

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 29	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> HAMILTON	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 632	<u>TDZE</u> 619	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 11/02/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 5W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CINPA		BRNIE		TF	FO	1.00	166.05	22.65	3000
BRNIE	IF/IAF	HOLGR		TF	FB	1.00	295.58	8.13	2600
HOLGR	FAF	PUNUE/3.30 NM TO RW29		TF	FB	0.30	295.46	2.78	
PUNUE/3.30 NM TO RW29		RW29	MAP	TF	FO	0.30	295.46	3.30	
RW29	MAP	819 MSL		CA			295.46		
819 MSL		MONTR		DF	FO	1.00			2700

MISSED APPROACH

MAP:  
LPV: DA  
LNAV/VNAV: DA  
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:  
CLIMB TO 2700 DIRECT MONTR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD SE BRNIE, RT, 295.57 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 295.46

FAF: HOLGR

DIST FAF TO MAP: 6.08

DIST FAF TO THLD: 6.08
4. MIN ALT: BRNIE 3000, HOLGR 2600, PUNUE/3.30 NM TO RW29 1700
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.48

GS ANT:
6. MIN GP INCPT: 2600

GP ALT AT FAF: HOLGR 2600

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 45.6
8. MSA FROM: RW29 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 115.23 INBOUND.  
FAS OBST: 829 TREE 392213N/0843055W.  
1020 AAO 392049N/0842615W.  
CHART VDP AT 1.29 NM TO RW29.  
WAAS CHANNEL # 61300  
REFERENCE PATH ID: W29A  
CHART CIRCLING ICON.  
LTP HAE: 155 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	819	3/4	200	819	3/4	200	819	3/4	200	819	3/4	200			
LNAV/VNAV DA	1080	1 1/8	461	1080	1 1/8	461	1080	1 1/8	461	1080	1 1/8	461			
LNAV MDA	1080	3/4	461	1080	3/4	461	1080	1 1/8	461	1080	1 1/8	461			
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 BRNIE - CVG VOR MON DECOMMISSION.  
2. DELETED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL ON CVG VORTAC AIRWAY RADIALS 010 CW 144" - CVG VOR MON DECOMMISSION.

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

AJV-A430

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE  
SBAS SERVICE PROVIDER IDENTIFIER  
AIRPORT IDENTIFIER  
RUNWAY  
APPROACH PERFORMANCE DESIGNATOR  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR  
REFERENCE PATH IDENTIFIER (APPROACH ID)  
LTP/FTP LATITUDE  
LTP/FTP LONGITUDE  
LTP/FTP ELLIPSOIDAL HEIGHT  
FPAP LATITUDE  
FPAP LONGITUDE  
THRESHOLD CROSSING HEIGHT (TCH)  
TCH UNITS SELECTOR (METERS OR FEET USED)  
GLIDEPATH ANGLE (GPA)  
COURSE WIDTH AT THRESHOLD  
LENGTH OFFSET  
HORIZONTAL ALERT LIMIT (HAL)  
VERTICAL ALERT LIMIT (VAL)

0  
0  
KHAO  
RW29  
0  
0  
W29A  
392140.0730N  
0843046.1755W  
+01550  
392211.1130N  
0843233.8775W  
00045.6  
F  
03.00  
106.75  
1072  
40.0  
35.0

CRC REMAINDER

DFB19324

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE  
LTP ORTHOMETRIC HEIGHT  
FPAP ORTHOMETRIC HEIGHT

K5  
+01886  
+01886



**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>
HAO	RNAV (GPS) RWY 29	2A	HAMILTON	OH	632	RNAV

**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM** CINPA **TO** BRNIE

RNP 1.00 DISTANCE 22.65 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>
ANTENNA (39-092571)	393058.56N/0842104.42W	1404	20	10	1B	1000				AT596	3000
TERRAIN	393606.00N/0842454.00W	938 (900)								AS1500	2400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE**

**FROM** BRNIE **TO** HOLGR

RNP 1.00 DISTANCE 8.13 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>
TOWER (39-000020)	392111.00N/0841931.00W	1568	100	20	3C	500				SA-297 AT829	2600
TERRAIN	391912.00N/0842203.00W	967 (1000)								AS1500	2500

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



FINAL: LPV

FROM

HOLGR

TO

RW29

<u>RNP</u> 0.30	<u>DISTANCE</u> 6.08	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200	<u>HMAS</u>						
<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				819

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

HOLGR

TO

RW29

<div><div><u>RNP</u></div><div>0.30</div></div>	<div><div><u>DISTANCE</u></div><div>6.08</div></div>	<div><div><u>PAT</u></div></div>	<div><div><u>MAP</u></div><div>DA</div></div>	<div><div><u>HAT</u></div><div>461</div></div>	<div><div><u>HMAS</u></div></div>						
<div><div><u>OBSTRUCTION</u></div></div>	<div><div><u>COORDINATES</u></div></div>	<div><div><u>ELEV MSL</u></div></div>	<div><div><u>HORZ</u></div></div>	<div><div><u>VERT</u></div></div>	<div><div><u>AC</u></div></div>	<div><div><u>ROC</u></div></div>	<div><div><u>OCS</u></div></div>	<div><div><u>CG</u></div></div>	<div><div><u>CGTA</u></div></div>	<div><div><u>ADJUSTMENTS</u></div></div>	<div><div><u>MIN ALT</u></div></div>
TREE	392150.35N/0842901.47W	849	50	20	2C		23.63:1			AC20 SA-20	1080

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LNAV/VNAV MINIMUMS LOWERED TO MATCH LNAV MINIMUMS PER 8260.58B 3-3-5.



FINAL: LNAV

FROM

HOLGR

TO

PUNUE/3.30 NM TO RW29

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.78										
<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	392015.00N/0842245.00W	1090	164	98	4E	250				AC98 RA60 XL4 DG198	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

PUNUE/3.30 NM TO RW29

TO

RW29

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.30		RW29		461						
<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>
TREE	392213.44N/0843054.67W	829	50	20	2C	250					1080

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM  
BRNIE

TO  
P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<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>
TOWER (39-002039)	391423.64N/0840658.62W	1370	50	20	2C	1000				AT630	3000
TERRAIN	391630.00N/0840039.00W	958 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM  
DA

TO  
MONTR

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 654			
<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				2700
TOWER (39-002770)	392609.18N/0844023.52W	1381	50	20	2C	1000					2400
TERRAIN	392718.00N/0844309.00W	974 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

MONTR

<div><div>RNP</div><div>0.30-1.00</div></div>	<div>DISTANCE</div>	<div>PAT</div>	<div>MAP</div>		<div>HAT</div>		<div>HMAS</div> <div>919</div>				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2700
TOWER (39-002770)	392609.18N/0844023.52W	1381	50	20	2C	1000					2400
TERRAIN	392718.00N/0844309.00W	974 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW29

TO

MONTR

<div><div>RNP</div><div>0.30-1.00</div></div>	<div>DISTANCE</div>	<div>PAT</div>	<div>MAP</div>		<div>HAT</div>		<div>HMAS</div> <div>980</div>				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2700
TOWER (39-002770)	392609.18N/0844023.52W	1381	50	20	2C	1000					2400
TERRAIN	392718.00N/0844309.00W	974 (1000)								AS1500	2500

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											
TOWER	392231.81N/0843027.18W	1.30	648	930	250	50	4D	300		AC50	1280
CATEGORY B											
TOWER (39-003545)	392312.00N/0843025.00W	1.83	648	947	50	20	2C	300		XP20	1280
CATEGORY C											
TREE	391847.71N/0843048.76W	2.87	668	999	50	20	2C	300			1300
CATEGORY D											
TOWER (39-000062)	391841.70N/0843045.85W	3.76	1128	1404	250	50	4D	300		AC50	1760

CIRCLING REMARKS:

CAT A TOWER REF 2021-AGL-10816-OE. XP20: TO RAISE CAT B MDA TO 1280.

MSA

CENTER

RW29

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (39-001362)	394328.61N/0841517.58W	034	24.9	2049	100	20	3C	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

CVG APP CON, ZID ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	HAO	24	HAO	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	LUK	24	LUK	16.22	Y	60

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KHAO 632, KLUK 476  
RA = 59.2.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW11 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-P	
RW29 - MALS (PCL), MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-P	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	618.9	45.6			3.00	47.3

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
-18C	+54C	-18C	+13.75C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2017-2021).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 963 HIGH TEMP 1270.



"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.

TAA AND STANDARD "T" NOT DEVELOPED PER FPT REQUEST.

VEGETATION HEIGHT 100 FT PER FPT.

FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CINCINNATI MUNI/LUNKEN FLD ALTIMETER SETTING: INCREASE LPV DA TO 879 FEET; INCREASE LNAV/VNAV DA TO 1140 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET AND VISIBILITY LNAV CATS C/D 1/8 SM AND CIRCLING CAT C 1/4 SM.

FOR INOPERATIVE ALS WHEN USING CINCINNATI MUNI/LUNKEN FLD ALTIMETER SETTING, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 3/4 SM.

WHEN USING CINCINNATI MUNI/LUNKEN FLD ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LPV.

BARO-VNAV AND VDP NA WHEN USING CINCINNATI MUNI/LUNKEN FLD ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1020 AAO 392049.30N/0842614.99W.

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	3.88
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	290.46
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.68
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	290.46
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)	392140.07N/0843046.18W
ARP COORDINATES	392149.50N/0843119.00W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 11 DISTANCE 0.45 NM
FAF COORDINATES	391932.74N/0842325.66W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.



<u>AIRPORT ID</u> HAO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 2A	<u>CITY</u> HAMILTON	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 632	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> CASIMIR L. TABAKA (ROBERT A. SWINSON)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 05/12/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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