

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW28L					
MAVER		WALAP (TF) (FB) (RNP 2.00)		036.84 / 11.79				4000		CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 4000 DIRECT UBG VOR/DME AND HOLD.					
WALAP (IAF)		HPSTR (TF) (FB) (RNP 1.00) ←		357.15 / 14.69				3700							
SHAFR (IAF)		REEDI (TF) (FB) (RNP 1.00)		218.72 / 7.29				5700							
REEDI (IAF)		HPSTR (TF) (FB) (RNP 1.00) ←		253.59 / 5.28				3700							
HPSTR (IF)		HANAH (TF) (FB) (RNP 1.00)		283.23 / 4.36				2900							
(SEE FORM 8260-10)															
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED ORIGINALLY IN TL 18-01 AND AS A CORRECTED COPY IN TL 18-03.										ADDITIONAL FLIGHT DATA: HOLD S, LT, 003.00 INBOUND. CHART FAS OBST: 323 TANK 453242N/1223129W. CHART 295 ANTENNA 453326N/1223006W. DISTANCE TO THLD FROM 286 HAT: 0.73 NM. CHART VDP AT 1.39 NM TO RW28L* *LNAV ONLY. WAAS CHANNEL # 56205 REFERENCE PATH ID: W28B CHART CIRCLING ICON. CHART MANDATORY 6700 AT SHAFR. LTP HAE: -15.8 M					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 16E EPOCH YEAR: 2010					
2. PROFILE STARTS AT HPSTR															
3. FAC: 283.12 FAF: ADDUM DIST FAF TO MAP: 6.04 THLD: 6.04															
4. MIN. ALT: HPSTR 3700, HANAH 2900, ADDUM 2000, YINUP/3.80 NM TO RW28L 1280* ←															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 2000 GS ALT AT: ADDUM 2000 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 54.8 34:1 IS CLEAR															
8. MSA FROM: RW28L 5900															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	309	2200	286	309	2200	286	309	2200	286	309	2200	286			
LNAV/VNAV DA	368	3000	345	368	3000	345	368	3000	345	368	3000	345			
LNAV MDA	540	2400	517	540	2400	517	540	5500	517	540	5500	517			
CIRCLING	720	1	689	760	1	729	1060	3	1029	1060	3	1029			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 54C (130F). @ CAT C, D 1100-3 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)															
CITY AND STATE PORTLAND, OR		ELEVATION: 31 TDZE: 23 AIRPORT NAME: PORTLAND INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) X RWY 28L, AMDT 4 1 FEBRUARY 2018						SUP: AMDT: 3 DATED 06/25/2015			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HANAH	ADDUM (TF) (FB) (RNP 1.00)	283.16 / 3.00	2000
ADDUM (FAF)	YINUP/3.80 NM TO RW28L (TF) (FB) (RNP 0.30)	283.12 / 2.24	
YINUP/3.80 NM TO RW28L	RW28L (MAP) (TF) (FO) (RNP 0.30)	283.12 / 3.80	
RW28L (MAP)	2100 MSL (CA)	283.12	2100
2100 MSL	UBG VOR/DME (DF) (FO) (RNP 1.00)		4000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

CHART SPEED ICON IN PLANVIEW AT SHAFR : MAX 210 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAVER ON V448 SOUTHBOUND AND ON V165 EASTBOUND.

QUALITY
4
CHECKED

CITY AND STATE

PORTLAND, OR

ELEVATION: 31

TDZE: 23

AIRPORT NAME:

PORTLAND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) X RWY 28L, AMDT 4

1 FEBRUARY 2018

SUP:

AMDT: 3

DATED: 06/25/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPDX
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	X
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	453449.8530N
LTP/FTP LONGITUDE	1223502.0460W
LTP/FTP ELLIPSOIDAL HEIGHT	-00158
FPAP LATITUDE	453542.5345N
FPAP LONGITUDE	1223717.3020W
THRESHOLD CROSSING HEIGHT (TCH)	00054.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

7F3F2477

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00069
FPAP ORTHOMETRIC HEIGHT	+00069

QUALITY
4
CHECKED

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				AMDT: 3
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