

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 12	<u>ORIGINAL/AMENDMENT</u> 1D	<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SUPERSEDED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> 1C	<u>DATED</u> 11/30/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 APRIL 2025	<u>REQUIRED EFFECTIVE DATE</u> 04/17/2025	<u>MAG VAR</u> 6W
				<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MONTR	IF/IAF	CLIFH		TF	FB	1.00	116.23	6.81	2500
CLIFH	FAF	DASBY/2.90 NM TO RW12		TF	FB	0.30	116.32	2.02	
DASBY/2.90 NM TO RW12		RW12	MAP	TF	FO	0.30	116.32	2.90	
RW12	MAP	1020 MSL		CA			116.32		
1020 MSL		BRNIE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

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, 116.23 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 116.32	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 RW12 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 PFAF: 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: RW12 3100					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 12 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, 296.57 INBOUND.
CHART FAS OBST: 858 TREE (39-067411) 392221N/0843154W.
CHART VDP AT 1.35 NM TO RW12.
WAAS CHANNEL # 56600
REFERENCE PATH ID: W12A
LTP HAE: 158.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ 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. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 11 TO RNAV (GPS) RWY 12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
2. UPDATED MAGVAR/EPOCH YEAR FROM 5W/2000 TO 6W/2025 - UPDATED MAGVAR
3. TERMINAL ROUTES - UPDATED ALL COURSES FROM 115.23 TO 116.23 - UPDATED MAGVAR
4. ADDITIONAL FLIGHT DATA – REMOVED “CHART CIRCLING ICON – IAW MEMO 279
5. MAP - LNAV CHANGED FROM RW11 TO RW12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
6. PROFILE LINE 2 - UPDATED HOLDING COURSE FROM 115.23 TO 116.23 - UPDATED MAGVAR
7. PROFILE - UPDATED FAC FROM 115.23 TO 116.23 - UPDATED MAGVAR
8. PROFILE - MSA FROM UPDATED FROM RW11 TO RW12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
9. PROFILE LINE 4 - UPDATED RW11 TO RW12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
10. NOTES - UPDATED COPTER NOTE FROM RW11 TO RW12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
11. ADDITIONAL FLIGHT DATA - CHANGED VDP RWY FROM RW11 TO RW12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
12. ADDITIONAL FLIGHT DATA - REFERENCE PATH ID CHANGED FROM RW11 TO RW12 - RUNWAY NUMBERS CHANGING FROM 11 TO 12
13. FAS DATA – FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM A81C1CFA TO 87A22D4F – RUNWAY CHANGED FROM RW11 TO RW12 AND REFERENCE PATH IDENTIFIER (APPROACH ID) CHANGED FROM W11A TO W12A



COORDINATED WITH:

A4A

☐

ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

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OTHER: ZID, CVG APP CON, DAY APP CON, AMGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
CASIMIR L TABAKA
Dec 17, 2024

OFFICE
FIOG
DATE

DEVELOPED BY
JOSEPH BLANCO
Digitally signed by
JOSEPH A BLANCO
Dec 03, 2024

OFFICE
AJV-A432
DATE
10/01/2024

APPROVED BY
BEV L BORDY
Digitally signed by
CASIMIR L TABAKA
Dec 17, 2024

OFFICE
AJV-A430
DATE
TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHAO
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
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	87A22D4F

ADDITIONAL PATH POINT RECORD INFORMATION

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

