

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										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		RNP: DA						
LIQWD (IF)		SSSUN (TF) (FB) (RNP 1.00)		151.48 / 13.06			3200		CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 4000 DIRECT UBG VOR/DME AND HOLD.						
SSSUN		CATMI (RF) (FB) (RNP 1.00)		(2.50 NM RADIUS CW (CFBHQ))/4.23			1900								
SHAFR (IF)		DLILE (TF) (FB) (RNP 0.30)		258.37 / 5.50			5200								
DLILE		EJAYE (TF) (FB) (RNP 0.30)		258.86 / 7.96			3000								
EJAYE		CATMI (TF) (FB) (RNP 0.30)		260.23 / 3.50			1900		ADDITIONAL FLIGHT DATA: HOLD S, LT, 003.00 INBOUND. DISTANCE TO THLD FROM 347 HAT: 0.92 NM. CHART MANDATORY 6700 AT SHAFR. ROUTE TYPE: A, H CHART MANDATORY 6000 AT LIQWD. ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S #TCH 77.5 MSL (DO NOT CHART)						
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 16E EPOCH YEAR: 2010					
2. PROFILE STARTS AT CATMI															
3. FAC: _____ * FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: CATMI 1900, EVIDE 1500															
5. DIST TO THLD FROM OM: _____ 4.46 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 1500 GS ALT AT: EVIDE 1500, MUBAE 1082, PULOE 743 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
AUTHORIZATION REQUIRED															
RNP 0.23 DA	370	3300	347	370	3300	347	370	3300	347	370	3300	347			
RNP 0.30 DA	476	5300	453	476	5300	453	476	5300	453	476	5300	453			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -7C (20F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.23 ALL CATS VISIBILITY TO RVR 5600 AND INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILE. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28R. (SEE FORM 8260-10)															
CITY AND STATE PORTLAND, OR		ELEVATION: 31 TDZE: 23 AIRPORT NAME: PORTLAND INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 28L, AMDT 2 25 JUNE 2015						SUP: AMDT: 1 DATED 02/06/2014			

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RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CATMI	EVIDE (TF) (FB) (RNP 0.30)	248.33 / 1.87	1500	
EVIDE (FAF)	*MUBAE (TF) (FB)	245.04 / 1.31		
MUBAE	*PULOE (RF) (FB)	(1.60 NM RADIUS CW (CFBJH))/1.06		
PULOE	*RW28L (MAP) (TF) (FO)	283.06 / 2.09		
RW28L (MAP)	2100 MSL (CA)	283.06	2100	
2100 MSL	UBG VOR/DME (DF) (FO)		4000	
NOTES, (CONT.): CHART NOTE: RF REQUIRED. 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.				
QUALITY 6 CHECKED				
CITY AND STATE PORTLAND, OR	ELEVATION: 31 AIRPORT NAME: PORTLAND INTL	TDZE: 23	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 28L, AMDT 2 25 JUNE 2015
				SUP:
				AMDT: 1
				DATED: 02/06/2014

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QUALITY
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CITY AND STATE PORTLAND, OR	ELEVATION: 31 TDZE: 23	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: 12
	AIRPORT NAME: PORTLAND INTL		RNAV (RNP) Y RWY 28L, AMDT 2	AMDT: 1
			25 JUNE 2015	DATED: 02/06/2014

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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	EVIDE	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	EVIDE	050		TF		FB	0.3			AA 01500	
		EVIDE	020	FAF	IF		FB				AA 01500	
		MUBAE	021		TF		FB	0.3				
		PULOE	022		RF	R	FB	0.3		001.1		
		RW28L	030	MAP	TF		FO	0.3			AT 00078	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		283.1 (299.1T)		AA 02100	
		UBG	050		DF		FO				AA 04000	
		UBG	060		HM	L	FO		003.0 (019.0T)	004.0	AA 04000	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		UBG		N452111.62		W1225841.37		N4521.194		W12258.690		
		CATMI		N453401.48		W1222628.52		N4534.025		W12226.475		
		CFBHQ		N453631.01		W1222649.67		N4536.517		W12226.828		
		CFBJH		N453512.89		W1223119.58		N4535.215		W12231.326		
		DLILE		N453258.86		W1221013.37		N4532.981		W12210.223		
		EJAYE		N453338.78		W1222131.08		N4533.646		W12221.518		
		EVIDE		N453350.38		W1222907.39		N4533.840		W12229.123		
		LIQWD		N454948.20		W1222722.66		N4549.803		W12227.378		
		MUBAE		N453338.08		W1223058.23		N4533.635		W12230.971		
		PULOE		N453348.99		W1223225.98		N4533.817		W12232.433		
		SHAFR		N453233.99		W1220225.15		N4532.567		W12202.419		
		SSSUN		N453703.52		W1222320.64		N4537.059		W12223.344		
		RW28L		N453449.85		W1223502.05		N4534.831		W12235.034		
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW28L	00023			55						

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				25 JUNE 2015	DATED: 02/06/2014