

**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.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
PDX	RNAV (RNP) Z RWY 10R	1	PORTLAND	OR		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
31	24	RNAV (RNP) Z RWY 10R	ORIG-C	09/08/2022	16E	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		31 OCTOBER 2024	ROUTINE			

**TERMINAL ROUTES**

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 24-23.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MYCRO	IF	TOWWN		TF	FB	1.00	323.07	4.02	3800
TOWWN		MIVUE		RF	FB	1.00	(2.50 NM RADIUS CW (CFFVS))	3.48	2800
MIVUE		POWLZ	PFAF	RF	FB	1.00	(2.50 NM RADIUS CW (CFFVS))	2.62	2000
VOODU	IF	CATUL		TF	FB	1.00	206.67	5.14	3500
CATUL		POWLZ	PFAF	RF	FB	1.00	(2.77 NM RADIUS CCW (CFFVT))	5.01	2000
CIZZL	IF	DAYSS		TF	FB	1.00	283.19	3.99	4500
DAYSS		CATUL		RF	FB	1.00	(2.77 NM RADIUS CCW (CFFVT))	3.70	3500
SCAPO	IF	WETTR		TF	FB	1.00	102.62	6.08	4000
WETTR		SAUVI		TF	FB	1.00	102.81	4.40	2900
SAUVI		POWLZ	PFAF	TF	FB	1.00	102.87	3.00	2000
POWLZ	PFAF	RW10R	MAP	TF	FO	0.30	102.92	6.04	
RW10R	MAP	440 MSL		CA			102.92		440
440 MSL		MULES		DF	FO	1.00			5000

**MISSED APPROACH**

**MAP:**

RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 440 THEN CLIMBING RIGHT TURN TO 5000 DIRECT MULES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT POWLZ														
3.	FAC:	102.92	PFAF:	POWLZ	DIST PFAF TO MAP:	DIST PFAF TO THLD:									
4.	MIN ALT: POWLZ 2000														
5.	DIST TO THLD FROM PFAF:	6.04	MM:	IM:	150 HAT:	300 HAT:	0.78	GS ANT:							
6.	MIN GP INCPT:	2000	GP ALT AT PFAF:	POWLZ 2000		OM:		MM:		IM:					
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	53.0							
8.	MSA FROM: RW10R 5700														

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM DAYSS, CATUL, OR TOWNN: RF.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SCAPO ON V165 AND T263 NORTHWEST BOUND.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.18 ALL CATS VISIBILITY TO RVR 4500, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.  
CHART SPEED ICON IN PLANVIEW AT MYCRO: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT VOODU: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT CIZZL: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:



CHART KVUO IN PLANVIEW  
HOLD S, LT, 345.00 INBOUND.  
CHART AT OR ABOVE 5000 AT MYCRO.  
CHART AT OR ABOVE 5000 AT VOODU.  
CHART AT OR ABOVE 6000 AT CIZZL.

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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.18 DA	324	2400	300	324	2400	300	324	2400	300	324	2400	300			
RNP 0.30 DA	397	3500	373	397	3500	373	397	3500	373	397	3500	373			



CHANGES - REASONS

1. CIZZL, VOODU, DAYSS, CATUL, TOWNN AND MYCRO CHANGED FROM IAF'S TO IF'S - ATC REQUEST.  
2. TERMINAL ROUTE FROM VOODU TO CATUL COURSE CHANGED FROM 206.66 TO 206.67 - TARGETS CALCULATION.  
3. TERMINAL ROUTE FROM CIZZL TO DAYSS COURSE CHANGED FROM 283.18 TO 283.19 - DAYSS MOVED FOR TANGENCY.  
4. CHART NOTE CHANGED FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C OR ABOVE 54C TO -5C OR ABOVE 54C. - TEMPERATURE VALUE RECALCULATED.  
5. CHART NOTE CHANGED FROM FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO RVR 5500 TO FOR INOPERATIVE ALS, INCREASE RNP 0.18 ALL CATS VISIBILITY TO RVR 4500, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500. - 8260.3E.  
6. ADDITIONAL FLIGHT DATA CHANGED FROM CHART AT/ABOVE 5000 AT CIZZL, CHART MANDATORY 5000 AT MYCRO, CHART MANDATORY 5000 AT VOODU TO CHART AT OR ABOVE 5000 AT MYCRO, CHART AT OR ABOVE 5000 AT VOODU, CHART AT OR ABOVE 6000 AT CIZZL. - ATC REQUEST.  
7. RNP 0.10 DA REMOVED AND REPLACED WITH RNP 0.18 DA - ATC REQUEST.  
8. RNP 0.30 DA DA/HAT CHANGED FROM 449/425 TO 397/373 AND VIS CHANGED FROM RVR 4000 TO RVR 3500. - NEW FINAL CONTROLLER IDENTIFIED.  
9. PROFILE LINE 3 REMOVED THE DIST PFAF TO MAP 6.04. - TIMING TABLE NOT APPLICABLE.  
10. PROFILE LINE 6 CHANGED FROM 346 HAT: 0.92 TO 300 HAT: 0.78. - RNP 0.18 DA REPLACED RNP 0.10 DA.  
11. PROFILE LINE 8 CHANGED FROM MSA FROM: RW10R 5600 TO RW10R 5700. - NEW MSA CONTROLLER IDENTIFIED.  
12. REMOVED CHART PLANVIEW NOTE: RADAR REQUIRED. - RADAR IS NOT REQUIRED.  
13. CHANGED CHART NOTE FROM PROCEDURE NA FOR ARRIVALS AT SCAPO ON V165 NORTHWEST BOUND TO PROCEDURE NA FOR ARRIVALS AT SCAPO ON V165 AND T263 NORTHWEST BOUND. - T263 OVERLAY V165.

9/12/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/4/2024.  
1. REMOVED ADDITIONAL FLIGHT DATA NOTE CHART LOC RWY 10L.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZSE, PDX ACTC, ARPT MGR, ST AERO

FLIGHT CHECKED BY

WENDI S GIMA

Digitally signed by  
JOSEPH L ZEDER  
Sep 04, 2024

OFFICE

FPO

DATE

08/29/2024

DEVELOPED BY

TYLER MITCHELL

Digitally signed by  
JOSEPH L ZEDER  
Sep 04, 2024

OFFICE

AJV-A432

DATE

05/31/2024

APPROVED BY

CASIMIR L. TABAKA

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JOSEPH L ZEDER  
Sep 04, 2024

OFFICE

AJV-A432

DATE

10/31/2024

TITLE

MANAGER

