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.

PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE AIRPORT ID RNAV (GPS) RWY 12 ORIG-B HURON SD KHON **AIRPORT ELEVATION TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 1289 1289 RNAV (GPS) RWY 12 ORIG-A 05/24/2018 7E 1985

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE REQUIRED EFFECTIVE DATE CANCEL/SUSPEND

RNAV 25 FEBRUARY 2021 ROUTINE

25 FEBRUARY 2021 ROUTINE

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-03.										
FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	ALTITUDE	
DAKPE		HEMES		TF	FB	1.00	079.24	8.10	3000	
CAGUX		TESHE		TF	FB	1.00	258.65	17.01	3000	
TULLA		TESHE		TF	FB	1.00	181.19	13.14	3000	
HEMES	IAF	MIMFA	NOPT	TF	FB	1.00	030.88	5.00	3000	
TESHE	IAF	MIMFA	NOPT	TF	FB	1.00	210.98	5.00	3000	
MIMFA	IF/IAF	PUMMI		TF	FB	1.00	120.93	6.06	3000	
PUMMI	FAF	RW12	MAP	TF	FO	0.30	121.00	5.14		
RW12	MAP	1489 MSL		CA			121.00			
1489 MSL		CAVOR		DF	FB	1.00		4		
CAVOR		FARVA		TF	FO	1.00	121.14	6.53	3000	

MISSED APPROACH

MAP:

LPV: DA LNAV/VNAV: DA LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT CAVOR AND ON TRACK 121.14 TO FARVA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

18 CHECKED AIRPORT ID
KHONPROCEDURE NAME
RNAV (GPS) RWY 12ORIGINAL/AMENDMENT
ORIG-BCITY
HURONSTATE
HURON

P	R	<u>O</u>	F	<u>IL</u>	E

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NW MIMFA, RT, 120.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 121.00 FAF: PUMMI DIST FAF TO MAP: 5.14 DIST FAF TO THLD: 5.14

4. MIN ALT: MIMFA 3000, PUMMI 3000

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.47 GS ANT:

6. MIN GP INCPT: 3000 GP ALT AT FAF: PUMMI 3000 OM: MM: IM:

7. GP ANGLE: 3.00 **34:1**: IS CLEAR **20:1**: IS CLEAR **TCH**: 50.0

8. MSA FROM: RW12 3400

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.39 MILES TO RWY12* *LNAV ONLY. CHART CIRCLING ICON HOLD SE, RT, 301.23 INBOUND. FAS OBST: 1524 AAO 442510N/0981843W. WAAS CHANNEL # 70314

WAAS CHANNEL # 70314 REFERENCE PATH ID: W12A

LTP HAE: 367.8 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.

CATEGORY:	Α		В		С			D			E				
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	VIS	HAT/HAA									
LPV DA	1489	1/2	200	1489	1/2	200	1489	1/2	200	1489	1/2	200			
LNAV/VNAV DA	1699	3/4	410	1699	3/4	410	1699	3/4	410	1699	3/4	410			
LNAV MDA	1780	1/2	491	1780	1/2	491	1780	1	491	1780	1	491			
CIRCLING	1820	1	531	1820	1	531	1920	1 3/4	631	1980	2 1/4	691			

AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKHONRNAV (GPS) RWY 12ORIG-BHURONSD

CHANGES - REASONS

- 1. CHANGED BARO-VNAV NOTE- CHANGED HIGH TEMP FROM 46C TO 54C AND REMOVED F TEMPERATURE VALUES IAW 8260.19H 1-1-5A(9).
- 2. DELETED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DAKPE VIA V26 WESTBOUND, AND ARRIVALS AT CAGUX VIA V78 NORTHEAST BOUND, AND ARRIVALS AT TULLA VIA V15 NORTHBOUND HON DECOMMISSIONING.
- 3. CHANGED CHART NOTE: CIRCLING RWY 17, 35 NA AT NIGHT TO CIRCLING RWY 18, 36 NA AT NIGHT RWY NUMBERING CHANGED.
- 4. CRC REMAINDER CHANGED FROM 3106A92F TO E702D5A5 FPAP, LENGTH OFFSET AND LTP ELLIPSOIDAL CHANGED.
- 5. ADDED CA LEG TO MA AND CHANGED MA FROM "CLIMB TO 3000 DIRECT CAVOR AND ON TRACK 121 TO FARVA AND HOLD" TO "CLIMB TO 3000 DIRECT CAVOR AND ON TRACK 121.14 TO FARVA AND HOLD" IAW 8260.58A CHG 1. PARA 3-5-2.
- 6. ADDED IS CLEAR TO 20:1 ON LINE 7 REQUIRED DOCUMENTATION BY CRITERIA.
- 7. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM UPDATED VISCHECK DATA.
- 8. ADDED CHART CIRCLING ICON UNDER ADDITIONAL FLIGHT DATA UPDATED TO NEW CIRCLING CRITERIA.
- 9. CAT C CIRCLING MDA/HAA CHANGED FROM 1820/531 TO 1920/631, VISIBILITY CHANGED FROM 1 1/2 TO 1 3/4 -APPLIED NEW CIRCLING RADII.
- 10. LNAV CAT C VISIBILITY CHANGED FROM 3/4 TO 1 UPDATED VIS CHECK.
- 11. LINE 2 ADDED MAX 6000 REVISED CRITERIA.
- 12. THE 200 HAT: 0.47 LOCATION ON THE FORM CHANGED.
- 13. INCORPORATED ORIG-A P-NOTAM.
- 14. REMOVED ADDITIONAL FLIGHT DATA ENTRY CHART FAS OBST: 1399 TREE 442422N/0981519W NO LONGER REQUIRED.
- 15. LINE 6 ADD 2000 TO GS ALT AT: PUMMI REVISED CRITERIA.
- 16. CHANGED FAS DATA BLOCK LTP ELLIPSOIDAL HEIGHT FROM +03679 TO +03678, FPAP LAT/LONG FROM 442247.92.00N/0981309.4500W TO 442237.7305N/0981251.3185W AND LENGTH OFFSET FROM 0048 TO 0552 REVISED AIRNAY DATA AND TARGETS CALCULATIONS.
- 17. REMOVED SECONDARY ALTIMETER NOTE, SECONDARY ALS NOTE, AND ASSOCIATED VDP AND BARO-VNAV NA NOTES. KHON ON WMSCR. PLACED CONTINGENCY NOTES IN BACK OF -9 FOR RECORD KEEPING.

01/08/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 10/26/2020:

- 1. ADDED DISTANCE TO MISSED APPROACH TF SEGMENT FROM CAVOR TO FARVA IN TERMINAL ROUTES.
- 2. CHANGED PROFILE LINE 6 FROM "PUMMI 2000" TO "PUMMI 3000".
- 3. REMOVED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV CAT D.
- 4. CHANGED CHART NOTE: "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT A/B/C VISIBILITY TO 1 1/8 SM AND LNAV CATS C/D VISIBILITY TO 1 3/8 SM" TO "FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM UPDATED VISCHECK DATA.
- 5. LNAV/VNAV VISIBILITY DECREASED FROM 1 SM TO 3/4 SM NEW INOP VISIBILITY TABLE USED.

Jan 12, 2021

COORDINATED WITH:

A4A APA APA APA	HAI NBAA X	OTHER: ZMP, AMGR			
FLIGHT CHECKED BY JOEL PATRICK MURPHY		Digitally signed by JON DENTON Jan 12, 2021	OFFICE FIOG	DATE 10/16/2020	
<u>DEVELOPED BY</u> WARDELL HENNING (LORRI DOWNEY)	Digitally signed by JON DENTON		OFFICE AJV-A432	DATE 01/08/2020	
alonal barro	Jan 12, 2021 signed by ENTON		OFFICE AJV-A430	DATE	<u>TITLE</u> MANAGER

AIRPORT ID PROCEDURE NAME **ORIGINAL/AMENDMENT** <u>CITY</u> HURON KHON RNAV (GPS) RWY 12 ORIG-B **FAS DATA BLOCK INFORMATION DATA DATA FIELD OPERATION TYPE** 0 SBAS SERVICE PROVIDER IDENTIFIER 0 AIRPORT IDENTIFIER KHON **RUNWAY** RW12 APPROACH PERFORMANCE DESIGNATOR 0 **ROUTE INDICATOR** REFERENCE PATH DATA SELECTOR 0 REFERENCE PATH IDENTIFIER (APPROACH ID) W12A LTP/FTP LATITUDE 442332.6805N LTP/FTP LONGITUDE 0981429.1240W LTP/FTP ELLIPSOIDAL HEIGHT +03678 442237.7305N FPAP LATITUDE

0981251.3185W

00050.0 F

03.00

106.75

LENGTH OFFSET0552HORIZONTAL ALERT LIMIT (HAL)40.0VERTICAL ALERT LIMIT (VAL)35.0

CRC REMAINDER E702D5A5

ADDITIONAL PATH POINT RECORD INFORMATION

FPAP LONGITUDE

GLIDEPATH ANGLE (GPA)

COURSE WIDTH AT THRESHOLD

THRESHOLD CROSSING HEIGHT (TCH)

TCH UNITS SELECTOR (METERS OR FEET USED)

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03928
FPAP ORTHOMETRIC HEIGHT +03928

STATE

SD