

**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.

<u>AIRPORT ID</u> KBDN	<u>PROCEDURE NAME</u> VOR RWY 16	<u>ORIGINAL/AMENDMENT</u> 11	<u>CITY</u> BEND	<u>STATE</u> OR		
<u>AIRPORT ELEVATION</u> 3459	<u>TDZE</u> 3432	<u>SUPERSEDED</u> VOR/DME RWY 16	<u>ORIGINAL/AMENDMENT</u> 10A	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 18E	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> DSD	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
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	10.00 (DSD R-295)	9000
BOTTL/10.02 DME		DSD VORTAC					115.29	10.00	6100
EENIE/15.01 DME	IAF	TABSE/10.01 DME	NOPT				082.50	5.00 (DSD R-263)	7900
TABSE/10.01 DME		DSD VORTAC					082.50	10.00	6100
SNOKY/16.00 DME	IAF	FOSNI/10.00 DME	NOPT				067.22	6.00 (DSD R-247)	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	3.00 (DSD R-136)	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 360-090 6900, 090-180 8500, 180-270 11600, 270-360 8900

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND INCREASE S-16 VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/2 SM.

ADDITIONAL FLIGHT DATA:

FAC CROSSES RWY C/L AT THLD.
HOLD NW, LT, 135.75 INBOUND.
CHART FAS OBST: 3589 TREE 440542N/1211312W.
CHART CIRCLING ICON.
HANIX TO RW16: 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-16	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. PROCEDURE NAME CHANGED FROM VOR/DME RWY 16 TO VOR RWY 16 - UPDATED IAW 8260.3E, SECTION 1-6.
2. AIRPORT ELEVATION UPDATED FROM 3460 TO 3459 AND MAGVAR UPDATED FROM 19E/1980 TO 14E/2025 - UPDATED AIRNAV AIRPORT DATA.
3. TERMINAL ROUTES: REMOVED DSD REFERENCE ID FROM ALL FIX NAMES - NOT REQUIRED IAW 8260.19I, 8-2-6 C (1), COURSE/DME FROM SAME FACILITY.
4. MISSED APPROACH INSTRUCTIONS: ADDED "CONTINUE CLIMB-IN-HOLD TO 7000" - AIRCRAFT DO NOT REACH 7400 AND OCS DOES NOT REACH 1000 FT BELOW 7400 AT CLEARANCE LIMIT.
4. EQUIPMENT REQUIREMENTS NOTES: ADDED DME REQUIRED - IAW 8260.19I, 8-6-8.
5. CHART NOTE UPDATED FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19I 8-6-9 M.
6. CHART NOTE UPDATED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET, INCREASE S-16 CAT C/D VISIBILITY 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND INCREASE S-16 VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/2 SM" - IAW 8260.3E, CHAPTER 3 VISIBILITIES AND 8260.19I, 8-6-11.
7. CHART NOTE UPDATED FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19I, 8-6-11; 20:1 PENETRATIONS REMOVED BY AIRPORT.
8. CHART NOTE: DELETED "NIGHT LANDING: RWY 16 NA" - NO LONGER REQUIRED; 20:1 PENETRATIONS REMOVED BY AIRPORT.
9. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST: FROM "3589 TREE 440541N/1211313W" TO "3589 TREE 440542N/1211312W" - UPDATED EVALUATION/MAP STUDY.
10. ADDITIONAL FLIGHT DATA: UPDATED HOLD FROM "N, RT, 167.55 INBOUND" TO "NW, LT, 135.75 INBOUND" - ALIGNS PATTERN ON MANEUVERING SIDE OF PROCEDURE TURN, IAW 8260.19I 8-6-6 G(6); COORDINATED/APPROVED BY FPT/ATC.
11. MINIMUMS: S-16 MDA/HAT ALL CATS UPDATED FROM 3840/408 TO 3880/448, VIS CATS C/D UPDATED FROM 1 1/4 TO 1 3/8 - IAW 8260.3E, CHAPTER 3 VISIBILITY TABLES AND NEW CONTROLLING OBSTACLES BASED ON MAP STUDY.
12. MINIMUMS: CIRCLING MDA/HAA UPDATED: CAT A FROM 3940/480 TO 3960/501 AND CAT B FROM 4000/540 TO 3980/521 - NEW CONTROLLING OBSTACLES BASED ON MAP STUDY.
13. MINIMUMS: CIRCLING CATS C/D HAA UPDATED FROM 660/1180 TO 661/1181 - AIRPORT ELEVATION UPDATED FROM 3460 TO 3459.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZSE, ARPT MGR, OR AERO DIV

FLIGHT CHECKED BY

TROY E DEVINE

Digitally signed by

ALLAN WILL

Jun 06, 2023

OFFICE

FPO

DATE

06/01/2023

DEVELOPED BY

PATRICK COMBS

Digitally signed by

PATRICK W COMBS

Apr 19, 2023

OFFICE

AJV-A423

DATE

04/11/2023

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Jun 06, 2023

OFFICE

AJV-A420

DATE

TITLE
MANAGER

