

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		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		ILS: DA LOC: 6.04 NM AFTER ADDUM/I-JMJ 5.84 DME/RADAR OR AT I-JMJ 0.20 DME CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 4000 ON UBG R-360 TO UBG VOR/DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 4000 ON BTG R-194 TO ENDZZ/BTG 23.00 DME AND HOLD (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD S, LT, 003.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N ENDZZ/BTG 23.00 DME, RT, 193.68 INBOUND. CHART FAS OBST: 323 TANK 453242N/1223129W 419 AAO 453220N/1223016W CHART VDP AT 1.01 DME* DISTANCE VDP TO THLD 1.20 NM. *LOC ONLY. CHART IN PLANVIEW: ENDZZ/BTG 23.00 DME. CHART MANDATORY 6700 AT SHAFR. CHART CIRCLING ICON.							
MAVER		WALAP (TF) (FB) (RNP 2.00)		036.84 / 11.79		4000									
WALAP (IAF)		HPSTR (TF) (FB) (RNP 1.00)		357.15 / 14.69		3700									
SHAFR (IAF)		REEDI (TF) (FB) (RNP 1.00)		218.72 / 7.29		5700									
REEDI (IAF)		HPSTR (TF) (FB) (RNP 1.00)		253.59 / 5.28		3700									
HPSTR/I-JMJ 13.20 DME/RADAR (IF)		HANAH/I-JMJ 8.84 DME/RADAR		283.03 / 4.36 (I-JMJ R-283)		2900									
HANAH/I-JMJ 8.84 DME/RADAR		ADDUM/I-JMJ 5.84 DME/RADAR		283.03 / 3.00 (I-JMJ R-283)		2000									
THIS IS A CORRECTED COPY TO A PROCEDURE PUBLISHED ORIGINALLY IN TL 18-01 AND AS A CORRECTION IN TL 18-03.															
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 16E EPOCH YEAR: 2010					
2. PROFILE STARTS AT HPSTR/I-JMJ 13.20 DME/RADAR															
3. FAC: 283.03 FAF: ADDUM/I-JMJ 5.84 DME/RADAR DIST FAF TO MAP: 6.04 THLD: 6.04															
4. MIN. ALT: HPSTR 3700, HANAH 2900, ADDUM 2000, YINUP/I-JMJ 3.60 DME/RADAR 1280*															
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1049															
6. MIN GS INCPT: 2000 GS ALT AT: ADDUM 2000 OM: - MM: - IM: -															
7. GS ANGLE: 3.00 TCH: 54.8															
8. MSA FROM: BTG VORTAC 120-300 3400, 300-120 6000															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		ILS: #		LOC: 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
S-ILS 28L	306	2400	283	306	2400	283	306	2400	283	306	2400	283	306	2400	283
S-LOC 28L	480	2400	457	480	2400	457	480	4500	457	480	4500	457	480	4500	457
CIRCLING	720	1	689	760	1	729	1060	3	1029	1060	3	1029	1140	3	1109
NOTES: CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 580. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE ADJACENT TO MAVER: RNAV 1-GPS REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE PORTLAND, OR		ELEVATION: 31 TDZE: 23 AIRPORT NAME: PORTLAND INTL		FACILITY IDENTIFIER: I-JMJ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28L, AMDT 5 1 FEBRUARY 2018						SUP: AMDT: 4 DATED 06/25/2015			



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CHART PLANVIEW NOTE ADJACENT TO SHAFR: RNAV 1-GPS REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 28L CAT E VISIBILITY TO RVR 4500 AND INCREASE S-LOC 28L CAT E VISIBILITY TO 1 3/8 SM.
CHART SPEED ICON IN PLANVIEW AT SHAFR: MAX 210 KIAS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAVER ON V448 SOUTHBOUND AND ON V165 EASTBOUND.



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