

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 ID</u> OVO	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 23	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> NORTH VERNON	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 757	<u>TDZE</u> 755	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/30/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 FEBRUARY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 2W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 110/30 CW 290/30	NOPT	110/25 CW 290/25		3100
2. 110/25 CW 290/25		GELOW	IF/IAF	2800
3. 290/30 CW 020/30		WASPU	IAF	2800
4. 020/30 CW 110/30		HEVON	IAF	2800

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>
WASPU	IAF	GELOW	NOPT	TF	FB	1.00	289.87	7.00	2800
HEVON	IAF	GELOW	NOPT	TF	FB	1.00	109.69	7.00	2800
GELOW	IF/IAF	TETIE		TF	FB	1.00	199.77	3.10	2100
TETIE		CEXAR		TF	FB	1.00	199.78	2.10	1800
CEXAR	FAF	ENRGA/1.28 NM TO STDFD		TF	FB	0.30	209.76	1.38	
ENRGA/1.28 NM TO STDFD		STDFD	MAP	TF	FO	0.30	209.76	1.28	
STDFD	MAP	1200 MSL		CA			209.76		1200
1200 MSL		NURBE		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LNAV: STDFD

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2700 DIRECT NURBE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD N GELOW, RT, 199.77 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.					
3.	FAC: 209.76	FAF: CEXAR	DIST FAF TO MAP: 2.66	DIST FAF TO THLD: 3.16		
4.	MIN ALT: GELOW 2800, TETIE 2100, CEXAR 1800, ENRGA/1.28 NM TO STDFD 1360					
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6.	MIN GP INCPT:	GP ALT AT FAF:		OM:	MM:	IM:
7.	GP ANGLE:	34:1: IS CLEAR	20:1: IS CLEAR	TCH:		
8.	MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING TO RWY 15, 33 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHELBYVILLE ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C 3/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.
CHART NOTE: VDP NA WHEN USING SHELBYVILLE MUNI ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART: MUSCATATUCK NATIONAL WILDLIFE REFUGE
CHART: JPG A AND B MOA
CHART: JPG D MOA
CHART: R-3403 A, B
CEXAR TO STD FD: 3.00/40.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.00 DEGREES.
HOLD SW, RT, 049.62 INBOUND.
CHART FAS OBST: 869 TREE 390411N/0853452W.
CHART 959 TOWER 390456N/0853502W.
1009 AAO 390536N/0853308W.
CHART VDP AT 0.58 NM TO STD FD.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.

MINIMUMS:

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

ALTERNATE: NA ☒

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
LNAV MDA	1120	1	365	1120	1	365	1120	1	365		NA				
CIRCLING	1180	1	423	1300	1	543	1300	1 1/2	543		NA				



CHANGES - REASONS

1. ADDED TAA SECTORS WITH LEFT BASE INITIAL FROM WASPU AT 2800, RIGHT BASE FROM HEVON AT 2800. – PER ATC/FPT REQUEST.
2. TERMINAL ROUTES: CHANGED ALL INSTANCES OF 'AMARG' TO 'GELOW' – IF/IAF REPLACED PER FPT/ATC COORDINATION.
3. TERMINAL ROUTES: ADDED INITIAL SEGMENTS HEVON TO IAF GELOW AT 2800 NOPT AND IF WASPU TO IAF GELOW AT 2800 NOPT – PER ATC/FPT REQUEST.
4. TERMINAL ROUTES: CHANGED INTERMEDIATE SEGMENTS GELOW IF/IAF TETIE COURSE/DISTANCE FROM 219.85/4.38 TO 199.77/3.10 AND STEPDOWN TETIE TO FAF CEXAR COURSE/DISTANCE/ALTITUDE FROM 219.81/3.52/2400 TO 199.78/2.10/2100 – PER ATC/FPT REQUEST TO ACCOMMODATE FAC OFFSET CHANGED FROM 10 TO 20 DEGREES; GELOW MOVED 5.32 NM, CEXAR MOVED 1.90, TETIE MOVED 3.85 NM.
5. TERMINAL ROUTES: CHANGED FINAL SEGMENTS FROM 'CEXAR FAF FANTN/1.90 NM TO RW23' TO 'CEXAR FAF ENRGA/1.28 NM TO STDFD', COURSE/DISTANCE FROM 219.78/3.07 TO 209.76/1.38; AND STEPDOWN FROM 'FANTN/1.90 NM TO RW23' TO 'ENRGA/1.28 NM RW23 TO STDFD', COURSE/DISTANCE FROM 219.78/1.90 TO 209.76/1.28 - PER ATC/FPT REQUEST TO ACCOMMODATE FAC OFFSET CHANGED FROM 10 TO 20 DEGREES; REPLACED FANTN WITH ENRGA.
6. TERMINAL ROUTES: CHANGED MISSED APPROACH SEGMENT FROM 'RW23 MAP DOVGE DF' TO 'STDFD MAP TO 1200 MSL CA', ADDED COURSE/ALTITUDE 209.76/1200 - PER ATC/FPT REQUEST, CANCELLED DOVGE, ADDED MAP STDFD, IAW 8260.58C 3-5-2.
7. TERMINAL ROUTES: CHANGED MISSED APPROACH SEGMENT FROM 'DOVGE NURBE TF' TO '1200 MSL NURBE DF' - PER ATC/FPT REQUEST, CANCELLED DOVGE, IAW 8260.58C 3-5-2.
8. MISSED APPROACH INSTRUCTIONS: CHANGED FROM 'CLIMB TO 2700 DIRECT DOVGE AND VIA TRACK 231.67 TO NURBE AND HOLD' TO 'CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2700 DIRECT NURBE AND HOLD' – PER ATC/FPT REQUEST IAW 8260.58B 3-5-2.
9. PROFILE LINE 2: CHANGED HOLD FROM 'NE AMARG, RT, 219.85 INBOUND' TO 'N GELOW, RT, 199.77 INBOUND' - IAF AMARG MOVED AND REPLACED WITH GELOW TO ACCOMMODATE FAC OFFSET
10. PROFILE LINE 3: CHANGED FAC FROM 219.78 TO 209.76, DIST FAF TO MAP/THLD FROM 4.97/4.97 TO 2.66/3.16 - PER ATC/FPT REQUEST TO ACCOMMODATE FAC OFFSET TO AVOID 3.0 NM BUFFER R-3403B, FAF CEXAR MOVED, 8260.19I, 8-6- 7.E(3).
11. PROFILE LINE 4: CHANGED MIN ALT FROM 'AMARG 2800, TETIE 2800, CEXAR 2400, FANTN/1.90 NM TO RW23 1400' TO 'GELOW 2800, TETIE 2800, CEXAR 2100, ENRGA/1.28 NM TO STDFD 1360' - PER ATC/FPT REQUEST, MULTIPLE CHANGES TO TERMINAL ROUTES.
12. PROFILE LINE 7: ADDED '20:1: IS CLEAR' - IAW 8260.19I PARA 8-6-7.G (3), UPDATED EVALUATION.
13. PROFILE LINE 8: DELETED MSA FROM RWY23 2500 - ADDED TAA PER ATC/FPT REQUEST IAW 8260.19I, PARA 8-6-7.G(1).
14. PBN REQUIREMENTS NOTE: ADDED RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
15. DELETED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.58B TABLE 1-2-1.
16. DELETED CHART PLANVIEW NOTE: 'NOPT FOR ARRIVALS AT AMARG VIA V128 NORTHWEST BOUND' – PER FPT/ATC COORDINATION, IAF AMARG MOVED AND REPLACED WITH GELOW TO ACCOMMODATE FAC OFFSET.
17. CHANGED CHART PROFILE NOTE: FROM 'VGSI AND DESCENT ANGLES NOT COINCIDENT' TO 'VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})' - IAW 8260.19I, 8-6-9.M(2).
18. ADDED CHART NOTE: CIRCLING TO RWY 15, 33 NA AT NIGHT - PER AIRNAVA DATA SURVEY AV EQUIVALENT TO NVG, 20:1 PENETRATIONS.
19. CHANGED ALTIMETER NOTE: FROM 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHELBYVILLE ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C 3/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM' TO 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHELBYVILLE ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C 3/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM - INCORPORATED CHANGES FROM FDC 1/2812 IAW 8260.19I 8-6-10.C.
20. CHANGED CHART NOTE: FROM 'VDP NA WHEN USING SHELBYVILLE ALTIMETER SETTING' TO 'VDP NA WHEN USING SHELBYVILLE MUNI ALTIMETER SETTING' - PER AIRNAV DATA.
21. ADDED CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.00 DEGREES - PER ATC/FPT REQUEST TO AVOID 3.0 NM BUFFER R-3403B.
22. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST: FROM '865 TREE 390245N/0853555W' TO '869 TREE 390411N/0853452W' – IAW 8260.19I, 8-6-10.C, REVISED MAP STUDY, CURRENT OBSTACLES.
23. ADDITIONAL FLIGHT DATA: ADDED CHART 959 TOWER 390456N/0853502W - 959 TOWER CURRENT LNAV 7:1 OBSTACLE AT ENRGA SDF.
24. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP AT FROM '1.06 NM TO RW23' TO '0.58 NM TO STDFD' - PER ATC/FPT REQUEST, CHANGES TO TERMINAL ROUTES FINAL APPROACH SEGMENTS, IAW 8260.3E 2-6-5 AND 8260.19I 8-6-10.M.
25. ADDITIONAL FLIGHT DATA: ADDED 'FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD' - PER ATC/FPT REQUEST, FAC RE-ALIGNMENT.
26. ADDITIONAL FLIGHT DATA: CHANGED FROM 'CEXAR TO RW23: 3.04/40' TO 'CEXAR TO STDFD: 3.00/40' - PER ATC/FPT REQUEST.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: AMGR, ZID

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by
ROBERT G HAMILTON
Dec 14, 2023

OFFICE

FPO

DATE

12/12/2023

DEVELOPED BY

RAFAEL A MARTINEZ

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RAFAEL A MARTINEZ
Nov 03, 2023

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DATE

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Dec 14, 2023

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TITLE
MANAGER

