

**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.

<b><u>AIRPORT</u></b> HOMER	<b><u>AIRPORT ID</u></b> PAHO	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) Z RWY 22	<b><u>ORIGINAL/AMENDMENT</u></b> 1D	<b><u>CITY</u></b> HOMER	<b><u>STATE</u></b> AK
<b><u>AIRPORT ELEVATION</u></b> 84	<b><u>TDZE</u></b> 84	<b><u>SUPERSEDED</u></b> RNAV (GPS) Z RWY 22	<b><u>ORIGINAL/AMENDMENT</u></b> 1C	<b><u>DATED</u></b> 03/31/2016	<b><u>MAG VAR</u></b> 17E
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 20 JUNE 2019	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2015

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
KASSI		ZIBVI		TF	FB	1.00	154.70	19.19	5000
ZIBVI	IAF	CUTNA		TF	FB	1.00	148.65	11.98	4000
CUTNA	IF	JULMU		TF	FB	1.00	218.34	4.57	2700
JULMU		HIXAK	PFAF	TF	FB	1.00	218.23	1.30	2500
HIXAK	PFAF	RW22	MAP	TF	FO	0.30	218.20	7.44	
RW22	MAP	386 MSL		CA			218.20		
386 MSL		PLICK		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2600 DIRECT PLICK AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)

2. PROFILE STARTS AT CUTNA

3. FAC: 218.20      PFAF: HIXAK      DIST PFAF TO MAP:      DIST PFAF TO THLD:

4. MIN ALT: CUTNA 4000, JULMU 2700, HIXAK 2500

5. DIST TO THLD FROM OM: 7.44      MM:      IM:      150 HAT:      GS ANT:      MM:      IM:

6. MIN GP INCPT: 2500      GP ALT AT PFAF : HIXAK 2500      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 56.0

8. MSA FROM: RW22 7100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV MINIMUMS.  
CHART NOTE: BARO-VNAV NA.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KASSI ON V435 NORTHBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIBVI ON V438 NORTH BOUND.  
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 SM.

ADDITIONAL FLIGHT DATA:

WAAS CHANNEL #82402  
REFERENCE PATH ID: W22A  
HOLD NE, RT, 217.65 INBOUND  
LTP HAE: 32 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
LPV DA	386	1	302	386	1	302	386	1	302	386	1	302			
LNAV/VNAV DA	731	1 5/8	647	731	1 5/8	647	731	1 5/8	647	731	1 5/8	647			



**CHANGES - REASONS**

1. CHANGED THRE OF 74 TO TDZE OF 84. - INCORPORATED NOTAM FDC 4/3540.
2. ADDED "IS CLEAR" TO 20:1 AND DELETED CHART NOTE "PROCEDURE NA AT NIGHT." - FDC 3/7744 PREVIOUS 20:1 OBSTACLES MITIGATED BY AIRPORT.
3. DELETED DME/DME RNP 0.3 NA NOTE AND ADDED RNP APCH PBN REQUIREMENTS NOTE. - FAAO 8260.19H PARAGRAPH 1-1-5 F (14) AND PARAGRAPH 8-6-8 B (1).
4. DELETED CHART NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C (-6°F) OR ABOVE 54°C (130°F)." AND ADDED BARO NAV NA. - FDC 5/8184 LNAV/VNAV BARO NAV OPS NA FOR PRECIPITOUS TERRAIN LOCATED IN LNAV/VNAV FINAL TRAP.
5. CHANGED CHART NOTE "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." TO "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 20:1 PENETRATIONS MITIGATED BY AIRPORT BUT 34:1 PENETRATIONS REMAIN.
6. LPV MINIMUMS CHANGED FROM 376 DA WITH HAT OF 302 TO 386 DA WITH HAT OF 302. - INCORPORATED FDC NOTAM 4/3540 CHANGED THRESHOLD ELEVATION TO TOUCHDOWN ZONE ELEVATION.
7. LNAV/VNAV MINIMUMS CHANGED FROM 703 DA WITH HAT OF 629 TO 731 DA WITH HAT OF 647. - INCORPORATED FDC NOTAM 4/3540, 8/9897 AND NEW CONTROLLING OBSTACLE.
8. CHANGED MISSED APPROACH CA ALTITUDE FROM 376 TO 386. - LPV DA INCREASED 10 FEET.
9. CRC REMAINDER CHANGED FROM 158322E9 TO B26CFD2B. - LTP/FTP LOCATION CHANGED FROM 593902.8950N/1512742.3170W TO 593902.8910N/1512742.3151W, FPAP LOCATION CHANGED FROM 593811.9370N/15130061410W TO 593811.9320N/1513006.1375 AND LENGTH OFFSET CHANGED FROM 712 TO 704.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, ENA FSS, AMGR, ATA

**FLIGHT CHECKED BY**

DANIEL STRICKER

*Digitally signed by*  
**CASIMIR L TABAKA**  
May 02, 2019

**OFFICE**

FICO

**DATE**

4/23/19

**DEVELOPED BY**

ROBERT G HAMILTON (STEVEN WINNER)

*Digitally signed by*  
**CASIMIR L TABAKA**  
May 02, 2019

**OFFICE**

AJV-A422

**DATE**

02/20/2019

**APPROVED BY**

JULIE MORGAN

*Digitally signed by*  
**CASIMIR L TABAKA**  
May 02, 2019

**OFFICE**

AJV-A42

**DATE**

**TITLE**  
MANAGER

QUALITY  
16  
CHECKED

**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAHO
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	593902.8910N
LTP/FTP LONGITUDE	1512742.3150W
LTP/FTP ELLIPSOIDAL HEIGHT	+00320
FPAP LATITUDE	593811.9320N
FPAP LONGITUDE	1513006.1375W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 CRC REMAINDER	 B26CFD2B

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00226
FPAP ORTHOMETRIC HEIGHT	+00226

