

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PITER (IAF)	ANINE (FB)	130.77 / 9.24	4000	LPV: DA LNAV/VNAV: DA LNAV: RW10L CLIMB TO 800 THEN CLIMBING LEFT TURN TO 4200 DIRECT BTG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4200.
ANINE	BUXOM (FB)	130.85 / 5.00	3000	
HOGUM (IAF)	BUXOM (FB)	067.95 / 6.72	3000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 165.00 INBOUND. CHART FAS OBST: 163 ROD ON OL BLDG 453520N/1223537W CHART FAS OBST: 298 TOWER 453741N/1223955W DISTANCE TO THLD FROM 266 HATH: 0.68 NM. CHART VDP AT 1.63 MILES TO RW10L* *LNAV ONLY. WAAS CHANNEL # 81804 REFERENCE PATH ID: W10B CHART KVVU IN PLANVIEW CHART LOC RWY 10R CHART 542 T-L TWR 453828N/1224244W LTP HAE: -13.7 M
BUXOM (IF)	TRAYL (FB)	102.84 / 3.72	2900	
TRAYL	BLAZR (FB)	102.90 / 3.00	2000	
BLAZR (FAF)	RW10L (MAP) (FO)	102.94 / 6.03		
RW10L (MAP)	800 MSL	102.94	800	
800 MSL	BTG VORTAC (FO)		4200	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT BUXOM
3. FAC: 102.94 FAF: BLAZR DIST FAF TO MAP: 6.03 THLD: 6.03
4. MIN. ALT: BUXOM 3000, TRAYL 2900, BLAZR 2000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: BLAZR 2000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 49.3 34:1 IS CLEAR
8. MSA FROM: RW10L 5800

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	296	2400	266	296	2400	266	296	2400	266	296	2400	266			
LNAV/VNAV DA	413	4500	383	413	4500	383	413	4500	383	413	4500	383			
LNAV MDA	600	2400	570	600	2400	570	600	1 1/4	570	600	1 1/4	570			
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 NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 10R
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
(SEE FORM 8260-10)

CITY AND STATE PORTLAND, OR	ELEVATION: 31 THRE: 30 AIRPORT NAME: PORTLAND INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 2 20 SEPTEMBER 2012	SUP: RNAV (GPS) RWY 10L AMDT: 1A DATED 03/08/2012
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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.

NOTES, (CONT.):

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY ALL CATS TO RVR 4500,

INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 1/4 MILE, AND LNAV

CAT C AND D VISIBILITY TO 1 5/8 MILE

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

QUALITY
A
CHECKED

CITY AND STATE
PORTLAND, OR

ELEVATION: 31 THRE: 30
AIRPORT NAME:
PORTLAND INTL

FACILITY
IDENTIFIER:
RNAV

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

SUP: RNAV (GPS) RWY
10L
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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 RW10L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W10B
LTP/FTP LATITUDE 453541.2750N
LTP/FTP LONGITUDE 1223544.1945W
LTP/FTP ELLIPSOIDAL HEIGHT -00137
FPAP LATITUDE 453458.0400N
FPAP LONGITUDE 1223353.2700W
THRESHOLD CROSSING HEIGHT (TCH) 00049.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0152
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

555FD054

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +00091
FPAP ORTHOMETRIC HEIGHT +00091

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RNAV (GPS) Y RWY 10L, AMDT 2

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPDXX1FR10LY	AHOGUM	010HOGUMK1EA0E	A	IF					18000		A	JS
SUSAP	KPDXX1FR10LY	AHOGUM	020BUXOMK1EA0EE	B	010TF		06800067	+	03000			A	JS
SUSAP	KPDXX1FR10LY	APITER	010PITERK1EA0E	A	IF					18000		A	JS
SUSAP	KPDXX1FR10LY	APITER	020ANINEK1EA0E		010TF		13080092	+	04000			A	JS
SUSAP	KPDXX1FR10LY	APITER	030BUXOMK1EA0EE	B	010TF		13090050	+	03000			A	JS
SUSAP	KPDXX1FR10LY	R	010BUXOMK1EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KPDXX1FR10LY	R	011TRAYLK1EA0E	S	051TF		10280037	+	02900			A	JS
SUSAP	KPDXX1FR10LY	R	020BLAZRK1EA1E	F	051TF		10290030	+	02000		RW10L K1PGA	JS	
SUSAP	KPDXX1FR10LY	R	020BLAZRK1EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KPDXX1FR10LY	R	030RW10LK1PGOGY	M	031TF		10290060		00079	-300		A	JS
SUSAP	KPDXX1FR10LY	R	040		0 M	CA	1029	+	00800			A	JS
SUSAP	KPDXX1FR10LY	R	050BTG	K1D	0VY	L	DF		04200			A	JS
SUSAP	KPDXX1FR10LY	R	060BTG	K1D	0VE	R	HM	+	04200			A	JS

[illegible][illegible]

CITY AND STATE PORTLAND, OR	ELEVATION: 31	THRE: 30	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 2 20 SEPTEMBER 2012	SUP: RNAV (GPS) RWY 10L
	AIRPORT NAME: PORTLAND INTL		RNAV		AMDT: 1A
					DATED: 03/08/2012

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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SUSAP KPDXX1PR10LY RW10L001Y0000W10B0N4535412750W12235441945-001370300N4534580400W12233532700106750152000493F400500555FD054
SUSAP KPDXX1PR10LY RW10L002E +00091+00091LEV 81804

[illegible]

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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		BUXOM	020		TF		FB	1.0	068.0(084.0T)	006.7	AA 03000	
PITER		PITER	010	IAF	IF		FB					
PITER		ANINE	020		TF		FB	1.0	130.8(146.8T)	009.2	AA 04000	
PITER		BUXOM	030		TF		FB	1.0	130.9(146.9T)	005.0	AA 03000	
		BUXOM	010	FACF	IF		FB				AA 03000	
		TRAYL	011	SDF	TF		FB	0.5	102.8(118.8T)	003.7	AA 02900	
		BLAZR	020	FAF	TF		FB	0.5	102.9(118.9T)	003.0	AA 02000	
		RW10L	030	MAP	TF		FO	0.3	102.9(118.9T)	006.0	AT 00079	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		102.9(118.9T)		AA 00800	
	BTG	050		DF	L	FO				AA 04200	
	BTG	060		HM	R	FO		165.0(181.0T)	005.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BTG	N454452.12	W1223529.53	N4544.869	W12235.492
	ANINE	N454602.46	W1225532.41	N4546.041	W12255.540
	BLAZR	N453836.62	W1224315.24	N4538.610	W12243.254
	BUXOM	N454151.27	W1225138.38	N4541.855	W12251.640
	HOGUM	N454109.18	W1230110.85	N4541.153	W12301.181
	PITER	N455346.17	W1230246.31	N4553.770	W12302.772
	TRAYL	N454003.67	W1224659.88	N4540.061	W12246.998
	RW10L	N453541.28	W1223544.19	N4535.688	W12235.737

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW10L	00030		49

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