

**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> KBTV | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 1 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> BURLINGTON | <u>STATE</u> VT | | |
| <u>AIRPORT ELEVATION</u> 335 | <u>TDZE</u> 334 | <u>SUPERSEDED</u> RNAV (GPS) RWY 1 | <u>ORIGINAL/AMENDMENT</u> ORIG-C | <u>DATED</u> 04/23/2020 | <u>MAG VAR</u> 15W | <u>EPOCH YEAR</u> 2005 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

TAA

| FROM | FIX TYPE | TO | FIX TYPE | ALTITUDE |
|---------------------|----------|------------------|----------|----------|
| 1. 276/30 CW 096/30 | NOPT | 276/5 CW 096/5 | | 7100 |
| 2. 276/5 CW 096/5 | | FOBUS | IF/IAF | 4800 |
| 3. 096/30 CW 186/30 | | 096/11 CW 186/11 | | 7500 |
| 4. 096/11 CW 186/11 | | JENAX | IAF | 4800 |
| 5. 186/30 CW 276/30 | | 186/5 CW 276/5 | | 6600 |
| 6. 186/5 CW 276/5 | | FOBUS | IF/IAF | 4800 |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|----------|----------|
| JENAX | IAF | FOBUS | NOPT | TF | FB | 1.00 | 096.34 | 6.00 | 4800 |
| FOBUS | IF/IAF | CESAL | | TF | FB | 1.00 | 006.46 | 7.80 | 2400 |
| CESAL | FAF | OBRIE/2.17 NM TO RW01 | | TF | FB | 0.30 | 006.44 | 2.63 | |
| OBRIE/2.17 NM TO RW01 | | RW01 | MAP | TF | FO | 0.30 | 006.44 | 2.17 | |
| RW01 | MAP | 900 MSL | | CA | | | 006.44 | | 900 |
| 900 MSL | | JRVIS | | DF | FO | 1.00 | | | 3500 |



MISSED APPROACH

MAP:

LPV: DA
LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3500 DIRECT JRVIS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

| | | | | | |
|---------------------------------|---|---|------------------------------|-------------------------------|-----------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD S | FOBUX, LT, 006.46 | INBOUND, 4800 FT. IN LIEU OF PT (IAF), MAX 6000. | | | |
| 3. FAC: | 006.44 | FAF: CESAL | DIST FAF TO MAP: 4.79 | DIST FAF TO THLD: 4.79 | |
| 4. MIN ALT: | FOBUX 4800, CESAL 2400, OBRIE/2.17 NM TO RW01 1280 | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 327 HAT: 0.70 | GS ANT: |
| 6. MIN GP INCPT: 2400 | GP ALT AT PFAF: CESAL 2400 | | | OM: | MM: IM: |
| 7. GP ANGLE: 4.00 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 30.0 | | |
| 8. MSA FROM: | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 216.00 INBOUND.
CHART FAS OBST: 510 WINDMILL (50-020316) 442634N/0730919W.
779 TREE 442535N/0730719W.
CHART R6501A & R6501B.
CHART VDP AT 0.94 NM TO RW01.
WAAS CHANNEL # 58044
REFERENCE PATH ID: W01A
CHART CIRCLING ICON.
LTP HAE: 72.6 M



MINIMUMS:

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

ALTERNATE: NA STANDARD

| 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 |
| LPV DA | 661 | 1 | 327 | 661 | 1 | 327 | | NA | | | | NA | | | | |
| LNAV MDA | 760 | 1 | 426 | 760 | 1 | 426 | | NA | | | | NA | | | | |
| CIRCLING | 840 | 1 | 505 | 860 | 1 | 525 | | NA | | | | NA | | | | |

CHANGES - REASONS

- ADDED LPV MINIMUMS - ALIGNED FAC STRAIGHT-IN AND ATC REQUEST.
- REMOVED LNAV CAT C AND CIRCLING CAT C/D MINIMUMS - IAW 8260.3E. PARA 2-6-2 C.
- ADDED CHART VDP: 0.94 NM TO RW01 - IAW 8260.19I 8-6-10 M.
- CHANGED FAC FROM OFFSET (18.42) TO STRAIGHT-IN (6.44) TO RWY 1 AND ADJUSTED SEGMENT COURSES, DISTANCES AND ALTITUDES - ADDED LPV MINS, NEW EVALUATION.
- REMOVED ADDITIONAL FLIGHT DATA NOTE CESAL TO RW01: 3.25/32 - ADDED PRECISION MINIMUMS
- UPDATED NOTE "VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET})." - IAW 8260.19I 8-6-9 M (1).
- ADDED 20:1 IS CLEAR - NO SURFACE PENETRATIONS EXIST.
- CHANGED STEPDOWN ALTITUDE FROM 1220 TO 1280 - NEW CONTROLLING OBSTACLES AAO 1020 MSL 442425.12N/0730811.78W AC 2C, 510 WINDMILL (50-020316) 442634N/0730919W.
- CHANGED TAA FROM "1. 075/30 CW 108/30 075/21 CW 108/21 (NOPT) ALTITUDE 6600 2. 282/30 CW 075/30 282/5 CW 075/5 (NOPT) ALTITUDE 5800 075/21 CW 108/21 075/5 CW 108/5 ALTITUDE 5800 3. 282/5 CW 108/5 FOBUX WP (IF/IAF) ALTITUDE 4000 4. 108/30 CW 198/30 108/11 CW 198/11 ALTITUDE 6600 5. 108/11 CW 198/11 JENAX WP (IAF) ALTITUDE 4000 6. 198/30 CW 282/30 198/5 CW 282/5 ALTITUDE 6000 7. 198/5 CW 282/5 FOBUX WP (IF/IAF) ALTITUDE 4000" TO "186/30 CW 276/30 ALTITUDE 6600, 186/5 CW 276/5 STEPDOWN ALTITUDE 4800, STRAIGHT-IN 276/30 CW 096/30 NOPT ALTITUDE 7100, 276/5 CW 096/5 STEPDOWN ALTITUDE 4800, LEFT BASE 096/30 CW 186/30 ALTITUDE 7500, 096/11 CW 186/11 STEPDOWN ALTITUDE 4800, JENAX WP IAF ALTITUDE 4800, FOBUX WP IF/IAF HIL ALTITUDE 4800" - ALIGNED TAA TO FAC, NEW EVALUATION.
- CHANGED NOTE FROM "RNP APCH" TO PBN REQUIREMENTS NOTE "RNP APCH-GPS" - 8260.19I, 8-6-8 B (2).
- CHANGED NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 8260.19I, 8-6-11 K 3.
- REMOVED NOTE: "RWY 1 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT" - NO STRAIGHT-IN OR CIRCLING RESTRICTIONS AT NIGHT.
- CHANGED FAS OBSTACLE FROM "498 TREE 442719/0730920" TO "510 WINDMILL (50-020316) 442634N/0730919W" - NEW EVALUATION.
- CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 3000 DIRECT HERRO WP AND HOLD" TO "CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3500 DIRECT JRVIS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500" - CURRENT PUBLISHED INSTRUCTIONS INTERFERE WITH DEPARTURES OFF RWY 33.
- ADDED 7:1 EXCLUDED OBSTACLE FINAL LNAV OBRIE TO KBTV:RW01 779 MSL TREE 442535N/0730719W - IAW 8260.19I 8-6-10 E.
- CHANGED ALTERNATE MINIMUMS: STANDARD CAT C 900-2 1/2, CAT D 1100-3 TO STANDARD - REMOVED CIRCLING CAT C/D MINIMUMS.
- CHANGED ANGLE/TCH FROM 3.25/32 TO 4.00/30 - MATCHING VGS1 ANGLE.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZBW, BTV APP CON, BTV ATCT, AMGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by
JULIE A MORGAN
Mar 17, 2022

OFFICE

FPO

DATE

03/16/2022

DEVELOPED BY

ARTHUR ULVESTAD

Digitally signed by
ARTHUR M ULVESTAD
Feb 17, 2022

OFFICE

AJV-A411

DATE

11/29/2021

APPROVED BY

JULIE MORGAN

Digitally signed by
CASIMIR L TABAKA
Feb 25, 2022

OFFICE

AJV-A410

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KBTV |
| RUNWAY | RW01 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W01A |
| LTP/FTP LATITUDE | 442751.9665N |
| LTP/FTP LONGITUDE | 0730904.0730W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00726 |
| FPAP LATITUDE | 442920.0680N |
| FPAP LONGITUDE | 0730922.6345W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00030.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 04.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1568 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| | |
| CRC REMAINDER | 92BEE55B |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +01015 |
| FPAP ORTHOMETRIC HEIGHT | +01015 |

