

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KPLD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> PORTLAND	<u>STATE</u> IN		
<u>AIRPORT ELEVATION</u> 925	<u>TDZE</u> 925	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 08/12/2021	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> 02/23/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
NADIR	IAF	MAPOL	NOPT	TF	FB	1.00	225.57	12.19	3000
HIGLA	IAF	MAPOL	NOPT	TF	FB	1.00	335.46	5.00	3000
MAPOL	IF/IAF	DANCR		TF	FB	1.00	271.76	6.05	2500
DANCR	FAF	WEPRI/2.37 NM TO RW27		TF	FB	0.30	271.68	2.45	
WEPRI/2.37 NM TO RW27		RW27	MAP	TF	FO	0.30	272.68	2.37	
RW27	MAP	1300 MSL		CA			271.68		
1300 MSL		DIYEC		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LP: RW27

LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT DIYEC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E MAPOL, RT, 271.76 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 271.68FAF: DANCRDIST FAF TO MAP: 4.82DIST FAF TO THLD: 4.82

4. MIN ALT: MAPOL 3000, DANCRCR 2500, WEPRI/2.37 NM TO RW27 1720

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW27 2900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NADIR ON V14 NORTHEAST BOUND AND V277 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIGLA ON V55 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 091.46 INBOUND.
CHART FAS OBST: 1071 WATER_TOWER (18-074939) 402646N/0845855W, 1037 TREE (18-074893) 402707N/0845813W.
WAAS CHANNEL # 73025
REFERENCE PATH ID: W27A
DANCRCR TO RW27: 3.00/40.
LTP HAE: 248.4 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4 - NA WHEN LOCAL WEATHER NOT AVAILABLE

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	1300	1	375	1300	1	375	1300	1	375	1300	1	375		QUALITY 10 CHECKED	
LNAV MDA	1380	1	455	1380	1	455	1380	1 3/8	455	1380	1 3/8	455			
CIRCLING	1480	1	555	1480	1	555	1580	1 3/4	655	1640	2 1/4	715			

CHANGES - REASONS

1. ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - IAW 8260.19I, PARA 8-6-8B(2).
2. DELETED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19H, PARA 4-6-10E AND MEMO 266 DATED 7/18/2018.
3. CHANGED VGSI AND DESCENT ANGLES NOT COINCIDENT TO VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - IAW 8260.19
4. CHANGED FROM CHART FAS OBST: 1035 TREE 402705N/0845816W AND CHART FAS OBST: 1066 TANK 402646N/0845855W TO CHART FAS OBST: 1071 WATER_TOWER 402646N/0845855W AND CHART FAS OBST: 1037 TREE 402707N/0845813W - NEW OBSTACLE DATA.
5. UPDATED FAS DATA. CRC REMAINDER CHANGED FROM 9F420643 TO BFF273CC - FPAP LAT/LONG CHANGED FROM 402703.9500N/0850051.2700W TO 402703.9535N/0850051.2695W. LTP/FTP LAT/LONG CHANGED FROM 402706.1255N/0845854.5885W TO 402706.1250N/0845854.5895W. LENGTH OFFSET CHANGED FROM 1528 TO 1072.
6. ADDED CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - 20:1 PENETRATIONS.
7. REMOVED BACKUP ALTIMETER SETTING AND ASSOCIATED NOTES - MOVED TO -9 AS A CONTINGENCY.
8. DELETE NOTE: "WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 27 PROCEDURE NA AT NIGHT" - AFS APPROVAL LETTER REQUIRED TO UTILIZE VGSI TO MITIGATE 20:1 PENETRATIONS.
9. DELETED NOTE: "WHEN VGSI INOP, CIRCLING RWY 9 NA AT NIGHT" - AFS APPROVAL LETTER REQUIRED TO UTILIZE VGSI TO MITIGATE 20:1 PENETRATIONS.
10. ADDED 20:1 IS NOT CLEAR TO LINE 7 - IAW 8260.19I PARA 8-6-7.G.(3).
11. ADDED CHART NOTE: PROCEDURE NA AT NIGHT - 20:1 CIRCLING VISUAL AREA PENETRATIONS.
12. TERMINAL ROUTE UPDATE: "DANCR TO WEPRI/2.40 NM TO RWY CHANGED" TO "DANCR TO WEPRI/2.37 NM TO RWY". CHANGED DISTANCE FROM 2.42 TO 2.45 - WEPRI MOVED FROM 402709.58N/0845546.01W TO 402709.53N/0845548.38W, 183.22 FT WEST AND DANCR CHANGED FROM 402712.98N/0845235.93W TO 402712.97N/0845235.93W, FIX MOVED 0.87 FEET WEST.
13. TERMINAL ROUTE UPDATE: "WEPRI/2.37 NM TO RW27" TO RW27 DISTANCE CHANGED FROM 2.40 TO 2.37 - WEPRI MOVED FROM 402709.58N/0845546.01W TO 402709.53N/0845548.38W, 183.22 FT WEST.
14. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA" TO "RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - IAW 8260.19I PARA 8-6-11K.

COORDINATED WITH:

AAA ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZID, FWA APP CON, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

DAVID TEFFETELLER**OFFICE****DATE**

Dec 27, 2022

DEVELOPED BY

KWEKU DONKOR

Digitally signed by

KWEKU DONKOR

Dec 22, 2022

OFFICE

AJV-A433

DATE

12/12/2022

APPROVED BY

JOHNNIE BAKER

Digitally signed by

DAVID TEFFETELLER

Dec 27, 2022

OFFICE

AJV-A430

DATE

12/12/2022

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPLD
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	402706.1250N
LTP/FTP LONGITUDE	0845854.5895W
LTP/FTP ELLIPSOIDAL HEIGHT	+02484
FPAP LATITUDE	402703.9535N
FPAP LONGITUDE	0850051.2695W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BFF273CC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02820
FPAP ORTHOMETRIC HEIGHT	+02820

