

**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> BTV	<u>PROCEDURE NAME</u> ILS OR LOC RWY 33	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> BURLINGTON	<u>STATE</u> VT
<u>AIRPORT ELEVATION</u> 335	<u>TDZE</u> 334	<u>SUPERSEDED</u> ILS OR LOC/DME RWY 33	<u>ORIGINAL/AMENDMENT</u> 1D	<u>DATED</u> 12/01/2022
<u>FACILITY</u> I-VOE	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 15W
				<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BTV VOR/DME		JANUD/I-VOE 19.95 DME/RADAR					132.93	19.16	7000
MPV VOR/DME	IAF	JANUD/I-VOE 19.95 DME/RADAR	NOPT				319.45	17.62	7000
JANUD/I-VOE 19.95 DME/RADAR	IF/IAF	NIDUQ/I-VOE 15.00 DME					325.83 (I-VOE)	4.95	5400
NIDUQ/I-VOE 15.00 DME		HONIB/I-VOE 12.80 DME					325.83 (I-VOE)	2.20	4700
HONIB/I-VOE 12.80 DME		EHIKO/I-VOE 9.87 DME/RADAR					325.83 (I-VOE)	2.93	3800

MISSED APPROACH

MAP:

ILS: DA
LOC: 10.04 NM AFTER EHIKO/I-VOE 9.87 DME/RADAR OR AT I-VOE 0.18 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 DIRECT BTV VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.
(TACAN AIRCRAFT CLIMB TO 6000 ON HEADING 325.83 FOR RADAR VECTORS. RADAR REQUIRED).

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE JANUD/I-VOE 19.95 DME/RADAR, RT, 325.83 INBOUND, 7000 FT. IN LIEU OF PT (IAF), MAX 10000.
- FAC: 325.83 FAF: EHIKO/I-VOE 9.87 DME/RADAR DIST FAF TO MAP: 10.04 DIST FAF TO THLD: 10.04
- MIN ALT: JANUD/I-VOE 19.95 DME/RADAR 7000, NIDUQ/I-VOE 15.00 DME 5400, HONIB/I-VOE 12.80 DME 4700, EHIKO/I-VOE 9.87 DME/RADAR 3800, JIDSO/I-VOE 7.22 DME 2900, KOTDE/I-VOE 3.98 DME 1800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 998
- MIN GS INCPT: 3800 GS ALT AT PFAF: EHIKO/I-VOE 9.87 DME/RADAR 3800 OM: MM: IM:
- GS ANGLE: 3.20 34:1: 20:1: TCH: 55.2
- MSA FROM: BTV VOR/DME 270-360 4900, 360-270 5800

QUALITY
35
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: CIRCLING RWY 1 NA AT NIGHT.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA.
CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS-33 ALL CATS VISIBILITY TO RVR 4500.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC-33 CATS C, D AND E.

ADDITIONAL FLIGHT DATA:

CHART R-6501 A & B.
CHART IN PROFILE VIEW: I-VOE DME ANTENNA.

HOLD SW, LT, 036.00 INBOUND.
CHART FAS OBST: 980 TREE (50-034236) 442533N/0730521W.
CHART VDP AT 2.32 DME.
DISTANCE VDP TO THLD 2.49 NM.
CHART CIRCLING ICON.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D, E 1100-3, NA WHEN CONTROL TOWER CLOSED.

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	608	4000	274	608	4000	274	608	4000	274	608	4000	274	608	4000	274
S-LOC 33	1240	5500	906	1240	5500	906	1240	2 1/2	906	1240	2 1/2	906	1240	2 1/2	906
CIRCLING	1240	1 1/4	905	1240	1 1/4	905	1240	2 3/4	905	1380	3	1045	1400	3	1065



CHANGES - REASONS

1. PROCEDURE NAME: CHANGED FROM "ILS OR LOC/DME RWY 33" TO "ILS OR LOC RWY 33" – NEW NAMING CONVENTION PER 8260.3E.
2. TERMINAL ROUTES: SEGMENT BTV VOR/DME TO JANUD, CHANGED COURSE FROM "132.94" TO "132.93" – NEW EVAL.
3. TERMINAL ROUTES: SEGMENT JANUD TO NIDUQ, CHANGED ALTITUDE FROM 5500 TO 5400" – TO PRECLUDE DG WAIVER REQUIREMENT/ATC APPROVES.
4. 3. TERMINAL ROUTES: SEGMENT NIDUQ TO HONIB, CHANGED ALTITUDE FROM 4800 TO 4700" – TO PRECLUDE DG WAIVER REQUIREMENT/ATC APPROVES.
5. TERMINAL ROUTES: SEGMENT HONIB TO EHIKO, CHANGED FROM "EHIKO/9.61 DME/RADAR" TO "EHIKO/9.87 DME/RADAR", CHANGED DISTANCE FROM "3.19" TO "2.65" – FIX EHIKO MOVED.
6. MISSED APPROACH MAP: LOC, CHANGED FROM "9.78 MILES AFTER EHIKO/I-VOE 9.61 DME/RADAR" TO "10.04 NM AFTER EHIKO/I-VOE 9.87 DME/RADAR OR AT I-VOE 0.18 DME" – MOVED FIX EHIKO.
7. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2800 DIRECT BTV VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2800, OR AS DIRECTED BY ATC" TO "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 DIRECT BTV VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. (TACAN AIRCRAFT CLIMB TO 6000 ON HEADING 325.83 FOR RADAR VECTORS. RADAR REQUIRED)" – ATC REQUEST IAW LOCAL AGREEMENT WITH VTANG.
8. ALTERNATE MISSED APPROACH INSTRUCTIONS: REMOVED "CLIMB TO 3000 DIRECT HERRO LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000 (ADF REQUIRED)" – ATC REQUEST DUE TO LACK OF SUITABLE NAVAIDS/LACK OF NDB EQUIPPED AIRCRAFT.
9. PROFILE LINE 2: CHANGED FROM "HOLD SE JANUD, RT, 325.83 INBOUND, 7000 FT. IN LIEU OF PT (IAF)" TO "HOLD SE JANUD/I-VOE 19.95 DME/RADAR, RT, 325.83 INBOUND, 7000 FT. IN LIEU OF PT (IAF), MAX 10000." – IAW 8260.19, 8-6-7.B.(2).
10. PROFILE LINE 3: CHANGED FAF FROM "EHIKO/9.61 DME/RADAR" TO "EHIKO/9.87 DME/RADAR", CHANGED DIST FAF TO MAP AND FAF TO THLD FROM "9.78" TO "10.04" – FAF EHIKO MOVED.
11. PROFILE LINE 4: MIN ALT CHANGED FROM "JANUD 7000, NIDUQ 5500, HONIB 4800, EHIKO 3800, JIDSO/7.00 DME 2900", KOTDE/4.00 DME 1800, WATIP/2.20 DME 1240" TO "JANUD/I-VOE 19.95 DME/RADAR 7000, NIDUQ/I-VOE 15.00 DME 5500, HONIB/12.80 DME 4700, EHIKO/9.87 DME/RADAR 3800, JIDSO/7.22 DME 2900, KOTDE/3.98 DME 1800" – FAF AND FINAL SDFS MOVED/REMOVED SDF WATIP/2.20 DME 1240.
12. PROFILE LINE 8: CHANGED MSA FROM "BTV VOR/DME 360-270 5900, 270-360 4900" TO "BTV VOR/DME 360-270 5800, 270-360 4900" – NEW OBSTACLES
13. NOTES: CHANGED FROM "FOR INOP ALS, INCREASE S-ILS 33 CAT A/B VISIBILITY TO RVR 4500 AND S-LOC 33 CAT E TO 2 SM" TO "FOR INOPERATIVE ALS, INCREASE S-ILS-33 ALL CATS VISIBILITY TO RVR 4500" – NEW VISIBILITY TABLES.
14. NOTES: ADDED "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC-33 CATS C, D AND E – NEW VISIBILITY TABLES/IAW 8260.19J, 8-6-11, O.3.(C).
15. ADDITIONAL FLIGHT DATA: FAS OBSTACLE CHANGED FROM "CHART FAS OBST: 553 TREE 442633N/0730624W" TO "CHART FAS OBST: 980 TREE (50-034236) 442533N/0730521W." – NEW CONTROLLING OBSTACLE.
16. ADDITIONAL FLIGHT DATA: REMOVED "CHART: 941 TREE 442552N/0730556W" AND REMOVED "CHART 1139 TREE 442528N/0730303W" – NEW MAP STUDY.
17. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 1.03 DME" TO "CHART VDP AT 2.32 DME", CHANGED FROM "DISTANCE VDP TO THLD 1.20 MILES" TO "DISTANCE VDP TO THLD 2.49 NM" AND REMOVED "LOC ONLY" – VDP CHANGED, NEW MDA/NO LONGER REQUIRED TO NOTE "LOC ONLY.
18. ADDITIONAL FLIGHT DATA: CHANGED "CHART I-VOE DME ANTENNA IN PROFILE VIEW" TO "CHART IN PROFILE VIEW: I-VOE DME ANTENNA" – NEW FORMAT.
19. MINIMUMS: ADDED S-ILS 33 CAT E DA/VIS/HAT "608/40/274" - USAF REQUEST.
20. MINIMUMS: CHANGED S-LOC CATS A/B MDA/VIS/HAT FROM "1020/40/686" TO "1240/55/906", CHANGED CAT C/D MDA/VIS/HAT FROM "1020/1 3/4/686" TO "1240/2 1/2/906" AND CHANGED CAT E FROM "1020/1 3/4/686" TO "1240/2 1/2/906" – NEW CONTROLLING OBSTACLE.
21. MINIMUMS: CHANGED CIRCLING CAT A/B FROM "1020/1/685" TO "1240/1 1/4/905," CHANGED CAT C FROM "1220/2 3/4/885" TO "1240/2 3/4/905," AND CHANGED CAT E FROM "1380/3/1045" TO "1400/3/1065" – NEW CONTROLLING OBSTACLES.
22. ALTERNATE MINIMUMS: CHANGED CEILING/VIS CAT A AND B FROM STANDARD TO "1000-2," AND CHANGED CAT C FROM "900-2 3/4" TO "1000-2 3/4" – NEW VISIBILITY CHARTS/NEW MDAS.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER: ZBW, BTV APP CON, BTV ATCT, AMGR, HQ USAF/ANG

FLIGHT CHECKED BY

DAVIN C O'BRIEN

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FPO

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