

**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.

<b>HELIPORT ID</b> 61ME	<b>PROCEDURE NAME</b> COPTER RNAV (GPS) M 193	<b>ORIGINAL/AMENDMENT</b> ORIG	<b>CITY</b> BOOTHBAY HARBOR	<b>STATE</b> ME
<b>SURFACE ELEVATION</b> 177	<b>TDZE</b>	<b>SUPERSEDED</b>	<b>DATED</b>	<b>MAG VAR</b> 15W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b>	<b>EPOCH YEAR</b> 2025
				<b>CANCEL/SUSPEND</b>

**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:**

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



**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 CESH 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

<u>CATEGORY:</u>	<u>COPTER</u>														
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAS</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAS</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAS</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAS</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAS</u>
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.



HELIPORT ID  
61ME

PROCEDURE NAME  
COPTER RNAV (GPS) M 193

ORIGINAL/AMENDMENT  
ORIG

CITY  
BOOTHBAY HARBOR

STATE  
ME

SUBMITTED BY

OFFICE

DATE

FLIGHT CHECKED BY  
TERRY LEE HESTER

**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

OFFICE  
AJV-A431

DATE

TITLE  
MANAGER



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

<u>HELIPORT ID</u> 61ME	<u>PROCEDURE NAME</u> COPTER RNAV (GPS) M 193	<u>AMDT NO.</u> ORIG	<u>CITY</u> BOOTHBAY HARBOR	<u>STATE</u> ME	<u>AIRPORT ELEVATION</u> 177	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

<u>FROM</u> TOBKE	<u>TO</u> JURLI
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<u>RNP</u> 1.00	<u>DISTANCE</u> 25.64	<u>PAT</u>	<u>MAP</u>	<u>HAS</u>	<u>HMAS</u>
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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**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**

**INITIAL**

<u>FROM</u> PHIGG	<u>TO</u> JURLI
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<u>RNP</u> 1.00	<u>DISTANCE</u> 11.33	<u>PAT</u>	<u>MAP</u>	<u>HAS</u>	<u>HMAS</u>
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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**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**



**HELIPORT ID**  
61ME

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 193

**AMDT NO.**  
ORIG

**CITY**  
BOOTHBAY HARBOR

**STATE**  
ME

**AIRPORT ELEVATION**  
177

**FACILITY**  
RNAV

**INITIAL**

**FROM**  
SATLY

**TO**  
JURLI

**RNP**  
1.00

**DISTANCE**  
10.60

**PAT**

**MAP**

**HAS**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
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**  
JURLI (IF/IAF)

**TO**  
HABBA

**RNP**  
1.00

**DISTANCE**  
4.83

**PAT**

**MAP**

**HAS**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
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**  
61ME

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 193

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ORIG

**CITY**  
BOOTHBAY HARBOR

**STATE**  
ME

**AIRPORT ELEVATION**  
177

**FACILITY**  
RNAV

**FINAL: LNAV**

**FROM**  
HABBA

**TO**  
CESHL

**RNP**  
0.30

**DISTANCE**  
4.00

**PAT**

**MAP**  
CESHL

**HAS**  
543

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
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**  
JURLI

**TO**  
P-4

**RNP**

**DISTANCE**

**PAT**  
P-4

**MAP**

**HAS**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
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**  
61ME

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 193

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ORIG

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BOOTHBAY HARBOR

**STATE**  
ME

**AIRPORT ELEVATION**  
177

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV**

**FROM**  
CESHL **TO**  
JURLI

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAS**

**HMAS**  
595

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							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

<b>SECTOR</b>	<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>BEARING</b>	<b>DISTANCE</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
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:**



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BOOTHBAY HARBOR

**STATE**  
ME

**AIRPORT ELEVATION**  
177

**FACILITY**  
RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZBW ARTCC, PWM APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	IWI	24	IWI	7.39	Y	25
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
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 CESH.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>			
01H			
<b>RUNWAY MARKINGS</b>			
H-P			
<b>RUNWAY VISUAL RANGE</b>			

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	FT FROM CENTERLINE	

**CRITICAL TEMPERATURES**

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>

**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:**

	<b>QUALITY</b>
	16
	<b>CHECKED</b>



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AMDT NO.  
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STATE  
ME

AIRPORT ELEVATION  
177

FACILITY  
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**

<b>DISTANCE FROM</b>	MAP	<b>TO 1000FT POINT</b>	1.33
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	177.51
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	200
<b>DISTANCE FROM</b>	MAP	<b>TO 1500FT POINT</b>	3.40
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1500FT POINT</b>	1.57
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	177.51
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	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 CESH 435120.29N/0693817.90W

**REMARKS**

POINT-IN-SPACE PROCEDURE.

**PART E: PREPARED BY**

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

