

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> KBDN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BEND	<u>STATE</u> OR		
<u>AIRPORT ELEVATION</u> 3459	<u>TDZE</u> 3459	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 14E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<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>
DSD VORTAC		HARBU		TF	FO	1.00	144.16	26.70	8000
POCIT	IAF	HARBU	NOPT	TF	FB	1.00	338.07	8.49	8000
HARBU	IF/IAF	NALOE		TF	FB	1.00	316.15	3.40	7400
NALOE		CODAY		TF	FB	1.00	316.12	2.60	6700
CODAY	FAF	GUPYE/4.50 NM TO FEDKU		TF	FB	0.30	331.08	5.00	
GUPYE/4.50 NM TO FEDKU		FEDKU	MAP	TF	FO	0.30	331.08	4.50	
FEDKU	MAP	3859 MSL		CA			331.08		
3859 MSL		CELVA		DF	FB	1.00			
CELVA		DSD VORTAC		TF	FO	1.00	318.90		6000

MISSED APPROACH

MAP:

LNAV: FEDKU

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT CELVA AND ON TRACK 318.90 TO DSD VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
8
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE HARBU, RT, 316.15 INBOUND, 8000 FT. IN LIEU OF PT (IAF), MAX 17500.

3. FAF: 331.08FAF: CODAYDIST FAF TO MAP: 9.50DIST FAF TO THLD: 9.99

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 CLEAR20:1: IS CLEARTCH:

8. MSA FROM: RW34 11600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DSD VORTAC AIRWAY RADIALS 092 CW 196.
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 LNAV VISIBILITY CATS B, C, AND D 1/2 SM AND CIRCLING VISIBILITY CATS A, B, AND C 1/2 SM.
CHART SPEED ICON IN PLANVIEW AT HARBU: MAX 230 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 128.96 INBOUND.
FAS OBST: 3920 AAO 440114N/1211119W.
4690 AAO 435500N/1210954W, 3960 AAO 440000N/1211103W.
CHART VDP AT 1.63 NM TO FEDKU.
FAC CROSSES RWY C/L EXTENDED 3002 FT FROM THLD.
CHART CIRCLING ICON.
CODAY TO RW34: 3.0/53.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.00 DEGREES.

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
LNAV MDA	4180	1	721	4180	1	721	4180	2	721	4180	2	721			
CIRCLING	4180	1	721	4180	1	721	4180	2	721	4640	3	1181			



CHANGES - REASONS

1. AIRPORT ELEVATION UPDATED FROM 3460 TO 3459 AND MAGVAR UPDATED FROM 19E/1980 TO 14E/2025 - UPDATED AIRPORT DATA.
2. TERMINAL ROUTES: ALL MAG CRS DATA UNLESS NOTED OTHERWISE INCREASED 5 DEGREES - MAGVAR UPDATED.
3. TERMINAL ROUTES: MISSED APPROACH CELVA TO DSD VORTAC UPDATED FROM 315.00 TO 318.90 - CELVA MOVED 4216.19 FT NORTHWEST - MAGVAR UPDATE/ATC REQUEST.
4. TERMINAL ROUTES: MISSED APPROACH CA ALTITUDE CHANGED FROM 3860 TO 3859: TDZE ELEVATION CHANGED.
5. PROFILE LINE 2: HOLDING CRS AND FAC UPDATED FROM 311.15/326.08 TO 316.15/331.08 - UPDATED MAGAR.
6. PROFILE LINE 3: DIST FAF TO THLD UPDATED FROM 9.98 TO 9.99 - UPDATED EVALUATION.
7. PROFILE LINE 8: UPDATED MSA FROM "FEDKU" TO "RW34" AND UPDATED 20:1 STATUS FROM "IS NOT CLEAR" TO "IS CLEAR" - PER FPT/ATC: PREFERRED MSA ESTABLISHED AT RWY 16 THRESHOLD IAW 82060.19I 2-3-2 B(2); 20:1 PENETRATIONS REMOVED BY AIRPORT.
8. PBN NOTE: UPDATED FROM RNP APCH TO RNP APCH - GPS - IAW 8260.19I 8-6-8 B (2).
9. NOTES: DELETED CHART NOTE "STRAIGHT-IN MINIMUMS NA AT NIGHT" - 20:1 PENETRATIONS REMOVED.
10. NOTES: UPDATE CHART NOTE FROM "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" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CATS B, C, AND D 1/2 SM AND CIRCLING VISIBILITY CATS A, B, AND C 1/2 SM" - UPDATED EVALUATION; RASS INCREASE 20 FT AND MDA INCREASED 80 FT; VISIBILITY IAW 8260.3E, CHAPTER 3.
11. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT HARBU: MAX 230 KIAS"- TO MAINTAIN CURRENT INTERMEDIATE LEG LENGTH/ALLOW FOR ATC VECTORS.
12. NOTES: UPDATED PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT DSD VORTAC ON AIRWAY RADIAL 092 CW 196" TO "PROCEDURE NA FOR ARRIVAL ON DSD VORTAC AIRWAY RADIALS 092 CW 196" - UPDATED CHARTING CRITERIA.
13. NOTES: UPDATED NOTE FROM "RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 20:1 PENETRATIONS REMOVED/34:1 PENETRATIONS EXIST.
14. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST: FROM "CHART FAS OBST 3839 TREE 440057N/1211138W" TO "FAS OBST: 3920 AAO 440114N/1211119W" - UPDATED EVALUATION/MAP STUDY.
15. ADDITIONAL FLIGHT DATA: DELETED CHARTED OBSTS "4579 TREE 435506N/1210952W, 3869 TREE 440001N-1211121W AND 4419 TREE 435602N/1211010W" AND ADDED 7:1 OBSTS "4690 AAO 435500N/1210954W, 3960 AAO 440000N/1211103W" - UPDATED EVALUATION/MAP STUDY.
16. ADDITIONAL FLIGHT DATA: UPDATED CODAY TO RW34 FROM 3.01/50 TO 3.00/53 - OPTIMIZES VDA WITH VGSI ANGLE.
17. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.63 NM TO FEDKU" - IAW 8206.19I 8-6-10M; 20:1 PENETRATIONS REMOVED BY AIRPORT.
18. ADDITIONAL FLIGHT DATA: UPDATED FAC CROSSES RWY C/L EXTENDED DISTANCE FROM "3000 FT FROM THLD" TO "3002 FT FROM THLD" - NEW TARGETS EVALUATION; IAW 8260.19I, 8-6-10.
19. MINIMUMS: UPDATED LNAV MDA/HAT ALL CATS FROM 4100 TO 4180 AND VIS CATS C/D FROM 1 3/4 TO 2 - NEW CONTROLLING OBST WITH UPDATED EVALUATION/MAP STUDY.
20. MINIMUMS: UPDATED CIRCLING CATS A/B MDA/HAA FROM 4100/640 TO 4180/721, CAT C MDA/HAA FROM 4120/660 TO 4180/721 AND CAT D HAA FROM 1180 TO 1181 - UPDATED FINAL OBST AND APT ELEV CHANGED.
21. MINIMUMS: UPDATED CIRCLING VISIBILITY CAT C FROM 1 3/4 TO 2 - CIRCLING VISIBILITY IAW 8260.3E TABLE 3-3-7.
22. MINIMUMS: ADDED ALTERNATE MINIMUMS: STANDARD - CAT D 1200-3, NA WHEN LOCAL WEATHER NOT AVAILABLE - PER FPT AND IAW 8260.3E 3-4.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

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OTHER:

ZSE, APRT 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 20, 2023

OFFICE

AJV-A421

DATE

04/11/2023

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Jun 06, 2023

OFFICE

AJV-A420

DATE

TITLE
MANAGER

