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.

HELIPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME

SURFACE ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
177			NONE		15W	2025

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

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TOBKE		JURLI		TF	FO	1.00	088.66	25.64	2000
PHIGG	IAF	JURLI	NOPT	TF	FB	1.00	269.23	11.33	2000
SATLY	IAF	JURLI	NOPT	TF	FB	1.00	192.50	10.60	2000
JURLI	IF/IAF	HABBA		TF	FB	1.00	192.51	4.83	2000
HABBA	FAF	CESHL	MAP	TF	FO	0.30	192.51	4.00	
CESHL	MAP	720 MSL		CA			192.51		
720 MSL		JURLI		DF	FO	1.00			2000

MISSED APPROACH

MAP:
LNAV: CESHL

MISSED APPROACH INSTRUCTIONS:
CLIMBING LEFT TURN TO 2000 DIRECT JURLI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD N JURLI, RT, 192.51 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 3000.
3. **FAC:** 192.51 **FAF:** HABBA **DIST FAF TO MAP:** 4.00 **DIST FAF TO THLD:**
4. **MIN ALT:** JURLI 2000, HABBA 2000
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
6. **MIN GP INCPT:** **GP ALT AT FAF:** **OM:** **MM:** **IM:**
7. **GP ANGLE:** **34:1:** **20:1:** **TCH:**
8. **MSA FROM:** CESHL 2400

QUALITY 16 CHECKED

HELIPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: NIGHT VISIBILITY MINIMUM 1 SM.
CHART NOTE: USE OF ST ANDREWS LZ REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.
CHART PLANVIEW NOTE: PROCEED VFR FROM CESHL OR CONDUCT THE SPECIFIED MISSED APPROACH.
CHART NOTE: USE IWI ALTIMETER SETTING; WHEN NOT RECEIVED, USE RKD ALTIMETER SETTING AND INCREASE MDA 60 FEET.
CHART PLANVIEW NOTE: LIMIT FINAL APPROACH SPEED TO MAX 70 KIAS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATLY ON ZK411 EASTBOUND, AND ZK412 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PHIGG ON ZK420 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TOBKE ON ZK411 WESTBOUND, ZK415 SOUTHBOUND, AND ZK420 SOUTHWEST BOUND.
CHART SPEED ICON IN PLANVIEW AT HABBA: MAX 70 KIAS.

ADDITIONAL FLIGHT DATA:

CHART: IWI ASOS.
FAS OBST: 443 AAO 435251N/0693733W.
61ME, 10.0, 192.71/0.30

MINIMUMS:

ALTERNATE: NA [X]

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	720	3/4	543		NA			NA			NA				

CHANGES - REASONS

1. ORIGINAL PROCEDURE.

11/26/24: THIS IS AN UPDATED COPY OF THE FORM APPROVED ON 10/31/24.
1. CHANGED AIRPORT CITY FROM BOOTHBAY TO BOOTHBAY HARBOR. - UPDATED ASSOCIATED CITY IN NASR.
2. NOTES, CHANGED CHART NOTE FROM "USE IWI ALTIMETER SETTING" TO "USE IWI ALTIMETER SETTING; WHEN NOT RECEIVED, USE RKD ALTIMETER SETTING AND INCREASE MDA 60 FEET". - BOSTON CENTER REQUESTS CONTINGENCY ALTIMETER NOTES BE CHARTED.
3. CHANGED TERMINAL ROUTES TOBKE TO JURLI SEGMENT WAYPOINT TYPE FROM FB TO FO. - SEGMENT JOINS THE HILPT.

Digitally signed by
ERIC N SUSKI
Dec 06, 2024

QUALITY 16 CHECKED

HELIPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME

SUBMITTED BY		OFFICE	DATE	
FLIGHT CHECKED BY TERRY LEE HESTER	*Digitally signed by* ***ERIC N SUSKI*** Dec 06, 2024	OFFICE AJF	DATE 10/22/2024	
DEVELOPED BY MICHAEL MCCARTNEY	*Digitally signed by* ***MICHAEL A MCCARTNEY*** Nov 26, 2024	OFFICE AJV-A431	DATE 04/30/2024	
RECOMMENDED BY		OFFICE	DATE	TITLE
APPROVED BY ERIC N SUSKI	*Digitally signed by* ***ERIC N SUSKI*** Dec 06, 2024	OFFICE AJV-A431	DATE	TITLE MANAGER

QUALITY 16 CHECKED

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

HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME	177	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM	TO
TOBKE	JURLI

RNP	DISTANCE	PAT	MAP	HAS	HMAS
1.00	25.64				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	435409.00N/0701054.00W	686	215	8	4B	1000					1700
TERRAIN	435409.00N/0701054.00W	485 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
PHIGG	JURLI

RNP	DISTANCE	PAT	MAP	HAS	HMAS
1.00	11.33				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (23-000281)	440129.80N/0693417.56W	550	50	20	2C	1000				AT450	2000
TERRAIN	440051.00N/0692548.00W	301 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:

HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME	177	RNAV

INITIAL

FROM	TO
SATLY	JURLI

RNP	DISTANCE	PAT	MAP	HAS	HMAS
1.00	10.60				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	440724.00N/0694051.00W	643	215	8	4B	1000				AT357	2000
TERRAIN	440721.00N/0694054.00W	442 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
JURLI (IF/IAF)	HABBA

RNP	DISTANCE	PAT	MAP	HAS	HMAS
1.00	4.83				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	435712.00N/0693618.00W	519	215	8	4B	500				AT981	2000
TERRAIN	435712.00N/0693618.00W	318 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:

HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME	177	RNAV

FINAL: LNAV

FROM	TO
HABBA	CESHL

RNP	DISTANCE	PAT	MAP	HAS	HMAS
0.30	4.00		CESHL	543	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	435251.00N/0693733.00W	443	215	8	4B	250				RA25	720

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL SEGMENT SPEED LIMITED TO MAXIMUM SPEED 70 KIAS DUE TO THE DISTANCE FROM THE MAP (FIX CESHL) TO THE LANDING AREA IS LESS THAN 0.90 NM.

HOLD-IN-LIEU OF PT

FROM	TO
JURLI	P-4

RNP	DISTANCE	PAT	MAP	HAS	HMAS
		P-4			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	440721.00N/0694054.00W	643	215	8	4B	1000				AT357	2000
TERRAIN	440721.00N/0694054.00W	442 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME	177	RNAV

MISSED APPROACH: LNAV

FROM	TO
CESHL	JURLI

RNP	DISTANCE	PAT	MAP	HAS	HMAS
0.30-1.00					595

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
AAO	435712.00N/0693618.00W	519	215	8	4B	1000					1600
TERRAIN	435712.00N/0693618.00W	318 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:

MSA

CENTER	RADIUS
CESHL	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (23-000043)	440915.00N/0700035.00W	333	24.1	1399	250	50	4D	1000			2400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME	177	RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZBW ARTCC, PWM APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	IWI	24	IWI	7.39	Y	25

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	RKD	24	RKD	26.47	Y	67

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
61ME 10, IWI 70, DIST 7.12 NM
RA = 24.8.
61ME 10, RKD 55, DIST 26.37 NM
RA=67.0
DISTANCES ARE FROM RASS TO FIX CESHL.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
01H	H-P	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH

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

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
61ME	COPTER RNAV (GPS) M 193	ORIG	BOOTHBAY HARBOR	ME	177	RNAV

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - POINT-IN-SPACE PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PROCEED VFR SEGMENT SURFACE IS CLEAR.
100 FT VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST.
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.

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**	1.33
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	177.51
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	200
DISTANCE FROM	MAP	**TO 1500FT POINT**	3.40
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	1.57
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	177.51
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	200

THRESHOLD COORDINATES (IF STR-IN)
HRP COORDINATES 435102.26N/0693816.90W
RUNWAY APCH END AND DIST FURTHEST FROM ARP
FAF COORDINATES 435520.08N/0693832.28W
FIX NAME COORDINATES MAP CESHL 435120.29N/0693817.90W

REMARKS

POINT-IN-SPACE PROCEDURE.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
MICHAEL MCCARTNEY	AJV-A431	04/30/2024	AERONAUTICAL INFORMATION SPECIALIST