# FEDERAL AVIATION ADMINISTRATION
# FLIGHT STANDARDS SERVICE
# VOR STANDARD INSTRUMENT APPROACH PROCEDURE
# TITLE 14 CFR PART 97.23

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.

| AIRPORT ID | PROCEDURE NAME | ORIGINAL/AMENDMENT | CITY | STATE |
|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR |

| AIRPORT ELEVATION | TDZE | SUPERSEDED | ORIGINAL/AMENDMENT | DATED | MAG VAR | EPOCH YEAR |
|---|---|---|---|---|---|---|
| 3459 | 3432 | VOR RWY 16 | 11 | 08/10/2023 | 18E | 1990 |

| FACILITY | COORDINATES OF FACILITIES | ACTUAL EFFECTIVE DATE | REQUIRED EFFECTIVE DATE | CANCEL/SUSPEND |
|---|---|---|---|---|
| DSD | | | ROUTINE | |

**TERMINAL ROUTES**

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|---|---|---|---|---|---|---|---|---|---|
| URBIA/14.98 DME | | DSD VORTAC | | | | | 323.45 | 15.00 | 6200 |
| DUMMP/10.01 DME | IAF | DSD VORTAC | NOPT | | | | 210.43 | 10.00 | 6100 |
| HERBS/10.03 DME | IAF | DSD VORTAC | NOPT | | | | 167.55 | 10.00 | 6100 |
| HORRN/20.02 DME | IAF | BOTTL/10.02 DME | NOPT | | | | 115.29 (DSD R-295) | 10.00 | 9000 |
| BOTTL/10.02 DME | | DSD VORTAC | | | | | 115.29 | 10.00 | 6100 |
| EENIE/15.01 DME | IAF | TABSE/10.01 DME | NOPT | | | | 082.50 (DSD R-263) | 5.00 | 7900 |
| TABSE/10.01 DME | | DSD VORTAC | | | | | 082.50 | 10.00 | 6100 |
| SNOKY/16.00 DME | IAF | FOSNI/10.00 DME | NOPT | | | | 067.22 (DSD R-247) | 6.00 | 9500 |
| FOSNI/10.00 DME | | DSD VORTAC | | | | | 067.22 | 10.00 | 6100 |
| DSD VORTAC | IF/IAF | JESAV/2.98 DME | | | | | 135.75 | 3.00 | 5700 |
| JESAV/2.98 DME | | HANIX/5.98 DME | | | | | 135.75 (DSD R-136) | 3.00 | 4800 |

**MISSED APPROACH**

**MAP:**
DSD 10.08 DME

**MISSED APPROACH INSTRUCTIONS:**
CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 7000 DIRECT DSD VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

**1.** **PT** R **SIDE OF COURSE** 315.75 **OUTBOUND** 6100 **FT WITHIN** 10 **MILES OF** DSD VORTAC (IAF)
**2.**
**3.** **FAC:** 135.75 **FAF:** HANIX/5.98 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.10
**4.** **MIN ALT:** DSD VORTAC 6100, JESAV/2.98 DME 5700, HANIX/5.98 DME 4800
**8.** **MSA FROM:** DSD VORTAC 090-180 8500, 180-270 11600, 270-360 9100, 360-090 7000

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: VDP NA WHEN USING RDM ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RDM ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND INCREASE S-17 VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/2 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD NW, LT, 135.75 INBOUND.
CHART FAS OBST: 3588 TREE 440539N/1211318W.
CHART VDP AT 8.71 DME.
DISTANCE VDP TO THLD 1.37 NM.
FAC 1477 FT R OF RWY C/L EXTENDED 3000 FT FROM THLD.
HANIX TO RW17: 3.09/50.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD - CAT D 1200-3, 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-17 | 3880 | 1 | 448 | 3880 | 1 | 448 | 3880 | 1 3/8 | 448 | 3880 | 1 3/8 | 448 | | | |
| CIRCLING | 3960 | 1 | 501 | 3980 | 1 | 521 | 4120 | 1 3/4 | 661 | 4640 | 3 | 1181 | | | |

**CHANGES - REASONS**

1. CHANGED ALL INSTANCES OF RW16 TO RW17 – PER FPT.
2. PROFILE LINE 8: CHANGED FROM “DSD VORTAC 360-090 6900, 090-180 8500, 180-270 11600, 270-360 8900” TO “DSD VORTAC 090-180 8500, 180-270 11600, 270-360 9100, 360-090 7000” – NEW CONTROLLING OBSTACLES.
3. NOTES: CHANGED “REDMOND ALTIMETER” TO “RDM ALTIMETER” – 8260.19K USES LOCATION ID.
4. ADDED: "CHART NOTE: VDP NA WHEN USING RDM ALTIMETER SETTING."
5. ADDITIONAL FLIGHT DATA – REMOVED “CHART CIRCLING ICON” – NO LONGER REQUIRED.
6. ADDITIONAL FLIGHT DATA – CHANGED “FAC CROSSES RWY C/L AT THLD.” TO “FAC 1477 FT R OF RWY C/L EXTENDED 3000 FT FROM THLD.” – NEW TARGETS EVALUATION.
7. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 8.71 DME" AND "DISTANCE VDP TO THLD 1.37 NM" - 8260.19K, PARA 8-6-11.M(1).
8. ADDITIONAL FLIGHT DATA: ADDED "CHART 6100 PRIOR TO DSD VORTAC IN PROFILE" - 8260.19K, PARA 8-6-7.A(2).
7. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 3589 TREE 440542N/1211312W” TO “CHART FAS OBST: 3588 TREE 440539N/1211318W” – NEW CONTROLLING OBSTACLES.

| AIRPORT ID | PROCEDURE NAME | ORIGINAL/AMENDMENT | CITY | STATE |
|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR |

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZSE, AMGR, OR AERO DIV

| | | | |
|---|---|---|---|
| **FLIGHT CHECKED BY** | *Digitally signed by* ***CASEY D HILL*** May 11, 2026 | **OFFICE** | **DATE** |
| JORDAN ROLIH | | AJF | 05/06/2026 |
| **DEVELOPED BY** | *Digitally signed by* ***CASEY D HILL*** May 11, 2026 | **OFFICE** | **DATE** |
| STEVEN SHEDD | | AJV-A431 | 01/20/2026 |
| **APPROVED BY** | *Digitally signed by* ***CASEY D HILL*** May 11, 2026 | **OFFICE** | **DATE** |
| CASEY HILL | | AJV-A431 | |

**TITLE**
MANAGER

QUALITY 40 CHECKED

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

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM**
URBIA/14.98 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 15.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 440339.00N/1211700.00W | 4241 | 215 | 8 | 4B | 2000 | | | | MT-126 | 6200 |
| TERRAIN | 440339.00N/1211700.00W | 4140 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL: PT**

**FROM**
10 NM

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441512.00N/1211812.00W | 4318 | 215 | 8 | 4B | 1000 | | | | AT782 | 6100 |
| TERRAIN | 441512.00N/1211812.00W | 4117 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**INITIAL**

**FROM**
DUMMP/10.01 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441512.00N/1211812.00W | 4318 | 215 | 8 | 4B | 1000 | | | | AT782 | 6100 |
| TERRAIN | 441512.00N/1211812.00W | 4117 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL**

**FROM**
HERBS/10.03 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441512.00N/1211812.00W | 4318 | 215 | 8 | 4B | 1000 | | | | AT782 | 6100 |
| TERRAIN | 441512.00N/1211812.00W | 4117 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**INITIAL**

**FROM**
HORRN/20.02 DME

**TO**
BOTTL/10.02 DME

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 442400.00N/1213809.00W | 6641 | 215 | 8 | 4B | 1000 | | | | PR210 AT1149 | 9000 |
| TERRAIN | 442400.00N/1213809.00W | 6440 (6400) | | | | | | | | AS1500 | 7900 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM**
BOTTL/10.02 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441512.00N/1211812.00W | 4318 | 215 | 8 | 4B | 1000 | | | | AT782 | 6100 |
| TERRAIN | 441512.00N/1211812.00W | 4117 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**INITIAL**

**FROM**
EENIE/15.01 DME

**TO**
TABSE/10.01 DME

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 5.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441427.00N/1214003.00W | 5755 | 215 | 8 | 4B | 1000 | | | | PR210 AT935 | 7900 |
| TERRAIN | 441357.00N/1213942.00W | 5190 (5200) | | | | | | | | AS1500 | 6700 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM**
TABSE/10.01 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441512.00N/1211812.00W | 4318 | 215 | 8 | 4B | 1000 | | | | AT782 | 6100 |
| TERRAIN | 441512.00N/1211812.00W | 4117 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**INITIAL**

**FROM**
SNOKY/16.00 DME

**TO**
FOSNI/10.00 DME

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 6.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441427.00N/1214003.00W | 5755 | 215 | 8 | 4B | 1000 | | | | PR230 AT2515 | 9500 |
| TERRAIN | 441427.00N/1214003.00W | 5554 (5600) | | | | | | | | AS1500 | 7100 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL: STEPDOWN**

**FROM**
FOSNI/10.00 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 10.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441512.00N/1211812.00W | 4318 | 215 | 8 | 4B | 1000 | | | | AT782 | 6100 |
| TERRAIN | 441512.00N/1211812.00W | 4117 (4100) | | | | | | | | AS1500 | 5600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**INTERMEDIATE**

**FROM**
DSD VORTAC (IF/IAF)

**TO**
JESAV/2.98 DME

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 3.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441509.00N/1211812.00W | 4315 | 215 | 8 | 4B | 500 | | | | AT885 | 5700 |
| TERRAIN | 441509.00N/1211812.00W | 4114 (4100) | | | | | | | | AS1000 | 5100 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE: STEPDOWN**

**FROM**
JESAV/2.98 DME

**TO**
HANIX/5.98 DME

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 3.00 | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 441024.00N/1211633.00W | 3773 | 215 | 8 | 4B | 500 | | | | AT527 | 4800 |
| TERRAIN | 441024.00N/1211633.00W | 3572 (3600) | | | | | | | | AS1000 | 4600 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**FINAL**

| FROM | TO |
|---|---|
| HANIX/5.98 DME | DSD 10.08 DME |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | 4.10 | | DSD 10.08 DME | 448 | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TREE | 440539.00N/1211318.00W | 3588 | 215 | 8 | 4B | 250 | | | | MA42 | 3880 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**PROCEDURE TURN**

| FROM | TO |
|---|---|
| DSD VORTAC | 10 NM |

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | | | | | |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AAO | 442912.00N/1212845.00W | 4813 | 215 | 8 | 4B | 1000 | | | | PR150 | 6000 |
| TERRAIN | 442912.00N/1212845.00W | 4612 (4600) | | | | | | | | AS1500 | 6100 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**MISSED APPROACH**

**FROM**
DSD 10.08 DME

**TO**
DSD VORTAC

| RNP | DISTANCE | PAT | MAP | HAT | HMAS |
|---|---|---|---|---|---|
| | | | | | 3630 |

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | ASC | | | | 7000 |
| TOWER (41-000402) | 440440.41N/1212001.12W | 4570 | 100 | 20 | 3C | 1000 | | | | | 5600 |
| TERRAIN | 440442.00N/1212006.00W | 4238 (4200) | | | | | | | | AS1500 | 5700 |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**CIRCLING** ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

| OBSTRUCTION | COORDINATES | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CATEGORY A | | | | | | | | | | | |
| TREE | 440412.00N/1211312.00W | 1.36 | 501 | 3654 | 215 | 8 | 4B | 300 | | | 3960 |
| CATEGORY B | | | | | | | | | | | |
| TREE (41-081716) | 440349.18N/1211315.54W | 1.93 | 521 | 3665 | 20 | 10 | 1B | 300 | | | 3980 |
| CATEGORY C | | | | | | | | | | | |
| TREE | 440224.00N/1211327.00W | 3.05 | 661 | 3811 | 215 | 8 | 4B | 300 | | | 4120 |
| CATEGORY D | | | | | | | | | | | |
| TREE | 440339.00N/1211700.00W | 4.01 | 1181 | 4340 | 100 | 10 | 3B | 300 | | | 4640 |

**CIRCLING REMARKS:**

CIRCLING CAT D EVALUATED USING MITRE 3DEP 1 ARCSEC.

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

**MSA**

| CENTER | RADIUS |
|---|---|
| DSD VORTAC | 25 |

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 090-180 | AAO | 434612.00N/1211615.00W | 159 | 29.0 | 7379 | 215 | 8 | 4B | 1000 | | AT121 | 8500 |
| 180-270 | AAO | 440612.00N/1214609.00W | 228 | 22.0 | 10552 | 215 | 8 | 4B | 1000 | | | 11600 |
| 270-360 | AAO | 442845.00N/1215036.00W | 283 | 26.9 | 8048 | 215 | 8 | 4B | 1000 | | | 9100 |
| 360-090 | AAO | 442630.00N/1204139.00W | 048 | 28.6 | 5922 | 215 | 8 | 4B | 1000 | | | 7000 |

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

SEA ARTCC, MMV FSS

| WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | WMSCR | ADJUSTMENTS |
|---|---|---|---|---|---|---|
| AWOS-3 | BDN | 24 | BDN | | Y | 0 |
| **BACK-UP WX SERVICE** | **LOCATION** | **HRS OPERATION** | **ALTIMETER SOURCE** | **DISTANCE** | **WMSCR** | **ADJUSTMENTS** |
| ASOS | RDM | 24 | RDM | 9.82 | Y | 81 |

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME
BDN 3459, RDM 3052
RA = 80.1

| PRIMARY NAVAID | MONITOR POINT | HRS OPERATION | CAT |
|---|---|---|---|
| DSD VORTAC | POCC | 24 HRS | 1 |

| APPROACH AND RUNWAY LIGHTING SYSTEM | RUNWAY MARKINGS | RUNWAY VISUAL RANGE |
|---|---|---|
| RW17 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL) | NPI-G | |
| RW35 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL) | NPI-G | |

| GLIDESLOPE ANGLE | ELEV RWY THRESHOLD | TCH | ELEV GS ANTENNA | DISTANCE FROM RWY | VGSI ANGLE | TCH |
|---|---|---|---|---|---|---|
| | | | | | 3.00 | 38.3 |

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD ☐ 3000 FT FROM THRESHOLD DISPLACED THRESHOLD DISTANCE
ON CENTERLINE ☐ 1477 FT R OF CENTERLINE

**CRITICAL TEMPERATURES**

| AIRPORT ID | PROCEDURE NAME | AMDT NO. | CITY | STATE | AIRPORT ELEVATION | FACILITY |
|---|---|---|---|---|---|---|
| BDN | VOR RWY 17 | 12 | BEND | OR | 3459 | DSD |

| CRITICAL LOW | CRITICAL HIGH | ACT | APT ISA |
|---|---|---|---|

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

| | |
|---|---|
| FINAL TYPE | S-16 |
| 34:1 | |
| 3508.7927 TERRAIN+VEG (VATP10) 440633.0000N/1211227.0000W (31.57) | 3505.5118 TERRAIN+VEG (VATP11) 440636.0000N/1211227.0000W (19.36) |
| 3502.231 TERRAIN+VEG (VATP7) 440636.0000N/1211230.0000W (16.08) | 3505.5118 TERRAIN+VEG (VATP2) 440639.0000N/1211236.0000W (10.43) |
| 3502.231 TERRAIN+VEG (VATP4) 440639.0000N/1211233.0000W (7.15) | 3421 TRAVERSE_WAY (41-024223) 440612.8600N/1211206.4500W (3.74) |
| 3439 TREE (41-081733) 440619.2100N/1211212.6600W (2.83) | 3505.5118 TERRAIN+VEG (VATP1) 440642.0000N/1211239.0000W (1.5) |
| 3505.5118 TERRAIN+VEG (VATP3) 440642.0000N/1211236.0000W (1.5) | 3495.6693 TERRAIN+VEG (VATP8) 440639.0000N/1211230.0000W (0.58) |
| **PENETRATIONS REMARKS:** | |
| | |

**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.

100 FT VEGETATION USED PER FPT.

ALTITUDE AT DSD VORTAC REMAINS AT 6100 DUE TO PROCEDURE TURN MANEUVERING AREA AIRSPACE REQUIREMENTS. PER FPT/ATC THE NEXT AMDT OF THE VOR RWY 17 SHOULD EVALUATION REMOVAL OF THE PT AND ADD A HOLD IN-LIEU OF PT TO ALLOW FOR 6000 TO MATCH THE RNAV (GPS) Y RWY 17.

VDA/TCH 3.09/50 USED FOR EVALUATION. OPTIMIZING TO MATCH VGSI/TCH (3.00/38.3) CAUSES INTERMEDIATE LEG LENGTH ERRORS OR LOWERS FAF ALTITUDE BELOW HIGHEST MDA FOR THE PROCEDURE.
BACKUP ALTIMETER NOTES RETAINED AS CHART NOTES PER FPT.

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** | 3.10 |
| **WIDTH OF** | FINAL | **SEGMENT AT 1000FT POINT** | 2.70 |
| **TRUE COURSE OF** | FINAL | **SEGMENT CONTAINING 1000FT POINT** | 153.75 |
| **HIGH TERRAIN IN** | FINAL | **SEGMENT CONTAINING 1000FT POINT** | 3500 |
| **DISTANCE FROM** | THLD | **TO 1500FT POINT** | 9.10 |
| **WIDTH OF** | INTERMEDIATE | **SEGMENT AT 1500FT POINT** | 4.00 |
| **TRUE COURSE OF** | INTERMEDIATE | **SEGMENT CONTAINING 1500FT POINT** | 153.75 |
| **HIGH TERRAIN IN** | INTERMEDIATE | **SEGMENT CONTAINING 1500FT POINT** | 4100 |

| | |
|---|---|
| **THRESHOLD COORDINATES (IF STR-IN)** | 440606.09N/1211200.77W |
| **ARP COORDINATES** | 440540.42N/1211200.80W |
| **RUNWAY APCH END AND DIST FURTHEST FROM ARP** | RUNWAY 35 DISTANCE 0.43 NM |
| **FAF COORDINATES** | 440946.97N/1211431.60W |
| **FIX NAME COORDINATES** | |

**REMARKS**

**PART E: PREPARED BY**

| NAME | OFFICE | DATE | TITLE |
|---|---|---|---|
| STEVEN SHEDD | AJV-A431 | 01/20/2026 | AERONAUTICAL INFORMATION SPECIALIST |