

**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 34	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> ROANOKE	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 1175	<u>TDZE</u> 1160	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 8W
<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>	<u>EPOCH YEAR</u> 2010

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>
DANCO		AYEAY		TF	FB	1.00	093.84	23.54	5600
MCHL	IAF	HARDN		TF	FB	1.00	268.92	9.43	4000
AYEAY	IAF	SAMBE		TF	FB	1.00	094.13	9.69	5200
PIGGS	IAF	ZIPAX		TF	FB	1.00	343.87	11.56	3900
HARDN	IF	SCHER		TF	FB	1.00	268.77	7.00	4000
SCHER		NAVBE	PFAF	RF	FB	1.00	(2.70 NM RADIUS CW (CFFBQ))	3.17	3800
SAMBE	IF	KAGEE		TF	FB	1.00	094.25	4.71	4500
KAGEE		NAVBE	PFAF	RF	FB	1.00	(2.70 NM RADIUS CCW (CFFBR))	5.58	3800
ZIPAX	IF	NAVBE	PFAF	TF	FB	1.00	336.03	6.36	3800
NAVBE	PFAF	RW34	MAP	TF	FB	0.30	335.98	8.17	
RW34	MAP	DMOSS		TF	FB	0.30	335.93	1.00	
DMOSS		SETHB		RF	FB	0.70	(4.89 NM RADIUS CW (CFFBP))	6.51	
SETHB		JEEVY		RF	FB	0.80	(4.89 NM RADIUS CW (CFFBP))	3.46	
JEEVY		PROSE		TF	FO	1.00	092.84	8.50	6000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 ON TRACK 335.93 TO DMOS, RIGHT TURN TO SETHB, RIGHT TURN TO JEEVY AND ON TRACK 092.84 TO PROSE AND HOLD.

**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 350 FEET PER NM TO 4100.

#MISSED APPROACH REQUIRES MINIMUM CLIMB OF 415 FEET PER NM TO 4100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2. PROFILE STARTS AT NAVBE								
3. FAC:	335.98	PFAF:	NAVBE	DIST PFAF TO MAP:		DIST PFAF TO THLD:		
4. MIN ALT: NAVBE 3800								
5. DIST TO THLD FROM OM:	8.17	MM:		IM:		150 HAT:	335	HAT: 0.93
6. MIN GP INCPT:	3800	GP ALT AT PFAF : NAVBE 3800			OM:		MM:	IM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.9	
8. MSA FROM: RW34 5700								

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PIGGS ON V258 SOUTHEAST BOUND, V136 SOUTHEAST BOUND, AND V222 SOUTHWEST BOUND.

CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30** ALL CATS VISIBILITY TO 1 3/8 SM.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO RNP 0.30.

CHART PBN REQUIREMENTS NOTE: RF REQUIRED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C OR ABOVE 54C.

CHART SPEED ICON IN PLANVIEW AT SAMBE: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT HARDN: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 069.68 INBOUND



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

ALTERNATE: NA CAT A, B, C, D 1000-4

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
AUTHORIZATION REQUIRED															
RNP 0.15 DA#	1495	1/2	335	1495	1/2	335	1495	1/2	335	1495	1/2	335			
RNP 0.30 DA**	1646	1	486	1646	1	486	1646	1	486	1646	1	486			
RNP 0.30 DA	2115	4	955	2115	4	955	2115	4	955	2115	4	955			

CHANGES - REASONS

COORDINATED WITH:

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

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by

DEVELOPED BY

TOMMY BYRNS

TOMMY BYRNS

May 12, 2019

APPROVED BY

MARLON ROBINSON

OFFICE

FICO

DATE

6/20/19

Digitally signed by

ALLAN WILL

Jul 02, 2019

OFFICE

AJV-A423

DATE

04/19/2019

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Jul 02, 2019

TITLE
MANAGER

