 55.8.
18. CHANGED MIN ALT AT WEPLU FROM 1940 FT TO 1920 FT- DESCENT GRADIENT REQUIREMENTS, UNDER GLIDE PATH ALTITUDE.
19. CHANGED CHART PLANVIEW NOTE FROM PROCEDURE NA FOR ARRIVAL ON HVQ VORTAC AIRWAY RADIALS 119 CW 261 TO PROCEDURE NA FOR ARRIVAL ON HVQ VOR/DME AIRWAY RADIALS 119 CW 261 - HVQ TACR PROJECT.
20. CHANGED ALTERNATE MINIMUMS FROM STANDARD-CAT C 800-2 1/4, CAT D 1000-3 TO STANDARD-CAT C 800-2 1/2, CAT D 1000-3 - CIRCLING CAT C VISIBILITY RAISED.
21. CRC REMAINDER CHANGED FROM 254AA61D TO C0F884BD - CHANGED LTP, TCH, AND VAL.
22. LTP/FTP COORDINATES CHANGED FROM 382214.3600N-0813600.8100W TO 382211.0700N-0813605.3200W - RUNWAY THRESHOLD MOVED 490 FT SW, NEW SURVEY.
23. LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +2556 TO +2555 - RUNWAY THRESHOLD MOVED 490 FT SW, NEW SURVEY.
24. FPAP COORDINATES CHANGED FROM 382315.0215N-0813437.7430W TO 382311.7335N-0813442.2555W - RUNWAY THRESHOLD MOVED 490 FT SW, NEW SURVEY.
25. TCH IN FAS DATA CHANGED FROM 00045.0 TO 00055.8 - RUNWAY THRESHOLD MOVED 490 FT SW, NEW SURVEY.
26. VAL CHANGED FROM 50.0 TO 35.0 - RUNWAY THRESHOLD MOVED 490 FT SW, NEW SURVEY, HAT LOWERED TO 200 FT.
27. LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM +02887 TO +02885 - RUNWAY THRESHOLD MOVED 490 FT SW, NEW SURVEY.

PDF EDIT:
ADDED PENDING TO FLIGHT CHECKED BY BLOCK.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZID, CRW APP CON, CRW TWR, AMGR

<u>FLIGHT CHECKED BY</u>		<u>OFFICE</u>	<u>DATE</u>	
PENDING	Digitally signed by			
	DAVID DANNER			
	Nov 01, 2018			
<u>DEVELOPED BY</u>		<u>OFFICE</u>	<u>DATE</u>	
LONNIE EVERHART (DALE SICKELS)	Digitally signed by			
	DAVID DANNER	AJV-5400	09/10/2018	
<u>APPROVED BY</u>		<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART	Digitally signed by			
	DAVID DANNER	AJV-5400		MANAGER
	Nov 01, 2018			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRW
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	382211.0700N
LTP/FTP LONGITUDE	0813605.3200W
LTP/FTP ELLIPSOIDAL HEIGHT	+02555
FPAP LATITUDE	382311.7335N
FPAP LONGITUDE	0813442.2555W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0856
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	C0F884BD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02885
FPAP ORTHOMETRIC HEIGHT	+02885