

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
BEND	TWO	BDN2.BDN	ONE	07/02/2009	10 AUGUST 2023
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DP ROUTE DESCRIPTION:

RWY: 16: CLIMBING RIGHT TURN HEADING 310.00 TO INTERCEPT DSD R-160 TO DSD VORTAC, THENCE.....

RWY 34: CLIMBING LEFT TURN HEADING 300.00 TO INTERCEPT DSD R-160 TO DSD VORTAC, THENCE.....

...CLIMB IN DSD VORTAC HOLDING PATTERN TO CROSS DSD VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

VCOA: RWY 16: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS BEND MUNI AIRPORT AT OR ABOVE 7900 BEFORE PROCEEDING ON COURSE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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PROCEDURAL DATA NOTES:

PBN REQUIREMENTS NOTES:

EQUIPMENT REQUIREMENT NOTES:

TAKEOFF MINIMUMS:

RWY 34: STANDARD.

RWY 16: STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 4600 OR 4600-3 FOR VCOA.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 16: VEHICLES ON ROAD, LIGHT POLES BEGINNING 0 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 3466 FT MSL.

LIGHT POLES 9 FT FROM DER, 17 FT RIGHT OF CENTERLINE, 1 FT AGL/3461 FT MSL.

VEHICLES ON ROAD 17 FT FROM DER, 361 FT LEFT OF CENTERLINE, 3467 FT MSL.

TERRAIN 27 FT FROM DER, 197 FT RIGHT OF CENTERLINE, 3463 FT MSL.

TERRAIN BEGINNING 36 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 3469 FT MSL.

TREE 74 FT FROM DER, 456 FT LEFT OF CENTERLINE, 35 FT AGL/3487 FT MSL.

TREES BEGINNING 196 FT FROM DER, 465 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/3497 FT MSL.

TREE, CATENARY WIRES BEGINNING 322 FT FROM DER, 328 FT LEFT OF CENTERLINE, UP TO 3503 FT MSL.

FENCE 343 FT FROM DER, 588 FT RIGHT OF CENTERLINE, 3 FT AGL/3471 FT MSL.

TREES BEGINNING 1011 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 3500 FT MSL.

TREES BEGINNING 1049 FT FROM DER, 773 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/3503 FT MSL.

POLES, TREE BEGINNING 1214 FT FROM DER, 109 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/3504 FT MSL.

TREES BEGINNING 1733 FT FROM DER, 927 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/3526 FT MSL.

TREE 2142 FT FROM DER, 876 FT RIGHT OF CENTERLINE, 59 FT AGL/3528 FT MSL.

TREE 2688 FT FROM DER, 710 FT RIGHT OF CENTERLINE, 3541 FT MSL.



TREES BEGINNING 2765 FT FROM DER, 503 FT LEFT OF CENTERLINE, UP TO 3572 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 16/34: 10520 FT MSL AAO 440613.07N/1214610.61W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: RWY 16: 10520 FT MSL AAO 440613.07N/1214610.61W.

MSA FROM BDN ARP, 11600

ADDITIONAL FLIGHT DATA:

CHART HOLDING PATTERN AT DSD VORTAC, HOLD N, RT 167.55 INBOUND.

AIRPORT MV: BDN 14E/2025.

AIRPORTS SERVED:

AIRPORT ID

CITY

STATE

KBDN

BEND

OR

COMMUNICATIONS:

CHART: CTAF

FIXES AND/OR NAVAIDS:

REMARKS:

100 FOOT VEGETATION USED PER FPT.



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BEND	TWO	BDN2.BDN	ONE	07/02/2009	10 AUGUST 2023

<u>FLIGHT INSPECTED BY</u>		<u>OFFICE</u>	<u>DATE</u>	
TROY E DEVINE	<i>Digitally signed by</i> CASIMIR L TABAKA Jan 18, 2023	FPO	01/13/2023	

<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
JOHN A. KEEFER	JOHN A KEEFER Dec 06, 2022	AJV-A432	11/28/2022	

<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASMIR TABAKA	CASIMIR L TABAKA Jan 18, 2023	AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. RWY 16 DEPARTURE ROUTE DESCRIPTION CHANGED FROM CLIMBING LEFT TURN TO INTERCEPT THE DSD R-130 TO DSD VORTAC TO CLIMBING RIGHT TURN HEADING 310 TO INTERCEPT DSD R-160 TO DSD VORTAC. - ROUTE CHANGE TO AVOID CONFLICTS WITH VOR APPROACH.
2. RWY 34 DEPARTURE ROUTE DESCRIPTION CHANGED FROM CLIMBING LEFT TURN TO INTERCEPT THE DSD R-130 TO DSD VORTAC TO CLIMBING LEFT TURN TO HEADING 300 TO INTERCEPT DSD R-160 TO DSD VORTAC. - ROUTE CHANGE TO AVOID CONFLICTS WITH VOR APPROACH.
3. ADDED VCOA TO RWY 16 ROUTE DESCRIPTION. - RWY 16 DEPARTURE REQUIRES A CLIMB GRADIENT.TAKEOFF MINIMUMS RWY 16 CHANGED FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 4600 OR 4600-3 FOR VCOA. - NEW ROUTE HAS CONTROLLING OBSTACLE WHICH REQUIRES CLIMB GRADIENT.
4. TAKEOFF OBSTACLE NOTES UPDATED. - PER 8260-46J COMPLIANCE.
5. CONTROLLING OBSTACLE RWY 16 DEPARTURE ADDED 4340 FT MSL AAO 440337.80N/1211659.44W (CLIMB GRADIENT/CLIMB-TO ALTITUDE). - NEW DEPARTURE ROUTE OBSTACLE.
6. OBSTACLE MANDATING ODP ROUTE DEVELOPMENT CHANGED FROM 10697 FOOT MSL AAO 444023.80N/1214750.70W TO 10520 FT MSL AAO 440613.07N/1214610.61W. - NEW EVALUATION.
7. ADDED **VISUAL CLIMB AREA OBSTACLE: RWY 16:** 4340 FT MSL AAO 440337.80N/1211659.44W. - PER 8260.46J COMPLIANCE.
8. ADDED **OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: RWY 16:** 10520 FT MSL AAO 440613.07N/1214610.61W. - PER 8260.46J COMPLIANCE.
9. ADDED MSA FROM BDN ARP 11600. - 8260.46J COMPLIANCE.
10. UPDATED REFERENCE MAGVAR FROM 19E 1980 TO 14E 2025. - NEW MAGVAR.
11. UPDATED COMMUNICATIONS CTAF, ZSE TO CHART CTAF. - 8260.46J COMPLIANCE.

