

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								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		MAP: I-GPO 1.15 DME FIX						
BTG VORTAC		CREAK INT/I-GPO 18.70 DME		054.25 / 12.46				5700		CLIMBING RIGHT TURN TO 4200 ON BTG VORTAC R-160 TO BTG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4200. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.83 INBOUND. CHART FAS OBST: 447 TREE 453657N/1223424W CHART VDP AT 2.83 DME; DISTANCE VDP TO THLD 1.68 MILES. HUDUT TO RW21: 3.43/32. CHART: MAXIMUM 10000 AT CREAK.						
CREAK INT/I-GPO 18.70 DME (IF/IAF)		NULRE/I-GPO 17.30 DME		209.02 / 1.40 (I-GPO)				5300								
NULRE/I-GPO 17.30 DME		YIPYU/I-GPO 14.30 DME		209.02 / 3.00 (I-GPO)				4400								
YIPYU/I-GPO 14.30 DME		COVDU/I-GPO 11.30 DME		209.02 / 3.00 (I-GPO)				3500								
COVDU/I-GPO 11.30 DME		HUDUT/I-GPO 7.30 DME		209.02 / 4.00 (I-GPO)				2300								
1. PT <u>L</u> SIDE OF COURSE <u>029.02</u> OUTBOUND <u>5700</u> FT WITHIN <u>10</u> MILES OF <u>CREAK</u> (IAF) 2. _____ 3. FAC <u>209.02</u> FAF <u>HUDUT/I-GPO 7.30 DME</u> DIST FAF TO MAP _____ THLD <u>6.15</u> 4. MIN. ALT <u>CREAK 5700, NULRE 5300, YIPYU 4400, COVDU 3500, HUDUT 2300, JAXAG/I-GPO 4.10 DME 1120</u> 8. MSA FROM: <u>BTG VORTAC 120-300 3500, 300-120 6200</u>																
MINIMUMS										MAG VAR: 16E EPOCH YEAR: 2010						
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY ==>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-21	700	1	674	700	1	674	700	1 7/8	674	700	1 7/8	674				
CIRCLING	720	1	689	740	1	709	760	2	729	1000	3	969				
NOTES: CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT. @ CAT D 1000-3 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																
CITY AND STATE PORTLAND, OR		ELEVATION: 31 THRE: 26 AIRPORT NAME: PORTLAND INTL		FACILITY IDENTIFIER: I-GPO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC/DME RWY 21, AMDT 8B 2 MAY 2013						SUP AMDT 8A DATE 01/10/2013				

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPDXX1FL21	ABTG	010BTG	K1D 0V	IF						18000		0	DS
SUSAP KPDXX1FL21	ABTG	020CREAKK1EA0E	TF					B	1000005700			0	DS
SUSAP KPDXX1FL21	ABTG	030CREAKK1EA0E	AR	PI	IGPOK1	0290018734400100PI		+	05700			0	DS
SUSAP KPDXX1FL21	ABTG	040NULREK1EA0E	CF	IGPOK1	0290017320900014PI			+	05300			0	DS
SUSAP KPDXX1FL21	ABTG	050YIPYUK1EA0E	TF					+	04400			0	DS
SUSAP KPDXX1FL21	ABTG	060COVDUK1EA0EE	CF	IGPOK1	0290011320900030PI			+	03500			0	DS
SUSAP KPDXX1FL21	L	010COVDUK1EA0E	I	IF	IGPOK1	02900113		PI		18000		0	DS
SUSAP KPDXX1FL21	L	020HUDUTK1EA0E	F	CF	IGPOK1	0290007320900040PI		+	02300		BTG	K1D	0 DS
SUSAP KPDXX1FL21	L	021JAXAGK1EA0E	S	CF	IGPOK1	0290004120900032PI		+	01120		-343		0 DS
SUSAP KPDXX1FL21	L	030RW21 K1PGOGY M	CF	IGPOK1	0290001220900030PI				00058		-343		0 DS
SUSAP KPDXX1FL21	L	040	0 M	CA		2090		+	00431				0 DS
SUSAP KPDXX1FL21	L	050BTG	K1D 0VY	R	CFYBTG K1	0000000034000110D		+	04200				0 DS
SUSAP KPDXX1FL21	L	060BTG	K1D 0VE	R	HM	1638T010		+	04200				0 DS

[illegible]

SUP:	
AMDT:	8A
DATED:	01/10/2013

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SUSAP KPDXXK1SBTG	K1D	0	1203000622530012003525	M
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
BTG		BTG	010		IF		FB					
BTG		CREAK	020		TF		FB				BT 1000005700	
BTG		CREAK	030	IAF	PI	R	FB		344.0()	010.0	AA 05700	
BTG		NULRE	040		CF		FB		209.0()	001.4	AA 05300	
BTG		YIPYU	050		TF		FB				AA 04400	
BTG		COVDU	060		CF		FB		209.0()	003.0	AA 03500	
		COVDU	010	FACF	IF		FB				AA 03500	
		HUDUT	020	FAF	CF		FB		209.0()	004.0	AA 02300	
		JAXAG	021	SDF	CF		FB		209.0()	003.2	AA 01120	
		RW21	030	MAP	CF		FO		209.0()	003.0	AT 00058	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		209.0()		AA 00431	
	BTG	050		CF	R	FO		340.0()	011.0	AA 04200	
	BTG	060		HM	R	FO		163.8()	011.0	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
	IGPO (DME)	N453447.97	W1223707.94	N4534.800	W12237.132
	COVDU	N454248.32	W1222546.04	N4542.805	W12225.767
	CREAK	N454801.10	W1221816.07	N4548.018	W12218.268
	HUDUT	N453959.04	W1222948.69	N4539.984	W12229.812
	JAXAG	N453743.52	W1223302.52	N4537.725	W12233.042
	NULRE	N454701.97	W1221941.30	N4547.033	W12219.688
	YIPYU	N454455.19	W1222243.79	N4544.920	W12222.730
	RW21	N453538.61	W1223600.85	N4535.644	W12236.014
	IGPO (LOC)	N453449.75	W1223710.47	N4534.829	W12237.175

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	00026	32

CITY AND STATE
PORTLAND, OR

ELEVATION: 31 THRE: 26
AIRPORT NAME:
PORTLAND INTL

FACILITY
IDENTIFIER:
I-GPO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC/DME RWY 21, AMDT 8B
2 MAY 2013

SUP:
AMDT: 8A
DATED: 01/10/2013