

**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</u> HURON RGNL	<u>AIRPORT ID</u> KHON	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> HURON	<u>STATE</u> SD
<u>AIRPORT ELEVATION</u> 1289	<u>TDZE</u> 1286	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 7E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HON DME		FARVA		TF	FO	1.00	122.39	17.00	3000
KAATS		HUBOB		TF	FB	1.00	050.14	26.15	3900
ZOTBY		HUDIS		TF	FB	1.00	242.31	19.77	4000
HUBOB	IAF	FARVA	NOPT	TF	FB	1.00	031.17	6.00	3000
HUDIS	IAF	FARVA	NOPT	TF	FB	1.00	211.29	6.00	3000
FARVA	IF/IAF	CAVOR		TF	FB	1.00	301.23	6.53	3000
CAVOR	FAF	RW30	MAP	TF	FO	0.30	301.15	5.16	
RW30	MAP	1559 MSL		CA			301.15		
1559 MSL		COGAC		DF	FB	1.00			
COGAC		HON DME		TF	FO	1.00	309.29	2.84	3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW30

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT COGAC AND ON TRACK 309.29 TO HON DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD SE FARVA, RT, 301.23 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 301.15                            **FAF:** CAVOR                            **DIST FAF TO MAP:** 5.16                            **DIST FAF TO THLD:** 5.16
- 4. **MIN ALT:** FARVA 3000, CAVOR 3000
- 5. **DIST TO THLD FROM OM:**                            **MM:**                            **IM:**                            **150 HAT:**                            **273 HAT:** 0.71                            **GS ANT:**
- 6. **MIN GP INCPT:** 3000                            **GP ALT AT FAF:** CAVOR 3000                            **OM:**                            **MM:**                            **IM:**
- 7. **GP ANGLE:** 3.00                            **34:1:** IS NOT CLEAR                            **20:1:** IS CLEAR                            **TCH:** 50.0
- 8. **MSA FROM:** RW30 3400

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.  
 CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

**ADDITIONAL FLIGHT DATA:**

HOLD NW, RT, 124.00 INBOUND.  
 CHART VDP AT 1.33 NM TO RW30\*  
 \*LNAV ONLY  
 CHART FAS OBST: 1428 BUILDING 442154N/0981031W.  
 DISTANCE TO THLD FROM 273 HAT: 0.71 NM.  
 WAAS CHANNEL # 77514  
 REFERENCE PATH ID: W30A  
 CHART CIRCLING ICON.  
 LTP HAE: 366.1 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	1559	1	273	1559	1	273	1559	1	273	1559	1	273			
LNAV/VNAV DA	1721	1 1/2	435	1721	1 1/2	435	1721	1 1/2	435	1721	1 1/2	435			
LNAV MDA	1760	1	474	1760	1	474	1760	1 3/8	474	1760	1 1/2	474			
CIRCLING	1820	1	531	1820	1	531	1920	1 3/4	631	1980	2 1/4	691			



**CHANGES - REASONS**

1. CHANGED MISSED APPROACH FROM: "CLIMB TO 3000 DIRECT COGAC AND ON TRACK 309 TO HON VORTAC AND HOLD" TO "CLIMB TO 3000 DIRECT COGAC AND ON TRACK 309.29 TO HON DME AND HOLD" - HON VORTAC IS BEING DECOMMISSIONED AND REPLACED WITH DME ONLY.
2. CHANGED HON FEEDER FROM HON VORTAC TO HON DME - HON VORTAC IS BEING DECOMMISSIONED AND REPLACED WITH DME ONLY.
3. CHANGED CHART NOTE: CIRCLING RWY 17, 35 NA AT NIGHT TO CIRCLING RWY 18, 36 NA AT NIGHT - RWY NUMBERING CHANGED FROM RWYS 17 AND 35 TO 18 AND 36.
4. REMOVED BACK-UP ALTIMETER SETTING NOTE, AND BARO-VNAV NA NOTE - MOVED TO -9 AS A CONTINGENCY NOTE, PRIMARY ALTIMETER IS ON WMSCR.
5. CHANGED FOR UNCOMPENSATED BARO-VNAV NOTE, CHANGED HIGH TEMP FROM 46C TO 54C AND REMOVED F TEMPERATURE VALUES IAW 8260.19H 1-1-5A(9).
6. CRC REMAINDER CHANGED FROM 5C9A8038 TO 8199CC3F- LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM 03662 TO 03661.
7. ADDED IS CLEAR TO 20:1 ON LINE 7 - REQUIRED DOCUMENTATION BY CRITERIA.
8. ADDED CHART CIRCLING ICON UNDER ADDITIONAL FLIGHT DATA - UPDATED TO NEW CIRCLING CRITERIA.
9. ADDED TERMINAL ROUTE CAVOR TO RW30 INFO - PREVIOUS AMDT LEFT OFF FORM, CORRECT DOCUMENTATION ERROR.
10. LINE 2 ADDED MAX 6000 - REVISED CRITERIA.
11. CHANGED TERMINAL ROUTE FROM "RW30 MAP 1552 MSL" TO "RW30 MAP TO 1559 MSL" AND CHANGED TERMINAL ROUTE FROM "1552 MSL TO COGAC" TO "1559 MSL TO COGAC" - LPV DA INCREASED ON AMDT 1A.
12. LINE 6 ADDED CAVOR 3000 TO GP ALT AT FAF - PREVIOUS AMDT LEFT OFF FORM, CORRECT DOCUMENTATION ERROR.
13. CHANGED FAS OBST FROM 1510 TOWER 332149N/0980908W TO 1428 BUILDING 442154N/0981031W - REVISED OBSTACLE DATA.
14. ADDED HELICOPTER CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS.
15. INCORPORATED AMDT 1A AND AMDT 1B P-NOTAMS.
16. IN ADDITIONAL FLIGHT DATA OBS 1397 REMOVED, ROUTE TYPE DESCRIPTION, APPROACH ROUTE QUALIFIER 1 AND APPROACH ROUTE QUALIFIER 2 REMOVED - OBSOLETE FLIGHT DATA, NOT REQUIRED.
17. ADDED ADDITIONAL FLIGHT DATA ENTRY CHART VDP AT 1.33 NM TO RW30\* \*LNAV ONLY - NO 20:1 PENETRATIONS.
18. ADDED TO LINE 5 273 HAT: 0.71 - REVISED CRITERIA.
19. CHANGED LNAV CAT C VISIBILITY FROM 1 1/4 TO 1 3/8 - REVISED CRITERIA.
20. CHANGED CIRCLING CAT C MDA/VISIBILITY/HAA FROM 1820 1 1/2 531 TO 1920 1 3/4 631 - EXPANDED CIRCLING RADII.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMP, AMGR

**FLIGHT CHECKED BY**

JOEL P MURPHY

<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
<b>WARDELL HENNING</b>	FICO	10/16/2020
Oct 26, 2020		

**DEVELOPED BY**

WARDELL HENNING (LORRI DOWNEY)

<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
<b>WARDELL HENNING</b>	AJV-A432	01/29/2020
Oct 26, 2020		

**APPROVED BY**

GEORGE DAVIS

<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
<b>WARDELL HENNING</b>	AJV-A430		MANAGER
Oct 26, 2020			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHON
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	442248.8315N
LTP/FTP LONGITUDE	0981311.0700W
LTP/FTP ELLIPSOIDAL HEIGHT	+03661
FPAP LATITUDE	442343.7765N
FPAP LONGITUDE	0981448.8855W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0552
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8199CC3F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03911
FPAP ORTHOMETRIC HEIGHT	+03911