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**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (RNP) - 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, (CONT.):**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GAMBE (IF)	TTIDE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFFWH))/5.88	2300
BUXOM (IF)	TRAYL (TF) (FB) (RNP 1.00)	102.84 / 3.72	2300
TRAYL	TTIDE (TF) (FB) (RNP 1.00)	102.90 / 2.03	2300
TTIDE	BLAZR (TF) (FB) (RNP 0.40)	102.93 / .97	2000
BLAZR (FAF)	RW10L (MAP) (TF) (FO)	102.94 / 6.03	
RW10L	800 MSL (CA)	102.94	800
800 MSL	BATYL (DF) (FO) (RNP 1.00)		4400

**NOTES, (CONT.):**

CHART PLANVIEW NOTE AT CIZZL, VODOU, AND MYCRO: MAX 210 KIAS

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -6C (22F) OR ABOVE 54C (130F).

CHART PLANVIEW NOTE ADJACENT TO CIZZL IAF: RF REQUIRED

CHART PLANVIEW NOTE ADJACENT TO MYCRO IAF: RF REQUIRED

CHART PLANVIEW NOTE ADJACENT TO VODOU IAF: RF REQUIRED

CHART PLANVIEW NOTE AT VODOU: (RNP 0.40)

CHART PLANVIEW NOTE AT CIZZL: (RNP 0.40)

CHART PLANVIEW NOTE AT BUXOM: (RNP 0.40)

CHART PLANVIEW NOTE AT MYCRO: (RNP 0.40)

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 10R, EXCEPT FOR ARRIVALS AT CIZZL, VODOU, AND MYCRO.

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

**CITY AND STATE**

PORTLAND, OR

**ELEVATION: 31**

**THRE: 30**

**AIRPORT NAME:**

PORTLAND INTL

**FACILITY IDENTIFIER:**

RNAV

**PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:**

RNAV (RNP) Z RWY 10L, AMDT 1

6 FEBRUARY 2014

**SUP:**

**AMDT:**

**ORIG-A**

**DATED:**

11/15/2012

## RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPDXX1FH10LZ	ABUXOM	010BUXOMK1EA0E	B	IF					18000		A	FS
SUSAP	KPDXX1FH10LZ	ABUXOM	020TRAYLK1EA0E		010TF			+	02300			A	FS
SUSAP	KPDXX1FH10LZ	ABUXOM	030TTIDEK1PC0E		010TF			+	02300			A	FS
SUSAP	KPDXX1FH10LZ	ABUXOM	040BLAZRK1PC0EE		041TF			+	02000			A	FS
SUSAP	KPDXX1FH10LZ	ACIZZL	010CIZZLK1PC0E	A	IF			+	05000	18000210		A-FS	
SUSAP	KPDXX1FH10LZ	ACIZZL	020DAYSSK1PC0E	B	010TF			+	04500			A	FS
SUSAP	KPDXX1FH10LZ	ACIZZL	030RIPPPK1PC0E		L010RF	0025102832	20440035	+	03500		CFFWG	K1PCA	FS
SUSAP	KPDXX1FH10LZ	ACIZZL	040TTIDEK1PC0E		L010RF	0025202044	10290045	+	02300		CFFWG	K1PCA	FS
SUSAP	KPDXX1FH10LZ	ACIZZL	050BLAZRK1PC0EE		041TF			+	02000			A	FS
SUSAP	KPDXX1FH10LZ	AMYCRO	010MYCROK1PC0E	A	IF				05000	18000210		A-FS	
SUSAP	KPDXX1FH10LZ	AMYCRO	020GAMBEK1PC0E	B	010TF			+	04000			A	FS
SUSAP	KPDXX1FH10LZ	AMYCRO	030TTIDEK1PC0E		R010RF	0025003281	10290059	+	02300		CFFWH	K1PCA	FS
SUSAP	KPDXX1FH10LZ	AMYCRO	040BLAZRK1PC0EE		041TF			+	02000			A	FS
SUSAP	KPDXX1FH10LZ	AVOODU	010VOODUK1PC0E	A	IF				05000	18000210		A-FS	
SUSAP	KPDXX1FH10LZ	AVOODU	020RIPPPK1PC0E	B	010TF			+	03500			A	FS

CITY AND STATE  
PORTLAND, OR

ELEVATION: 31	THRE: 30
AIRPORT NAME:	PORTLAND INTL

FACILITY  
IDENTIFIER:  
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**RNAV (RNP) Z RWY 10L, AMDT 1**  
 6 FEBRUARY 2014

SUP:	
AMDT:	ORIG-A
DATED:	11/15/2012

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

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SUSAP KPDXX1FH10LZ AVOODU 030TTIDEK1PC0E L010RF	0025202044	10290045	+	02300		CFFWG K1PCA FS
SUSAP KPDXX1FH10LZ AVOODU 040BLAZRK1PC0EE 041TF			+	02000		A FS
SUSAP KPDXX1FH10LZ H 020BLAZRK1PC1E F IF			+	02000	18000	RW10L K1PGA FS
SUSAP KPDXX1FH10LZ H 020BLAZRK1PC2W				A031		FS
SUSAP KPDXX1FH10LZ H 030RW10LK1PG0GY M 031TF				00079	-300	A FS
SUSAP KPDXX1FH10LZ H 040 0 M CA		1029	+	00800		A FS
SUSAP KPDXX1FH10LZ H 050BATYLK1PC0EY L DF			+	04400		A FS
SUSAP KPDXX1FH10LZ H 060BATYLK1PC0EE R HM		16500050	+	04400		A FS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KPDXX1GRW10L	0098251030	N45354128W	122354419+0000	-0013700030129049150I	IVDG1								

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KPDXX1SRW10LK1PG	0	18018005825	M										

CITY AND STATE <b>PORTLAND, OR</b>	ELEVATION: <b>31</b>	THRE: <b>30</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			<b>RNAV (RNP) Z RWY 10L, AMDT 1</b>	AMDT: <b>ORIG-A</b>
	<b>PORTLAND INTL</b>	<b>RNAV</b>	<b>6 FEBRUARY 2014</b>	DATED: <b>11/15/2012</b>	

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BUXOM	BUXOM	010		IF		FB					
	BUXOM	TRAYL	020		TF		FB	1.0			AA 02300	
	BUXOM	TTIDE	030		TF		FB	1.0			AA 02300	
	BUXOM	BLAZR	040		TF		FB	0.4			AA 02000	
	CIZZL	CIZZL	010	IAF	IF		FB				AA 05000	AB 210
	CIZZL	DAYSS	020		TF		FB	1.0			AA 04500	
	CIZZL	RIPPP	030		RF	L	FB	1.0		003.5	AA 03500	
	CIZZL	TTIDE	040		RF	L	FB	1.0		004.5	AA 02300	
	CIZZL	BLAZR	050		TF		FB	0.4			AA 02000	
	MYCRO	MYCRO	010	IAF	IF		FB				AT 05000	AB 210
	MYCRO	GAMBE	020		TF		FB	1.0			AA 04000	
	MYCRO	TTIDE	030		RF	R	FB	1.0		005.9	AA 02300	
	MYCRO	BLAZR	040		TF		FB	0.4			AA 02000	
	VOODU	VOODU	010	IAF	IF		FB				AT 05000	AB 210
	VOODU	RIPPP	020		TF		FB	1.0			AA 03500	
	VOODU	TTIDE	030		RF	L	FB	1.0		004.5	AA 02300	
	VOODU	BLAZR	040		TF		FB	0.4			AA 02000	
		BLAZR	020	FAF	IF		FB				AA 02000	
		RW10L	030	MAP	TF		FO	0.3			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	
	BATYL	050		DF	L	FO				AA 04400	
	BATYL	060		HM	R	FO		165.0 (181.0T)	005.0	AA 04400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BUXOM	N454151.27	W1225138.38	N4541.855	W12251.640
	TRAYL	N454003.67	W1224659.88	N4540.061	W12246.998
	BATYL	N454452.04	W1223529.61	N4544.867	W12235.494
	BLAZR	N453836.62	W1224315.24	N4538.610	W12243.254
	CFFWG	N454116.92	W1224244.01	N4541.282	W12242.734
	CFFWH	N453653.61	W1224611.49	N4536.894	W12246.192
	CIZZL	N454132.02	W1223600.67	N4541.534	W12236.011
	DAYSS	N454328.67	W1224059.23	N4543.478	W12240.987
	GAMBE	N453612.43	W1224936.95	N4536.207	W12249.616
	MYCRO	N453148.13	W1224749.43	N4531.802	W12247.824
	RIPPP	N454254.64	W1224528.05	N4542.911	W12245.468
	TTIDE	N453904.88	W1224428.13	N4539.081	W12244.469
	VOODU	N454642.84	W1224050.82	N4546.714	W12240.847
	RW10L	N453541.28	W1223544.19	N4535.688	W12235.737

CITY AND STATE <b>PORTLAND, OR</b>	ELEVATION: <b>31</b>	THRE: <b>30</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			<b>RNAV (RNP) Z RWY 10L, AMDT 1</b>	AMDT: <b>ORIG-A</b>
	<b>PORTLAND INTL</b>	<b>RNAV</b>		<b>6 FEBRUARY 2014</b>	DATED: <b>11/15/2012</b>

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RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW10L	00030	49

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