

**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> HAO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> HAMILTON	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 632	<u>TDZE</u> 632	<u>SUPERSEDED</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 11/02/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 5W
				<u>EPOCH YEAR</u> 2000
				<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>
MONTR	IF/IAF	CLIFH		TF	FB	1.00	115.23	6.81	2500
CLIFH	FAF	DASBY/2.90 NM TO RW11		TF	FB	0.30	115.32	2.02	
DASBY/2.90 NM TO RW11		RW11	MAP	TF	FO	0.30	115.32	2.90	
RW11	MAP	1020 MSL		CA			115.32		
1020 MSL		BRNIE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT BRNIE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|---|---------------------------|----------------|-----------------------|------------------------|---------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NW MONTR, RT, 115.23 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 115.32 | FAF: CLIFH | | DIST FAF TO MAP: 4.92 | DIST FAF TO THLD: 4.92 | |
| 4. MIN ALT: MONTR 2700, CLIFH 2500, DASBY/2.90 NM TO RW11 1740 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 388 HAT: 0.93 | GS ANT: |
| 6. MIN GP INCPT: 2500 | GP ALT AT FAF: CLIFH 2500 | | | OM: | MM: |
| 7. GP ANGLE: 3.50 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 40.0 | | IM: |
| 8. MSA FROM: RW11 3100 | | | | | |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 49°C.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 295.57 INBOUND.
CHART FAS OBST: 858 TREE (39-067411) 392221N/0843154W.
CHART VDP AT 1.35 NM TO RW11.
WAAS CHANNEL # 56600
REFERENCE PATH ID: W11A
CHART CIRCLING ICON.
LTP HAE: 158.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD; STANDARD - 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
LPV DA	1020	1 1/8	388	1020	1 1/8	388	1020	1 1/8	388	1020	1 1/8	388			
LNAV/VNAV DA	1108	1 3/8	476	1108	1 3/8	476	1108	1 3/8	476	1108	1 3/8	476			
LNAV MDA	1160	1	528	1160	1	528	1160	1 1/2	528	1160	1 1/2	528			
CIRCLING	1280	1	648	1280	1	648	1300	1 3/4	668	1760	3	1128			

CHANGES - REASONS

- 1. TERMINAL ROUTES: DELETED FEEDER SEGMENT FROM CVG VORTAC TO MONTR - CVG VOR MON DECOMMISSION.
- 2. DELETED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL ON CVG VORTAC AIRWAY RADIALS 294 CW 067" - CVG VOR MON DECOMMISSION.
- 3. LOWERED CIRCLING CAT C MDA/HAA FROM "1320/688" TO "1300/668" AND VISIBILITY FROM "2 SM" TO "1 3/4 SM" - TO MATCH ILS OR LOC RWY 29 A3 AND RNAV (GPS) RWY 29 A2 EVALUATION.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZID, CVG APP CON, DAY APP CON, AMGR

FLIGHT CHECKED BY

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

OFFICE

DATE

Digitally signed by

CASIMIR L TABAKA

Oct 13, 2023

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by

CASIMIR L TABAKA

Oct 13, 2023

OFFICE

DATE

AJV-A432

05/12/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Oct 13, 2023

OFFICE

DATE

TITLE

AJV-A430

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHAO
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	392158.9955N
LTP/FTP LONGITUDE	0843151.8190W
LTP/FTP ELLIPSOIDAL HEIGHT	+01589
FPAP LATITUDE	392127.9450N
FPAP LONGITUDE	0843004.1275W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A81C1CFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01926
FPAP ORTHOMETRIC HEIGHT	+01926

