

**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.

AIRPORT ID OGG/PHOG	PROCEDURE NAME RNAV (GPS) Y RWY 2	ORIGINAL/AMENDMENT 4	CITY KAHULUI	STATE HI		
AIRPORT ELEVATION 55	TDZE 55	SUPERSEDED RNAV (GPS) Y RWY 2	ORIGINAL/AMENDMENT 3	DATED 09/08/2022	MAG VAR 11E	EPOCH YEAR 1990
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KEIKI	IAF	WUNAT		TF	FB	1.00	054.83	8.17	3200
GREHG	IAF	WUNAT		TF	FB	1.00	334.18	8.32	3200
HOMAI	IAF	ZETMA		TF	FB	1.00	204.16	5.70	4500
ZETMA		CORBU		TF	FB	1.00	204.16	8.30	3500
CORBU		WUNAT		TF	FB	1.00	293.92	4.29	3200
WUNAT	IF	SABAE		TF	FB	1.00	023.90	3.44	2600
SABAE	FAF	JINAS/3.78 NM TO RW02		TF	FB	0.30	023.94	3.53	
JINAS/3.78 NM TO RW02		RW02	MAP	TF	FO	0.30	023.94	3.78	
RW02	MAP	455 MSL		CA			023.94		
455 MSL		KRANE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT KRANE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WUNAT
- FAC: 023.94 FAF: SABAE DIST FAF TO MAP: 7.31 DIST FAF TO THLD: 7.31
- MIN ALT: WUNAT 3200, SABAE 2600, JINAS/3.78 NM TO RW02 1400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- MIN GP INCPT: GP ALT AT FAF:
- GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:
- MSA FROM: RW02 11300



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KEIKI ON V2-21 WESTBOUND.
CHART NOTE: WHEN KAHULUI ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART SPEED ICON IN PLANVIEW AT HOMAI: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 203.96 INBOUND.
CHART FAS OBST: 238 STACK (15-000038) 205206N/1562714W.
CHART VDP AT 1.15 NM TO RW02.
CHART MANDATORY 6000 AT GREHG.
CHART MANDATORY 5000 AT HOMAI.
CHART CIRCLING ICON.
SABAE TO RW02: 3.20/62.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1200-3, 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
LNAV MDA	500	1/2	445	500	1/2	445	500	7/8	445	500	7/8	445			
CIRCLING	520	1	465	620	1	565	800	2 1/4	745	1160	3	1105			

CHANGES - REASONS

- REMOVED SPEED RESTRICTION 210 KTS A GREHG - PER ATC REQUEST.
- UPDATED CAT C CIRCLING/VIS MDA/HAA FROM MDA 740/HAA 685 VIS 2 TO MDA 800/HAA 745 VIS 2 1/4 - BASED ON NEW TARGETS EVALUATION WITH 3DEP SOFTWARE/TO CLEAR NOTAM FDC 4/2819.
- INCREASED CAT D CIRCLING MDA/HAA FROM MDA 1140/HAA 1085 TO MDA 1160/HAA 1105 - BASED ON NEW TARGETS EVALUATION WITH 3DEP SOFTWARE.
- ADDITIONAL FLIGHT DATA: VDA/TCH CHANGED FROM "JINAS TO RWO2: 3.20/62.3" TO "SABAE TO RW02: 3.20/62" - NEW EVALUATION
- ALTERNATE MINIMUMS: ADDED CAT C 800-2 1/4 - NEW EVALUATION.
- CIRCLING MINIMUMS: INCREASED CAT A MDA FROM 500/HAA 445 TO MDA 520/HAA 465 - TO MATCH OTHER CIRCLING PROCEDURES AT PHOG.
- INCREASED MSA FROM 11200 TO 11300 - NEW EVALUATION.



STATE
HI



FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
OGG/PHOG	RNAV (GPS) Y RWY 2	4	KAHULUI	HI	55	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM KEIKI **TO** WUNAT

RNP 1.00 **DISTANCE** 8.17 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	204248.00N/1563648.00W	200	215	8	4B	1000				AT2000	3200
TERRAIN	204249.87N/1563643.62W	0 (0)								AS1500	1500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INITIAL

FROM GREHG **TO** WUNAT

RNP 1.00 **DISTANCE** 8.32 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	203751.00N/1562951.00W	368	215	8	4B	1000				AT1832	3200
TERRAIN	203751.00N/1562951.00W	167 (200)								AS1500	1700

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



INITIAL

FROM

HOMAI

TO

ZETMA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.70										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	205015.00N/1562015.00W	1720	215	8	4B	1000				AT1780	4500
TERRAIN	205015.00N/1562015.00W	1519 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

ZETMA

TO

CORBU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	8.30										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	204812.00N/1562148.00W	1464	215	8	4B	1000				PR180 AT856	3500
TERRAIN	204742.00N/1562212.00W	1187 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: STEPDOWN

FROM

CORBU

TO

WUNAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	4.29				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	204210.72N/1562929.70W	208	50	20	2C	1000				AT1992	3200
TERRAIN	204316.61N/1563052.31W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HISTORIC WIND OF 14.72 KNOTS USED IN SEGMENT - PROVIDED BY WESTERN FPT.

INTERMEDIATE

FROM

WUNAT

TO

SABAE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	3.44				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (15-020091)	204749.08N/1563217.65W	1841	500	125	5E	500				SA-115 PR127 AC125 DG122	2600
TERRAIN	204739.00N/1563212.00W	1325 (1300)								AS1000	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HISTORIC WIND OF 14.76 KNOTS USED IN SEGMENT - PROVIDED BY WESTERN FPT.



FINAL: LNAV

FROM

SABAE

TO

JINAS/3.78 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.53										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	204833.00N/1563109.00W	847	215	8	4B	250				XL66 SA-346 PR88 DG495	1400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

JINAS/3.78 NM TO RW02

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.78		RW02		445						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
STACK (15-000038)	205205.88N/1562713.94W	238	20	3	1A	250					500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW02

TO

KRANE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										400	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
SHIP	205730.00N/1562436.00W	208	50	20	2C	1000					1300
TERRAIN	205300.00N/1562536.00W	95 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
CONTROL_TOWER (15-000336)	205350.11N/1562534.18W	1.30	465	196	20	3	1A	300		XP20	520
CATEGORY B											
TOWER (15-000253)	205155.88N/1562512.25W	1.81	565	313	20	3	1A	300			620
CATEGORY C											
TRANSMISSION_LINE (15-029771)	205051.74N/1562447.14W	2.84	745	444	250	50	4D	300		AC50	800
CATEGORY D											
AAO	205230.00N/1562157.00W	3.71	1105	860	215	8	4B	300			1160

CIRCLING REMARKS:

XP - CAT A TO MATCH MIN ALT WITH OTHER PROCEDURES AT AIRPORT.



MSA

CENTER

RW02

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	204236.00N/1561515.00W	125	14.8	10207	215	8	4B	1000			11300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

HCF TRACON, OGG TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	OGG/PHOG	24	OGG/PHOG	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

REDUNDANT ALTIMETER SETTING PROVIDED BY ATCT, NOT OPEN 24 HOURS. USE OF JHM/PHJH WOULD REQUIRE AN EXCESSIVE ADJUSTMENT (843 FT).

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW23 - MIRL (PCL)		NPI-G	
RW02 - MALSR (PCL), HIRL (PCL), PAPI-4R		PIR-G	
RW20 - HIRL (PCL), PAPI-4L (PCL)		PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	76.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

LPV AND LNAV/VNAV NOT DEVELOPED DUE TO LACK OF WAAS COVERAGE. BARO VNAV NOT DEVELOPED PER ATC REQUEST.

AVERAGE VEGETATION HEIGHT 50 FT PER FPT.

TCH OF 62.3 BASED ON ILS OR LOC RWY 2 DESIGN TCH.

WIND DATA USED IN PROCEDURE CAME FROM THE WESTERN FPT PBN OFFICE.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1959 AAO 204806.00N/1563221.00W, 384 AAO 205042.00N/1562854.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	5.52
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	34.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	9.95
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	34.90
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)	205320.91N/1562610.75W
ARP COORDINATES	205355.14N/1562549.65W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2 DISTANCE 0.66 NM
FAF COORDINATES	204720.27N/1563038.94W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
OGG/PHOG	RNAV (GPS) Y RWY 2	4	KAHULUI	HI	55	RNAV
PART E: PREPARED BY						
<u>NAME</u>			<u>OFFICE</u>	<u>DATE</u>		<u>TITLE</u>
TROY PURNELL			AJV-A433	02/14/2025		AERONAUTICAL INFORMATION SPECIALIST

