

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> PDX | <u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 28L | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> PORTLAND | <u>STATE</u> OR |
| <u>AIRPORT ELEVATION</u> 31 | <u>TDZE</u> 23 | <u>SUPERSEDED</u> RNAV (RNP) Z RWY 28L | <u>DATED</u> 06/26/2014 | <u>MAG VAR</u> 16E |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>EPOCH YEAR</u> 2010 |
| | | | | <u>CANCEL/SUSPEND</u> |

| | | | | | | | | | |
|---|-----------------|-------------|-----------------|-----------------|--------------|------------|------------------------------|-----------------|-----------------|
| TERMINAL ROUTES | | | | | | | | | |
| THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 24-23. | | | | | | | | | |
| <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> |
| ROAGE | IF | DSHUT | | TF | FB | 1.00 | 015.88 | 2.51 | 3200 |
| DSHUT | | NOLGE | | RF | FB | 1.00 | (2.34 NM RADIUS CCW (CFBHS)) | 2.22 | 2500 |
| NOLGE | | ADDUM | PFAF | RF | FB | 1.00 | (2.34 NM RADIUS CCW (CFBHS)) | 1.57 | 2000 |
| HPSTR | IF | HANAH | | TF | FB | 1.00 | 283.23 | 4.36 | 2900 |
| HANAH | | ADDUM | PFAF | TF | FB | 1.00 | 283.16 | 3.00 | 2000 |
| ADDUM | PFAF | RW28L | MAP | TF | FO | 0.30 | 283.12 | 6.04 | |
| RW28L | MAP | 2100 MSL | | CA | | | 283.12 | | 2100 |
| 2100 MSL | | UBG VOR/DME | | DF | FO | 1.00 | | | 4000 |

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 4000 DIRECT UBG VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

| | | | | | |
|---------------------------------|----------------------------|----------------|-------------------|---------------|--------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. PROFILE STARTS AT ADDUM | | | | | |
| 3. FAC: 283.12 | PFAF: ADDUM | | DIST PFAF TO MAP: | | DIST PFAF TO THLD: |
| 4. MIN ALT: ADDUM 2000 | | | | | |
| 5. DIST TO THLD FROM PFAF: 6.04 | MM: | IM: | 150 HAT: | 376 HAT: 1.01 | GS ANT: |
| 6. MIN GP INCPT: 2000 | GP ALT AT PFAF: ADDUM 2000 | | | OM: | MM: |
| 7. GP ANGLE: 3.00 | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH: 54.8 | | IM: |
| 8. MSA FROM: RW28L 5800 | | | | | |



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM DSHUT: RF.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C.
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: SIMULTANEOUS APPROACH AUTHORIZED.
CHART SPEED ICON IN PLANVIEW AT ROAGE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:



HOLD S, LT, 003.00 INBOUND.
CHART AT OR ABOVE 4000 AT ROAGE.

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 0.30 DA | 399 | 6000 | 376 | 399 | 6000 | 376 | 399 | 6000 | 376 | 399 | 6000 | 376 | | | |

CHANGES - REASONS

1. REMOVED INTERMEDIATE SEGMENT FROM WIDMR. - ATC REQUEST.
2. ADDED NEW INTERMEDIATE FROM ROAGE. - ATC REQUEST.
3. TERMINAL ROUTE FROM DSHUT TO NOLGE DISTANCE CHANGED FROM 2.23 TO 2.22. - DSHUT MOVED.
4. TERMINAL ROUTE FROM NOLGE TO ADDUM RADIUS CHANGED FROM 2.33 TO 2.34. - DSHUT MOVED.
5. ADDED PROFILE LINE 7 20:1 OS CLEAR. - 20:1 IS CLEAR.
6. REMOVED CHART NOTE: GPS REQUIRED AND ADDED PBN REQUIREMENTS NOTE RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM DSHUT: RF. - 8260.19J.
7. CHART NOTE CHANGED FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 54C (130F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C. - 8260.19J.
8. CHART NOTE CHANGED FORM VGSI AND RNAV GLIDEPATH NOT COINCIDENT TO VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - 8260.19J
9. REMOVED NOTE CHART PLANVIEW NOTE AT WIDMR: MAX 210 KIAS AND ADDED CHART SPEED ICON IN PLANVIEW AT ROAGE: MAX 210 KIAS. - WIDMR REMOVED AND SPEED RESTRICTION NOW PART OF ROAGE ROUTE.
10. ADDED ADDITIONAL FLIGHT DATA CHART AT OR ABOVE 4000 AT ROAGE. - 8260.19J
11. REMOVED RNP 0.27 DA. - ATC REQUEST.
12. RNP 0.30 DA CHANGED DA/HAT FROM 494/471 TO 399/376. - NEW FINAL CONTROLLER IDENTIFIED.
13. PROFILE LINE 5 CHANGED DIST FROM 351 HAT: 0.93 NM TO 376 HAT: 1.01 - RNP 0.27 REMOVED, UPDATED TO RNP 0.30 MINS.
14. REMOVED NOTES: CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS, CHART PLANVIEW NOTE ADJACENT TO WIDMR: RF REQUIRED. - DATA CAPTURED IN PBN REQUIREMENT NOTES.
15. NOTE CHANGED FROM CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28R TO SIMULTANEOUS APPROACH AUTHORIZED. - ATC REQUEST.
16. ADDITIONAL FLIGHT DATA REMOVED ROUTE TYPE: A, H, ROUTE TYPE QUALIFIER1: F, ROUTE TYPE QUALIFIER2: S - NO LONGER REQUIRED.

9/12/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/4/2024.
1. REMOVED ADDITIONAL FLIGHT DATA NOTE CHART LOCALIZER RWY 28R.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZSE, PDX ATCT, AMGR, ST AERO

FLIGHT CHECKED BY

WENDI S GIMA

Digitally signed by

JOSEPH L ZEDER

Sep 04, 2024

OFFICE

FPO

DATE

08/30/2024

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

Digitally signed by

JOSEPH L ZEDER

Sep 04, 2024

OFFICE

AJV-A432

DATE

10/31/2024

TITLE

MANAGER

