

**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.

<b><u>AIRPORT ID</u></b>	<b><u>PROCEDURE NAME</u></b>	<b><u>ORIGINAL/AMENDMENT</u></b>	<b><u>CITY</u></b>	<b><u>STATE</u></b>		
CVG	RNAV (GPS) Y RWY 18R	2	COVINGTON	KY		
<b><u>AIRPORT ELEVATION</u></b>	<b><u>TDZE</u></b>	<b><u>SUPERSEDED</u></b>	<b><u>ORIGINAL/AMENDMENT</u></b>	<b><u>DATED</u></b>	<b><u>MAG VAR</u></b>	<b><u>EPOCH YEAR</u></b>
896	868	RNAV (GPS) Y RWY 18R	1E	03/24/2022	6W	2025
<b><u>FACILITY</u></b>	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b>	<b><u>REQUIRED EFFECTIVE DATE</u></b>	<b><u>CANCEL/SUSPEND</u></b>		
RNAV		12 JUNE 2025	ROUTINE			

**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>
BYRAN	IAF	BOTHS		TF	FB	1.00	120.75	7.13	4700
BOTHS		OPHUS		TF	FB	1.00	120.83	5.00	4000
CRSLY	IAF	KONEC		TF	FB	1.00	251.13	8.30	4700
KONEC		OPHUS		TF	FB	1.00	251.02	5.00	4000
NXHAL	IAF	FIBMO		TF	FB	1.00	006.23	11.44	4500
FIBMO	IAF	OPHUS		TF	FB	1.00	276.26	6.97	4000
LEWIN	IAF	GOSEC		TF	FB	1.00	006.11	8.52	4500
GOSEC	IAF	OPHUS		TF	FB	1.00	096.09	5.22	4000
WALBY	IAF	VEWIR		TF	FB	1.00	186.17	3.20	6000
VEWIR		DRAEK		TF	FB	1.00	186.17	3.20	5000
DRAEK		OPHUS		TF	FB	1.00	186.17	2.99	4000
OPHUS	IF	KRTHY	PFAF	TF	FB	1.00	186.17	4.95	2500
KRTHY	FAF	RW18R	MAP	TF	FO	0.30	186.17	4.95	
RW18R	MAP	1068 MSL		CA			186.17		
1068 MSL		BEPEE		DF	FB	1.00			
BEPEE		AVIEW		TF	FO	1.00	269.10	18.34	3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW18R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT BEPEE AND ON TRACK 269.10 TO AVIEW AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)			
2.	PROFILE STARTS AT OPHUS								
3.	FAC:	186.17	FAF:	KRTHY	DIST FAF TO MAP:	4.95	DIST FAF TO THLD:	4.95	
4.	MIN ALT:	OPHUS 4000, KRTHY 2500							
5.	DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	200 HAT:	0.46	GS ANT:	
6.	MIN GP INCPT:	2500	GP ALT AT PFAF:	KRTHY 2500		OM:		MM:	IM:
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	58.1	
8.	MSA FROM:	RW18R 3000							

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18L/C.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

CHART SPEED ICON IN PLANVIEW AT NXHAL: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT FIBMO: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT LEWIN: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT GOSEC: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT WALBY: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT OPHUS: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 245.95 INBOUND.  
FAS OBST: 1103 AAO 390827N/0844024W.  
CHART 1149 TOWER (39-001883) 390849N/0844111W.  
CHART VDP AT 1.37 NM TO RW18R.  
WAAS CHANNEL # 58099  
REFERENCE PATH ID: W18D  
CHART MANDATORY 8000 AT BYRAN.  
CHART MANDATORY 8000 AT CRSLY.  
CHART MANDATORY 6000 AT NXHAL.  
CHART MANDATORY 6000 AT LEWIN.  
CHART AT OR ABOVE 7000 AT WALBY.  
CHART CIRCLING ICON.  
LTP HAE: 229.5 M



**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
LPV DA	1068	1800	200	1068	1800	200	1068	1800	200	1068	1800	200			
LNAV/VNAV DA	1214	3000	346	1214	3000	346	1214	3000	346	1214	3000	346			
LNAV MDA	1360	2400	492	1360	2400	492	1360	5000	492	1360	5000	492			
CIRCLING	1460	1	564	1460	1	564	1560	1 3/4	664	1560	2	664			

**CHANGES - REASONS**

1. TERMINAL ROUTES: ADDED INITIAL SEGMENTS FROM "BYRAN TO BOTHS" AND "BOTHS TO OPHUS" – AIRSPACE REWORK TO ALIGN WITH PBN PROCEDURE.
2. TERMINAL ROUTES: ADDED INITIAL SEGMENTS FROM "CRSLY TO KONEC" AND "KONEC TO OPHUS" – AIRSPACE REWORK TO ALIGN WITH PBN PROCEDURE.
3. TERMINAL ROUTES: ADDED INITIAL SEGMENTS FROM "WALBY TO VEWIR" AND "VEWIR TO DRAEK" – AIRSPACE REWORK TO ALIGN WITH PBN PROCEDURE.
4. TERMINAL ROUTES: ADDED INITIAL SEGMENTS FROM "NXHAL TO FIBMO" AND "FIBMO TO OPHUS" – AIRSPACE REWORK TO ALIGN WITH PBN PROCEDURE.
5. TERMINAL ROUTES: ADDED INITIAL SEGMENTS FROM "LEWIN TO GOSEC" AND "GOSEC TO OPHUS" – AIRSPACE REWORK TO ALIGN WITH PBN PROCEDURE.
6. TERMINAL ROUTES: UPDATED DRAEK TO OPHUS DISTANCE FROM "3.14" TO "2.99" – FIX DRAEK MOVED 0.23NM NORTH AND FIX OPHUS MOVED 0.37NM NORTH.
7. TERMINAL ROUTES: UPDATED SEGMENT FROM "OPHUS TO BRITL" TO "OPHUS TO KRTHY" DISTANCE FROM "3.14" TO "5.03" AND ALTITUDE FROM "3000" TO "2500" – FIX BRITL REMOVED FROM PROCEDURE.
8. TERMINAL ROUTES: REMOVED SEGMENT "BRITL TO KRTHY" – FIX BRITL REMOVED FROM PROCEDURE.
9. TERMINAL ROUTES: UPDATED "BEPEE TO AVIEW" COURSE FROM "268.49" TO "269.10" AND DISTANCE FROM "18.36" TO "18.34" – FIX BEPEE MOVED 1203FT SOUTH.
10. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 3000 DIRECT BEPEE AND ON 268.49 TRACK TO AVIEW AND HOLD" TO "CLIMB TO 3000 DIRECT BEPEE AND ON TRACK 269.10 TO AVIEW AND HOLD – FIX BEPEE RELOCATED.
11. PROFILE LINE 2: CHANGED FROM "PROFILE STARTS AT DRAEK" TO "PROFILE STARTS AT OPHUS" – IAW 8260.19J 8-6-7.
12. PROFILE LINE 3: DIST PFAF TO MAP AND DIST PFAF TO THLD CHANGED FROM "4.58" TO "4.95" – NEW FAF LOCATION.
13. PROFILE LINE 4: MIN ALT CHANGED FROM "DRAEK 5000, OPHUS 4000, BRITL 3000, KRTHY 2400" TO "OPHUS 4000, KRTHY 2500" – IAW 8260.19J 8-6-7.
14. PROFILE LINE 5: UPDATED HAT FROM "200 HAT: 0.45" TO "200 HAT: 0.46" – NEW FAF LOCATION AND ALTITUDE.
15. PROFILE LINE 6: MIN GP INCPT CHANGED FROM "2400" TO "2500" AND GP ALT AT PFAF CHANGED FROM "KRTHY 2400" TO "KRTHY 2500" - NEW FAF ALTITUDE.
16. PBN REQUIREMENTS NOTE: REMOVED "RADAR REQUIRED FOR PROCEDURE ENTRY" – NO LONGER REQUIRED.
17. NOTES: UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C" – NEW 5 YEAR STUDY.
18. NOTES: ADDED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM" - IAW 8260.19J 8-6-12.
19. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT GOSEC: MAX 210 KIAS", "CHART SPEED ICON IN PLANVIEW AT FIBMO: MAX 210 KIAS", "CHART SPEED ICON IN PLANVIEW AT WALBY: MAX 210 KIAS", "CHART SPEED ICON IN PLANVIEW AT OPHUS: MAX 210 KIAS", "CHART SPEED ICON IN PLANVIEW AT NXHAL: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT LEWIN: MAX 210 KIAS" - PER LENGTH REQUIREMENT AND FPT/ATC REQUEST.
20. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM "CHART FAS OBST: 1053 TOWER (21-001610) 390405N/0844126W" TO "FAS OBST: 1103 AAO 390827N/0844024W" – NEW SURVEY, NEW FAS OBST IAW 8260.19J 8-6-10.
21. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM "CHART: 1155 TOWER (39-001883) 390850.20N/0844109.80W" TO "CHART 1149 TOWER (39-001883) 390849N/0844111W" – NEW SURVEY, NEW 7:1 OBST IAW 8260.19J 8-6-10.
22. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM "CHART VDP AT 1.25 NM TO RW18R" TO "CHART VDP AT 1.37 NM TO RW18R" - NEW FAF LOCATION.
23. ADDITIONAL FLIGHT DATA: ADDED NOTE "CHART MANDATORY 8000 AT BYRAN", "CHART MANDATORY 8000 AT CRSLY", "CHART MANDATORY 6000 AT NXHAL", "CHART MANDATORY 6000 AT LEWIN" AND "CHART AT OR ABOVE 7000 AT WALBY" - ATC REQUEST TO ENSURE VERTICAL SEPARATION BETWEEN AIRCRAFT ON APPROACH AND OTHER TRACON TRAFFIC.
24. MINIMUMS: UPDATED LNAV/VNAV DA/HAT ALL CATS FROM "1321/453" TO "1214/346" - NEW CONTROLLING OBSTACLE.
25. MINIMUMS: UPDATED LNAV/VNAV ALL CATS VISIBILITY FROM "4500" TO "3000" - IAW 8260.3E TABLE 3-3-1.
26. MINIMUMS: UPDATED LNAV ALL CATS MDA/HAA FROM "1320/452" TO "1360/492" - NEW SURVEY, NEW CONTROLLING OBSTACLE.
27. MINIMUMS: UPDATED LNAV CATS C AND D VISIBILITY FROM "4500" TO "5000" - IAW 8260.3E TABLE 3-3-1.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZID, CVG APP CON, CVG ATCT, AMGR.

FLIGHT CHECKED BY

ERIC L GEYER

Digitally signed by

ROBERT G HAMILTON

Feb 26, 2025

OFFICE

AJF

DATE

02/25/2025

DEVELOPED BY

ERIC N SUSKI (EMMANUEL R. GONZALES)

Digitally signed by

ROBERT G HAMILTON

Feb 26, 2025

OFFICE

AJV-A431

DATE

08/12/2024

APPROVED BY

ERIC N SUSKI

Digitally signed by

ROBERT G HAMILTON

Feb 26, 2025

OFFICE

AJV-A431

DATE

05/08/2025

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCVG
RUNWAY	RW18R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18D
LTP/FTP LATITUDE	390415.1735N
LTP/FTP LONGITUDE	0844101.4550W
LTP/FTP ELLIPSOIDAL HEIGHT	+02295
FPAP LATITUDE	390245.9910N
FPAP LONGITUDE	0844101.7995W
THRESHOLD CROSSING HEIGHT (TCH)	00058.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D5D172CE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02636
FPAP ORTHOMETRIC HEIGHT	+02636

