

**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><b>AIRPORT ID</b></u><br>BTV        | <u><b>PROCEDURE NAME</b></u><br>RNAV (GPS) Y RWY 33    | <u><b>ORIGINAL/AMENDMENT</b></u><br>1           | <u><b>CITY</b></u><br>BURLINGTON                 | <u><b>STATE</b></u><br>VT        |
| <u><b>AIRPORT ELEVATION</b></u><br>335 | <u><b>TDZE</b></u><br>334                              | <u><b>SUPERSEDED</b></u><br>RNAV (GPS) Y RWY 33 | <u><b>DATED</b></u><br>03/26/2020                | <u><b>MAG VAR</b></u><br>15W     |
| <u><b>FACILITY</b></u><br>RNAV         | <u><b>COORDINATES OF FACILITIES</b></u>                | <u><b>ORIGINAL/AMENDMENT</b></u><br>ORIG-C      | <u><b>REQUIRED EFFECTIVE DATE</b></u><br>ROUTINE | <u><b>EPOCH YEAR</b></u><br>2005 |
|                                        | <u><b>ACTUAL EFFECTIVE DATE</b></u><br>22 JANUARY 2026 |                                                 | <u><b>CANCEL/SUSPEND</b></u>                     |                                  |

**TAA**

| <u>FROM</u>         | <u>FIX TYPE</u> | <u>TO</u>      | <u>FIX TYPE</u> | <u>ALTITUDE</u> |
|---------------------|-----------------|----------------|-----------------|-----------------|
| 1. 221/30 CW 041/30 | NOPT            | 221/5 CW 041/5 |                 | 6300            |
| 2. 221/5 CW 041/5   |                 | SILDE          | IF/IAF          | 6000            |
| 3. 041/30 CW 131/30 |                 | 041/4 CW 131/4 |                 | 6300            |
| 4. 041/4 CW 131/4   |                 | CREME          | IAF             | 6000            |
| 5. 131/30 CW 221/30 |                 | 131/5 CW 221/5 |                 | 6600            |
| 6. 131/5 CW 221/5   |                 | SILDE          |                 | 6000            |

**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> |
|------------------------|-----------------|------------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| CREME                  | IAF             | SILDE                  | NOPT            | TF              | FB           | 1.00       | 040.83        | 8.00            | 6000            |
| SILDE                  | IF/IAF          | FOGMO                  |                 | TF              | FB           | 1.00       | 310.89        | 8.16            | 4600            |
| FOGMO                  |                 | ZABOX                  |                 | TF              | FB           | 1.00       | 310.77        | 2.97            | 3900            |
| ZABOX                  | FAF             | WENKI/4.20 NM TO HABOK |                 | TF              | FB           | 0.30       | 311.11        | 4.83            |                 |
| WENKI/4.20 NM TO HABOK |                 | IRAGE/2.03 NM TO HABOK |                 | TF              | FB           | 0.30       | 311.11        | 2.17            |                 |
| IRAGE/2.03 NM TO HABOK |                 | NASEE/1.00 NM TO HABOK |                 | TF              | FB           | 0.30       | 311.11        | 1.03            |                 |
| NASEE/1.00 NM TO HABOK |                 | HABOK                  | MAP             | TF              | FO           | 0.30       | 311.11        | 1.00            |                 |
| HABOK                  | MAP             | 735 MSL                |                 | CA              |              |            | 311.11        |                 |                 |
| 735 MSL                |                 | MANIF                  |                 | DF              | FB           | 1.00       |               |                 |                 |
| MANIF                  |                 | STAEV                  |                 | TF              | FO           | 1.00       | 333.09        | 9.12            | 3000            |



MISSED APPROACH

MAP:

LNAV: HABOK

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT MANIF AND ON TRACK 333.09 TO STAEV AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD SE SILDE, RT, 310.89 INBOUND, 6000 IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 311.11FAF: ZABOXDIST FAF TO MAP: 9.03DIST FAF TO THLD: 9.53
4. MIN ALT: SILDE 6000, FOGMO 4600, ZABOX 3900, WENKI/4.20 NM TO HABOK 2120, IRAGE/2.03 NM TO HABOK 1320, NASEE/1.00 NM TO HABOK 940
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 CLEAR20:1: IS CLEARTCH:
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.  
CHART PLANVIEW NOTE: CAT E AIRCRAFT - EXPECT VECTORS TO FINAL.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D/E VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.86 DEGREES.  
HOLD NW, RT, 145.67 INBOUND.  
CHART FAS OBST: 478 TREE (50-030804) 442726N/0730919W.  
CHART 903 TREE (50-042116) 442557N/0730553W.  
CHART R-6501 A & B.  
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.  
NASEE TO RW33: 3.47/55.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 3/4, CAT D 1000-3, CAT E 1200-3

| 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 |
| LNAV MDA   | 740    | 4000 | 406     | 740    | 4000 | 406     | 740    | 5000  | 406     | 740    | 5000 | 406     | 740    | 5000 | 406     |
| CIRCLING   | 840    | 1    | 505     | 860    | 1    | 525     | 1220   | 2 3/4 | 885     | 1380   | 3    | 1045    | 1500   | 3    | 1165    |

**CHANGES - REASONS**

1. TAA UPDATED TO INCLUDE TWO STPEDOWN SEGMENTS : TAA SECTOR 221/30 CW 041/30 TO 221/5 CW 041/5 ADDED WITH ALT 6300, SECTOR 221/5 CW 041/5 TO SILDE ADDED WITH ALT 6000, SECTOR 131/30 CW 221/30 TO 131/5 CW 221/5 ADDED WITH ALT 6600, SECTOR 131/5 CW 221/5 TO SILDE ADDED WITH ALT 6000, SECTOR 041/30 CW 131/30 TO 041/4 CW 131/4 ADDED WITH ALT 6300, SECTOR 041/4 CW 131/4 TO NEW FIX CREME ADDED WITH ALT 6000 - STEPDOWN FIXES ADDED TO UTILIZE 6000 AT CREME. DOCUMENTATION UPDATED WITH NEW OBSTACLE FOR EACH SECTOR IAW 8260.19K 8-6-3.
2. TERMINAL ROUTES: POROE IAF SILDE NOPT TF FB 1.00 040.96 6.00 6000 CHANGED TO CREME IAF SILDE NOPT TF FB 1.00 040.83 8.00 6000 - FIX POROE CHANGED TO CREME - COURSE AND DISTANCE UPDATED DUE TO FIX ALIGNMENT AT CREME AND IAW 8260.19K 8-6-4B, FIX NAME CHANGED AT FPT/ATC REQUEST.
3. TERMINAL ROUTES: SILDE IF/IAF FOGMO COURSE UPDATED FROM 311.00 TO 310.89 - DUE TO IAF FIX RELOCATION AND IAW 8260.19K 8-6-4B.
4. TERMINAL ROUTE: FOGMO ZABOX 310.88 2.70 3900 UPDATED TO FOGMO ZABOX 310.77 2.97 3900 - UPDATED FOGMO FIX LOCATION DUE TO PROCEDURAL COURSE ALIGNMENT AND IAW 8260.19K 8-6-4B.
5. TERMINAL ROUTE: ZABOX FAF WENKI/4.30 NM TO HABOK 310.98 5.00 UPDATED TO ZABOX FAF WENKI/4.20 NM TO HABOK 311.11 4.83 - UPDATED DUE TO RELOCATION OF FIX FOGMO AND ZABOX AND IAW 8260.19K 8-6-4B.
6. TERMINAL ROUTE: WENKI/4.30 NM TO HABOK IRAGE/2.10 NM TO HABOK 310.98 2.20 UPDATED TO WENKI/4.20 NM TO HABOK IRAGE/2.03 NM TO HABOK 311.11 2.17 - UPDATED DUE TO RELOCATION OF FIX WENKE AND IAW 8260.19K 8-6-4B.
7. TERMINAL ROUTE:IRAGE/2.10 NM TO HABOK NASEE/1.02 NM TO HABOK TF 310.98 1.08 UPDATED TO IRAGE/2.03 NM TO HABOK NASEE/1.00 NM TO HABOK 311.11 1.03 - UPDATED DUE TO RELOCATION OF FIX IRAGE AND IAW 8260.19K 8-6-4B.
8. TERMINAL ROUTE: MANIF TO STAEV 328.69 11.28 UPDATED TO MANIF TO STAEV 333.09 9.12 - UPDATED TO MEET DESIGN CRITERIA OF MISSED APPROACH IAW 8260.58D 3.6.1.
9. PROFILE LINE 3: FAC UPDATED FROM 310.98 TO 311.11 - ALIGNMENT OF FAF ZABOX TO FAC IAW 8260.19K 8-6-7C.
10. PROFILE LINE 3: DIST FAF TO MAP UPDATED FROM 9.30 TO 9.03 AND DIST FAF TO THLD UPDATED FROM 9.78 TO 9.53 - UPDATED LOCATION OF FIX ZABOX IAW 8260.19K 8-6-7C.
- 11: NOTES: CHART NOTE: CIRCLING RWY 1 NA AT NIGHT REMOVED - NO 20:1 EVALUATIONS FOUND IN TARGETS EVAL.
12. NOTES: CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4SM NOT AUTHORIZED UPDATED TO CHART NOTES:CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED - FPT REQUEST AND TARGETS EVALUATION VISIBILITY REPORT AND IAW 8260.19K 8-6-12K.
13. NOTE: CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C VISIBILITY TO RVR 6000 UPDATED TO CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D/E VISIBILITY TO RVR 6000 - UPDATED TARGETS EVALUATION NOTE. IAW 8260.3G 3-3-2E.
14. NOTES: CHART PLANVIEW NOTE: CAT E AIRCRAFT - EXPECT RADAR VECTORS - ADDED AT FPT REQUEST AND DUE TO INITIAL AND ITERMEDIATE LEGS NOT APPLICABLE TO CAT E AIRCRAFT.
15. ADDITIONAL FLIGHT DATA: ADDED CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.86 DEGREES - PROCEDURE DESIGNED AS STRAIGHT IN, BUT WITH OFFSET, IAW 8260.19K 8-6-11G1.
16. ADDITIONAL FLIGHT DATA: REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED BY CRITERIA.
17. ADDITIONAL FLIGHT DATA: REMOVED CHART 1197 TREE 442505N/0730313W, 941 TREE 442552N/0730556W - UPDATED REQUIRED OBSTACLES.
18. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST: FROM CHART FAS OBST: 476 TREE 442727N/0730919W TO CHART FAS OBST: 478 TREE 442726N/0730919W - NEW OBSTACLE.
19. ADDITIONAL FLIGHT DATA: ADDED CHART 903 TREE (50-042116) 442557N/0730553W - UPDATED REQUIRED OBSTACLES.
20. ALTERNATE MINIMUMS UPDATED FROMSTANDARD - CAT C 900-2 1/2, CAT D 1100-3, CAT E 1200-3 TO STANDARD - CAT C 900-2 3/4, CAT D 1100-3, CAT E 1200-3 - IAW 8260.19K 8-6-12B AND 8260.3G 3-4-1.
21. LNAV CAT D/E VISIBILITY UPDATED FROM 6000 TO 5000 - IAW 8260.3G TABLE 3-3-1.
22. CIRCLING CAT C MINIMUMS UPDATED FROM MDA 1220/HAT 865 VIS 2 1/2 TO MDA 1200/HAT 885 VIS 2 3/4 - NEW CONTROLLING OBSTACLE AND IAW 8260.3G TABLE 3-3-7.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

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

FLIGHT CHECKED BY  
MICHAEL G CAMPBELL

Digitally signed by

RAKE MCGRAW

Dec 05, 2025

OFFICE

AJF

DATE

12/03/2025

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RALPH P. MILLER

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TITLE

MANAGER

