

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 29	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> LEONARDTOWN	<u>STATE</u> MD		
<u>AIRPORT ELEVATION</u> 142	<u>TDZE</u> 137	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
COLIN		FABAV		TF	FB	1.00	089.31	14.81	2000
FABAV	IAF	JAGUX		TF	FB	1.00	022.44	8.00	2000
GOFER	IAF	JAGUX		TF	FB	1.00	202.71	8.80	2000
JAGUX	IF	ASIZE		TF	FB	1.00	292.46	5.20	2000
ASIZE	FAF	RW29	MAP	TF	FO	0.30	292.39	5.58	
RW29	MAP	700 MSL		CA			292.39		700
700 MSL		COLIN		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 5000 DIRECT COLIN AND HOLD, CONTINUE CLIMB IN HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT JAGUX					
3. FAC:	292.39	FAF: ASIZE	DIST FAF TO MAP: 5.58	DIST FAF TO THLD: 5.58	
4. MIN ALT:	JAGUX 2000, ASIZE 2000				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	304 HAT: 0.84	GS ANT:
6. MIN GP INCPT:	2000	GP ALT AT PFAF :	ASIZE 2000	OM:	MM:
7. GP ANGLE:	3.10	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
			TCH: 40.0		
8. MSA FROM:	RW29 2100				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PATUXENT RIVER ALTIMETER SETTING: INCREASE LPV DA TO 475 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE LNAV/VNAV DA TO 688 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CATS C/D 1/8 SM.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PATUXENT RIVER ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 080.72 INBOUND.
CHART FAS OBST: 310 TANK (24-000835) 381821N/0763238W.
CHART R-4005, R-4007, R-6611A, R-6613A.
CHART VDP AT 1.45 NM TO RW29.
WAAS CHANNEL # 61313
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
LTP HAE: 4 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	441	7/8	304	441	7/8	304	441	7/8	304	441	7/8	304			
LNAV/VNAV DA	654	1 3/8	517	654	1 3/8	517	654	1 3/8	517	654	1 3/8	517			
LNAV MDA	620	1	483	620	1	483	620	1 3/8	483	620	1 3/8	483			
CIRCLING	660	1	518	660	1	518	840	2	698	840	2 1/4	698			

CHANGES - REASONS

1. DELETED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT COLIN ON V16-157-213 SOUTHWEST BOUND AND V20-33 SOUTHBOUND"- AIRWAYS CANCELLED DUE TO OTT VORMON.
2. DELETED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT GOFER ON V16-157-213-229 NORTHEAST BOUND"- AIRWAYS CANCELLED DUE TO OTT VORMON.
3. LOWERED LPV VISIBILITY ALL CATS FROM 1 SM TO 7/8 SM - 8260.3E TABLE 3-3-1 APPLIED.
4. UPDATED ALTERNATE MINIMUMS FROM "STANDARD-CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "NA" - LOCAL WEATHER IS NOT ON WMSCR PER AIRNAV IAW 8260.19I ATTACHMENT 4.5C.
5. AMENDED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PATUXENT RIVER ALTIMETER SETTING AND INCREASE ALL LPV DA TO 475, LNAV/VNAV DA TO 688 AND ALL MDAS 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 SM, AND LNAV CATS C AND D VISIBILITY 1/8 SM." TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PATUXENT RIVER ALTIMETER SETTING: INCREASE LPV DA TO 475 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE LNAV/VNAV DA TO 688 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CATS C/D 1/8 SM" - IAW 8260.19I, 8-6-9, F(4)

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: MD DEPT OF AVN, NHK APP CON, APT MGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
JASON KRETSCHMER
Feb 06, 2023

DEVELOPED BY

JASON KRETSCHMER (ROBERT A. SWINSON)

Digitally signed by

JASON KRETSCHMER

Feb 06, 2023

Digitally signed by

JASON KRETSCHMER

Feb 06, 2023

OFFICE

AJV-A423

DATE

08/10/2023

APPROVED BY

JASON KRETSCHMER

OFFICE

AJV-A423

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	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	381850.9085N
LTP/FTP LONGITUDE	0763234.9850W
LTP/FTP ELLIPSOIDAL HEIGHT	+00040
FPAP LATITUDE	381909.9265N
FPAP LONGITUDE	0763425.5935W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1488
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 CRC REMAINDER	 DECCCABB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00381
FPAP ORTHOMETRIC HEIGHT	+00381