

**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) Z RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> NORTH VERNON	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 757	<u>TDZE</u> 755	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/29/2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 FEBRUARY 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 2W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES **THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 25-04.**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LOPYU	IF/IAF	ELEFY		TF	FB	1.00	229.88	4.37	2800
ELEFY		BUMCE		TF	FB	1.00	229.84	4.53	2400
BUMCE	PFAF	RW23	MAP	TF	FO	0.30	229.79	4.97	
RW23	MAP	1005 MSL		CA			229.79		
1005 MSL		NURBE		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT NURBE AND HOLD

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|---|----------------------------|----------------|------------------------|--------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NE LOPYU, RT, 229.88 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 229.79 | PFAF: BUMCE | | DIST PFAF TO MAP: 4.97 | DIST PFAF TO THLD: | |
| 4. MIN ALT: LOPYU 2800, ELEFY 2800, BUMCE 2400 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 250 HAT: | 0.66 |
| 6. MIN GP INCPT: 2400 | GP ALT AT PFAF: BUMCE 2400 | | | OM: | GS ANT: |
| 7. GP ANGLE: 3.00 | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH: 40.0 | | IM: |
| 8. MSA FROM: RW23 2500 | | | | | |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GEZ ALTIMETER SETTING AND INCREASE LPV DA TO 1089 FEET ALL VISIBILITIES 1/4 SM.
CHART PLANVIEW NOTE: NOPT FOR ARRIVALS AT LOPYU ON T315 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART: JPG D MOA
CHART: JPG A AND B MOA
CHART: R-3403 A, B
CHART MUSCATATUCK NATIONAL WILDLIFE REFUGE
HOLD SW, RT, 049.62 INBOUND.
WAAS CHANNEL # 63113
REFERENCE PATH ID: W23A
LTP HAE: 196 M

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
LPV DA	1005	1	250	1005	1	250	1005	1	250		NA				

CHANGES - REASONS

- P-NOTAM ORIG-A WAS INCORPORATED IN REGARDS TO CIRCLING NOT AUTHORIZED - CIRCLING REQUIRES DESCENT ON GP TO MDA.
- UPDATED RNP VALUES IN TERMINAL ROUTES "LOPYU TO ELEFY" AND "ELEFY TO BUMCE" FROM "0.50" TO "1.00" - 8260.58C 1-2-4
- AMENDED PBN REQUIREMENTS NOTE FROM "DME/DME RNP-0.3 NA" TO "RNP APCH - GPS" - IAW 8260.19J 8-6-8(MEMO)
- ADDED "34:1 IS CLEAR" AND "20:1 IS CLEAR" - IAW 8260.19J 8-6-7(G)(3)(A)
- UPDATED PLANVIEW NOTE FROM "NOPT FOR ARRIVALS AT LOPYU VIA V128 NORTHWEST BOUND" TO "NOPT FOR ARRIVALS AT LOPYU ON V128 NORTHWEST BOUND" - IAW 8260.19J 8-2-5(E)(3)
- UPDATED BACKUP ALTIMETER NOTE FROM "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHELBYVILLE ALTIMETER SETTING AND INCREASE ALL DA 84 FEET AND ALL VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GEZ ALTIMETER SETTING AND INCREASE LPV DA TO 1089 FEET AND ALL VISIBILITIES 1/4 SM - IAW 8260.19J 8-6-10(E)(3)
- AMENDED CHART PROFILE NOTE FROM "VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19J 8-6-10(M)(1)
- ADDITIONAL FLIGHT DATA ADDED "LTP HAE: 196 M" - IAW 8260.19J 8-6-11(J)(3)
- ADDED MISSED APPROACH TO TERMINAL ROUTES - IAW 8260.19J 8-6-4 (A)(6)

12/17/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/21/2024
1. CHANGED PLANVIEW NOTE FROM "NOPT FOR ARRIVALS AT LOPYU ON V128 NORTHWEST BOUND" TO "NOPT FOR ARRIVALS AT LOPYU ON T315 NORTHWEST BOUND."

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZID, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

DAVID DANNER

Dec 20, 2024

DATE

DEVELOPED BY

CHRISTOPHER MENDENHALL

Digitally signed by

CHRIS MENDENHALL

Dec 18, 2024

OFFICE

AJV-A421

DATE

11/21/2024

APPROVED BY

BEV L BORDY

Digitally signed by

DAVID DANNER

Dec 20, 2024

OFFICE

AJV-A420

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KOVO
RW23
0
Z
0
W23A
390258.3005N
0853550.9095W
+01960
390158.3200N
0853715.5400W
00040.0
F
03.00
106.75
1224
40.0
50.0

CRC REMAINDER

760DF6E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+02301
+02301

