

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> KOA/PHKO	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> KAILUA-KONA	<u>STATE</u> HI		
<u>AIRPORT ELEVATION</u> 49	<u>TDZE</u> 49	<u>SUPERSEDED</u> ILS OR LOC RWY 17	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 11/05/2020	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> I-KOA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UPP VORTAC		GEYEN INT/UPP 11.00 DME					209.68	11.00	5600
GEYEN INT/UPP 11.00 DME		BAYCA INT/I-KOA LOC/DME 16.99 DME					209.68	4.49	4500
BAYCA INT/I-KOA LOC/DME 16.99 DME	IAF	VECKI INT/I-KOA 12.39 DME					173.82	4.60	3000
MUE VOR/DME	IAF	ZAPSO INT/MUE 8.00 DME					247.27	8.00	6800
ZAPSO INT/MUE 8.00 DME		VECKI INT/I-KOA 12.39 DME					247.27 (MUE R-247)	12.73	3000
TAMMI INT/KOA 22.45 DME	IAF	VECKI INT/I-KOA 12.39 DME					129.00 (HDG129) & 173.82 (I-KOA)	1.55 & 8.73	3000
VECKI INT/I-KOA 12.39 DME	IF	EGIPT/I-KOA 6.38 DME					173.82 (I-KOA)	6.01	1500

MISSED APPROACH

MAP:

ILS: DA
LOC: I-KOA 1.99 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 460 THEN CLIMBING RIGHT TURN TO 5000 ON KOA VORTAC R-294 TO ANDES/KOA VORTAC 11.66 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 5000 ON I-KOA LOCALIZER S COURSE 174 TO WERAK/I-KOA 11.82 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2. PROFILE STARTS AT VECKI INT/I-KOA 12.39 DME						
3. FAC: 173.82	FAF: EGIPT/I-KOA 6.38 DME		DIST FAF TO MAP:		DIST FAF TO THLD: 4.39	
4. MIN ALT: VECKI INT/I-KOA 12.39 DME 3000, EGIPT/I-KOA 6.38 DME 1500						
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT: 1149		
6. MIN GS INCPT: 1500	GS ALT AT PFAF: EGIPT/I-KOA 6.38 DME 1500			OM:	MM:	IM:
7. GS ANGLE: 3.00	34:1:	20:1:	TCH: 55.1			
8. MSA FROM: KOA VORTAC 080-170 14900, 170-350 3300, 350-080 11600						



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 500.
CHART NOTE: CIRCLING NA EAST OF RWY 17-35.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON UPP VORTAC AIRWAY RADIALS 200 CW 266.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TAMMI ON T342 NORTHBOUND AND ARRIVALS AT MUE VOR/DME ON V3 NORTHWEST BOUND.
CHART PROFILE NOTE: USE I-KOA DME WHEN ON THE LOCALIZER COURSE.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 17 CAT E VISIBILITY TO 3/4 SM AND S-LOC 17 CATS C, D, E VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 113.67 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S WERAK/I-KOA 11.82 DME, LT, 353.82 INBOUND.
CHART FAS OBST: 65 GROUND (PKOA0014) 194532N/1560232W.
CHART VDP AT 2.93 DME.
DISTANCE VDP TO THLD 0.94 NM.
CHART IN PLANVIEW: WERAK/I-KOA 11.82 DME.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN TOWER CLOSED.; LOC: STANDARD - NA WHEN TOWER CLOSED.

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
S-ILS 17	249	1/2	200	249	1/2	200	249	1/2	200	249	1/2	200	249	1/2	200
S-LOC 17	400	1/2	351	400	1/2	351	400	5/8	351	400	5/8	351	400	5/8	351
CIRCLING	520	1	471	520	1	471	520	1 1/2	471	600	2	551	600	2	551

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAM AMDT 2A, 2B, AND 2C INTO FORM - IAW 8260.19J 8-3-4 C(3).
- TDZE AND AIRPORT ELEVATION CHANGED FROM 47 TO 49 - UPDATED AIRNAV DATA.
- TERMINAL ROUTES: CHANGED COURSE ON SEGMENT FROM "TAMMI INT/KOA 22.45 DME" TO "VECKI INT/I-KOA 12.39 DME" FROM "129.00 (QEJXO HDG129) & 173.82 (I-KOA)" TO "129.00 (HDG129) & 173.82 (I-KOA)" - CNF FIX NO LONGER REQUIRED.
- ALTERNATE MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 5000 ON I-KOA S COURSE TO WERAK/I-KOA 11.82 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" TO "CLIMB TO 5000 ON I-KOA LOCALIZER S COURSE 174 TO WERAK/I-KOA 11.82 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - IAW 8260.19J 8-6-6 D(9).
- PROFILE LINE 8: CHANGED MSA SECTOR 350 - 080 ALTITUDE FROM 11500 TO 11600 - TO MAKE CONSISTENT WITH REVISED MSA SECTOR ON PHKO VOR RWY 17 AND 35 PROCEDURES.
- NOTES: CHANGED CHART NOTE FROM "AUTOPILOT COUPLED APPROACH NA BELOW 415" TO "AUTOPILOT COUPLED APPROACH NA BELOW 500" - SIGNAL UNRELIABLE BELOW 500.
- NOTES: ADDED "CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19J 8-6-10 M(1).
- NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON UPP VORTAC AIRWAY RADIALS 200 CW 266" - IAW 8260.19J 8-2-5 E(2).
- NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TAMMI ON T342 NORTHBOUND AND ARRIVALS AT MUE VOR/DME ON V3 NORTHWEST BOUND" - IAW 8260.19J 8-2-5 G(2).
- NOTES: DELETED "CHART PLANVIEW NOTE: DME REQUIRED" AND ADDED "DME REQUIRED" TO EQUIPMENT REQUIREMENTS NOTES - IAW 8260.19J 8-6-9 A(2)(A).
- NOTES: CHANGED NOTE FROM "FOR INOPERATIVE ALS, INCREASE S-ILS 17 CAT E VISIBILITY TO 3/4 MILE AND S-LOC 17 CATS C, D, E VISIBILITY TO 1 MILE" TO "FOR INOPERATIVE ALS, INCREASE S-ILS 17 CAT E VISIBILITY TO 3/4 SM AND S-LOC 17 CATS C, D, E VISIBILITY TO 1 SM" - IAW 8260.19J 8-6-12 O(3).
- ADDITIONAL FLIGHT DATA: DELETED "CHART (QEJXO) AT INTERSECTION OF TAMMI DR LEG AND INTERMEDIATE COURSE" - CNF FIX NO LONGER REQUIRED.
- MINIMUMS: CHANGED S-ILS 17 DA FROM 247 TO 249 - TDZE CHANGED FROM 47 TO 49.
- MINIMUMS: CHANGED S-LOC 17 HAT FROM 353 TO 351 - TDZE CHANGED FROM 47 TO 49.
- MINIMUMS: LOWERED CIRCLING HAA CATS A,B,C FROM 473 TO 471 AND CATS D,E FROM 553 TO 551 – AIRPORT ELEVATION CHANGED FROM 47 TO 49.



COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZHN CERAP, KOA ATCT, HNL FSDO, APT MGR, USAF

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by
CASIMIR L TABAKA

Nov 19, 2024

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (HOPE N. DENTON)

Digitally signed by
CASIMIR L TABAKA
Nov 19, 2024

OFFICE

AJV-A432

DATE

07/16/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Nov 19, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER



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

AIRPORT ID
KOA/PHKO

PROCEDURE NAME
ILS OR LOC RWY 17

AMDT NO.
2D

CITY
KAILUA-KONA

STATE
HI

AIRPORT ELEVATION
49

FACILITY
I-KOA

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
UPP VORTAC

TO
GEYEN INT/UPP 11.00 DME

RNP

DISTANCE
11.00

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	200854.00N/1554751.00W	3521	164	98	4E	2000					5600
TERRAIN	200854.00N/1554751.00W	3321 (3300)								AS1500	4800

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER: STEPDOWN

FROM
GEYEN INT/UPP 11.00 DME

TO
BAYCA INT/I-KOA LOC/DME 16.99 DME

RNP

DISTANCE
4.49

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>
SHIP	200212.40N/1555942.50W	208	50	20	2C	1000				AT3292	4500
WATER	200212.40N/1555942.50W	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

BAYCA INT/I-KOA LOC/DME 16.99 DME

TO

VECKI INT/I-KOA 12.39 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.60										
<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	195607.17N/1560130.53W	208	50	20	2C	1000				AT1792	3000
WATER	195607.17N/1560130.53W	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

MUE VOR/DME

TO

ZAPSO INT/MUE 8.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	8.00										
<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	200516.20N/1554308.10W	5713	1000	20	6C	1000				PR330 SA-954 AT711	6800
TERRAIN	200339.00N/1554139.00W	4462 (4500)								AS1500	6000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

ZAPSO INT/MUE 8.00 DME

TO

VECKI INT/I-KOA 12.39 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	12.73										
<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	195433.00N/1554645.00W	1372	164	98	4E	1000				AT628	3000
TERRAIN	195421.00N/1554739.00W	1063 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

TAMMI INT/KOA 22.45 DME

TO

VECKI INT/I-KOA 12.39 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	1.55										
<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	195607.17N/1560130.53W	208	50	20	2C	1000				AT1792	3000
WATER	195607.17N/1560130.53W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

VECKI INT/I-KOA 12.39 DME

TO

EGIPT/I-KOA 6.38 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
	6.01										
<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	195607.17N/1560130.53W	208	50	20	2C	500					800
WATER	195607.17N/1560130.53W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

EGIPT/I-KOA 6.38 DME

TO

RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.39		DA				200				
<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				249

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LOC

FROM

EGIPT/I-KOA 6.38 DME

TO

I-KOA 1.99 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.39		I-KOA 1.99 DME				351				
<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>
GROUND (PKOA0014)	194531.59N/1560231.60W	65	20	3	1A	250				XP85	400

COMPUTATIONS

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

SEGMENT REMARKS:

XP: MAINTAIN CURRENTLY PUBLISHED MDA

MISSED APPROACH: ILS

FROM

DA

TO

ANDES/KOA VORTAC 11.66 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
										79	
<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				5000
SHIP	194830.41N/1561250.95W	208	50	20	2C	1000					1300
WATER	194830.41N/1561250.95W	0								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

I-KOA 1.99 DME

TO

ANDES/KOA VORTAC 11.66 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 150			
<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				5000
SHIP	194830.41N/1561250.95W	208	50	20	2C	1000					1300
WATER	194830.41N/1561250.95W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS

FROM

DA

TO

WERAK/I-KOA 11.82 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
										79	
<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				5000
SHIP	193254.48N/1560444.09W	208	50	20	2C	1000					1300
TERRAIN	194230.00N/1560203.00W	115 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH ALTERNATE: LOC

FROM

I-KOA 1.99 DME

TO

WERAK/I-KOA 11.82 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
								150			
<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				5000
SHIP	193254.48N/1560444.09W	208	50	20	2C	1000					1300
TERRAIN	194230.00N/1560203.00W	115 (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											
SHIP	194427.00N/1560351.00W	1.30	471	208	50	20	2C	300			520
CATEGORY B											
SHIP	194427.00N/1560351.00W	1.81	471	208	50	20	2C	300			520
CATEGORY C											
AAO	194427.00N/1560351.00W	2.84	471	208	50	20	2C	300			520
CATEGORY D											
SHIP	194427.00N/1560351.00W	3.70	551	208	50	20	2C	300		HAA	600
CATEGORY E											
SHIP	194427.00N/1560351.00W	4.63	551	208	50	20	2C	300		HAA	600

CIRCLING REMARKS:



MSA

CENTER

KOA VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
080-170	AAO	192833.00N/1553621.00W	109	28.8	13875	215	8	4B	1000			14900
170-350	AAO	194406.00N/1555727.00W	064	04.1	2241	215	8	4B	1000			3300
350-080	AAO	194921.00N/1553242.00W	066	29.0	10525	215	8	4B	1000			11600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

KAILUA-KONA TOWER, ZHN ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	KOA/PHKO	24	KOA/PHKO	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:

BACK-UP ALTIMETER SOURCE NOT USED PER ATC.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-KOA	KOA ATCT	OPEN	1
		CLOSED	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW17 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	
RW35 - HIRL (PCL), PAPI-4L	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	48.6	55.1	40.7	1149	3.00	77.1

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

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.

208' SHIPS USED PER FPT.

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	3.02
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.87
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	184.82
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	4.39
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.17
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	184.82
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)	194513.88N/1560239.44W
ARP COORDINATES	194419.55N/1560244.27W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 35 DISTANCE 0.91 NM
FAF COORDINATES	194937.30N/1560215.97W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (HOPE N. DENTON)	AJV-A432	07/16/2024	AERONAUTICAL INFORMATION SPECIALIST

