

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												
PITER (IAF)	WETTR (FB)	136.16 / 13.08	4000	LPV: DA LNAV/VNAV: DA LNAV: RW10R											
HOGUM (IAF)	WETTR (FB)	062.06 / 5.10	4000												
WETTR (IF)	SAUVI (FB)	102.81 / 4.40	2900	CLIMB TO 440 THEN CLIMBING RIGHT TURN TO 5000 DIRECT MULES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.											
SAUVI	POWLZ (FB)	102.88 / 3.00	2000												
POWLZ (FAF)	JADNU/2.48 NM TO RW10R (FB)	102.92 / 3.56		ADDITIONAL FLIGHT DATA: HOLD S, LT, 345.00 INBOUND. CHART FAS OBST: 134 TREE 453602N/1223829W CHART FAS OBST: 174 TREE 453617N/1223902W DISTANCE TO THLD FROM 200 HATH: 0.46 NM. CHART VDP AT 1.09 MILES TO RW10R* *LNAV ONLY. WAAS CHANNEL # 40004 REFERENCE PATH ID: W10A CHART KVVU IN PLANVIEW CHART RWY 10L LOC CHART: 542 T-L TOWER 453828N/1224244W CHART: 245 BRIDGE 453714N/1224025W LTP HAE: -15.8 M											
JADNU/2.48 NM TO RW10R	RW10R (MAP) (FO)	102.97 / 2.48													
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WETTR 3. FAC: 102.92 FAF: POWLZ DIST FAF TO MAP: 6.04 THLD: 6.04 4. MIN. ALT: WETTR 4000, SAUVI 2900, POWLZ 2000, JADNU/2.48 NM TO RW10R 860* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: POWLZ 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.0 34:1 IS CLEAR 8. MSA FROM: RW10R 5600				MAG VAR: 16E EPOCH YEAR: 2010											
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	223	2400	200	223	2400	200	223	2400	200	223	2400	200			
LNAV/VNAV DA	328	2400	305	328	2400	305	328	2400	305	328	2400	305			
LNAV MDA	440	2400	417	440	2400	417	440	4000	417	440	4000	417			
CIRCLING	720	1	689	740	1	709	760	2	729	980	3	949			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ CAT D 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 10L (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 31 THRE: 23		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 10R					
PORTLAND, OR		AIRPORT NAME: PORTLAND INTL				RNAV (GPS) Y RWY 10R, AMDT 2 20 SEPTEMBER 2012				AMDT: 1A					
										DATED 03/08/2012					

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RNAV - STANDARD
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW10R (MAP)	440 MSL	102.97	440
440 MSL	MULES (FO)		5000

NOTES, (CONT.):

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

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT PITER ON V112 WESTBOUND

QUALITY
A
CHECKED

CITY AND STATE

PORTLAND, OR

ELEVATION: 31

THRE: 23

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PORTLAND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10R, AMDT 2
20 SEPTEMBER 2012

SUP: RNAV (GPS) RWY
10R

AMDT: 1A

DATED: 03/08/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPDX
RUNWAY	RW10R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	453542.5345N
LTP/FTP LONGITUDE	1223717.3020W
LTP/FTP ELLIPSOIDAL HEIGHT	-00158
FPAP LATITUDE	453449.8400N
FPAP LONGITUDE	1223502.0500W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
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)	35.0

CRC REMAINDER

76F510C9

ADDITIONAL PATH POINT RECORD INFORMATION

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

CITY AND STATE

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PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10R, AMDT 2

20 SEPTEMBER 2012

SUP: RNAV (GPS) RWY
10R

AMDT: 1A

DATED: 03/08/2012

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KPDXX1FR10RY	AHOGUM	010HOGUMK1EA0E	A	IF					18000		A	JS	
SUSAP	KPDXX1FR10RY	AHOGUM	020WETTRK1EA0EE	B	010TF		06210051	+	04000			A	JS	
SUSAP	KPDXX1FR10RY	APITER	010PITERK1EA0E	A	IF					18000		A	JS	
SUSAP	KPDXX1FR10RY	APITER	020WETTRK1EA0EE	B	010TF		13620131	+	04000			A	JS	
SUSAP	KPDXX1FR10RY	R	010WETTRK1EA0E	I	IF			+	04000	18000		A	JS	
SUSAP	KPDXX1FR10RY	R	011SAUVIK1EA0E	S	051TF		10280044	+	02900			A	JS	
SUSAP	KPDXX1FR10RY	R	020POWLZK1EALE	F	051TF		10290030	+	02000		RW10R	K1PGA	JS	
SUSAP	KPDXX1FR10RY	R	020POWLZK1EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP	KPDXX1FR10RY	R	021JADNUK1EA0E	S	031TF		10290036	V	0086000865		-300		A	JS
SUSAP	KPDXX1FR10RY	R	030RW10RK1PGOGY	M	031TF		10300025		00076		-300		A	JS
SUSAP	KPDXX1FR10RY	R	040		0 M	CA	1030	+	00440				A	JS
SUSAP	KPDXX1FR10RY	R	050MULESK1EA0EY	R	DF			+	05000				A	JS
SUSAP	KPDXX1FR10RY	R	060MULESK1EA0EE	L	HM		34500050	+	05000				A	JS

[illegible]Page 4 of 6 Pages

<p>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</p> <p>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</p> <p>FLIGHT STANDARDS SERVICES - FAR PART 97.33</p>	<p>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.</p>
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MSA      1          2          3          4          5          6          7          8          9          0          1          2          3
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KPDxKISRwI0RKlPG              0   18018005625                                     M
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CITY AND STATE
PORTLAND, OR

ELEVATION: 31 THRE: 23
AIRPORT NAME: PORTLAND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 10R, AMDT 2
 20 SEPTEMBER 2012

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HOGUM	HOGUM	010	IAF	IF		FB					
	HOGUM	WETTR	020		TF		FB	1.0	062.1(078.1T)	005.1	AA 04000	
	PITER	PITER	010	IAF	IF		FB					
	PITER	WETTR	020		TF		FB	1.0	136.2(152.2T)	013.1	AA 04000	
		WETTR	010	FACF	IF		FB				AA 04000	
		SAUVI	011	SDF	TF		FB	0.5	102.8(118.8T)	004.4	AA 02900	
		POWLZ	020	FAF	TF		FB	0.5	102.9(118.9T)	003.0	AA 02000	
		JADNU	021	SDF	TF		FB	0.3	102.9(118.9T)	003.6	AA 00860	GS 00865
		RW10R	030	MAP	TF		FO	0.3	103.0(119.0T)	002.5	AT 00076	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		103.0(119.0T)		AA 00440	
	MULES	050		DF	R	FO				AA 05000	
	MULES	060		HM	L	FO		345.0(001.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOGUM	N454109.18	W1230110.85	N4541.153	W12301.181
	JADNU	N453654.64	W1224022.69	N4536.911	W12240.378
	MULES	N452710.51	W1223555.86	N4527.175	W12235.931
	PITER	N455346.17	W1230246.31	N4553.770	W12302.772
	POWLZ	N453838.07	W1224449.24	N4538.635	W12244.821
	SAUVI	N454004.96	W1224833.71	N4540.083	W12248.562
	WETTR	N454212.29	W1225403.57	N4542.205	W12254.060
	RW10R	N453542.53	W1223717.30	N4535.709	W12237.288

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10R	00023	53

CITY AND STATE PORTLAND, OR	ELEVATION: 31	THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10R
	AIRPORT NAME:			RNAV (GPS) Y RWY 10R, AMDT 2	AMDT: 1A
	PORTLAND INTL		RNAV	20 SEPTEMBER 2012	DATED: 03/08/2012