

**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.

<u>AIRPORT</u> ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD	<u>AIRPORT ID</u> KROA	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 24	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> ROANOKE	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 1175	<u>TDZE</u> 1170	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**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>
JAYYE	IAF	STEFN		TF	FB	1.00	185.74	9.42	5000
VULUC	IAF	CARUS		TF	FB	1.00	254.01	5.70	6200
CARUS		STEFN		TF	FB	1.00	226.21	7.39	5000
CORTR	IAF	STEFN		TF	FB	1.00	298.82	9.42	5000
STEFN	IF	DBERD	PFAF	TF	FB	0.30	262.23	5.25	3500
DBERD	PFAF	* WILHE		TF	FB	0.30	262.17	4.57	
WILHE		* FUDDZ		RF	FB	0.30	(1.70 NM RADIUS CCW (CFDZN))	0.72	
FUDDZ		* RW24	MAP	TF	FO	0.30	237.75	1.90	
RW24	MAP	1491 MSL		CA			237.75		
1491 MSL		JAYYT		DF	FB	1.00			
JAYYT		TPUCK		TF	FB	1.00	148.64	6.19	
TPUCK		MONAT		TF	FO	1.00	107.05	16.33	4000

**MISSED APPROACH**

**MAP:**

RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT JAYYT AND ON TRACK 148.64 TO TPUCK AND ON TRACK 107.05 TO MONAT AND HOLD.

\*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 217 FEET PER NM TO 3200.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT STEFN

3. FAC: \*

PFAF: DBERD

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: STEFN 5000, DBERD 3500

5. DIST TO THLD FROM OM: 7.19

MM:

IM:

150 HAT:

321 HAT: 0.88

GS ANT:

6. MIN GP INCPT: 3500

GP ALT AT PFAF : DBERD 3500, WILHE 2045, FUDDZ 1815

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.0

8. MSA FROM: RW24 5700

PBN REQUIREMENTS NOTE:

RNP AR APCH.  
RF REQUIRED.

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 PLANVIEW NOTE AT STEFN: (RNP 0.3).

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 078.00 INBOUND

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 0.15 DA**	1491	1	321	1491	1	321	1491	1	321	1491	1	321			
RNP 0.30 DA	1579	1 1/8	409	1579	1 1/8	409	1579	1 1/8	409	1579	1 1/8	409			

CHANGES - REASONS

- 05/21/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/27/19.
- TERMINAL ROUTES SECTION: CHANGED CA FROM 1552 MSL TO READ 1491 MSL. CHANGED LEG TYPE FROM TF TO READ DF FOR 1491 MSL TO JAYYT SEGMENT.
  - MISSED APPROACH INSTRUCTIONS SECTION: CHANGED "ON TRACK 237.75 TO" TO READ "DIRECT".
  - PROFILE SECTION: REMOVED 7.19 FROM DIST PFAF TO MAP ON LINE 3.
  - ADDITIONAL FLIGHT DATA SECTION: REMOVED CHART MANDATORY 3500 AT DBERD.



AIRPORT

ROANOKE-BLACKSBURG  
RGNL/WOODRUM FIELD

AIRPORT ID

KROA

PROCEDURE NAME

RNAV (RNP) Z RWY 24

ORIGINAL/AMENDMENT

ORIG

CITY

ROANOKE

STATE

VA

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDC, ROA APP CON, ROA ATCT, ARPT MGR, VA DOT

FLIGHT CHECKED BY

OFFICE

DATE

*Digitally signed by*

**ALLAN WILL**

Jul 02, 2019

DEVELOPED BY

*Digitally signed by*

MICHAEL R. GARRITY JR. **MICHAEL GARRITY**

May 21, 2019

OFFICE

AJV-A423

DATE

03/27/2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

*Digitally signed by*

**ALLAN WILL**

TITLE

MANAGER

Jul 02, 2019

