

**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> 35ME	<b>PROCEDURE NAME</b> COPTER RNAV (GPS) M 178	<b>ORIGINAL/AMENDMENT</b> 2	<b>CITY</b> MATINICUS ISLAND	<b>STATE</b> ME
<b>SURFACE ELEVATION</b> 59	<b>TDZE</b>	<b>SUPERSEDED</b> COPTER RNAV (GPS) 178	<b>DATED</b> 06/20/2019	<b>MAG VAR</b> 16W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b>	<b>EPOCH YEAR</b> 2010
				<b>CANCEL/SUSPEND</b>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PHIGG	IAF	CEDAP		TF	FB	0.30	121.20	20.67	1700
HUVIR	IAF	CEDAP		TF	FB	0.30	191.47	10.83	1700
VYNAL	IAF	CEDAP		TF	FB	0.30	219.84	14.75	1700
CEDAP	IF	DUCEB		TF	FB	0.30	177.97	3.00	1200
DUCEB	FAF	ELLAC	MAP	TF	FO	0.30	177.99	2.00	
ELLAC	MAP	540 MSL		CA			177.99		
540 MSL		CEDAP		DF	FO	1.00			1700

**MISSED APPROACH**

**MAP:**

LNAV: ELLAC

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 1700 DIRECT CEDAP AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CEDAP
- FAC: 177.99 FAF: DUCEB DIST FAF TO MAP: 2.00 DIST FAF TO THLD:
- MIN ALT: CEDAP 1700, DUCEB 1200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:
- MIN GP INCPT: GP ALT AT FAF: MM: IM:
- GP ANGLE: 34:1 20:1 TCH:
- MSA FROM: ELLAC 2600



**PBN REQUIREMENTS NOTE:**

RNP 0.3 - GPS. AP.

**NOTES:**

CHART PLANVIEW NOTE: PROCEED VFR FROM ELLAC OR CONDUCT THE SPECIFIED MISSED APPROACH.  
CHART NOTE: USE OF MATINICUS ISLAND REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.  
CHART NOTE: NIGHT VISIBILITY MINIMUM 1 SM.  
CHART NOTE: PROCEDURE NOT CONTAINED WITHIN CONTROLLED AIRSPACE  
CHART NOTE: LIGHTS CONTROLLED BY PHOTOCELL OR PRIOR ARRANGEMENT.  
CHART NOTE: USE RKD ALTIMETER SETTING.  
CHART PLANVIEW NOTE: LIMIT FINAL APPROACH SPEED TO MAX 70 KIAS

CHART SPEED ICON IN PLANVIEW AT CEDAP: MAX 70 KIAS.

**ADDITIONAL FLIGHT DATA:**

CHART: RKD AWOS.

HOLD N, LT, 177.99 INBOUND.  
CHART FAS OBST: 238 SHIP 435322N/0685346W.  
MATINICUS ISLAND, 35ME, 45.0, 177.99/0.65

**MINIMUMS:**

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

**ALTERNATE:** NA

<b><u>CATEGORY:</u></b>	<b>COPTER</b>														
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAS</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAS</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAS</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAS</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAS</u></b>
LNAV MDA	540	3/4	481		NA			NA			NA				



**CHANGES - REASONS**

1. TERMINAL ROUTES DELETED INITIAL AKACO TO CEDAP – INITIAL LEG DELETED AND REPLACED WITH NEW INITIAL PHIGG TO CEDAP PER FPT & LIFEFLIGHT OF MAINE REQUEST TO CONNECT IAP TO LOW-LEVEL HELICOPTER ROUTE
2. TERMINAL ROUTES DELETED INITIAL BUBRE TO CEDAP - INITIAL LEG DELETED AND REPLACED WITH NEW INITIAL VYNAL TO CEDAP PER FPT & LIFEFLIGHT OF MAINE REQUEST TO CONNECT IAP TO LOW-LEVEL HELICOPTER ROUTE
3. TERMINAL ROUTES ADDED INITIAL HUVIR TO CEDAP – PER FPT & LIFEFLIGHT OF MAINE REQUEST TO CONNECT IAP TO LOW-LEVEL HELICOPTER ROUTE
4. TERMINAL ROUTES ADDED INITIAL PHIGG TO CEDAP - PER FPT & LIFEFLIGHT OF MAINE REQUEST TO CONNECT IAP TO LOW-LEVEL HELICOPTER ROUTE
5. TERMINAL ROUTES ADDED INITIAL VYNAL TO CEDAP - PER FPT & LIFEFLIGHT OF MAINE REQUEST TO CONNECT IAP TO LOW-LEVEL HELICOPTER ROUTE
6. TERMINAL ROUTES MISSED CA LEG ALTITUDE CHANGED FROM 520 TO 540 – NEW MDA DUE TO RASS ADJUSTMENT INCREASE FROM 32 TO 34 IAW 8260.58C 3-5-2.B.
7. PROFILE VIEW LINE 4 MIN ALT CHANGED FROM CEDAP 3000 TO CEDAP 1700 – PER FPT & LIFEFLIGHT OF MAINE REQUEST FOR REDESIGNED INITIAL LEGS TO CONNECT TO LOW-LEVEL HELICOPTER ROUTE
8. MINIMUMS MDA/HAS CHANGED FROM 520/461 TO 540/481 – RA ADJUSTMENT CHANGED FROM 32 TO 34
9. MISSED APPROACH INSTRUCTIONS CHANGED FROM “CLIMBING RIGHT TURN TO 3000 DIRECT AKACO AND HOLD” TO “CLIMBING LEFT TURN TO 1700 DIRECT CEDAP AND HOLD” – PER FPT REQUEST FOR MISSED REDESIGN
10. TERMINAL ROUTES INTERMEDIATE CEDAP TO DUCEB RNP CHANGED FROM 1.0 TO 0.3 – PER 8260.58C 3-1-4
11. PBN REQUIREMENTS NOTE CHANGED FROM RNP APCH TO RNP 0.3 - GPS, AP. – PER 8260.19J 8-6-8
12. NOTES REMOVED “CHART PLANVIEW NOTE: INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE; MAINTAIN 90 KIAS WHILE IN HOLDING” – NO LONGER REQUIRED
13. NOTES CHANGED FROM “CHART PLANVIEW NOTE: LIMIT FINAL AND MISSED APPROACH TO 70 KIAS” TO “CHART PLANVIEW NOTE: LIMIT FINAL APPROACH SPEED TO MAX 70 KIAS.” – PER 8260.19J 8-6-10, 70 KIAS REQUIRED DUE TO LESS THAN 0.9 NM DISTANCE FROM MAP TO LANDING AREA
14. NOTES ADDED “CHART NOTE: NIGHT VISIBILITY MINIMUM 1 SM” – REQUIRED PER 8260.3E 12-3-3.C
15. ADDITIONAL FLIGHT DATA MISSED HOLDING CHANGED FROM “HOLD SE, RT, 327.33 INBOUND” TO “HOLD N, LT, 177.99 INBOUND” – MISSED APPROACH REDESIGNED PER FPT & LIFEFLIGHT OF MAINE REQUEST, HOLDING NOW OVER CEDAP WITH NEW HOLDING PATTERN
16. PROCEDURE NAME CHANGED FROM COPTER RNAV (GPS) 178 TO COPTER RNAV (GPS) M 178 – PROCEDURE SUFFIX ADDED FOR NON-PART 97 PROCEDURE IAW 8260.3E 1-6-5.
17. NOTES ADDED “CHART NOTE: PROCEDURE NOT CONTAINED WITHIN CONTROLLED AIRSPACE” – REQUIRED PER 8260.19J 4-1-3.E AND PER IFF REQUEST CHECKLIST.
18. NOTES CHANGED FROM “CHART NOTE: USE KNOX COUNTY RGNL ALTIMETER SETTING” TO “CHART NOTE: USE RKD ALTIMETER SETTING” – IAW 8260.19J 8-6-10F(6).
19. ADDITIONAL FLIGHT DATA CHANGED FROM “CHART: KNOX COUNTY RGNL AWOS” TO “CHART: RKD AWOS” – IAW 8260.19J 8-6-10F(6).

**SUBMITTED BY**

**OFFICE**

**DATE**

**FLIGHT CHECKED BY**

*Digitally signed by*

**OFFICE**

**DATE**

TERRY HESTER

**ERIC N SUSKI**

AJF

10/22/2024

Oct 25, 2024

**DEVELOPED BY**

*Digitally signed by*

**OFFICE**

**DATE**

CHARLES HIRST

**CHARLES HIRST**

AJV-A431

07/10/2024

Aug 24, 2024

**RECOMMENDED BY**

*Digitally signed by*

**OFFICE**

**DATE**

**TITLE**

ERIC N SUSKI

**ERIC N SUSKI**

AJV-A431

MANAGER

Oct 25, 2024

**APPROVED BY**

*Digitally signed by*  
**CASIMIR L TABAKA**

**OFFICE**

**DATE**

**TITLE**

Oct 31, 2024



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

<u>HELIPORT ID</u> 35ME	<u>PROCEDURE NAME</u> COPTER RNAV (GPS) M 178	<u>AMDT NO.</u> 2	<u>CITY</u> MATINICUS ISLAND	<u>STATE</u> ME	<u>AIRPORT ELEVATION</u> 59	<u>FACILITY</u> RNAV
----------------------------	--	----------------------	---------------------------------	--------------------	--------------------------------	-------------------------

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**  
**FROM** PHIGG **TO** CEDAP

RNP 0.30      DISTANCE 20.67      PAT      MAP      HAT      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	440218.00N/0691703.00W	394	215	8	4B	1000					1400
TERRAIN	440218.00N/0691703.00W	193 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL**  
**FROM** HUVIR **TO** CEDAP

RNP 0.30      DISTANCE 10.83      PAT      MAP      HAT      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	440651.00N/0685627.00W	286	215	8	4B	1000				AT414	1700
TERRAIN	440651.00N/0685627.00W	85 (100)								AS1500	1600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**HELIPORT ID**  
35ME

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 178

**AMDT NO.**  
2

**CITY**  
MATINICUS ISLAND

**STATE**  
ME

**AIRPORT ELEVATION**  
59

**FACILITY**  
RNAV

**INITIAL**

**FROM**  
VYNAL

**TO**  
CEDAP

**RNP**  
0.30

**DISTANCE**  
14.75

**PAT**

**MAP**

**HAT**

**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>
WINDMILL (23-020129)	440533.23N/0685158.73W	579	500	50	5D	1000					1600
TERRAIN	440539.00N/0685157.00W	187 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE**

**FROM**  
CEDAP

**TO**  
DUCEB

**RNP**  
0.30

**DISTANCE**  
3.00

**PAT**

**MAP**

**HAT**

**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>
SHIP	435602.78N/0685545.33W	238	50	20	2C	500				AT462	1200
TERRAIN	435621.53N/0685527.10W	0 (0)								AS1000	1000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



HELIPORT ID  
35ME

PROCEDURE NAME  
COPTER RNAV (GPS) M 178

AMDT NO.  
2

CITY  
MATINICUS ISLAND

STATE  
ME

AIRPORT ELEVATION  
59

FACILITY  
RNAV

FINAL: LNAV

FROM  
DUCEB

TO  
ELLAC

RNP  
0.30

DISTANCE  
2.00

PAT

MAP  
ELLAC

HAT  
481

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP	435322.29N/0685346.39W	238	50	20	2C	250				RA34	540

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM  
ELLAC

TO  
CEDAP

RNP  
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS  
406

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1700
SHIP	435322.29N/0685346.39W	238	50	20	2C	1000					1300
TERRAIN	435103.00N/0685415.00W	101 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

MSA

CENTER  
ELLAC

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	441427.00N/0690403.00W	357	22.6	1571	215	8	4B	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



**HELIPORT ID**  
35ME

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 178

**AMDT NO.**  
2

**CITY**  
MATINICUS ISLAND

**STATE**  
ME

**AIRPORT ELEVATION**  
59

**FACILITY**  
RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

PWM APP CON

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> RKD	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> RKD	<u>DISTANCE</u> 13.67	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 34
-------------------------------	------------------------	----------------------------	--------------------------------	--------------------------	-----------------------	--------------------------

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
---------------------------	-----------------	----------------------	-------------------------	-----------------	------------------	--------------------

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
ELLAC SFC ELE 59, KRKD 55.4  
RA = 33.2.  
DISTANCE PDF EDITED TO DISPLAY THE DISTANCE FROM ELLAC TO SOURCE.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
-----------------------	----------------------	----------------------	------------

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18		
RW36		
01H		

<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**



**HELIPORT ID**  
35ME

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 178

**AMDT NO.**  
2

**CITY**  
MATINICUS ISLAND

**STATE**  
ME

**AIRPORT ELEVATION**  
59

**FACILITY**  
RNAV

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

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

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - POINT IN SPACE PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION HEIGHT USED.  
MAX SHIP HEIGHT OF 238 FT OVER WATER USED FOR CRUISE SHIPS.  
POC: LIFEFLIGHT OF MAINE- DAVID BURR: 207-462-3622.  
K35ME DOES NOT HAVE A LOCAL ALTIMETER SOURCE.  
5280 FT PROCEED VFR SURFACE AREA CLEAR.

**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>	161.99
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	0
<b>DISTANCE FROM</b>	MAP	<b>TO 1500FT POINT</b>	3.6
<b>WIDTH OF</b>	INTERMEDIATE	<b>SEGMENT AT 1500FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	161.97
<b>HIGH TERRAIN IN</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	0

**THRESHOLD COORDINATES (IF STR-IN)**

<b>ARP COORDINATES</b>	435217.16N/0685336.80W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	RUNWAY 36 DISTANCE 0.14 NM
<b>FAF COORDINATES</b>	435455.93N/0685448.59W
<b>FIX NAME COORDINATES</b>	IF CEDAP 435747.12N/0685605.65W

**REMARKS**

MAP ELLAC: 435301.80N/0685357.29W

**PART E: PREPARED BY**

<b>NAME</b>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
CHARLES HIRST	AJV-A431	07/10/2024	AERONAUTICAL INFORMATION SPECIALIST

