

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 24	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ROANOKE	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 1175	<u>TDZE</u> 1170	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/25/2017	<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>
HOBOS		GECEP		TF	FB	1.00	148.00	9.50	6400
GECEP		CARUS		TF	FB	1.00	196.30	5.62	6400
RADIA		VULUC		TF	FB	1.00	254.13	9.62	6400
VULUC		CARUS		TF	FB	1.00	254.01	5.70	6400
LYH VOR/DME		CARUS		TF	FB	1.00	316.09	23.97	6400
CARUS	IAF	PROSE		TF	FB	1.00	253.95	5.00	4700
PROSE	IF	HIBAN		TF	FB	1.00	250.00	6.29	3700
HIBAN	FAF	WUDAG/6.40 NM TO RW24		TF	FB	0.30	237.81	1.43	
WUDAG/6.40 NM TO RW24		RW24	MAP	TF	FO	0.30	237.81	6.40	
RW24	MAP	1575 MSL		CA			237.81		
1575 MSL		MONAT		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: RW24
 LNAV: RW24

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 4000 DIRECT MONAT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT PROSE

3. FAC:

237.81

FAF: HIBAN

DIST FAF TO MAP: 7.83

DIST FAF TO THLD: 7.83

4. MIN ALT: PROSE 4700, HIBAN 3700, WUDAG/6.40 NM TO RW24 3220

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 NOT CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: RW24 5700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 6-24.
CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LYH VOR/DME AIRWAY RADIALS 235 CW 014.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT HOBOS ON V140-473 WESTBOUND AND V473 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
WAAS CHANNEL #99522
REFERENCE PATH ID: W24A
CHART FAS OBST: 2407 TOWER 372225N/0795536W.
FAS OBST: 2719 AAO 372349N/0795141W.
2727 AAO 372430N/0795033W, 2859 AAO 372354N/0795116W.
HOLD W, RT, 078.00 INBOUND
LTP HAE: 319.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1900-2, CAT C, D 1900-3

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
LP MDA	2500	1 1/4	1330	2500	1 1/2	1330	2500	3	1330	2500	3	1330			
LNAV MDA	3000	1 1/4	1830	3000	1 1/2	1830	3000	3	1830	3000	3	1830			
CIRCLING	3000	1 1/4	1825	3000	1 1/2	1825	3000	3	1825	3000	3	1825			



CHANGES - REASONS

- 1. ALL SECTIONS: CHANGED LYH VORTAC TO READ LYH VOR/DME - FACILITY IS NOW VOR/DME.
- 2. PROCEDURE NAME: CHANGED FROM RNAV (GPS) RWY 24 TO READ RNAV (GPS) Y RWY 24 - FPT REQUEST VIA IFPR.
- 3. TERMINAL ROUTES SECTION: CHANGED HOBOS TO GECEP, GECEP TO CARUS, VULUC TO CARUS, AND LYH VOR/DME TO CARUS FEEDER SEGMENT ALTITUDES FROM 6200 TO READ 6400 - NEW VULUC TO CARUS SEGMENT CONTROLLING OBSTACLE INCREASED MIN ALTITUDE AT CARUS TO 6400.
- 4. TERMINAL ROUTES SECTION: CHANGED RADIA TO VULUC FEEDER SEGMENT DISTANCE FROM 11.02 TO READ 9.62 - VULUC COORDINATES UPDATED TO FACILITATE MINIMUM INITIAL SEGMENT LENGTH FOR NEW RWY 24 RNP PROCEDURE.
- 5. TERMINAL ROUTES SECTION: CHANGED VULUC TO CARUS FEEDER SEGMENT COURSE FROM 253.99 TO READ 254.01 AND DISTANCE FROM 4.30 TO READ 5.70 - VULUC COORDINATES UPDATED TO FACILITATE MINIMUM INITIAL SEGMENT LENGTH FOR NEW RWY 24 RNP PROCEDURE.
- 6. TERMINAL ROUTES SECTION: CHANGED PROSE TO HIBAN INTERMEDIATE SEGMENT COURSE FROM 250.03 TO READ 250.00 AND DISTANCE FROM 6.27 TO READ 6.29 - HIBAN COORDINATES UPDATED/FACILITATED VDA INCREASE FROM 2.99 DEGREES TO 3.00 DEGREES TO MATCH VGSI ANGLE.
- 7. TERMINAL ROUTES SECTION: CHANGED HIBAN TO WUDAG FINAL SEGMENT DISTANCE FROM 1.45 TO READ 1.43 - HIBAN COORDINATES UPDATED/FACILITATED VDA INCREASE FROM 2.99 DEGREES TO 3.00 DEGREES TO MATCH VGSI ANGLE.
- 8. PROFILE SECTION: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 7.85 TO READ 7.83 ON LINE 3 - HIBAN COORDINATES UPATED/FACILITATED VDA INCREASE FROM 2.99 DEGREES TO 3.00 DEGREES TO MATCH VGSI ANGLE.
- 9. PROFILE SECTION: ADDED 20:1 IS CLEAR ON LINE 7 - REQUIRED DOCUMENTATION BY CRITERIA.
- 10. PBN REQUIREMENTS NOTE SECTION: ADDED RNP APCH - REQUIRED DOCUMENTATION BY CRITERIA.
- 11. NOTES SECTION: REMOVED CHART NOTE: DME/DME RNP-0.3 NA - NO LONGER REQUIRED BY CRITERIA.
- 12. NOTES SECTION: ADDED RWY 24 TO HELICOPTER VISIBILITY CHART NOTE - REQUIRED DOCUMENTATION BY CRITERIA.
- 13. ADDITIONAL FLIGHT DATA SECTION: REMOVED 2870 AAO/ADDED 2726 AAO 7:1 OBSTACLES - HIBAN COORDINATES UPDATED/FACILITATED VDA INCREASE FROM 2.99 DEGREES TO 3.00 DEGREES TO MATCH VGSI ANGLE. WUDAG 7:1 OBSTACLE FOR LP FINAL SEGMENT INCLUDED IN THIS AMENDMENT.
- 14. FAS DATA BLOCK INFORMATION SECTION: CHANGED FPAP LATITUDE DECIMAL PORTION FROM .7900 TO READ .7825, FPAP LONGITUDE DECIMAL PORTION FROM .8600 TO READ .8610, AND CRC REMAINDER FROM F2BA3EFC TO READ 9DA4BC13 - HIBAN COORDINATES UPDATED/FACILITATED VDA INCREASE FROM 2.99 DEGREES TO 3.00 DEGREES TO MATCH VGSI ANGLE.

COORDINATED WITH:

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

FLIGHT CHECKED BY

BOB S PRESSLER

OFFICE

FICO

DATE

6/20/19

Digitally signed by

ALLAN WILL

Jul 02, 2019

DEVELOPED BY

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

Digitally signed by

May 09, 2019

OFFICE

AJV-A423

DATE

04/01/2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Jul 02, 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	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	371958.4555N
LTP/FTP LONGITUDE	0795805.6375W
LTP/FTP ELLIPSOIDAL HEIGHT	+03196
FPAP LATITUDE	371900.7825N
FPAP LONGITUDE	0795930.8610W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	9DA4BC13

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03520
FPAP ORTHOMETRIC HEIGHT	+03520

