

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											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE				ALTITUDE		RNP: DA					
LIQWD (IF) SSSUN SHAFR (IF) DLILE EJAYE (SEE FORM 8260-10)		SSSUN (TF) (FB) (RNP 1.00)			151.48 / 13.06				3200		CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 4400 DIRECT BATYL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400.					
		CATMI (RF) (FB) (RNP 1.00)			2.50 NM RADIUS CW (CFBHQ)/4.23				1900							
		DLILE (TF) (FB) (RNP 0.30)			258.37 / 5.50				5200							
		EJAYE (TF) (FB) (RNP 0.30)			258.86 / 7.96				3000		ADDITIONAL FLIGHT DATA: HOLD N, RT, 165.00 INBOUND. DISTANCE TO THLD FROM 372 HAT: 1.00 NM. #TCH 85.1 MSL (DO NOT CHART) ROUTE TYPE QUALIFIER2: S ROUTE TYPE: A, H CHART MANDATORY 6000 AT LIQWD. CHART MANDATORY 6700 AT SHAFR. ROUTE TYPE QUALIFIER1: F					
		CATMI (TF) (FB) (RNP 0.30)			260.23 / 3.50				1900							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT CATMI 3. FAC: _____ * _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: CATMI 1900, DIKKE 1500 5. DIST TO THLD FROM OM: _____ 4.44 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: DIKKE 1500, YANNO 1034, HULAB 722 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.3# 34:1 IS CLEAR 8. MSA FROM: RW28R 6000											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	
AUTHORIZATION REQUIRED																
RNP 0.20 DA	403	4000	372	403	4000	372	403	4000	372	403	4000	372				
RNP 0.30 DA	455	5000	424	455	5000	424	455	5000	424	455	5000	424				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -7C (20F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.20 ALL CATS VISIBILITY TO 1 1/4 MILE, AND INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 MILE. CHART NOTE: RF REQUIRED. (SEE FORM 8260-10)																
CITY AND STATE PORTLAND, OR		ELEVATION: 31 TDZE: 31 AIRPORT NAME: PORTLAND INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 28R, AMDT 2 25 JUNE 2015						SUP:				
												AMDT: 1				
												DATED 02/06/2014				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			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.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CATMI	DIKKE (TF) (FB) (RNP 0.30)	248.33 / 1.21	1500	
DIKKE (FAF)	*YANNO (TF) (FB)	251.94 / 1.46		
YANNO	*HULAB (RF) (FB)	1.80 NM RADIUS CW (CFBHR)/0.98		
HULAB	*RW28R (MAP) (TF) (FO)	283.07 / 2.00		
RW28R (MAP)	600 MSL (CA)	283.07	600	
600 MSL	BATYL (DF) (FO)		4400	
NOTES, (CONT.): CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT SSSUN : MAX 210 KIAS. CHART PLANVIEW NOTE AT SHAFR : MAX 210 KIAS. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PLANVIEW NOTE AT LIQWD: (RNP 0.30). CHART PLANVIEW NOTE AT SHAFR: (RNP 0.30). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28L.				
CITY AND STATE	ELEVATION: 31	TDZE: 31	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
PORTLAND, OR	AIRPORT NAME:		RNAV	RNAV (RNP) Y RWY 28R, AMDT 2
	PORTLAND INTL			25 JUNE 2015
			SUP:	
			AMDT:	1
			DATED:	02/06/2014



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - 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.
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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPD	XK1	FH2	8RY	ALI	QWD	010	LIQ	WDK1	PC0E	B	IF	
									06000	18000		A	FS
SUSAP	KPD	XK1	FH2	8RY	ALI	QWD	020	SSS	UNK1	PC0E		010TF	
									03200	210		A	-FS
SUSAP	KPD	XK1	FH2	8RY	ALI	QWD	030	CAT	MIK1	PC0E	R010RF		
								0025001515	24830042			CFBHQ	K1PCA
SUSAP	KPD	XK1	FH2	8RY	ALI	QWD	040	DIK	KEK1	PC0EE		031TF	
									01500			A	FS
SUSAP	KPD	XK1	FH2	8RY	ASH	AFR	010	SHA	FRK1	PC0E	B	IF	
									06700	18000210		A	-FS
SUSAP	KPD	XK1	FH2	8RY	ASH	AFR	020	DLI	LEK1	PC0E		031TF	
									05200			A	FS
SUSAP	KPD	XK1	FH2	8RY	ASH	AFR	030	EJAY	EK1	PC0E		031TF	
									03000			A	FS
SUSAP	KPD	XK1	FH2	8RY	ASH	AFR	040	CAT	MIK1	PC0E		031TF	
									01900			A	FS
SUSAP	KPD	XK1	FH2	8RY	ASH	AFR	050	DIK	KEK1	PC0EE		031TF	
									01500			A	FS
SUSAP	KPD	XK1	FH2	8RY	H		020	DIK	KEK1	PC1E	F	IF	
									01500	18000		RW28R	K1PGA
SUSAP	KPD	XK1	FH2	8RY	H		020	DIK	KEK1	PC2W			FS
									A031A021				
SUSAP	KPD	XK1	FH2	8RY	H		021	YANN	NOK1	PC0E		031TF	
												-300	A
SUSAP	KPD	XK1	FH2	8RY	H		022	HUL	ABK1	PC0E	R031RF		
								0018002519	28310010			-300CFBHR	K1PCA
SUSAP	KPD	XK1	FH2	8RY	H		030	RW28	RK1	PG0GY	M	031TF	
									00085			-300	A
SUSAP	KPD	XK1	FH2	8RY	H		040				0	M	CA
								2831		00600			A
SUSAP	KPD	XK1	FH2	8RY	H		050	BATY	LK1	PC0EY		DF	
									04400				A
SUSAP	KPD	XK1	FH2	8RY	H		060	BATY	LK1	PC0EE	R	HM	
								16500050		04400			A

[illegible]

CITY AND STATE
PORTLAND, OR

ELEVATION: 31	TDZE: 31
AIRPORT NAME:	PORTLAND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 28R, AMDT 2
25 JUNE 2015

SUP:	
AMDT:	1
DATED:	02/06/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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SUSAP KPDXXK1GRW28R 0098252830 N45350294W122340584+0000 -0013400031053554150IIIAP1

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	5	6	7	8	9	0	1	2	3	4	5	6	7
	8	9	0	1	2	3	4	5	6	7	8	9	0
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
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	8	9	0	1	2	3	4	5	6	7	8	9	0
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
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	7	8	9	0	1	2	3	4	5	6	7	8	9
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	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
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	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6

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RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LIQWD	LIQWD	010		IF		FB				AT 06000	
	LIQWD	SSSUN	020		TF		FB	1.0			AA 03200	AB 210
	LIQWD	CATMI	030		RF	R	FB	1.0		004.2	AA 01900	
	LIQWD	DIKKE	040		TF		FB	0.3			AA 01500	
	SHAFR	SHAFR	010		IF		FB				AT 06700	AB 210
	SHAFR	DLILE	020		TF		FB	0.3			AA 05200	
	SHAFR	EJAYE	030		TF		FB	0.3			AA 03000	
	SHAFR	CATMI	040		TF		FB	0.3			AA 01900	
	SHAFR	DIKKE	050		TF		FB	0.3			AA 01500	
		DIKKE	020	FAF	IF		FB				AA 01500	
		YANNO	021		TF		FB	0.3				
		HULAB	022		RF	R	FB	0.3		001.0		
		RW28R	030	MAP	TF		FO	0.3			AT 00085	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		283.1 (299.1T)		AA 00600	
		BATYL	050		DF		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	
		BATYL			N454452.04		W1223529.61		N4544.867		W12235.494	
		CATMI			N453401.48		W1222628.52		N4534.025		W12226.475	
		CFBHQ			N453631.01		W1222649.67		N4536.517		W12226.828	
		CFBHR			N453539.04		W1223021.76		N4535.651		W12230.363	
		DIKKE			N453354.31		W1222811.24		N4533.905		W12228.187	
		DLILE			N453258.86		W1221013.37		N4532.981		W12210.223	
		EJAYE			N453338.78		W1222131.08		N4533.646		W12221.518	
		HULAB			N453404.67		W1223136.50		N4534.078		W12231.608	
		LIQWD			N454948.20		W1222722.66		N4549.803		W12227.378	
		SHAFR			N453233.99		W1220225.15		N4532.567		W12202.419	
		SSSUN			N453703.52		W1222320.64		N4537.059		W12223.344	
		YANNO			N453351.13		W1223016.16		N4533.852		W12230.269	
		RW28R			N453502.94		W1223405.84		N4535.049		W12234.097	
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW28R	00031			54						
CITY AND STATE	ELEVATION: 31		TDZE: 31		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:		
PORTLAND, OR	AIRPORT NAME:		PORTLAND INTL		RNAV		RNAV (RNP) Y RWY 28R, AMDT 2			AMDT: 1		
							25 JUNE 2015			DATED: 02/06/2014		

QUALITY
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CHECKED