

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</u> BEND MUNI	<u>AIRPORT ID</u> KBDN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> BEND	<u>STATE</u> OR	
<u>AIRPORT ELEVATION</u> 3460	<u>TDZE</u> 3460	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 02/14/2008	<u>MAG VAR</u> 19E	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<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>
DSD VORTAC		HARBU		TF	FO	1.00	139.16	26.70	8000
POCIT	IAF	HARBU	NOPT	TF	FB	1.00	333.07	8.49	8000
HARBU	IF/IAF	NALOE		TF	FB	1.00	311.15	3.40	7400
NALOE		CODAY		TF	FB	1.00	311.12	2.60	6700
CODAY	FAF	GUPYE/4.50 NM TO FEDKU		TF	FB	0.30	326.08	5.00	
GUPYE/4.50 NM TO FEDKU		FEDKU	MAP	TF	FO	0.30	326.08	4.50	
FEDKU	MAP	3860 MSL		CA			326.08		
3860 MSL		CELVA		DF	FB	1.00			
CELVA		DSD VORTAC		TF	FO	1.00	315.00		6000

MISSED APPROACH

MAP:

LNAV: FEDKU

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT CELVA AND ON TRACK 315.00 TO DSD VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE HARBU, RT, 311.15 INBOUND, 8000 FT. IN LIEU OF PT (IAF), MAX 17500.

3. FAC: 326.08

FAF: CODAY

DIST FAF TO MAP: 9.50

DIST FAF TO THLD: 9.98

4. MIN ALT: HARBU 8000, NALOE 7400, CODAY 6700, GUPYE/4.50 NM TO FEDKU 5100

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 CLEAR

20:1: IS NOT CLEAR

TCH:

8. MSA FROM: FEDKU 11600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.
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 80 FEET, LNAV CATS C/D VISIBILITY 1/4 SM AND CIRCLING CAT C/D VISIBILITY 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DSD VORTAC ON AIRWAY RADIALS 092 CW 196.

ADDITIONAL FLIGHT DATA:

CHART 4579 TREE 435506N/1210952W
CHART 3869 TREE 440001N-1211121W
CODAY TO RW34: 3.01/50
CHART CIRCLING ICON.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.00 DEGREES.
CHART FAS OBST: 3839 TREE 440057N/1211138W.
CHART 4419 TREE 435602N/1211010W.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
HOLD NW, LT, 123.97 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☒

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	4100	1	640	4100	1	640	4100	1 3/4	640	4100	1 3/4	640			
CIRCLING	4100	1	640	4100	1	640	4120	1 3/4	660	4640	3	1180			



CHANGES - REASONS

1. REPLACED NOTE "VISIBILITY REDUCTION BY HELICOPTERS NA" WITH "RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED". - 20:1 PENETRATIONS.
2. REPLACED NOTE "DME/DME RNP -0.3 NA" WITH PBN REQUIREMENTS NOTE "RNP APCH". - IAW 8260.19H 8-6-8 B(1).
3. ADDED NOTE "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})". -IAW 8260.19H 8-6-9M(2).
4. ADDED 20:1 IS NOT CLEAR TO LINE 7. - IAW 8260.19H 8-6-7G(3).
5. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.- IAW 8260.19H 8-6-10T.
6. UPDATED CAT C CIRCLING MDA/HAA FROM 4100/640 TO 4120/660 AND CAT D FROM 4100/640 TO 4640/1180. - NEW CIRCLING CRITERIA APPLIED COPIED FROM VOR/DME RWY 16 AT KBDN.
7. UPDATED CAT D CIRCLING VISIBILITY FROM 2 TO 3. - NEW CIRCLING CAT D MDA.
8. UPDATED LOCAL ALTIMETER NOTE FROM SAYING MILES TO SM. - IAW 8260.19H 8-6-11N(1)(A)1.
9. UPDATED CAT D LNAV VISIBILITY FROM 2 TO 1 3/4. - IAW 8260.3D 3-3.
10. ADDED CA LEG FOR MISSED APPROACH TO TERMINAL ROUTES. - IAW IAW 8260.58A 3-5-2.
11. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 6000 DIRECT CELVA AND VIA 315 TRACK TO DESCHUTES VORTAC AND HOLD" TO "CLIMB TO 6000 DIRECT CELVA AND ON TRACK 315 TO DSD VORTAC AND HOLD.". - IAW 8260.19H 8-6-6.
12. ADDED CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. - 20:1 PENETRATIONS TO STRAIGHT-IN RWY 34 AND IAW 8260.19H8-6-11O(2)(C).
13. UPDATED TERMINAL ROUTES COURSE TO DSD VORTAC FROM 315 TO 315.00 AND MISSED APPROACH INSTRUCTIONS FROM "TRACK 315" TO "TRACK 315.00". - IAW 8260.19H 8-2-3C.
14. ADDED ADDITIONAL FLIGHT DATA CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.00 DEGREES. - IAW 8260.19H 8-6-10(G)1.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

CHRISTINE BAYSE

Digitally signed by

CHRISTINE BAYSE

Apr 15, 2019

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Apr 24, 2019

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Apr 24, 2019

OFFICE

AJV-A432

DATE

12/12/2018

OFFICE

AJV-A430

DATE**TITLE**

MANAGER

