

**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SUPERSEDED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>DATED</u> 12/01/2022	<u>MAG VAR</u> 15W
<u>FACILITY</u> I-VOE	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD SE JANUD/I-VOE 19.95 DME/RADAR, RT, 325.83 INBOUND, 7000 FT. IN LIEU OF PT (IAF), MAX 10000.
3. **FAC:** 325.83 **FAF:** EHIKO/I-VOE 9.87 DME/RADAR **DIST FAF TO MAP:** 10.04 **DIST FAF TO THLD:** 10.04
4. **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
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 998
6. **MIN GS INCPT:** 3800 **GS ALT AT PFAF:** EHIKO/I-VOE 9.87 DME/RADAR 3800 **OM:** **MM:** **IM:**
7. **GS ANGLE:** 3.20 **34:1:** **20:1:** **TCH:** 55.2
8. **MSA FROM:** BTV VOR/DME 270-360 4900, 360-270 5800



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/1-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.



AIRPORT ID
BTV

PROCEDURE NAME
ILS OR LOC RWY 33

ORIGINAL/AMENDMENT
2

CITY
BURLINGTON

STATE
VT

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

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

FLIGHT CHECKED BY

DAVIN C O'BRIEN

OFFICE

FPO

DATE

09/04/2024

DEVELOPED BY

APRIL SARMENTO

Digitally signed by
APRIL T SARMENTO
Jul 12, 2024

OFFICE

AJV-A432

DATE

07/11/2023

RECOMMENDED BY

OFFICE

DATE

TITLE

APPROVED BY

CASIMIR TABAKA

OFFICE

AJV-A432

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> BTV	<u>PROCEDURE NAME</u> ILS OR LOC RWY 33	<u>AMDT NO.</u> 2	<u>CITY</u> BURLINGTON	<u>STATE</u> VT	<u>AIRPORT ELEVATION</u> 335	<u>FACILITY</u> I-VOE
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM BTV VOR/DME **TO** JANUD/I-VOE 19.95 DME/RADAR

RNP DISTANCE PAT MAP HAT HMAS
19.16

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	441912.00N/0725312.00W	4239	164	98	4E	2000				AT761	7000
TERRAIN	441912.00N/0725312.00W	4038 (4000)								AS1500	5500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM MPV VOR/DME **TO** JANUD/I-VOE 19.95 DME/RADAR

RNP DISTANCE PAT MAP HAT HMAS
17.62

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	440933.00N/0724618.00W	2897	164	98	4E	2000				AT1963 PR140	7000
TERRAIN	440933.00N/0724618.00W	2696 (2700)								AS1500	4200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
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ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

INTERMEDIATE

FROM
JANUD/I-VOE 19.95 DME/RADAR (IF/IAF)

TO
NIDUQ/I-VOE 15.00 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
 4.95

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	441736.00N/0725303.00W	3882	164	98	4E	500				AC98 PR220 AT700	5400
TERRAIN	441736.00N/0725303.00W	3681 (3700)								AS1500	4700

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM
NIDUQ/I-VOE 15.00 DME

TO
HONIB/I-VOE 12.80 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
 2.20

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TERRAIN	441912.00N/0725312.00W	4088	500	20	5C	500				PR78	4700
TERRAIN	441912.00N/0725312.00W	4088 (4100)								AS0	4100

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

USED PPV/PR 78 - APPROVAL LTR SUBMITTED.
USED 0 AIRSPACE - SEGMENT INSIDE CLASS E TERMINAL AREA EXTENSION.
0 FT AAO ADDED TO CAMELS HUMP - WAIVER SUBMITTED.



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AMD'T NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

INTERMEDIATE: STEPDOWN

FROM
HONIB/I-VOE 12.80 DME

TO
EHIKO/I-VOE 9.87 DME/RADAR

RNP DISTANCE PAT MAP HAT HMAS
2.93

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	441910.64N/0725425.82W	3220	50	20	2C	500				PR77	3800
TERRAIN	441930.00N/0725524.00W	2477 (2500)								AS1000	3500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

USED PPV/PR 77 - APPROVAL LTR SUBMITTED

FINAL: ILS

FROM
EHIKO/I-VOE 9.87 DME/RADAR

TO
RW33

RNP DISTANCE PAT MAP HAT HMAS
10.04 DA 274

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (50-042049)	442758.12N/0730825.15W	371	20	3	1A		31.88:1			MA7	608

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
35
CHECKED

AIRPORT ID
BTV

PROCEDURE NAME
ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

FINAL: LOC

FROM
EHIKO/I-VOE 9.87 DME/RADAR

TO
JIDSO/I-VOE 7.22 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
2.65

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442112.86N/0725837.41W	1840	50	20	2C	250				XL202 PR80 DG528	2900

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM
JIDSO/I-VOE 7.22 DME

TO
KOTDE/I-VOE 3.98 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
3.24

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442232.66N/0731307.41W	1440	50	20	2C	250				XL70 DG40	1800

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
BTV

PROCEDURE NAME
ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

FINAL: LOC STEPDOWN

FROM
KOTDE/I-VOE 3.98 DME

TO
10.04 NM AFTER EHIKO/I-VOE 9.87 DME/RADAR OR AT I-VOE 0.18 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	4.15		10.04 NM AFTER EHIKO/I-VOE 9.87 DME/RADAR OR AT I-VOE 0.18 DME	906	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (50-034236)	442533.24N/0730520.53W	980	20	3	1A	250					1240

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
JANUD/I-VOE 19.95 DME/RADAR

TO
P-9

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-9			

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	441912.00N/0725312.00W	4239	164	98	4E	1000				PR220 AT1541	7000
TERRAIN	441912.00N/0735312.00W	4038 (4000)								AS1500	5500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
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PROCEDURE NAME
ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

MISSED APPROACH: ILS

FROM
DA **TO**
BTV VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u> 404					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (50-040854)	442803.20N/0730827.90W	404	20	3	1A		ASC				3000
AAO	442451.00N/0730645.00W	1037	164	98	4E	1000					2100
TERRAIN	442451.00N/0730645.00W	836 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CAT A-D ONLY

MISSED APPROACH: LOC

FROM
10.04 NM AFTER EHIKO/I-VOE 9.87 DME/RADAR OR AT I-VOE 0.18 DME **TO**
BTV VOR/DME

<u>RNP</u> 1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u> 990					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
AAO	442451.00N/0730645.00W	1037	164	98	4E	1000					2100
TERRAIN	442451.00N/0730645.00W	836 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CAT A-D ONLY



AIRPORT ID
BTV

PROCEDURE NAME
ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

TACAN AIRCRAFT: ILS

FROM
DA **TO**
6000 MSL

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
404

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				6000
AAO	443712.00N/0734206.00W	1657	164	98	4E	1000					2700
TERRAIN	443712.00N/0734206.00W	1456 (1500)								AS1500	3000

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CAT E ONLY

TACAN AIRCRAFT: LOC

FROM
10.04 NM AFTER EHIKO/I-VOE 9.87 DME/RADAR OR AT I-VOE 0.18 DME **TO**
6000 MSL

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1.00 990

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				6000
AAO	443712.00N/0734206.00W	1657	164	98	4E	1000					2700
TERRAIN	443712.00N/0734206.00W	1456 (1500)								AS1500	3000

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CAT E ONLY



AIRPORT ID
BTV

PROCEDURE NAME
ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BTV APP CON, BTV TOWER, ZBW ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	BTV	24	BTV	0	Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

NO BACK-UP ALTIMETER - REDUNDANT ALTIMETER SOURCE AT KBTV.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-VOE	BTV ATCT	TOWER OPEN	1
		TOWER CLOSED	3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW19 - MIRL (PCL), PAPI-4R	BSC-G	
RW01 - MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW15 - MALSR (PCL), HIRL (PCL), PAPI-4R (PCL)	PIR-G	APPROACH, ROLL OUT
RW33 - MALSF (PCL), HIRL (PCL), PAPI-4R	PIR-G	APPROACH, ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.20	334.2	55.2	334.2	998	3.20	53.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	500
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	ILS AND LOC
34:1	
360 TREE (50-041176) 442755.25N/0730823.62W (3.24)	

PENETRATIONS REMARKS:

QUALITY
35
CHECKED

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

APPROVED WAIVER ON FILE FOR 0 FT AAO ON CAMELS HUMP MOUNTAIN. STATE AVIATION OPERATIONS SPECIALIST SUBMITTED LETTER WITH WAIVER VERIFYING NOTHING EXISTS ON CAMELS HUMP MOUNTAIN TOP. MOUNTAIN TOP IS ROUTINELY INSPECTED AND AUTHORIZATION TO BUILD MUST BE SUBMITTED THROUGH THE STATE AVIATION OPERATIONS SPECIALIST. WILL RE-SUBMIT WAIVER TO CHANGE PROCEDURE NAMES.

WAIVER SUBMITTED FOR ILS/LOC FINAL SEGMENT LENGTH - 10.04 NM EXCEEDS 4.00/10.00 NM.

APPROVAL LETTER SUBMITTED FOR PPVS IN SEGMENTS NIDUQ TO HONIB AND HONIB TO EHIKO.

WAIVER CANCELLATION SUBMITTED FOR CAT D/E GPA EXCEEDS 3.1 DEGREES.

100 FT VEGETATION PER FPT.

ATC/VTANG REQUESTS RADAR VECTORS FOR TACAN EQUIPPED AIRCRAFT IAW LOCAL OPERATING PROCEDUES/LOA WITH VTANG.

ATC REQUESTS NO ALTERNATE MISSED APPROACH.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1060 AAO 442533N/0730305W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	14.57
WIDTH OF	INTERMEDIATE	SEGMENT AT 1000FT POINT	8.02
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	310.83
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	4100
DISTANCE FROM	THLD	TO 1500FT POINT	15.17
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.10
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	310.83
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	4100

THRESHOLD COORDINATES (IF STR-IN)

442759.96N/0730835.56W

ARP COORDINATES

442819.04N/0730911.79W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 15 DISTANCE 0.75 NM

FAF COORDINATES

442125.66N/0725800.32W

FIX NAME COORDINATES

REMARKS

THLD DISPLACED 500FT, ACTUAL COORDINATES: 442756.73N/0730830.35W



AIRPORT ID
BTV

PROCEDURE NAME
ILS OR LOC RWY 33

AMDT NO.
2

CITY
BURLINGTON

STATE
VT

AIRPORT ELEVATION
335

FACILITY
I-VOE

PART E: PREPARED BY

NAME
APRIL SARMENTO

OFFICE
AJV-A432

DATE
07/11/2023

TITLE
AERONAUTICAL INFORMATION SPECIALIST

