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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EJAYE (IF)	CATMI (TF) (FB) (RNP 1.00)	260.24 / 4.05	1900
LIQWD (IF)	SSSUN (TF) (FB) (RNP 1.00)	151.48 / 6.00	3200
SSSUN	CATMI (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFBHQ))/4.23	1900
CATMI	EVIDE (TF) (FB) (RNP 1.00)	248.34 / 1.87	1500
* EVIDE (FAF)	MUBAE (TF) (FB)	245.39 / 1.35	
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 4000 DIRECT UBG VOR/DME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CATMI
3. FAC: * FAF: * SEE TERMINAL ROUTES FROM EVIDE DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: CATMI 1900, EVIDE 1500
5. DIST TO THLD FROM OM: 4.47 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: EVIDE 1500, MUBAE 1070, PULOE 743 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.8# 34:1 IS CLEAR
8. MSA FROM: RW28L 5800

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 003.00 INBOUND.
DISTANCE TO THLD FROM 351 HATH: 0.93 NM.
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER1: F
ROUTE TYPE QUALIFIER2: S
#TCH 77.5 MSL (DO NOT CHART)
CHART LOC RWY 28R
CHART MANDATORY 5000 AT LIQWD.
CHART MANDATORY 3000 AT EJAYE.

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 0.27 DA	374	3500	351	374	3500	351	374	3500	351	374	3500	351			
RNP 0.30 DA	494	6000	471	494	6000	471	494	6000	471	494	6000	471			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.27 ALL CATS VISIBILITY TO RVR 6000 AND INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 MILE.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28R.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 THRE: 23 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PORTLAND, OR	PORTLAND INTL	RNAV	RNAV (RNP) Y RWY 28L, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**CONCURRENT**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZSE, PDX ATCT, AMGR, ST AERO**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
CATHERINE L. CHILDRESS	**AJV-354**	**05/24/2012**

APPROVED BY

NAME:		FIFO	DATE:
DEZ SILAGYI	**MANAGER**	**AJV-354**	

CHANGES:

ORIGINAL PROCEDURE

REASONS:

FPT REQUEST

EFFECTIVE CONCURRENT WITH: KPDX ILS OR LOC RWY 28L, AMDT 3

07/13/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/24/2012.
1. CHART MINIMUM 3000 AT EJAYE CHANGED TO CHART MANDATORY 3000 AT EJAYE.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
* MUBAE	PULOE (RF) (FB)	(1.56 NM RADIUS CW (CFBJH))/1.03	
* 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 LIQWD : MAX 210 KIAS.
CHART PLANVIEW NOTE AT EJAYE : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
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 4 CHECKED

CITY AND STATE	ELEVATION: 31 THRE: 23 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PORTLAND, OR	PORTLAND INTL	RNAV	RNAV (RNP) Y RWY 28L, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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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ARINC PACKET - 424-18 - RNAV (RNP)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        UBG   K1011740VDHA N45211162W122584137    N45211162W122584137E0210014402     NARNEWBERG

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CATMI K10    W     N45340147W122262849                    E0160     NAR           CATMI
        SUSAEAENRT   CFBHQ K10    W     N45363095W122264958                    E0160     NAR           CNF(CFBHQ)
        SUSAEAENRT   CFBJH K10    W     N45351086W122312119                    E0160     NAR           CNF(CFBJH)
        SUSAEAENRT   EJAYE K10    W     N45333516W122204431                    E0160     NAR           EJAYE
        SUSAEAENRT   EVIDE K10    W     N45335040W122290718                    E0160     NAR           EVIDE
        SUSAEAENRT   LIQWD K10    W     N45425468W122251177                    E0160     NAR           LIQWD
        SUSAEAENRT   MUBAE K10    W     N45333826W122310116                    E0160     NAR           MUBAE
        SUSAEAENRT   PULOE K10    W     N45334899W122322598                    E0160     NAR           PULOE
        SUSAEAENRT   SSSUN K10    W     N45370352W122232064                    E0160     NAR           SSSUN

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPDXK1APDX     0     110YHN45351935W122354873E016000031         1800018000C    MNAR    PORTLAND INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPDXK1FH28LY AEJAYE 010EJAYEK1EA0E  B    IF                                  03000     18000210              A-FS
        SUSAP KPDXK1FH28LY AEJAYE 020CATMIK1EA0E    010TF                               + 01900                           A FS
        SUSAP KPDXK1FH28LY AEJAYE 030EVIDEK1EA0EE   010TF                               + 01500                           A FS
        SUSAP KPDXK1FH28LY ALIQWD 010LIQWDK1EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KPDXK1FH28LY ALIQWD 020SSSUNK1EA0E    010TF                               + 03200                           A FS
        SUSAP KPDXK1FH28LY ALIQWD 030CATMIK1EA0E   R010RF       0025001515    24830042    + 01900                CFBHQ K1EAA FS
        SUSAP KPDXK1FH28LY ALIQWD 040EVIDEK1EA0EE   010TF                               + 01500                           A FS
        SUSAP KPDXK1FH28LY H      020EVIDEK1EA1E  F    IF                               + 01500     18000       RW28L K1PGA FS
        SUSAP KPDXK1FH28LY H      020EVIDEK1EA2W                                            A031A272                        FS
        SUSAP KPDXK1FH28LY H      021MUBAEK1EA0E    031TF                                                 -300          A FS
        SUSAP KPDXK1FH28LY H      022PULOEK1EA0E   R031RF       0015602454    28310010                   -300CFBJH K1EAA FS
        SUSAP KPDXK1FH28LY H      030RW28LK1PG0GY M 031TF                               00078              -300          A FS
        SUSAP KPDXK1FH28LY H      040         0  M     CA                    2831      + 02100                           A FS
        SUSAP KPDXK1FH28LY H      050UBG  K1D 0VY       DF                            + 04000                           A FS
        SUSAP KPDXK1FH28LY H      060UBG  K1D 0VE  L    HM                    00300040  + 04000                           A FS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PORTLAND, OR	AIRPORT NAME: **PORTLAND INTL**	**RNAV**	**RNAV (RNP) Y RWY 28L, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPDXK1GRW28L   0110002830 N45344985W122350205+0000    -0015800023000055150IIJMJ1
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPDXK1SRW28LK1PG                0   18018005825                                                                  M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 31 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PORTLAND, OR	AIRPORT NAME: PORTLAND INTL	RNAV	RNAV (RNP) Y RWY 28L, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EJAYE	EJAYE	010		IF		FB				AT 03000	AB 210
	EJAYE	CATMI	020		TF		FB	1.0			AA 01900	
	EJAYE	EVIDE	030		TF		FB	1.0			AA 01500	
	LIQWD	LIQWD	010		IF		FB				AT 05000	AB 210
	LIQWD	SSSUN	020		TF		FB	1.0			AA 03200	
	LIQWD	CATMI	030		RF	R	FB	1.0		004.2	AA 01900	
	LIQWD	EVIDE	040		TF		FB	1.0			AA 01500	
		EVIDE	020	FAF	IF		FB				AA 01500	
		MUBAE	021		TF		FB	0.3				
		PULOE	022		RF	R	FB	0.3		001.0		
		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	N453401.47	W1222628.49	N4534.025	W12226.475
	CFBHQ	N453630.95	W1222649.58	N4536.516	W12226.826
	CFBJH	N453510.86	W1223121.19	N4535.181	W12231.353
	EJAYE	N453335.16	W1222044.31	N4533.586	W12220.739
	EVIDE	N453350.40	W1222907.18	N4533.840	W12229.120
	LIQWD	N454254.68	W1222511.77	N4542.911	W12225.196
	MUBAE	N453338.26	W1223101.16	N4533.638	W12231.019
	PULOE	N453348.99	W1223225.98	N4533.817	W12232.433
	SSSUN	N453703.52	W1222320.64	N4537.059	W12223.344
	RW28L	N453449.85	W1223502.05	N4534.831	W12235.034

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28L	00023	55

CITY AND STATE	ELEVATION: 31 THRE: 23 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PORTLAND, OR	**PORTLAND INTL**	**RNAV**	**RNAV (RNP) Y RWY 28L, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	EJAYE	CATMI	1. TREE	453200.00N/1222036.00W	997 (3F)	500	AC128 AT275	1900
(RNP 1.00)			2. TERRAIN	453200.00N/1222036.00W	922 (900)		AS0	900
INTERMEDIATE	LIQWD	SSSUN	3. AAO	454415.00N/1222242.00W	2235 (3F)	500	AC128 PR90 AT247	3200
(RNP 1.00)			4. TERRAIN	454415.00N/1222242.00W	2035 (2000)		AS1000	3000
INTERMEDIATE STEPDOWN	SSSUN	CATMI	5. AAO	453815.00N/1222054.00W	1076 (3F)	500	AC128	1800
(RNP 1.00)			6. TERRAIN	453812.00N/1222054.00W	869 (900)		AS1000	1900
INTERMEDIATE STEPDOWN	CATMI	EVIDE	7. TANK (53-021126)	453530.00N/1222619.57W	868 (1A)	500	AC3 AT114 VEB15	1500
(RNP 1.00)			8. TERRAIN	453521.00N/1222612.00W	840 (800)		AS0	800
FINAL (RNP 0.27)	EVIDE	MUBAE				ASC		
FINAL (RNP 0.30)	EVIDE	MUBAE				ASC		
FINAL STEPDOWN	MUBAE	PULOE				ASC		
(RNP 0.27)								
FINAL STEPDOWN	MUBAE	PULOE				ASC		
(RNP 0.30)								
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA	UBG VOR/DME	10. BLDG (41-000966)	453354.80N/1223432.20W	163 (5D)	ASC	AC50	4000
			11. TOWER (41-000041)	453057.00N/1224403.00W	2049 (4E)	1000	AC125	3200
ELEV:	213/333		12. TERRAIN	452112.00N/1225893.00W	1605 (1600)		AS1500	3100

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW28L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	035/ 28.8	4760 (6C)	5800					4

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PORTLAND, OR	ELEVATION: 31 AIRPORT NAME: PORTLAND INTL	RNAV	RNAV (RNP) Y RWY 28L, ORIG	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
PDX APP CON ZSE ARTCC PDX TOWER	[ ] NWS OTHER: ASOS [ ] FAA [ ] A/C	SOURCE: KPDX DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON: [X] VHF [X] UHF [ ] HF	LOCATION: KPDX	ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		
	X	ALSF-2 10R
		(S) SALS
	X	MALSR 10L, 28R, 28L
	X	HIRL 10L, 10R, 28R, 28L
	X	MIRL 21, 03
	X	REIL 21, 03
	X	TDZ 10R
	X	C/L 10L, 10R, 28R, 28L
	X	OTHER (SPECIFY) PAPI-4R 21, 10R, 28R PAPI-4L 10L, 03, 28L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 10L, 10R, 28R, 28L
	INSTRUMENT	NPI-G 21, 03
7. RUNWAY VISUAL RANGE	APPROACH	10L, 10R, 28R, 28L
	MIDFIELD	10L, 10R, 28R, 28L
	ROLL OUT	10L, 10R, 28R, 28L

8. GLIDE PATH		
	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 22.7
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 54.8

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: CATHERINE L. CHILDRESS	DATE: 05/24/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/72.3

SEE ATTACHED AIRSPACE LETTER.

MISSED APPROACH IAW 8260.54A, IPDS BUILD 25 DEGREES BANK ANGLE USED IN MISSED APPROACH TO ALLOW FOR MINIMUM SEGMENT LENGTH.

ACT: -15
"AVERAGE COLD TEMPERATURE BASED ON STANDARD -30 ISA DEVIATION".

BARO-VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).

HIGH TEMPERATURE LIMIT VALUE DERIVED FROM AFS-400 CALCULATOR.

VEB DATA: SEE ATTACHED SPREADSHEETS.

BACKUP ALTIMETER NOT PUBLISHED, REDUNDANT REPORTING ON AIRPORT.

VEGETATION: 75 FT PER FPT.

VKTW: OBTAINED FROM HISTORICAL WIND DATA (MITRE).

RF SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA
SSSUN-CATMI	3200	210	226.0	3169.2	47.4	2.50	23.50
MUBAE-PULOE	1070	165	172	1039.2	28.0	1.56	20.46

QUALITY CHECKED 4

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL STEPDOWN	PULOE	RW28L	9. POLE (KPDXT0098)	453448.68N/1223400.97W	67 (1B)	21.69:1	AC10 MA48	374/351
(RNP 0.27)								
FINAL STEPDOWN	PULOE	RW28L	10. BLDG (41-000966)	453354.80N/1223432.20W	163 (5D)	21.69:1	AC50	494/471
(RNP 0.30)								

3. MISSED APPROACH								
	MAP:							
	ELEV:							

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.		
			REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350		
CATEGORY B	1.5 NM	450		
CATEGORY C	1.7 NM	450		
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PORTLAND, OR	ELEVATION: 31 AIRPORT NAME: PORTLAND INTL	RNAV	RNAV (RNP) Y RWY 28L, ORIG	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		
	☐	**ALS**
	☐	**(S) SALS**
	☐	**MALS**
	☐	**HIRL**
	☐	**MIRL**
	☐	**REIL**
	☐	**TDZ**
	☐	**C/LINE**
	☐	**OTHER (SPECIFY)**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: CATMI **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 453401.47N/1222628.49W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28R			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED REQUIRED CHARTING: IAP.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBHQ **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 453630.95N/1222649.58W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28R			KPDX	PORTLAND	OR (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBJH **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 453510.86N/1223121.19W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: EJAYE **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 453335.16N/1222044.31W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28R			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/21/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EVIDE **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 453350.40N/1222907.18W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: LIQWD **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 454254.68N/1222511.77W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28R			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

ORIGINAL CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUBAE **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 453338.26N/1223101.16W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NEWBERG VOR/DME **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 452111.62N/1225841.37W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NEWBERG	UBG	VOR/DME	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	UBG	VOR/DME	183.00	003.00	R	1-1 1/2		3000	17500	4	16
2	W	UBG	VOR/DME	288.00	108.00	R	1-1 1/2		3000	17500	4	16
3	S	UBG	VOR/DME	183.00	003.00	L	1-1 1/2		3800	17500	4	16
4	S		WP	183.00	003.00	L		4	3000	17500	5	17
5	W	UBG	VOR/DME	288.00	108.00	R	1-1 1/2		3900	17500	4	16
6	W		WP	288.00	108.00	R		4	3000	17500	5	17
7	S		WP	183.00	003.00	L		4	4400	17500	6	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	452348.00N/1230324.00W	1834	4E
1	200	AAO	452112.00N/1225839.00W	1805	4E
1	265	AAO	452348.00N/1230324.00W	1834	4E
2	200	AAO	452348.00N/1230324.00W	1834	4E
3	200	AAO	452348.00N/1230324.00W	1834	4E
3	310	AAO	451651.50N/1232637.90W	1834	4E
4	200	AAO	452348.00N/1230324.00W	1834	4E
5	200	AAO	452348.00N/1230324.00W	1834	4E
5	310	AAO	453103.00N/1232254.00W	2868	4E
6	200	AAO	452348.00N/1230324.00W	1834	4E
7	310	AAO	451651.50N/1232637.90W	3320	4E

REASON FOR NONSTANDARD HOLDING:
PAT 3 ATC OPERATIONS
PAT 4 TERRAIN AVOIDANCE
PAT 7 ATC OPERATIONS

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	T/O MINS AND DP	KMMV	MC MINNVILLE	OR (US)
3	T/O MINS AND DP	KUAO	AURORA	OR (US)
5	T/O MINS AND DP	KHIO	PORTLAND	OR (US)
7	NEWBERG RNAV	KUAO	AURORA	OR (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 7 FOR NEWBERG DP CIH PATTERN (P21).
PATTERN 3 CIH PATTERN (P20).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NEWBERG RNAV		7	KUAO	AURORA	OR (US)
DP	T/O MINS AND DP		3	KUAO	AURORA	OR (US)
DP	EUGENE			KEUG	EUGENE	OR (US)
DP	T/O MINS AND DP		3	KMMV	MC MINNVILLE	OR (US)
DP	CANBY			KHIO	PORTLAND	OR (US)
DP	FARMINGTON			KHIO	PORTLAND	OR (US)
DP	SCAPO			KHIO	PORTLAND	OR (US)
DP	T/O MINS AND DP		5	KHIO	PORTLAND	OR (US)
DP	HRMNS (RNAV)			KPDX	PORTLAND	OR (US)
DP	LAVAA (RNAV)			KPDX	PORTLAND	OR (US)
DP	MINNE (RNAV)			KPDX	PORTLAND	OR (US)
DP	PORTLAND			KPDX	PORTLAND	OR (US)
DP	RIVER			KPDX	PORTLAND	OR (US)
DP	WHAMY (RNAV)			KPDX	PORTLAND	OR (US)
DP	BLUE LAKE			KTTD	PORTLAND	OR (US)
DP	REDMOND			KRDM	REDMOND	OR (US)
DP	SALEM			KSLE	SALEM	OR (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
EN ROUTE	J126					(US)

EN ROUTE	V165				(US)
EN ROUTE	V182				(US)
EN ROUTE	V287	3			(US)
EN ROUTE	V495				(US)
EN ROUTE	V500				(US)
EN ROUTE	V165				OR (US)
IAP	LOC RWY 17		KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 17		KUAO	AURORA	OR (US)
IAP	RNAV (GPS) RWY 35		KUAO	AURORA	OR (US)
IAP	RNAV (GPS)-B	6	KUAO	AURORA	OR (US)
IAP	VOR/DME-A	2	KUAO	AURORA	OR (US)
IAP	ILS OR LOC RWY 22		KMMV	MC MINNVILLE	OR (US)
IAP	RNAV (GPS) RWY 22		KMMV	MC MINNVILLE	OR (US)
IAP	RNAV (GPS) RWY 4		KMMV	MC MINNVILLE	OR (US)
IAP	VOR/DME-B		KMMV	MC MINNVILLE	OR (US)
IAP	ILS OR LOC RWY 13	1	KHIO	PORTLAND	OR (US)
IAP	NDB-B	1	KHIO	PORTLAND	OR (US)
IAP	RNAV (GPS) RWY 13	4	KHIO	PORTLAND	OR (US)
IAP	VOR/DME-C	1	KHIO	PORTLAND	OR (US)
IAP	HI ILS OR LOC/DME RWY 28R		KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 10R (ALT MISS)	1	KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 28L	3	KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (CAT II/III)		KPDX	PORTLAND	OR (US)
IAP	ILS RWY 10R (SA CAT I)		KPDX	PORTLAND	OR (US)
IAP	RNAV (GPS) X RWY 28L	4	KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28L	4	KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Z RWY 28L	4	KPDX	PORTLAND	OR (US)
IAP	VOR RWY 28R	3	KPDX	PORTLAND	OR (US)
IAP	ILS OR LOC RWY 31		KSLE	SALEM	OR (US)
IAP	LOC BC RWY 13		KSLE	SALEM	OR (US)
IAP	LOC/DME RWY 31		KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31		KSLE	SALEM	OR (US)
STAR	MOXEE		KPDX	PORTLAND	OR (US)
STAR	OLYMPIA		KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED 265K OBSTACLE TO PAT 1
UPDATED FIX USE

DEVELOPED BY: **DATE:** 04/29/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PULOE **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 453348.99N/1223225.98W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SSSUN **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 453703.52N/1222320.64W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 28L			KPDX	PORTLAND	OR (US)
IAP	RNAV (RNP) Y RWY 28R			KPDX	PORTLAND	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 05/15/2012 **OFFICE:** AJV-354 **NAME:** CATHERINE CHILDRESS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: PDX APP CON
OTHER:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PORTLAND** STATE: **OR**

AIRPORT NAME: **PORTLAND INTL** ID: **KPDX**

PROCEDURE: **RNAV (RNP) Y RWY 28L** AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **FAF** to 1000' point **5.92**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **4.00**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point **276.24**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **922**
5. Distance from **FAF** to 1500' point **5.92**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **276.24**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **922**
9. Threshold Coordinates (if straight-in) ... **453449.85N** / **1223502.05W**
10. ARP Coordinates ..... **453519.35N** / **1223548.73W**
11. Runway Approach End and distance furthest from ARP.....RWY **28R**
    Distance **1.32** NM
12. FAF Coordinates ..... **453350.40N** / **1222907.18W**
    (Click to Select)

REMARKS: Approach/Drawing attached. 1000' AND 1500' POINT LOCATED AT FIX EJAYE 453335.16N/1222044.31W. SEGMENT CONTAINED IN EXISTING SURFACE AIRSPACE.

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PORTLAND** STATE: **OR**

AIRPORT NAME: **PORTLAND INTL** ID: **KPDX**

PROCEDURE: **RNAV (RNP) Y RWY 28L** AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **FAF** to 1000' point **1.87**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **4.00**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point **264.34**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **840**
5. Distance from **FAF** to 1500' point **12.10**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **167.48**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **2035**
9. Threshold Coordinates (if straight-in) ... **453449.85N / 1223502.05W**
10. ARP Coordinates ..... **453519.35N / 1223548.73W**
11. Runway Approach End and distance furthest from ARP.....RWY **28R**
    Distance **1.32** NM
12. FAF Coordinates ..... **453350.40N / 1222907.18W**
    (Click to Select)

REMARKS: Approach/Drawing attached. 1000' POINT LOCATED AT CATMI 453401.47N/1222628.49W, SEGMENT CONTAINED IN EXSITING SURFACE AIRSPACE. 1500' POINT LOCATED AT LIQWD 454254.68N/1222511.77W.