

**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> HUL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> HOULTON	<u>STATE</u> ME
<u>AIRPORT ELEVATION</u> 489	<u>TDZE</u> 489	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 03/21/2024
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 FEBRUARY 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 18W
				<u>EPOCH YEAR</u> 2010
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 139/30 CW 319/30	NOPT	139/13 CW 319/13		3300
2. 139/13 CW 319/13		HIBTU	IF/IAF	2500
3. 319/30 CW 049/30		319/10 CW 049/10		2800
4. 319/10 CW 049/10		MUTNY	IAF	2500
5. 049/30 CW 139/30		049/8 CW 139/8		3700
6. 049/8 CW 139/8		TUSTY	IAF	2500

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>
MUTNY	IAF	HIBTU	NOPT	TF	FB	1.00	319.42	6.80	2500
TUSTY	IAF	HIBTU	NOPT	TF	FB	1.00	139.21	6.80	2500
HIBTU	IF/IAF	YUNUK		TF	FB	1.00	229.32	5.00	2200
YUNUK	FAF	RW23	MAP	TF	FO	0.30	229.27	5.23	
RW23	MAP	796 MSL		CA			229.27		
796 MSL		CIYEP		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT CIYEP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NE HIBTU, RT, 229.32 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	229.27	FAF:	YUNUK	DIST FAF TO MAP:	5.23	DIST FAF TO THLD:	5.23							
4.	MIN ALT:	HIBTU 2500, YUNUK 2200													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		307 HAT:	0.82	GS ANT:				
6.	MIN GP INCPT:	2200	GP ALT AT PFAF:	YUNUK 2200					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	45.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 1, 19 NA AT NIGHT.
CHART NOTE: CIRCLING NA FOR CAT C EAST OF RWY 5-23.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PQI ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PQI ALTIMETER SETTING AND INCREASE LPV DA TO 882 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1387 FEET AND ALL VISIBILITIES 1 1/2 SM. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT B/C 1/2 SM, AND CIRCLING VISIBILITY CAT B/C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 049.13 INBOUND.
CHART FAS OBST: 957 TREE 460815N/0674545W.
CHART VDP AT 2.14 NM TO RW23.
WAAS CHANNEL # 66046
REFERENCE PATH ID: W23A
LTP HAE: 125.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A 900-2 1/2, CAT B 1000-2 1/2, CAT C 1000-2 3/4, 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	796	1	307	796	1	307	796	1	307		NA				
LNAV/VNAV DA	1301	2 1/2	812	1301	2 1/2	812	1301	2 1/2	812		NA				
LNAV MDA	1220	1	731	1220	1	731	1220	2	731		NA				
CIRCLING	1320	1 1/4	831	1400	1 1/4	911	1400	2 3/4	911		NA				

CHANGES - REASONS

1. ADDED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PQI ALTIMETER SETTING - ATC REQUEST.
2. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PQI ALTIMETER SETTING AND INCREASE LPV DA TO 882 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1387 FEET AND ALL VISIBILITIES 1 1/2 SM. INCREASE ALL MDA'S 100 FEET AND LNAV VISIBILITY CAT B/C 1/2 SM, AND CIRCLING VISIBILITY CAT B/C 1/4 SM. - ATC REQUEST.



COORDINATED WITH:

A4A

ALPA

AOPA

X

APA

HAI

NBAA

X

OTHER: ZBW, AMGR, NAVCANADA

FLIGHT CHECKED BY

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

Digitally signed by
CASIMIR L TABAKA
Nov 19, 2024

OFFICE

DATE

DEVELOPED BY

JOSEPH L. ZEDER (ROBERT A. SWINSON)

Digitally signed by
CASIMIR L TABAKA
Nov 19, 2024

OFFICE

DATE

APPROVED BY

JOSEPH L. ZEDER

Nov 19, 2024

OFFICE

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHUL
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	460744.1950N
LTP/FTP LONGITUDE	0674712.9555W
LTP/FTP ELLIPSOIDAL HEIGHT	+01256
FPAP LATITUDE	460628.0190N
FPAP LONGITUDE	0674819.3395W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EF9532C1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01491
FPAP ORTHOMETRIC HEIGHT	+01491

