

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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.

AIRPORT ID RDM	PROCEDURE NAME RNAV (RNP) Z RWY 23	ORIGINAL/AMENDMENT 3	CITY REDMOND	STATE OR
AIRPORT ELEVATION 3082	TDZE 3067	SUPERSEDED RNAV (RNP) Z RWY 23	DATED 06/12/2025	MAG VAR 14E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2020
				CANCEL/SUSPEND

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>
CUPRI	IAF	FABTY		TF	FB	1.00	127.84	14.22	6600
FLUSS	IAF	YUBUB		TF	FB	1.00	226.68	6.28	7100
SAKKO	IAF	FEXOM		TF	FB	1.00	316.56	6.66	6600
FABTY	IF	WEPUM		TF	FB	1.00	137.01	5.00	6000
YUBUB	IF	HUTKI		TF	FB	1.00	226.59	4.73	6200
FEXOM	IF	CAVSE		TF	FB	1.00	316.53	3.60	5600
CANAM	IF	JIDUT		TF	FB	1.00	047.50	6.18	6300
POWEL	IF	HOGEP		TF	FB	1.00	048.14	6.62	6700
HUTKI		VERNN	PFAF	TF	FB	1.00	226.52	4.40	5100
CAVSE		FONLI		TF	FB	1.00	316.48	2.26	5300
JIDUT		WEPUM		RF	FB	1.00	(2.11 NM RADIUS CW (CFLLL))	3.30	6000
HOGEP		SIXRR		RF	FB	1.00	(2.75 NM RADIUS CCW (CFRMM))	2.21	6100
SIXRR		FONLI		RF	FB	1.00	(2.75 NM RADIUS CCW (CFRMM))	2.19	5300
FONLI		VERNN	PFAF	RF	FB	1.00	(2.75 NM RADIUS CCW (CFRMM))	4.32	5100
WEPUM		VERNN	PFAF	RF	FB	1.00	(2.11 NM RADIUS CW (CFLLL))	3.30	5100
VERNN	PFAF	RW23	MAP	TF	FO	0.30	226.46	6.27	
RW23	MAP	ZIBNO		TF	FB	1.00	226.37	4.59	
ZIBNO		HEBAG		TF	FB	1.00	316.31	5.12	
HEBAG		CUPRI		TF	FO	1.00	350.55	19.41	7000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7000 ON TRACK 226.37 TO ZIBNO AND ON TRACK 316.31 TO HEBAG AND ON TRACK 350.55 TO CUPRI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT VERNN					
3. FAC:	226.46	PFAF:	VERNN	DIST FAF TO MAP:	DIST FAF TO THLD:
4. MIN ALT:	VERNN 5100				
5. DIST TO THLD FROM OM:	6.27	MM:	IM:	150 HAT:	256 HAT: 0.69
6. MIN GP INCPT:	5100	GP ALT AT PFAF: VERNN 5100		OM:	GS ANT:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 49.9	IM:
8. MSA FROM:	RW23 11600				

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS, RF. AUTHORIZATION REQUIRED.

NOTES:

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.1 ALL CATS VISIBILITY TO 3/4 SM, AND RNP 0.3 ALL CATS VISIBILITY TO 1 3/8 SM.
 CHART SPEED ICON IN PLANVIEW AT SAKKO: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT FABTY: MAX 190 KIAS.
 CHART SPEED ICON IN PLANVIEW AT CANAM: MAX 190 KIAS.
 CHART SPEED ICON IN PLANVIEW AT POWEL: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 168.00 INBOUND.

MINIMUMS:

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

ALTERNATE: NA STANDARD

CATEGORY:	A			B			C			D			E				
	FINAL TYPE	DA/MDA	VIS	HAT/HAA													
AUTHORIZATION REQUIRED																	
RNP 0.10 DA	3323	1/2	256	3323	1/2	256	3323	1/2	256	3323	1/2	256					QUALITY 39 CHECKED
RNP 0.30 DA	3552	1	485	3552	1	485	3552	1	485	3552	1	485					

CHANGES - REASONS

1. DELETED IAF SEGMENTS THAT BEGAN AT DESCHUTES DSD, WISSL, ARNOY AND URBIA. - COMPLETE PROCEDURE REDESIGN TO ALIGN RNAV PROCEDURE WITH ILS TO SAME RUNWAY
2. CREATED IAF SEGMENT BEGINNING AT FLUSS AND UPDATED IAF SEGMENTS BEGINNING AT CUPRI AND SAKKO. - PROCEDURE REDESIGN PER ATC REQUEST
3. DELETED IF SEGMENTS THAT BEGAN AT JUSLU, CAGOG AND CUXEP. - PROCEDURE REDESIGN
4. CREATED IF SEGMENTS BEGINNING AT FABTY, YUBUB AND FEXOM AND UPDATED IF SEGMENTS BEGINNING AT POWEL AND CANAB. - PROCEDURE REDESIGN
5. REMOVED MISSED APPROACH INSTRUCTIONS TO THE CLEARANCE LIMIT URBIA. - PROCEDURE REDESIGN
6. CREATED MISSED APPROACH INSTRUCTIONS TO THE CLEARANCE LIMIT CUPRI. - ALIGN RNAV RNP Z RWY 23 TO ILS OR LOC RWY 23 CLEARANCE LIMIT AT CUPRI
7. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP AR APCH - GPS. RF. AUTHORIZATION REQUIRED. FROM ARNOY: MIN RNP 0.70." TO "RNP AR APCH - GPS. RF. AUTHORIZATION REQUIRED." - RNP LESS THAN 1.0 NO LONGER REQUIRED ON AND IAF SEGMENTS
8. PROFILE: LINE 2 CHANGED FROM "PROFILE STARTS AT ZETBU" TO "PROFILE STARTS AT VERNN". - PFAF UPDATED TO ALIGN WITH ILS APPROACH TO SAME RWY
9. PROFILE: LINE 3 FAC CHANGED FROM "226.42" TO "226.46" AND PFAF CHANGED FROM "ZETBU" TO "VERNN". - UPDATED EVALUATION AND PROCEDURE REDESIGN
10. PROFILE: LINE 5 DIST TO THLD FROM OM CHANGED FROM "3.77" TO "6.27" AND "255 HAT: 0.69" CHANGED TO "256 HAT: 0.69". - UPDATED EVALUATION AND PROCEDURE REDESIGN
11. PROFILE: LINE 6 MIN GP INCPT CHANGED FROM "4300" TO "5100" AND GP ALT AT PFAF CHANGED FROM "ZETBU 4300" TO "VERNN 5100". - PFAF CHANGED TO ALIGN WITH ILS OR LOC RWY 23 AND 3.00/49.9' TCH
12. PROFILE: LINE 7 TCH CHANGED FROM "47.1" TO 49.9". - UPDATED SURVEY
13. PROFILE: LINE 8 MSA FROM RW23 CHANGED FROM "11700" TO 11600". - UPDATED EVALUATION
14. REMOVED PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - NO LONGER REQUIRED WITH UPDATED TCH
15. REMOVED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DSD VORTAC AIRWAY RADIALS 348 CW 092. - DSD VORTAC IAF SEGMENT REMOVED FROM PROCEDURE
16. REMOVED CHART SPEED ICON IN PLANVIEW NOTE AT URHAZ, JUSLU, CAGOG, JAPUV AND FIXEV. - FIXES REMOVED FROM PROCEDURE DUE TO TOTAL REDESIGN
17. ADDED CHART SPEED ICON IN PLANVIEW NOTE AT POWEL AND SAKKO: MAX 210 KIAS AND AT FABTY AND CANAM: MAX 190 KIAS. - ADDED PER FPT CHECKLIST AND CRITERIA REQUIREMENTS
18. MINIMUMS: FINAL TYPE: RNP 0.10 DA: CAT A/B/C/D DA CHANGED FROM "3322" TO "3323" AND HAT CHANGED FROM "255" TO "256". - UPDATED EVALUATION

COORDINATED WITH:

A4A
ALPA
AOPA
APA
HAI
NBAA
OTHER: ZSE, AMGR, ATA

FLIGHT CHECKED BY

JORDAN ROLIH

Digitally signed by
ROBERT G HAMILTON
 Nov 26, 2025

OFFICE

AJF

DATE

11/25/2025

DEVELOPED BY

BRYANT SMITH

Digitally signed by
ROBERT G HAMILTON
 Nov 26, 2025

OFFICE

AJV-A433

DATE

08/05/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
 Nov 26, 2025

OFFICE

AJV-A433

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> RDM	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 23	<u>AMDT NO.</u> 3	<u>CITY</u> REDMOND	<u>STATE</u> OR	<u>AIRPORT ELEVATION</u> 3082	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM CUPRI **TO** FABTY

RNP DISTANCE PAT MAP HAT HMAS
1.00 14.22

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442506.00N/1210542.00W	4886	215	8	4B	1000				AC8 PR100 AT606	6600
TERRAIN	442506.00N/1210539.00W	4603 (4600)								AS1500	6100

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL
FROM FLUSS **TO** YUBUB

RNP DISTANCE PAT MAP HAT HMAS
1.00 6.28

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442630.00N/1204136.00W	5922	215	8	4B	1000				AC8 PR140 AT30	7100
TERRAIN	442627.00N/1204212.00W	5377 (5400)								AS1500	6900

COMPUTATIONS

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

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FACILITY
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INITIAL

FROM
SAKKO

TO
FEXOM

RNP
1.00

DISTANCE
6.66

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	440848.00N/1204521.00W	4600	215	8	4B	1000				AC8 AT992	6600
TERRAIN	440848.00N/1204524.00W	4386 (4400)								AS1500	5900

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
FABTY

TO
WEPUM

RNP
1.00

DISTANCE
5.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442506.00N/1210542.00W	4886	215	8	4B	500				AC8 PR120 AT486	6000
TERRAIN	442527.00N/1210351.00W	4288 (4300)								AS1500	5800

COMPUTATIONS

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

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FACILITY
RNAV

INTERMEDIATE

FROM
YUBUB

TO
HUTKI

RNP
1.00

DISTANCE
4.73

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442451.00N/1205057.00W	4305	215	8	4B	500				AC8 AT1387	6200
TERRAIN	442451.00N/1205100.00W	4097 (4100)								AS1500	5600

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
FEXOM

TO
CAVSE

RNP
1.00

DISTANCE
3.60

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	441403.00N/1205042.00W	4302	215	8	4B	500				AC8 AT790	5600
TERRAIN	441403.00N/1205042.00W	4101 (4100)								AS1500	5600

COMPUTATIONS

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

SEGMENT REMARKS:



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FACILITY
RNAV

INTERMEDIATE

FROM
CANAM

TO
JIDUT

RNP
1.00

DISTANCE
6.18

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442324.00N/1210627.00W	4439	215	8	4B	500				AC8 AT1353	6300
TERRAIN	442324.00N/1210630.00W	4238 (4200)								AS1500	5700

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
POWEL

TO
HOGEP

RNP
1.00

DISTANCE
6.62

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (41-020387)	441150.87N/1205840.56W	5335	500	125	5E	500				AC125 AT740	6700
TERRAIN	441139.00N/1205839.00W	5216 (5200)								AS1500	6700

COMPUTATIONS

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

SEGMENT REMARKS:



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FACILITY
RNAV

INTERMEDIATE: STEPDOWN

FROM HUTKI **TO** VERNN

RNP 1.00 **DISTANCE** 4.40 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	441830.00N/1205551.00W	3656	215	8	4B	500				AC8 AT936	5100
TERRAIN	441830.00N/1205551.00W	3605 (3600)								AS1500	5100

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM CAVSE **TO** FONLI

RNP 1.00 **DISTANCE** 2.26 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRANSMISSION_LINE (41-089055)	441645.61N/1205632.89W	3688	250	50	4D	500				AC50 AT1062	5300
TERRAIN	441645.00N/1205627.00W	3625 (3600)								AS1500	5100

COMPUTATIONS

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

SEGMENT REMARKS:



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FACILITY
RNAV

INTERMEDIATE: STEPDOWN

FROM
JIDUT **TO**
WEPUM

RNP 1.00 **DISTANCE** 3.30 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442312.00N/1210630.00W	4331	215	8	4B	500				AC8 PR80 AT1081	6000
TERRAIN	442403.00N/1210451.00W	3763 (3800)								AS1500	5300

COMPUTATIONS

RF SEGMENT JIDUT-WEPUM **ALT** 6825 **CIAS** 190 **KTAS** 216.13 **HAA** 3743.08 **VKTW** 43.06 **TR** 2.11 **BA** 24.86 **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE** (CFLLL)/3.3 NM

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM
HOGEP **TO**
SIXRR

RNP 1.00 **DISTANCE** 2.21 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	441139.00N/1205806.00W	5109	215	8	4B	500				AC8 PR90 AT393	6100
TERRAIN	441242.00N/1205521.00W	4107 (4100)								AS1500	5600

COMPUTATIONS

RF SEGMENT HOGEP-SIXRR **ALT** 7281 **CIAS** 210 **KTAS** 240.59 **HAA** 4199.64 **VKTW** 46.46 **TR** 2.75 **BA** 23.59 **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE** (CFRMM)/2.21 NM

SEGMENT REMARKS:



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FACILITY
RNAV

INTERMEDIATE: STEPDOWN

FROM
SIXRR **TO**
 FONLI

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1.00 2.19

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRANSMISSION_LINE (41-089055)	441645.61N/1205632.89W	3688	250	50	4D	500				AC50 AT1062	5300
TERRAIN	441645.00N/1205627.00W	3625 (3600)								AS1500	5100

COMPUTATIONS

RF SEGMENT **ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**
SIXRR-FONLI 6728 210 238.52 3646.30 43.98 2.75 22.92 (CFRMM)/2.19 NM

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM
FONLI **TO**
 VERNN

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1.00 4.32

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRANSMISSION_LINE (41-089055)	441645.61N/1205632.89W	3688	250	50	4D	500				AC50 AT862	5100
TERRAIN	441830.00N/1205551.00W	3605 (3600)								AS1500	5100

COMPUTATIONS

RF SEGMENT **ALT** **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**
FONLI-VERNN 6180 210 236.51 3098.02 35.48 2.75 21.41 (CFRMM)/4.32 NM

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FACILITY
RNAV

INTERMEDIATE: STEPDOWN

FROM WEPUM **TO** VERNN

RNP 1.00 **DISTANCE** 3.30 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	442318.00N/1205933.00W	3819	215	8	4B	500				AC8 AT773	5100
TERRAIN	442130.00N/1205842.00W	3454 (3500)								AS1500	5000

COMPUTATIONS

RF SEGMENT WEPUM-VERNN **ALT** 6000 **CIAS** 190 **KTAS** 213.39 **HAA** 2918.50 **VKTW** 21.19 **TR** 2.11 **BA** 20.78 **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE** (CFLLL)

SEGMENT REMARKS:

FINAL

FROM VERNN **TO** RW23

RNP 0.10 **DISTANCE** 6.27 **PAT** **MAP** DA **HAT** 256 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			MA6	3323

COMPUTATIONS

ALT **CIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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FACILITY
RNAV

FINAL

FROM
VERNN

TO
RW23

RNP
0.30

DISTANCE
6.27

PAT

MAP
DA

HAT
485

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	441521.00N/1210709.00W	3113	215	8	4B					AC8 MA68 XP363	3552

COMPUTATIONS

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

SEGMENT REMARKS:

XP TO MAINTAIN RNP 0.30 DA.

MISSED APPROACH: LEVEL SURFACE

FROM
DA

TO
CUPRI

RNP
0.10-1.00

DISTANCE

PAT

MAP

HAT

HMAS
3077

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (41-039955)	441544.24N/1210745.47W	3088	20	3	1A		ASC				7000
NAVAID (41-022922)	441509.95N/1211812.69W	4126	20	20	1C	1000					4200
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

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RNAV

MISSED APPROACH: LEVEL SURFACE

FROM
DA **TO**
CUPRI

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
3223

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (41-029281)	441519.76N/1210715.69W	3179	50	20	2C		ASC				7000
NAVAID (41-022922)	441509.95N/1211812.69W	4126	20	20	1C	1000					4200
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:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

MSA

CENTER **RADIUS**
RW23 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	440612.00N/1214609.00W	237	28.8	10552	215	8	4B	1000			11600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZSE ARTCC, RDM TOWER

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

WX REMARKS:

RDM ASOS IS ON SERVICE-A AVAILABLE 24-HOURS. BDN BACKUP ALTIMETER LISTED IS AUTO DATA PULL/NOT APPLICABLE.



AIRPORT ID
RDM

PROCEDURE NAME
RNAV (RNP) Z RWY 23

AMDT NO.
3

CITY
REDMOND

STATE
OR

AIRPORT ELEVATION
3082

FACILITY
RNAV

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
01H	H-G	
RW11 - REIL (PCL), MIRL (PCL), PAPI-4L	NPI-G	
RW29 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW05 - HIRL (PCL), REIL (PCL), VASI-4L	PIR-G	
RW23 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
3053.9

TCH
49.9

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
50.9

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW
-16C

CRITICAL HIGH
+54C

ACT
-16C

APT ISA
+8.9C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (20-24).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 997 HIGH TEMP 1315.

"VISUAL PORTION OF FINAL" PENETRATIONS

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.

50 FT VEGETATION HEIGHT USED PER FPT.

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	3.13
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	240.46
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3100
DISTANCE FROM	THLD	TO 1500FT POINT	4.70
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	2.80
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	%
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	3100

THRESHOLD COORDINATES (IF STR-IN) 441532.60N/1210818.39W
ARP COORDINATES 441514.65N/1210859.90W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 29 DISTANCE 0.59 NM
FAF COORDINATES 441838.27N/1210043.13W
FIX NAME COORDINATES

REMARKS

% 1500 FT POINT OCCURS AT RF INTERMEDIATE WEPUM (442129.92N/1205936.68W) TO VERNN (441838.27N/1210043.12W) RF TURN FIX (CFLLL) (442028.53N/1210210.25W)
 % 1500 FT POINT OCCURS AT RF INTERMEDIATE FONLI (441736.05N/1205530.12W) TO VERNN (441838.27N/1210043.12W) RF TURN FIX (CFVHH) (441614.68N/1205849.93W)

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
BRYANT SMITH	AJV-A433	08/05/2025	AERONAUTICAL INFORMATION SPECIALIST

