

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
COPTER RNAV (GPS) SPECIAL INSTRUMENT APPROACH PROCEDURE
SPECIFICATION -- NOT FOR COCKPIT USE**

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.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for enroute operations in the particular area or as set forth below.

<u>HELIPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
79ME	COPTER RNAV (GPS) M 035	ORIG	HOULTON	ME		
<u>SURFACE ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
482			NONE		16W	2025
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV						

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>
MAPST		BOWST		TF	FO	1.00	149.94	5.20	3000
BRKLN	IAF	BOWST	NOPT	TF	FB	1.00	035.08	5.07	3000
BOWST	IF/IAF	HRHME		TF	FB	1.00	035.14	3.50	2000
HRHME	FAF	ALICV	MAP	TF	FO	0.30	035.15	2.00	
ALICV	MAP	900 MSL		CA			035.15		900
900 MSL		BOWST		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: ALICV

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 DIRECT BOWST AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- HOLD SW BOWST, LT, 035.14 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 4000.
- FAC: 035.15 FAF: HRHME DIST FAF TO MAP: 2.00 DIST FAF TO THLD:
- MIN ALT: BOWST 3000, HRHME 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1: 20:1: TCH:
- MSA FROM: ALICV 3700



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: NIGHT VISIBILITY MINIMUM 1 SM.
CHART PLANVIEW NOTE: PROCEED VFR FROM ALICV OR CONDUCT THE SPECIFIED MISSED APPROACH.
CHART NOTE: USE OF HOULTON RGNL HOSPITAL REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRKLN ON ZK411 SOUTHBOUND.
CHART NOTE: USE HUL ALTIMETER SETTING.
CHART NOTE: PERIMETER LIGHTS ON REQUEST.
CHART PLANVIEW NOTE: LIMIT FINAL APPROACH SPEED TO MAX 70 KIAS.
CHART SPEED ICON IN PLANVIEW AT HRHME: MAX 70 KIAS.

ADDITIONAL FLIGHT DATA:

CHART HUL ASOS.
CHART BOSTON CENTER FREQUENCY.
CHART: 649 TREE 460748.36N/0674903.25W.
CHART: 659 TREE 460750.49N/0674900.19W.
CHART: 639 TREE 460748.35N/0674904.86W.
CHART: 629 TREE 460747.93N/0674906.09W.
CHART: 619 TREE 460748.09N/0674907.64W.

CHART FAS OBST: 602 VEGETATION 460554N/0675033W.
CHART 728 TOWER (23-039726) 460520N/0675027W.
79ME, 393.0, 35.16/0.75

MINIMUMS:

ALTERNATE: NA ☒

CATEGORY:	COPTER														
FINAL TYPE	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS
LNAV MDA	860	3/4	378		NA			NA			NA				

CHANGES - REASONS

ORIGINAL PROCEDURE.

<u>HELIPORT ID</u> 79ME	<u>PROCEDURE NAME</u> COPTER RNAV (GPS) M 035	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> HOULTON	<u>STATE</u> ME
<u>SUBMITTED BY</u>		<u>OFFICE</u>	<u>DATE</u>	
<u>FLIGHT CHECKED BY</u> TERRY HESTER		<u>OFFICE</u> AJF	<u>DATE</u> 10/23/2024	
<u>DEVELOPED BY</u> MICHAEL MCCARTNEY	<i>Digitally signed by</i> CASIMIR L TABAKA Oct 28, 2024	<u>OFFICE</u> AJV-A431	<u>DATE</u> 04/05/2024	
<u>RECOMMENDED BY</u> ERIC N SUSKI	<i>Digitally signed by</i> ERIC N SUSKI May 01, 2024	<u>OFFICE</u> AJV-A431	<u>DATE</u>	<u>TITLE</u> MANAGER
<u>APPROVED BY</u>	<i>Digitally signed by</i> CASIMIR L TABAKA Oct 31, 2024	<u>OFFICE</u> AFS-400	<u>DATE</u>	<u>TITLE</u>



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>HELIPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
79ME	COPTER RNAV (GPS) M 035	ORIG	HOULTON	ME	482	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM MAPST **TO** BOWST

RNP 1.00 **DISTANCE** 5.20 **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>
AAO	460430.00N/0680033.00W	1428	215	8	4B	1000				AT572	3000
TERRAIN	460430.00N/0680033.00W	1227 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM BRKLN **TO** BOWST

RNP 1.00 **DISTANCE** 5.07 **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 (23-000531)	460212.50N/0675122.00W	1088	500	50	5D	1000				AT912	3000
TERRAIN	460203.00N/0675600.00W	643 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

BOWST (IF/IAF)

TO

HRHME

RNP

1.00

DISTANCE

3.50

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (23-000531)	460212.50N/0675122.00W	1088	500	50	5D	500				AT412	2000
TERRAIN	460221.00N/0675027.00W	800 (800)								AS1000	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

HRHME

TO

ALICV

RNP

0.30

DISTANCE

2.00

PAT

MAP

ALICV

HAT

378

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
VEGETATION	460554.00N/0675033.00W	602	215	8	4B	250					860

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

BOWST

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<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 (23-000531)	460212.50N/0675122.00W	1088	500	50	5D	1000				AT912	3000
TERRAIN	460312.00N/0680003.00W	869 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

ALICV

TO

BOWST

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 760			
<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				3000
TOWER (23-000531)	460212.50N/0675122.00W	1088	500	50	5D	1000					2100
TERRAIN	460212.00N/0675121.00W	761 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MSA

CENTER

ALICV

RADIUS

25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	AAO	460633.00N/0682842.00W	284	26.3	2641	215	8	4B	1000			3700

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZBW ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	HUL	24	HUL	2.31	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	MLT	24	MLT	45.82	Y	107

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
79ME 393, HUL 484
RA = 0.0.
DISTANCE TO ALICV = 2.37 NM
79ME 393, MLT 408
RA = 106.1
DISTANCE TO ALICV = 45.18 NM

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
01H		H-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☐	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

659 TREE 460750.49N/0674900.19W (49.0)	649 TREE 460748.36N/0674903.25W (39.0)
639 TREE 460748.35N/0674904.86W (29.0)	629 TREE 460747.93N/0674906.09W (19.0)
619 TREE 460748.09N/0674907.64W (9.0)	

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - POINT-IN-SPACE PROCEDURE.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE MLT ALTIMETER SETTING AND INCREASE MDA 120 FT.
100 FT MAXIMUM VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST.
HOLDING PATTERN SECONDARY AREA CROSSES CANADIAN BORDER; NAVCANADA DOES NOT HAVE ANY ISSUES WITH THIS PER NAVCANADA MONCTON ATC. POC: MICHAEL OXNER, MICHAEL.OXNER@NAVCANADA.CA.
WAIVER ON FILE: AFS-400 MEMO "WAIVER TO FAA ORDER 8260.46, DEPARTURE PROCEDURE (DP) PROGRAM, OBSTACLE DEPARTURE PROCEDURE (ODP) REQUIREMENTS" DATED 05/11/2023.

ORDER 8260.3 CHAPTER 2 APPLIED TO 728 TOWER (23-039726) 460519.86N/0675027.42W.

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	MAP	TO 1000FT POINT	0.67
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	019.15
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	MAP	TO 1500FT POINT	4.10
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	019.14
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)
ARP COORDINATES
RUNWAY APCH END AND DIST FURTHEST FROM ARP
FAF COORDINATES
FIX NAME COORDINATES

460528.26N/0675153.11W
MAP ALICV 460721.59N/0675056.51W

REMARKS

POINT-IN-SPACE PROCEDURE.
MAP ALICV: 460721.58N/0675056.51W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
MICHAEL MCCARTNEY	AJV-A431	04/05/2024	AERONAUTICAL INFORMATION SPECIALIST

