

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> RMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> STAFFORD	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 219	<u>TDZE</u> 195	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/06/2022
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 10W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 24-09.									
<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>
ZUNAR		GRUBY		TF	FB	1.00	322.42	10.58	3000
PEGBY		GRUBY		TF	FB	1.00	019.37	7.87	3000
GRUBY	IAF	RISVE		TF	FB	1.00	301.89	5.73	3000
RISVE	IF	CODAC		TF	FB	1.00	329.26	6.21	2000
CODAC	FAF	JAVIK/2.40 NM TO RW33		TF	FB	0.30	329.21	3.20	
JAVIK/2.40 NM TO RW33		RW33	MAP	TF	FO	0.30	329.21	2.40	
RW33	MAP	700 MSL		CA			329.21		700
700 MSL		FALKO		DF	FO	1.00			3000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3000 DIRECT FALKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT RISVE
3. FAC: 329.21
- FAC: CODAC
- DIST FAF TO MAP: 5.60
- DIST FAF TO THLD: 5.60
4. MIN ALT: RISVE 3000, CODAC 2000, JAVIK/2.40 NM TO RW33 980
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.71 GS ANT: MM: IM:
6. MIN GP INCPT: 2000 GP ALT AT PFAF: CODAC 2000
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 45.6
8. MSA FROM: RW33 2500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

CHART NOTE: CIRCLING RWY 15 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRUBY ON V286 SOUTHEAST BOUND AND V376 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 030.85 INBOUND.

CHART FAS OBST: 412 TOWER (51-020447) 382246N/0772507W.

CHART DEMO MOA.

CHART WALKER MOA. 

CHART R-6601.

CHART R-6611A.

CHART R-6612.

CHART VDP AT 1.44 NM TO RW33.

WAAS CHANNEL # 81805

REFERENCE PATH ID: W33A

LTP HAE: 19.8 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD; STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<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>
LPV DA	445	3/4	250	445	3/4	250	445	3/4	250	445	3/4	250			
LNAV/VNAV DA	680	1 1/8	485	680	1 1/8	485	680	1 1/8	485	680	1 1/8	485			
LNAV MDA	680	3/4	485	680	3/4	485	680	1 1/8	485	680	1 1/8	485			
CIRCLING	720	1	501	820	1	601	820	1 3/4	601	1040	2 3/4	821			

CHANGES - REASONS

1. UPDATED AIRPORT ELEVATION FROM 211 TO 219. – RWY 15/33 EXTENSION; NEW SURVEY COMPLETED.
2. DECREASED LPV DA/HAT FROM 450/255 TO 445/250. – NEW OBSTACLE EVALUATION.
3. DECREASED LNAV/VNAV DA/HAT FROM 765/570 TO 680/570; VISIBILITY FROM 1 3/8 TO 1 1/8. - LNAV/VNAV CONTROLLER IN SLOPED SURFACE; LOWERED TO MATCH LNAV MDA/HAT IAW 8/260.58C 3-3-5.
4. DECREASED LNAV MDA/HAT 700/505 TO 680/485; VISIBILITY CAT C/D FROM 1 1/2 TO 1 1/8. – NEW OBSTACLE EVALUATION; IAW 8260-3E TABLE 3-3-1.
5. DECREASED CIRCLING CAT A HAA FROM 509 TO 501; CAT B HAA FROM 609 TO 601; CAT C MDA/HAA FROM 840/629 TO 820/601; CAT D HAA FROM 829 TO 821. – NEW OBSTACLE EVALUATION; AIRPORT ELEVATION UPDATED.
6. TERMINAL ROUTES: UPDATED INTERMEDIATE RISVE TO CODAC LENGTH FROM 6.30 TO 6.21. – FAF CODAC MOVED TO GPA/TCH 3.00/45.6.
7. TERMINAL ROUTES: UPDATED CODAC TO JAVIK/2.40 TO RW33 FROM 3.11 TO 3.20. – FAF CODAC MOVED TO GPA/TCH 3.00/45.6.
8. UPDATED MISSED APPROACH INSTRUCTIONS FROM “CLIMB TO 4000 DIRECT KOBEC AND LEFT TURN ON TRACK 209 TO TECOV AND LEFT TURN ON TRACK 151 TO FALKO AND HOLD” TO “CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3000 DIRECT FALKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.” – PER FPT REQUEST.
9. LINE 3: UPDATED DIST FAF TO MAP/THLD FROM 5.51 TO 5.60. - FAF CODAC MOVED.
10. LINE 4: REMOVED *, AND *LNAV ONLY FROM ADDITIONAL FLIGHT DATA. - NO LONGER REQUIRED.
11. LINE 5: UPDATED DIST TO THLD FROM 255 HAT: 0.72 TO 250 HAT: 0.71. - DECREASED LPV HAT.
12. LINE 7: UPDATED GP ANGLE FROM 3.05 TO 3.00. – TO MATCH ILS OR LOC RWY 33.
13. UPDATED PBN REQUIREMENTS NOTE: FROM RNP APCH TO RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
14. REMOVED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBLTY TO 1 3/8 SM. – NO LONGER REQUIRED PER EVALUATION.
15. ADDED CHART NOTE: CIRCING RWY 15 NA AT NIGHT. – RWY 15 HAS 20:1 PENETRATIONS.
16. ADDITIONAL FLIGHT DATA: CHART VDP AT 1.51 NM TO RW33* UPDATED TO 1.44 NM TO RW33. – NEW DISPLACED THRESHOLD LOCATION; * NO LONGER REQUIRED.
17. ALTERNATE MINIMUMS – ADDED “NA WHEN LOCAL WEATHER NOT AVAILABLE.” – IAW 8260.19I 8-6-11 B(4).
18. FAS DATA: UPDATED LTP/FTP LATITUDE/LONGITUDE FROM 382334.4600N/0772659.1400W TO 382334.4535N/0772659.1380W. – RWY 15/33 EXTENSION; NEW SURVEY COMPLETED.
19. FAS DATA: FPAP LATITUDE/LONGITUDE UPDATED FROM 382411.8500N 0772740.2200W TO 382441.9225N/0772813.2725W. – RWY 15/33 EXTENSION; NEW SURVEY COMPLETED
20. FAS DATA: UPDATED LENGTH OFFSET FROM 1224 TO 0920. - RWY 15/33 EXTENSION.
21. FAS DATA: UPDATED CRC REMAINDER FROM 68CC6159 TO 3894CE48. – UPDATED LTP/FTP & FPAP LATITUDE/LONGITUDE, AND LENGTH OFFSET.

03/12/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/16/2024.
ADDITIONAL FLIGHT DATA: DELETED HILL MOA , CHART WALKER MOA.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZDC, NYG APP CON, PCT APP CON, A/P MGR, VA DOT

FLIGHT CHECKED BY

Digitally signed by

CASIMIR L TABAKA

Feb 22, 2024

OFFICE

FPO

DATE

02/21/2024

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

CASIMIR L TABAKA

Jan 16, 2024

OFFICE

AJV-A432

DATE

11/08/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Jan 16, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER



AIRPORT ID
RMN

PROCEDURE NAME
RNAV (GPS) RWY 33

ORIGINAL/AMENDMENT
2

CITY
STAFFORD

STATE
VA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRMN
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	382334.4535N
LTP/FTP LONGITUDE	0772659.1380W
LTP/FTP ELLIPSOIDAL HEIGHT	+00198
FPAP LATITUDE	382441.9225N
FPAP LONGITUDE	0772813.2725W
THRESHOLD CROSSING HEIGHT (TCH)	00045.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	3894CE48
---------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00522
FPAP ORTHOMETRIC HEIGHT	+00522

