

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SUPERSEDED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> 5 OCTOBER 2023	<u>REQUIRED EFFECTIVE DATE</u> 10/05/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
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:

QUALITY
10
CHECKED

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NW LEKVE, RT, 148.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	112.25	FAF: ONAFE	DIST FAF TO MAP:	5.08	DIST FAF TO THLD: 5.08
4. MIN ALT:	LEKVE 2000, ONAFE 1800, DUYEV/3.30 NM TO RW11 1220				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	277 HAT: 0.74	GS ANT:
6. MIN GP INCPT:	1800	GP ALT AT PFAF :	ONAFE 1800	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
			TCH:	42.3	
8. MSA FROM:	RW11 2100				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 29 NA AT NIGHT.
CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (°F) OR ABOVE 54°C (°F).
CHART PLANVIEW NOTE: WASHINGTON DC ADIZ, CTC POTOMAC APP CON.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 225.99 INBOUND.
CHART FAS OBST: 274 TREE (24-052976) 381839N/0763346W.
CHART 398 TOWER 381913N/0764009W.
349 AAO 381913N/0763812W.
CHART R-4007.
CHART R-6611A.
CHART R-6613A.
CHART WASHINGTON DC METROPOLITAN ADIZ.
CHART VDP AT 1.12 NM TO RW11.
WAAS CHANNEL # 70502
REFERENCE PATH ID: W11A
LTP HAE: 8.7 M



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

1. INTERMEDIATE LEG COURSE CHANGED FROM 112.18 TO 112.17 - FAF RELOCATED DUE TO RWY LENGTH INCREASE
2. INTERMEDIATE LEG DISTANCE CHANGED FROM 4.93NM TO 4.74NM - FAF RELOCATED DUE TO RWY LENGTH INCREASE
3. LPV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
4. LPV FINAL ONAFE TO DA LENGTH CHANGED FROM 5.09NM TO 5.08NM - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
5. LNAV/VNAV FINAL ONAFE TO DA LENGTH CHANGED FROM 5.09NM TO 5.08NM - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
6. LNAV/VNAV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE RELOCATED DUE TO RWY LENGTH INCREASE
7. LNAV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE & SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
8. HAT DISTANCE CHANGED FROM 0.75 NM TO 0.74 NM - RWY LENGTH INCREASED
9. 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
10. LNAV FINAL ONAFE TO SDF DUYEV FAC CHANGED FROM 112.24 TO 112.25 - FAF ONAFE & SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
11. 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
12. LNAV FINAL SDF DUYEV TO RWY 11 LTP FAC CHANGED FROM 112.24 TO 112.25 - SDF DUYEV RELOCATED DUE TO RWY LENGTH INCREASE
13. 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
14. LNAV MDA CHANGED FROM 520MSL TO 540MSL - NEW SURVEY AND CONTROLLING OBSTACLE DUE TO RWY LENGTH INCREASE
15. TCH CHANGED FROM 37.4FT TO 42.3FT - NEW RUNWAY SURVEY AND THLD RELOCATED DUE TO RWY LENGTH INCREASE
16. FAF TO MAP DISTANCE CHANGED FROM 5.09NM TO 5.08NM - FAF RELOCATED AND RWY LENGTH INCREASED
17. FAF TO THLD DISTANCE CHANGED FROM 5.09NM TO 5.08NM - FAF RELOCATED AND RWY LENGTH INCREASED
18. VDP CHANGED FROM 1.07NM TO 1.12NM - DUE TO RWY LENGTH INCREASE AND INCREASED TCH PER 8260.3E FORMULA 2-6-5
19. MISSED APPROACH CA LEG HEADING CHANGED FROM 112.24 TO 112.25 - FAC CHANGED DUE TO RWY LENGTH INCREASE AND FAF RELOCATION
20. 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
21. ALTERNATE MINIMA NA - FIELD AWOS WX REPORTING IS NOT ON WMSCR
22. REMOVED FARENHEIT FROM CRITICAL TEMPERATURE VALUES - NO LONGER REQUIRED
23. REMOVED PROCEDURE NOTE CHART CIRCLING ICON - NO LONGER REQUIRED
24. ADDED NOTE 20:1 IS CLEAR - NEW SURVEY & STRAIGHT-IN 20:1 OBSTACLES REMOVED
25. REMOVED CHARTE NOTE DME/DME RNP-0.3 NA - NO LONGER REQUIRED
26. ADDED EQUIPMENT REQUIREMENTS NOTE RNP APCH - GPS - PER 8260.19I 8-6-8 PARA B
27. 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.

1. CRC REMAINDER CHANGED FROM 8FA09F21 TO 0D91F389 - DUE TO FPAP RELOCATION & RWY EXTENSION.
2. 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

QUALITY
10
CHECKED

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

