

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</u> ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD	<u>AIRPORT ID</u> KROA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 34	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ROANOKE	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 1175	<u>TDZE</u> 1160	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 04/28/2016	<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>
TABER		ZIPAX		TF	FO	1.00	080.20	12.05	4500
LYH VOR/DME		MONAT		TF	FB	1.00	260.68	19.77	4000
MONAT	IAF	ZIPAX	NOPT	TF	FB	1.00	260.40	9.06	3900
PIGGS	IAF	ZIPAX	NOPT	TF	FB	1.00	343.87	11.56	3900
ZIPAX	IF/IAF	NAVBE		TF	FB	1.00	336.03	6.36	3800
NAVBE	FAF	RW34	MAP	TF	FO	0.30	335.98	8.17	
RW34	MAP	2800 MSL		CA			335.98		2800
2800 MSL		PROSE		DF	FO	1.00			6000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 240 KIAS UNTIL PROSE) CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 6000 DIRECT PROSE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.
#MISSED APPROACH REQUIRES MINIMUM CLIMB OF 405 FEET PER NM TO 3900.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SE ZIPAX, RT, 336.03 INBOUND, 3900 FT. IN LIEU OF PT (IAF), MAX 10000.				
3. FAC:	335.98	FAF: NAVBE	DIST FAF TO MAP: 8.17	DIST FAF TO THLD: 8.17	
4. MIN ALT:	ZIPAX 3900, NAVBE 3800				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	400 HAT: 1.13	GS ANT:
6. MIN GP INCPT: 3800	GP ALT AT FAF : NAVBE 3800			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 55.9		
8. MSA FROM:	RW34 5700				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 6-24.
CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TABER ON V103 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LYH VOR/DME AIRWAY RADIALS 192 CW 283.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PIGGS ON V258 SOUTHEAST BOUND.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV OR LNAV CAT C/D.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV# ALL CATS VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

FAS OBST: 2265 AAO 371126N/0795336W
CHART CIRCLING ICON.
CHART VDP AT 4.47 NM TO RW34*
*LNAV ONLY
WAAS CHANNEL #70722
REFERENCE PATH ID: W34A
HOLD W, LT, 069.68 INBOUND
LTP HAE: 316 M



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

ALTERNATE: NA ☐ CAT A, B, C 1500-5, CAT D 1700-5

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#	1560	3/4	400	1560	3/4	400	1560	3/4	400	1560	3/4	400			
LPV DA	2568	5	1408	2568	5	1408	2568	5	1408	2568	5	1408			
LNAV/VNAV DA	2300	4	1140	2300	4	1140	2300	4	1140	2300	4	1140			
LNAV MDA	2640	3/4	1480	2640	1	1480	2640	3	1480	2640	3	1480			
CIRCLING	2640	1 1/4	1465	2640	1 1/2	1465	2640	3	1465	2820	3	1645			

CHANGES - REASONS

1. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 34 TO: RNAV (GPS) Y RWY 34. - NEW RNP PROCEDURES FOR SAME RUNWAY.
2. CHANGED NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 36C (96F) TO: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C OR ABOVE 54C. - IAW 8260.19H 8-6-9 S.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH AND REMOVED DME/DME RNP-0.3 NA - IAW 8260.19H PARA 8-6-8 B(1)
4. FIX NAVBE MOVED 0.81 FT NE DUE TO REQUIRED NEW RNP Z APPROACH TO RWY 34.
5. REMOVED CHART NOTE: CIRCLING TO RWY 16 NA. - CIRCLING NW OF RWY 6-24 IS ALREADY RESTRICTED.
6. CHART NOTE: # FOR INOPERATIVE ALS, INCREASE LPV# ALL CATS VISIBILITY TO 1 1/8 SM. - VISCHECK RESULTS.
7. CRC REMAINDER CHANGED FROM: FAACF7EF TO: C78A4713. - ADDING ROUTE DESIGNATOR "Y" FOR APPROACH.
8. MISSED APPROACH INSTRUCTIONS CHANGED FROM: "CLIMBING RIGHT TURN TO 6000 DIRECT FOSER AND HOLD" TO: "CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 6000 DIRECT PROSE AND HOLD, CONTINUE CLIMB IN HOLD TO 6000" #MISSED APPROACH REQUIRES MINIMUM CLIMB OF 405 FEET PER NM TO 3900. - IAW FAAO 8260.58A 3-5-2 AND FAAO 8260.3 SECTION 17-7.

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
May 12, 2019

APPROVED BY
MARLON ROBINSON

OFFICE

FICO

OFFICE

AJV-A423

OFFICE

AJV-A420

DATE

6/20/19

DATE

03/07/2019

DATE

Digitally signed by

ALLAN WILL

Jun 28, 2019

Digitally signed by

ALLAN WILL

Jun 28, 2019

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KROA
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	371855.5745N
LTP/FTP LONGITUDE	0795813.8570W
LTP/FTP ELLIPSOIDAL HEIGHT	+03160
FPAP LATITUDE	372011.1660N
FPAP LONGITUDE	0795913.1775W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0976
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	C78A4713
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03484
FPAP ORTHOMETRIC HEIGHT	+03484

