

FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
 TITLE 14 CFR PART 97.33

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.

<u>AIRPORT ID</u> 2W6	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> LEONARDTOWN	<u>STATE</u> MD		
<u>AIRPORT ELEVATION</u> 142	<u>TDZE</u> 142	<u>SUPERSEDED</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 10/05/2023	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LEKVE	IF/IAF	ONAFE		TF	FB	1.00	112.17	4.74	1800
ONAFE	FAF	DUYEV/3.30 NM TO RW11		TF	FB	0.30	112.25	1.82	
DUYEV/3.30 NM TO RW11		RW11	MAP	TF	FO	0.30	112.25	3.26	
RW11	MAP	620 MSL		CA			112.25		620
620 MSL		GOFER		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW11

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 620 THEN CLIMBING LEFT TURN TO 2000 DIRECT GOFER AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





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

ALTERNATE: NA

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	419	1	277	419	1	277	419	1	277	419	1	277				
LNAV/VNAV DA	503	1	361	503	1	361	503	1	361	503	1	361				
LNAV MDA	540	1	398	540	1	398	540	1 1/8	398	540	1 1/8	398				
CIRCLING	660	1	518	660	1	518	840	2	698	840	2 1/4	698				

**CHANGES - REASONS**

- INTERMEDIATE LEG COURSE CHANGED FROM 112.18 TO 112.17 - FAF RELOCATED DUE TO RWY LENGTH INCREASE
- INTERMEDIATE LEG DISTANCE CHANGED FROM 4.93NM TO 4.74NM - FAF RELOCATED DUE TO RWY LENGTH INCREASE
- LPV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
- LPV FINAL ONAFE TO DA LENGTH CHANGED FROM 5.09NM TO 5.08NM - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV/VNAV FINAL ONAFE TO DA LENGTH CHANGED FROM 5.09NM TO 5.08NM - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV/VNAV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE & SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
- HAT DISTANCE CHANGED FROM 0.75 NM TO 0.74 NM - RWY LENGTH INCREASED
- CRC REMAINDER CHANGED FROM 06EE4D2C TO 8FA09F21 - DUE TO TCH CHANGING FROM 37.4 TO 42.3, LTP/FTP LAT/LONG FROM 381859.6580N/0763325.8505W TO 381902.1925N/0763340.5635W, LTP/FTP ELLIPSOIDAL HEIGHT FROM +00091 TO +00087, LTP ORTHOMETRIC HEIGHT FROM +00432 TO +00429, FPAP ORTHOMETRIC HEIGHT FROM +00432 TO +00429, FAS OFFSET FROM 1488 TO 1120
- LNAV FINAL ONAFE TO SDF DUYEV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE & SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV FINAL ONAFE TO SDF DUYEV LEG LENGTH CHANGED FROM 1.79NM TO 1.82NM - FAF ONAFE & SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV FINAL SDF DUYEV TO RWY 11 LTP FAC CHANGED FROM 112.24 TO 112.25 - SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV FINAL SDF DUYEV TO RWY 11 LTP LEG LENGTH CHANGED FROM 3.30NM TO 3.26NM - SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
- LNAV MDA CHANGED FROM 520MSL TO 540MSL - NEW SURVEY AND CONTROLLING OBSTACLE DUE TO RWY LENGTH INCREASE
- TCH CHANGED FROM 37.4FT TO 42.3FT - NEW RUNWAY SURVEY AND THLD RELOCATED DUE TO RWY LENGTH INCREASE
- FAF TO MAP DISTANCE CHANGED FROM 5.09NM TO 5.08NM - FAF RELOCATED AND RWY LENGTH INCREASED
- FAF TO THLD DISTANCE CHANGED FROM 5.09NM TO 5.08NM - FAF RELOCATED AND RWY LENGTH INCREASED
- VDP CHANGED FROM 1.07NM TO 1.12NM - DUE TO RWY LENGTH INCREASE AND INCREASED TCH PER 8260.3E FORMULA 2-6-5
- MISSED APPROACH CA LEG HEADING CHANGED FROM 112.24 TO 112.25 - FAC CHANGED DUE TO RWY LENGTH INCREASE AND FAF RELOCATION
- LNAV CAT C & D VISIBILITY INCREASED FROM 1SM TO 1 1/8SM - DUE TO MDA INCREASE PER 8260.3 3-3-3 & 3-3-4
- ALTERNATE MINIMA NA - FIELD AWOS WX REPORTING IS NOT ON WMSCR
- REMOVED FARENHEIT FROM CRITICAL TEMPERATURE VALUES - NO LONGER REQUIRED
- REMOVED PROCEDURE NOTE CHART CIRCLING ICON - NO LONGER REQUIRED
- ADDED NOTE 20:1 IS CLEAR - NEW SURVEY & STRAIGHT-IN 20:1 OBSTACLES REMOVED
- REMOVED CHARTE NOTE DME/DME RNP-0.3 NA - NO LONGER REQUIRED
- ADDED EQUIPMENT REQUIREMENTS NOTE RNP APCH - GPS - PER 8260.191 8-6-8 PARA B
- ADDED CHART NOTE CIRCLING RWY 29 NA AT NIGHT - RWY 29 20:1 IS NOT CLEAR

06/26/2023: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 06/07/2023.

- CRC REMAINDER CHANGED FROM 8FA09F21 TO 0D91F389 - DUE TO FPAP RELOCATION & RWY EXTENSION.
- FPAP COORDINATES CHANGED FROM 381840.6275N/0763135.2500W TO 381843.1525N/0763149.9645W - DUE TO RWY CONSTRUCTION AND THRESHOLD RELOCATION.



**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** NHK APP CON, K2W6 APRT MGR.

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*

**ERIC N SUSKI**

Jun 23, 2023

**OFFICE**

**DATE**

**DEVELOPED BY**

CHARLES HIRST

*Digitally signed by*

**CHARLES HIRST**

Jun 07, 2023

**OFFICE**

AJV-A431

**DATE**

06/07/2023

**APPROVED BY**

ERIC N SUSKI

*Digitally signed by*

**ERIC N SUSKI**

Jun 21, 2023

**OFFICE**

AJV-A431

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	2W6
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	381902.1925N
LTP/FTP LONGITUDE	0763340.5635W
LTP/FTP ELLIPSOIDAL HEIGHT	+00087
FPAP LATITUDE	381843.1525N
FPAP LONGITUDE	0763149.9645W
THRESHOLD CROSSING HEIGHT (TCH)	00042.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1120
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0D91F389

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00429
FPAP ORTHOMETRIC HEIGHT	+00429



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

<u>AIRPORT ID</u> 2W6	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>AMDT NO.</u> 3	<u>CITY</u> LEONARDTOWN	<u>STATE</u> MD	<u>AIRPORT ELEVATION</u> 142	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

INTERMEDIATE

FROM  
LEKVE (IF/IAF) TO  
ONAFE

RNP DISTANCE PAT MAP HAT HMAS  
 4.74

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (24-020059)	382002.60N/0764045.70W	484	500	50	5D	500				AT816	1800
TERRAIN	382136.00N/0764130.00W	164 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

FINAL: LPV

FROM  
ONAFE TO  
DA

RNP DISTANCE PAT MAP HAT HMAS  
 5.08 DA 277

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (24-021299)	381902.61N/0763404.26W	221	20	3	1A		34:1			XP27	419

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

XP - RETAIN ORIGINAL MINIMA



AIRPORT ID  
2W6

PROCEDURE NAME  
RNAV (GPS) RWY 11

AMDT NO.  
3

CITY  
LEONARDTOWN

STATE  
MD

AIRPORT ELEVATION  
142

FACILITY  
RNAV

FINAL: LNAV/VNAV

FROM ONAFE TO DA

RNP DISTANCE PAT MAP HAT HMAS  
5.08 DA 361

<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>
TREE (24-052976)	381839.02N/0763345.64W	274	20	3	1A	161				MA16 XP52	503

COMPUTATIONS

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

SEGMENT REMARKS:

XP - RETAIN ORIGINAL MINIMA

FINAL: LNAV

FROM ONAFE TO DUYEV/3.30 NM TO RW11

RNP DISTANCE PAT MAP HAT HMAS  
1.82

<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	382016.49N/0763841.39W	349	50	20	2C	250				RA40 DG581	1220

COMPUTATIONS

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

SEGMENT REMARKS:







**AIRPORT ID**  
2W6

**PROCEDURE NAME**  
RNAV (GPS) RWY 11

**AMDT NO.**  
3

**CITY**  
LEONARDTOWN

**STATE**  
MD

**AIRPORT ELEVATION**  
142

**FACILITY**  
RNAV

**MISSED APPROACH : LPV**

**FROM** DA **TO** GOFER

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
219

<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
TOWER (24-037752)	382258.71N/0762634.58W	563	50	20	2C	1000					1600
TERRAIN	381939.00N/0763345.00W	154 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH : LNAV/VNAV**

**FROM** DA **TO** GOFER

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
342

<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>
ANTENNA (24-052860)	381950.56N/0763347.00W	295	20	10	1B		ASC				2000
TOWER (24-037752)	382258.71N/0762634.58W	563	50	20	2C	1000					1600
TERRAIN	381939.00N/0763345.00W	154 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
2W6

**PROCEDURE NAME**  
RNAV (GPS) RWY 11

**AMDT NO.**  
3

**CITY**  
LEONARDTOWN

**STATE**  
MD

**AIRPORT ELEVATION**  
142

**FACILITY**  
RNAV

**MISSED APPROACH : LNAV**

**FROM**  
RW11 **TO**  
GOFER

<b>RNP</b>	<b>DISTANCE</b>	<b>PAT</b>	<b>MAP</b>	<b>HAT</b>			<b>HMAS</b> 440		<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>	
<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
TOWER (24-037752)	382258.71N/0762634.58W		563	50	20	2C	1000					1600
TERRAIN	381939.00N/0763345.00W		154 (200)								AS1500	1700

**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

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</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>
<b>CATEGORY A</b>											
TANK (24-000835)	381821.00N/0763238.00W	1.30	518	310	250	50	4D	300		AC50	660
<b>CATEGORY B</b>											
TANK (24-000835)	381821.00N/0763238.00W	1.81	518	310	250	50	4D	300		AC50	660
<b>CATEGORY C</b>											
TOWER (24-000935)	381656.00N/0763335.00W	2.84	698	479	500	50	5D	300		AC50	840
<b>CATEGORY D</b>											
TOWER (24-020929)	381613.16N/0763620.68W	3.71	698	484	20	3	1A	300		XP40	840

**CIRCLING REMARKS:**

XP - RETAIN ORIGINAL MINIMA





**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

NHK APP CON, DCA FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> K2W6	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> K2W6	<u>DISTANCE</u> 0	<u>SERVICE-A</u> N	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ATIS	<u>LOCATION</u> KNHK	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KNHK	<u>DISTANCE</u> 7.45	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 31

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
K2W6 142, KNHK 39  
RA = 30.13.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW29 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-F	
RW11 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 140.6	<u>TCH</u> 42.3	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 42.3
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**FINAL APPROACH COURSE AIMING**

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

**CRITICAL TEMPERATURES**

<u>CRITICAL LOW</u> -15C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -15C	<u>APT ISA</u> +14.72C
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**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1262.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	CIRCLING K2W6:RW29
20:1	



181 TREE (24-052925) 381844.83N/0763220.51W (3.19)

Final Type LNAV/VNAV

34:1

221 TREE (24-021299) 381902.61N/0763404.26W (31.75)

193 TREE (24-052066) 381908.03N/0763358.80W (12.81)

189 TREE (24-052083) 381906.47N/0763357.75W (12.21)

193 TREE (24-052981) 381909.18N/0763359.74W (9.93)

178 TREE (24-052915) 381903.72N/0763355.25W (8.68)

174 TREE (24-052779) 381902.76N/0763353.88W (8.43)

167 TREE (24-052798) 381904.19N/0763350.53W (8.19)

185 TREE (24-052607) 381906.66N/0763357.98W (7.56)

182 TREE (24-052709) 381905.42N/0763357.12W (7.32)

182 TREE (24-051920) 381905.88N/0763357.06W (7.16)

179 TREE (24-052327) 381905.42N/0763355.91W (7.09)

186 TREE (24-052149) 381908.20N/0763358.49W (6.42)

174 TREE (24-052513) 381903.69N/0763354.83W (5.66)

171 TREE (24-052583) 381903.92N/0763353.59W (5.35)

181 TREE (24-052605) 381907.03N/0763357.18W (5.16)

174 TREE (24-052904) 381904.18N/0763354.99W (4.98)

179 TREE (24-052171) 381904.60N/0763357.11W (4.86)

171 TREE (24-052874) 381904.15N/0763353.81W (4.7)

167 TREE (24-052582) 381907.05N/0763351.62W (3.88)

190 TREE (24-052315) 381910.02N/0763400.94W (3.65)

164 TREE (24-052164) 381903.08N/0763351.64W (3.35)

163 TREE (24-052935) 381901.41N/0763351.68W (3.32)

178 TREE (24-052621) 381906.22N/0763357.15W (2.74)

185 TREE (24-052825) 381908.01N/0763359.97W (2.15)

168 TREE (24-052928) 381903.17N/0763354.26W (1.3)

169 TREE (24-052416) 381902.07N/0763355.11W (1.05)

165 TREE (24-052854) 381902.33N/0763353.42W (0.75)

165 TREE (24-052901) 381904.56N/0763352.94W (0.44)

167 TREE (24-052072) 381902.07N/0763354.51W (0.42)

166 TREE (24-052716) 381904.38N/0763353.51W (0.25)

Final Type LPV 277.0

34:1

221 TREE (24-021299) 381902.61N/0763404.26W (31.75)

193 TREE (24-052066) 381908.03N/0763358.80W (12.81)

189 TREE (24-052083) 381906.47N/0763357.75W (12.21)

193 TREE (24-052981) 381909.18N/0763359.74W (9.93)

178 TREE (24-052915) 381903.72N/0763355.25W (8.68)

174 TREE (24-052779) 381902.76N/0763353.88W (8.43)

167 TREE (24-052798) 381904.19N/0763350.53W (8.19)

185 TREE (24-052607) 381906.66N/0763357.98W (7.56)

182 TREE (24-052709) 381905.42N/0763357.12W (7.32)

182 TREE (24-051920) 381905.88N/0763357.06W (7.16)

179 TREE (24-052327) 381905.42N/0763355.91W (7.09)

186 TREE (24-052149) 381908.20N/0763358.49W (6.42)

174 TREE (24-052513) 381903.69N/0763354.83W (5.66)

171 TREE (24-052583) 381903.92N/0763353.59W (5.35)

181 TREE (24-052605) 381907.03N/0763357.18W (5.16)

174 TREE (24-052904) 381904.18N/0763354.99W (4.98)

179 TREE (24-052171) 381904.60N/0763357.11W (4.86)

171 TREE (24-052874) 381904.15N/0763353.81W (4.7)



**AIRPORT ID**  
2W6

**PROCEDURE NAME**  
RNAV (GPS) RWY 11

**AMDT NO.**  
3

**CITY**  
LEONARDTOWN

**STATE**  
MD

**AIRPORT ELEVATION**  
142

**FACILITY**  
RNAV

167 TREE (24-052582) 381907.05N/0763351.62W (3.88)	190 TREE (24-052315) 381910.02N/0763400.94W (3.65)
164 TREE (24-052164) 381903.08N/0763351.64W (3.35)	163 TREE (24-052935) 381901.41N/0763351.68W (3.32)
178 TREE (24-052621) 381906.22N/0763357.15W (2.74)	185 TREE (24-052825) 381908.01N/0763359.97W (2.15)
168 TREE (24-052928) 381903.17N/0763354.26W (1.3)	169 TREE (24-052416) 381902.07N/0763355.11W (1.05)
165 TREE (24-052854) 381902.33N/0763353.42W (0.75)	165 TREE (24-052901) 381904.56N/0763352.94W (0.44)
167 TREE (24-052072) 381902.07N/0763354.51W (0.42)	166 TREE (24-052716) 381904.38N/0763353.51W (0.25)

Final Type NPA

34:1

221 TREE (24-021299) 381902.61N/0763404.26W (31.75)	193 TREE (24-052066) 381908.03N/0763358.80W (12.81)
189 TREE (24-052083) 381906.47N/0763357.75W (12.21)	193 TREE (24-052981) 381909.18N/0763359.74W (9.93)
178 TREE (24-052915) 381903.72N/0763355.25W (8.68)	174 TREE (24-052779) 381902.76N/0763353.88W (8.43)
167 TREE (24-052798) 381904.19N/0763350.53W (8.19)	185 TREE (24-052607) 381906.66N/0763357.98W (7.56)
182 TREE (24-052709) 381905.42N/0763357.12W (7.32)	182 TREE (24-051920) 381905.88N/0763357.06W (7.16)
179 TREE (24-052327) 381905.42N/0763355.91W (7.09)	186 TREE (24-052149) 381908.20N/0763358.49W (6.42)
174 TREE (24-052513) 381903.69N/0763354.83W (5.66)	171 TREE (24-052583) 381903.92N/0763353.59W (5.35)
181 TREE (24-052605) 381907.03N/0763357.18W (5.16)	174 TREE (24-052904) 381904.18N/0763354.99W (4.98)
179 TREE (24-052171) 381904.60N/0763357.11W (4.86)	171 TREE (24-052874) 381904.15N/0763353.81W (4.7)
167 TREE (24-052582) 381907.05N/0763351.62W (3.88)	190 TREE (24-052315) 381910.02N/0763400.94W (3.65)
164 TREE (24-052164) 381903.08N/0763351.64W (3.35)	163 TREE (24-052935) 381901.41N/0763351.68W (3.32)
178 TREE (24-052621) 381906.22N/0763357.15W (2.74)	185 TREE (24-052825) 381908.01N/0763359.97W (2.15)
168 TREE (24-052928) 381903.17N/0763354.26W (1.3)	169 TREE (24-052416) 381902.07N/0763355.11W (1.05)
165 TREE (24-052854) 381902.33N/0763353.42W (0.75)	165 TREE (24-052901) 381904.56N/0763352.94W (0.44)
167 TREE (24-052072) 381902.07N/0763354.51W (0.42)	166 TREE (24-052716) 381904.38N/0763353.51W (0.25)

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

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



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**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 100 FT PER FTP CHECKLIST

BACKUP ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PATUXENT RIVER ALTIMETER SETTING AND INCREASE LPV DA TO 453 FEET; INCREASE LNAV/VNAV DA TO 537 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM

BARO-VNAV AND VDP NA WHEN USING PATUXENT RIVER ALTIMETER SETTING.

NO ADDITIONAL AIRSPACE REQUIRED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 398 TOWER (24-000047) 381913.00N/0764009.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 349 AAO 381913.02N/0763811.96W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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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	THLD	TO 1000FT POINT	3.19
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	102.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	4.88
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	102.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

**THRESHOLD  
COORDINATES  
(IF STR-IN)** 381902.19N/0763340.56W

**ARP COORDINATES** 381856.55N/0763307.77W

**RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP** RUNWAY 11 DISTANCE 0.44 NM

**FAF  
COORDINATES** 382007.08N/0763958.89W

**FIX NAME  
COORDINATES**

**REMARKS**





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**PART E: PREPARED BY**

<b>NAME</b>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
CHARLES HIRST	AJV-A431	06/07/2023	AERONAUTICAL INFORMATION SPECIALIST

