

**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.

<b><u>AIRPORT ID</u></b> CVG	<b><u>PROCEDURE NAME</u></b> RNAV (RNP) Z RWY 9	<b><u>ORIGINAL/AMENDMENT</u></b> 1	<b><u>CITY</u></b> COVINGTON	<b><u>STATE</u></b> KY
<b><u>AIRPORT ELEVATION</u></b> 896	<b><u>TDZE</u></b> 883	<b><u>SUPERSEDED</u></b> RNAV (RNP) Z RWY 9	<b><u>DATED</u></b> 03/24/2022	<b><u>MAG VAR</u></b> 6W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG-B	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>EPOCH YEAR</u></b> 2025
		<b><u>ACTUAL EFFECTIVE DATE</u></b> 12 JUNE 2025	<b><u>CANCEL/SUSPEND</u></b>	

**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>
ACHOO	IAF	SEMSE		TF	FB	1.00	137.98	12.73	3500
CALFS	IAF	SEMSE		TF	FB	1.00	057.73	13.77	3500
BABGE	IAF	SEMSE		TF	FB	1.00	123.82	13.97	3500
JADOP	IAF	SEMSE		TF	FB	1.00	096.01	4.78	3500
SEMSE	IF	KAVME	PFAF	TF	FB	1.00	096.05	3.25	2500
FLOTT	IF	GEHDI		TF	FB	1.00	276.16	3.14	5000
GEHDI		KAVME	PFAF	RF	FB	1.00	(2.60 NM RADIUS CW (CFFZH))	8.17	2500
IDULE	IF	HAPON		TF	FB	1.00	276.84	3.14	5000
HAPON		KAVME	PFAF	RF	FB	1.00	(2.60 NM RADIUS CCW (CFFZF))	8.20	2500
KAVME	PFAF	RW09	MAP	TF	FO	0.30	096.10	4.91	
RW09	MAP	1205 MSL		CA			096.10		
1205 MSL		BLOCK		DF	FB	1.00			
BLOCK		CALIF		TF	FO	1.00	137.90	10.02	3000

**MISSED APPROACH**

**MAP:**

RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT BLOCK AND ON TRACK 137.90 TO CALIF AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
26  
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT KAVME														
3.	FAC:	096.10	PFAF:	KAVME	DIST PFAF TO MAP:	DIST PFAF TO THLD:									
4.	MIN ALT:	KAVME 2500													
5.	DIST TO THLD FROM PFAF:	4.91	MM:	IM:	150 HAT:	322 HAT:	0.85	GS ANT:							
6.	MIN GP INCPT:	2500	GP ALT AT PFAF:	KAVME 2500		OM:		MM:		IM:					
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	52.0							
8.	MSA FROM:	RW09 3000													

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.  
CHART SPEED ICON IN PLANVIEW AT FLOTT: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT IDULE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 290.87 INBOUND.  
CHART MANDATORY 8000 AT ACHOO.  
CHART MANDATORY 8000 AT CALFS.  
CHART MANDATORY 8000 AT BABGE.  
CHART MANDATORY 6000 AT FLOTT.  
CHART MANDATORY 6000 AT IDULE.

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 0.18 DA	1205	2600	322	1205	2600	322	1205	2600	322	1205	2600	322			
RNP 0.30 DA	1275	3500	392	1275	3500	392	1275	3500	392	1275	3500	392			



CHANGES - REASONS

1. TERMINAL ROUTES – ADDED INITIAL LEG FROM ACHOO TO SEMSE – ATC REQUESTED
2. TERMINAL ROUTES – ADDED INITIAL LEG FROM CALFS TO SEMSE – ATC REQUESTED
3. TERMINAL ROUTES – ADDED INITIAL LEG FROM BABGE TO SEMSE – ATC REQUESTED
4. TERMINAL ROUTES – ADDED INTERMEDIATE LEG FROM FLOTT TO GEHDI – ATC REQUESTED
5. TERMINAL ROUTES – ADDED INTERMEDIATE LEG FROM GEHDI TO KAVME – ATC REQUESTED
6. TERMINAL ROUTES – ADDED INTERMEDIATE LEG FROM IDULE TO HAPON – ATC REQUESTED
7. TERMINAL ROUTES – ADDED INTERMEDIATE LEG FROM HAPON TO KAVME – ATC REQUESTED
8. TERMINAL ROUTES – CHANGED INITIAL LEG FROM JADOP TO SEMSE COURSE/DISTANCE FROM 096.00/3.14 TO 096.01/4.78 – ATC REQUESTED
9. TERMINAL ROUTES – CHANGED INTERMEDIATE LEG FROM SEMSE TO KAVME COURSE/DISTANCE FROM 096.04/5.02 TO 096.05/3.25 – ATC REQUESTED
10. TERMINAL ROUTES – FINAL LEG FROM KAVME TO RW09 COURSE/DISTANCE CHANGED FROM 096.11/4.54 TO 096.10/4.91 – FAF POSITION REALIGNED BASED ON ANGLE AND TCH
11. TERMINAL ROUTES – BLOCK TO CALIF COURSE/DISTANCE CHANGED FROM 135.93/10.43 TO 137.90/10.02 - BLOCK FIX MOVED TO ACCOMMODATE REBUILD OF THE RNAV (RNP) RWY 27
12. MISSED APPROACH INSTRUCTIONS CHANGED FROM “CLIMB TO 3000 ON TRACK 096.16 TO BLOCK AND TRACK 135.93 TO CALIF AND HOLD” TO “CLIMB TO 3000 DIRECT BLOCK AND ON TRACK 137.90 TO CALIF AND HOLD” – BLOCK FIX MOVED TO ACCOMMODATE REBUILD OF THE RNAV (RNP) RWY 27, RNAV MISSED FOR LOWER MINIMUMS
13. PROFILE LINE 3 – FAC CHANGED FROM 096.11 TO 096.10 – FAF POSITION REALIGNED BASED ON ANGLE AND TCH
14. PROFILE LINE 4 – MIN ALTS CHANGED FROM “JADOP 5000, SEMSE 4000, KAVME 2400” TO “KAVME 2500” - DUE TO COMPLETE REBUILD OF THE PROCEDURE REQUESTED BY ATC
15. PROFILE LINE 5 – DIST TO THLD FROM PFAF CHANGED FROM 4.54 TO 4.91 - PFAF POSITION REALIGNED BASED ON ANGLE AND TCH
16. PROFILE LINE 5 – HAT CHANGED FROM 350:0.94 TO 332:0.85 – NEW TARGETS EVALUATION RESULTING IN LOWER MINIMA
17. PROFILE LINE 6 – GP INCPT/ALT AT FAF CHANGED FROM 2400/KAVME 2400 TO 2500/KAVME 2500 - DUE TO COMPLETE REBUILD OF THE PROCEDURE REQUESTED BY ATC
18. NOTES – REMOVED INOP ALS NOTE “INCREASE RNP 0.30 VISIBILITY TO RVR 5500 - NEW LINES OF MINIMA/NEW DAS
19. NOTES – ADDED CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS - DUE TO COMPLETE REBUILD OF THE PROCEDURE REQUESTED BY ATC
20. NOTES – ADDED “CHART SPEED ICON IN PLANVIEW MAX 210 KIAS” AT FLOTT AND IDULE – MAX SPEEDS ADDED TO MATCH ASSOCIATED STARS SPEED RESTRICTIONS
21. ADDITIONAL FLIGHT DATA – ADDED CHART MANDATORY 8000 AT ACHOO, CALFS AND BABGE – ADDED TO MATCH MANDATORY ALTITUDES ON ASSOCIATED STARS.
22. ADDITIONAL FLIGHT DATA – ADDED CHART MANDATORY 6000 AT FLOTT AND IDULE – ADDED TO MATCH MANDATORY ALTITUDES ON ASSOCIATED STARS.
23. MINIMUMS – ADDED RNP 0.18 DA LINE OF MINIMA – ATC REQUEST
24. MINIMUMS – RNP 0.30 DA DA/VIS/HAT CHANGED FROM 1233/3000/350 TO 1275/3500/392 – NEW CONTROLLING OBSTACLE
25. PROFILE LINE 2 – CHANGE PROFILE START FROM JADOP TO KAVME - ATC REQUESTED, IAW 8260.19J 8-6-7B(3)(B).
26. MAGVAR EPOCH YEAR CHANGED FROM 2020 TO 2025 - PER CURRENT AIRNAV DATA
27. ADDED CA LEG - IAW 8260.58C 3-5-2.
28. NOTE CHANGED FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C OR ABOVE 54C TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C OR ABOVE 54C. - UPDATED WEATHER DATA.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☒

HAI

☐

NBAA

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OTHER: ZID, CVG ATCT, CVG APP CON, AMGR

FLIGHT CHECKED BY

ERIC L GEYER

Digitally signed by

CASIMIR L TABAKA

Feb 28, 2025

OFFICE

AJF

DATE

02/26/2025

DEVELOPED BY

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TYLER D MITCHELL

Nov 21, 2024

OFFICE

AJV-A432

DATE

10/15/2024

APPROVED BY

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Feb 28, 2025

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DATE

TITLE

MANAGER

