

**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> 1ME2	<u>PROCEDURE NAME</u> COPTER RNAV (GPS) M 351	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WATERVILLE	<u>STATE</u> ME		
<u>SURFACE ELEVATION</u> 270	<u>THRE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TOLLY	IAF	CLBEE	NOPT	TF	FB	1.00	035.93	4.60	2300
OLFIR	IAF	CLBEE	NOPT	TF	FB	1.00	306.03	4.68	2300
CLBEE	IF/IAF	DALLE		TF	FB	1.00	351.00	3.00	2000
DALLE	FAF	WAMED	MAP	TF	FO	0.30	350.98	2.63	
WAMED	MAP	560 MSL		CA			350.98		
560 MSL		CLBEE		DF	FO	1.00			2300

**MISSED APPROACH**

**MAP:**

LNAV: WAMED

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 2300 DIRECT CLBEE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
- 2. HOLD S CLBEE, RT, 351.00 INBOUND, 2300 FT. IN LIEU OF PT (IF/IAF), MAX 4000.
- 3. **FAC:** 350.98                      **FAF:** DALLE                      **DIST FAF TO MAP:** 2.63                      **DIST FAF TO THLD:**
- 4. **MIN ALT:**    CLBEE 2300, DALLE 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:**    WAMED 3400

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART PLANVIEW NOTE: PROCEED VFR FROM WAMED OR CONDUCT THE SPECIFIED MISSED APPROACH.  
 CHART NOTE: USE OF MAINE GENERAL MEDICAL CENTER-WATERVILLE REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.  
 CHART PLANVIEW NOTE: LIMIT FINAL AND MISSED APPROACH TO 70 KNOTS.  
 CHART PLANVIEW NOTE: INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE; MAINTAIN 90 KIAS WHILE IN HOLDING.  
 CHART NOTE: USE WATERVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE NORRIDGEWOCK ALTIMETER SETTING AND INCREASE MDA 60 FT.  
 CHART PLANVIEW NOTE: LIMIT INITIAL AND INTERMEDIATE APPROACH TO 90 KIAS,

**ADDITIONAL FLIGHT DATA:**

CHART: WATERVILLE ROBERT LAFLEUR AWOS-3PT.  
 473 AAO 443139N/0693542W.  
 CHART: KWVL.  
 CHART: 507 TOWER 443338.00N/0694016.00W  
 CHART: 499 TREE 443338.91N/0693957.87W  
 CHART: 481 SPIRE 443350.69N/0693946.93W  
 CHART: 409 TREE 443433.09N/0693846.77W  
 CHART: 316 BUILDING 443351.90N/069/3934.50W  
 CHART FAS OBST: 332 STACK (23-000457) 443312N/0693721W.  
 MAINE GENERAL MEDICAL CENTER-WATERVILLE, 1ME2, 112.0, 350.97/0.65

**MINIMUMS:**

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

ALTERNATE: NA

CATEGORY:	COPTER															
	FINAL TYPE	DA/MDA	VIS	HAS/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	560	3/4	290		NA			NA			NA					



**CHANGES - REASONS**

ORIGINAL PROCEDURE

06/02/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/01/2023.

1. PROCEDURE NAME CHANGED FROM M 336 TO M 351 - MAGVAR UPDATE.
2. CHANGED MAGVAR FROM 00W TO 15W - CORRECT ADMINISTRATIVE ERROR.
3. INCREASED ALL COURSES 15 DEGREES - MAGVAR UPDATE.
4. CHANGED ALTIMETER NOTE FROM USE WATERVILLE ALTIMETER SETTING TO USE WATERVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE NORRIDGEWOCK ALTIMETER SETTING AND INCREASE MDA 60 FT - AIR AMBULANCE PROCEDURE AND MORE PRUDENT TO HAVE ALTERNATE ALTIMETER READILY AVAILABLE THAN VIA NOTAM.

**SUBMITTED BY**

**OFFICE**

**DATE**

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

TERRY HESTER

FPO

10/04/2023

**DEVELOPED BY**

*Digitally signed by*  
**WILLIAM D MELTON**  
Jun 13, 2023

**OFFICE**

**DATE**

WILLIAM D. MELTON

AJV-A423

01/11/2023

**RECOMMENDED BY**

**OFFICE**

**DATE**

**TITLE**  
MANAGER

MARLON J. ROBINSON

AJV-A420

**APPROVED BY**

**OFFICE**

**DATE**

**TITLE**







**HELIPORT ID**  
1ME2

**PROCEDURE NAME**  
COPTER RNAV (GPS) M 351

**AMDT NO.**  
ORIG

**CITY**  
WATERVILLE

**STATE**  
ME

**SURFACE ELEVATION**  
270

**FACILITY**  
RNAV

**HOLD-IN-LIEU OF PT**

**FROM**  
CLBEE **TO**  
P-4

**RNP**      **DISTANCE**      **PAT**  
P-4      **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>
AAO	442448.00N/0692548.00W	1050	164	98	4E	1000				AT250	2300
TERRAIN	442448.00N/0692548.00W	849 (800)								AS1500	2300

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH : LNAV**

**FROM**  
WAMED **TO**  
CLBEE

**RNP**      **DISTANCE**      **PAT**      **MAP**      **HAT**      **HMAS**  
460

<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	443338.91N/0693957.87W	499	50	20	2C		ASC				2300
AAO	442854.00N/0693406.00W	686	164	98	4E	1000					1700
TERRAIN	442851.00N/0693409.00W	485 (500)								AS1500	2000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**CIRCLING**     ALL CATS     CAT A     CAT B     CAT C     CAT D     CAT E     NOT AUTHORIZED





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270

FACILITY

RNAV

**PART B: SUPPLEMENTAL DATA**

COMMUNICATIONS WITH

WX SERVICE

AWOS-3PT

LOCATION

KWVL

HRS OPERATION

24

ALTIMETER SOURCE

KWVL

DISTANCE

2.31

SERVICE-A

Y

ADJUSTMENTS

0

BACK-UP WX SERVICE

AWOS-AV

LOCATION

KOWK

HRS OPERATION

24

ALTIMETER SOURCE

KOWK

DISTANCE

12.93

SERVICE-A

N

ADJUSTMENTS

53.34

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KWVL 333  
WAMED SFC ELEV = 270  
KWVL 332.8 (DST KWVL TO WAMED 2.01) RA = 0  
KOWK 270.2(DST KOWK TO WAMED 13.56) RA=53.34  
KWVL ON WMSCR, KOWK NOT ON WMSCR

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM

RUNWAY MARKINGS

RUNWAY VISUAL RANGE

01H

H-G

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





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STATE

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SURFACE ELEVATION

270

FACILITY

RNAV

and/or

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

507 TOWER 443338.00N/0694016.00W (197)  
 499 TREE 443338.91N/0693957.87W (189)  
 481 SPIRE 443350.69N/0693946.93W (171)  
 439 TREE 443326.56N/0693954.12W (129)  
 409 TREE 443433.09N/0693846.77W (99)  
 409 TREE 443435.77N/0693837.73W (99)  
 399 TREE 443429.65N/0693849.63W (89)  
 369 TREE 443316.99N/0693948.42W (59)  
 316 BUILDING 443351.90N/0693934.50W (6)

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

ORDER 8260.3 CHAPTER 2 APPLIED TO 473 AAO 443139N/0693542W.  
 VDP NOT ESTABLISHED - POINT-IN-SPACE PROCEDURE.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 VEGETATION HEIGHT 100 FT.



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270

FACILITY  
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**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	0.30
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	335.98
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	MAP	TO 1500FT POINT	2.23
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	335.98
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	300

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

**ARP COORDINATES** 443358.38N/0693852.26W

**RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP**

**FAF  
COORDINATES** 443058.53N/0693700.14W

**FIX NAME  
COORDINATES** MAP WAMED: 443322.76N/0693830.04W

**REMARKS**

PINS PROCEDURE. AIRSPACE CALCULATED FROM MAP WAMED.



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STATE  
ME

SURFACE ELEVATION  
270

FACILITY  
RNAV

**PART E: PREPARED BY**

NAME  
WILLIAM D. MELTON

OFFICE  
AJV-A423

DATE  
01/11/2023

TITLE  
AERONAUTICAL INFORMATION SPECIALIST

