

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> ILS OR LOC RWY 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> STAFFORD	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 219	<u>TDZE</u> 195	<u>SUPERSEDED</u> ILS OR LOC RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 12/02/2021
<u>FACILITY</u> I-RMN	<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>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BRV VORTAC		WALOX INT/I-RMN 10.51 DME					166.31	4.00	3000
WALOX INT/I-RMN 10.51 DME	IF/IAF	CODAC INT/I-RMN 6.75 DME					329.16	3.76 (I-RMN)	2000

MISSED APPROACH

MAP:
ILS: DA
LOC: 5.60 NM AFTER CODAC INT/I-RMN 6.75 DME OR AT I-RMN 1.15 DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2100 DIRECT BRV VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2100.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):
CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT EZF NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD SE WALOX, RT, 329.16 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 4000.
3. FAC: 329.16

FAF: CODAC INT/I-RMN 6.75 DME

DIST FAF TO MAP: 5.60

DIST FAF TO THLD: 5.60
4. MIN ALT: WALOX INT/I-RMN 10.51 DME 3000, CODAC INT/I-RMN 6.75 DME 2000, JAVIK INT/I-RMN 3.55 DME 980
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT: 775
6. MIN GS INCPT: 2000

GS ALT AT PFAF: CODAC INT/I-RMN 6.75 DME 2000

OM:

MM:

IM:
7. GS ANGLE: 3.00

34:1:

20:1:

TCH: 45.6
8. MSA FROM: BRV VORTAC 020-200 1800, 200-020 2500



EQUIPMENT REQUIREMENTS NOTES:

ADF OR DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING RWY 15 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 315.63 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE EZF NDB, LT, 237.00 INBOUND.
CHART FAS OBST: 265 TREE (51-023433) 382308N/0772621W.
CHART DEMO MOA.
CHART HILL MOA.
CHART R-6601.
CHART R-6611A.
CHART R-6612.
CHART VDP AT 2.22 DME.
DISTANCE VDP TO THLD 1.07 NM.
CHART IN PLANVIEW: EZF NDB.

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

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
S-ILS 33	445	3/4	250	445	3/4	250	445	3/4	250	445	3/4	250			
S-LOC 33	560	3/4	365	560	3/4	365	560	3/4	365	560	3/4	365			
CIRCLING	720	1	501	820	1	601	820	1 3/4	601	1040	2 3/4	821			

QUALITY
34
CHECKED

CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 211 TO 219; TDZE CHANGED FROM 196 TO 195. - NEW AIRNAV DATA INCORPORATED.
2. INCREASED S-ILS ALL CATS DA/HAT FROM 396/200 TO 445/250 – NEW CONTROLLING OBSTACLE.
3. DECREASED S-LOC ALL CATS MDA/HAT FROM 580/384 TO 560/365; VISIBILITY CAT D FORM 1 1/4 SM TO 3/4 SM. - NEW OBSTACLE EVALUATION.
4. 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 ELEVATON UPDATED.
5. TERMINAL ROUTES: ADDED FEEDER FROM BRV TO WALOX INT/I-RMN 10.51 DME (IF/IAF). - TEARDROP REMOVED; HOLD-IN-LIEU ADDED.
6. TERMINAL ROUTES: UPDATED WALOX DME DISTANCE FROM 10.35 TO 10.51; CODAC FROM 6.50 TO 6.75; SEGMENT DISTANCE FROM 3.86 TO 3.76. – FAF MOVED TO MAINTAIN 3.00/45.6 GPA/TCH.
7. LOC MAP UPDATED FROM “5.51 NM AFTER CODAC INT/I-RMN 6.50 DME OR AT I-RMN 0.99 DME” TO “5.60 NM AFTER CODAC INT/I-RMN 6.75 DME OR AT I-RMN 1.15 DME.” – FAF CODAC MOVED.
8. MISSED APPROACH INSTRUCTIONS: UPDATED CLIMB TO ALTITUDE FROM 600 TO 700, 2000 TO 2100; ADDED “CONTINUE CLIMB-IN-HOLD TO 2100.” – LOWEST DA, MDA OR 400FT ABOVE AIRPORT ELEVATION; INCREASED TERMINATION ALTITUDE TO MATCH VOR RWY 33; MISSED APPROACH REQUIRES CLIMB-IN-HOLD.
9. UPDATED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM “OR WHEN DIRECTED BY ATC CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2000 DIRECT EZF NDB AND HOLD NE, LT, 237.00 INBOUND. ADF REQUIRED.” TO “CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT EZF NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.” – UPDATED FORMS, CLIMB-IN-HOLD REQUIRED.
10. LINE 2: REMOVED "TEARDROP R-122 (BRV VORTAC) (IAF) OUTBOUND TO HIGAP INT/10.00 DME, 329.16 (I-RMN) INBOUND, 3000 FT @"; ADDED "HOLD SE WALOX, RT, 329.16 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 4000." - TEARDROP REMOVED; HOLD-IN-LIEU ADDED PER ATC/FPT.
11. LINE 3: UPDATED DIST FAF TO MAP/THLD FROM 5.51 TO 5.60. - FAF CODAC MOVED
12. LINE 4: UPDATED FROM "WALOX 3000, CODAC 2000, JAVIK INT/I-RMN 3.39 DME 940" *LOC ONLY" TO "WALOX INT/I-RMN 10.51 DME 3000, CODAC INT/I-RMN 6.75 DME 2000, JAVIK INT/I-RMN 3.55 DME 980." – FIXES DESCRIBED IAW 8260.19I; */NOTE NO LONGER REQUIRED.
13. LINE 6: UPDATED GS ALT AT: FROM "CODAC 2000" TO "CODAC INT/I-RMN 6.75 DME 2000." - IAW 8260.19I 8-6-7 F.
14. MOVED NOTE: DME OR ADF REQUIRED TO EQUIPMENT REQUIREMENTS NOTES. - IAW 8260.19I 8-6-8.
15. REMOVED *980 WHEN USING SHANNON, FREDERICKSBURG, VA ALTIMETER SETTING. – REMOTE ALTIMETER ADJUSTMENT FIGURED INTO STEPDOWN ALTITUDE.
16. REMOVED NOTE "@TO WALOX INT/I-RMN 10.35 DME." - TEARDROP REMOVED; NO LONGER REQUIRED.
17. CHART NOTE: MOVED ALTERNATE ALTIMETER NOTE TO 8260-9 PART C - REMARKS. – IAW 8260.19H 8-6-9 F.
18. UPDATED CHART NOTE: FROM "INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 33 AND TO S-LOC CATS B AND C" TO "INOPERATIVE TABLE DOES NOT APPLY." - IAW WITH INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE.
19. UPDATED ADDITIONAL FLIGHT DATA: FROM “HOLD SE, RT, 314.42 INBOUND” TO “HOLD SE, RT, 315.63 INBOUND.” – MA HOLD UPDATED TO MATCH VOR RWY 33 HOLDING.
20. ADDED CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE EZF NDB, LT, 237.00 INBOUND. – IAW 8260.19I 8-6-6 H(2).
21. UPDATED ADDITIONAL FLIGHT DATA: FROM “FAS OBST: 329 TREE 382308/772613” TO “CHART FAS OBST: 265 TREE (51-023433) 382308N/0772621W.” – NEW LOC STEPDOWN CONTROLLING OBSTACLE.
22. ADDED ADDITIONAL FLIGHT DATA “CHART VDP AT 2.22 DME. DISTANCE VDP TO THLD 1.07 NM.” - IAW 8260.19I 8-6-10 M.
23. ADDED ADDITIONAL FLIGHT DATA "CHART R-6601." - IAW 8260.19I 8-6-10.
24. REMOVED ADDITIONAL FLIGHT DATA: CHART (AFUWY). - CNF REMOVED.
25. UPDATED ALTERNATE MINIMUMS: NA TO "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE." – PRIMARY NAVAID IS CAT 1; ALTERNATE MINIMUMS ARE PREMITTED.

COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

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

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

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

11/20/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Jan 16, 2024

OFFICE

AJV-A430

DATE

TITLE

MANAGER

QUALITY
34
CHECKED