

**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> 1A	<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SUPERSEDED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> 1	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<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:



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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	1	304	441	1	304	441	1	304	441	1	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. PROFILE LINE 7: ADDED 20:1 IS CLEAR TO LINE 7 - 20:1 SURFACE CLEAR.
2. ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - 8260.19I, 8-6-8B2.
3. REMOVED NOTE DME/DME RNP-0.3 NA - REPLACED BY PBN REQUIREMENTS NOTE.
4. CHANGED CHART NOTE: FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 50°C (122°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - FAHRENHEIT VALUES NO LONGER REQUIRED, NEW EVALUATION WITH UPDATED CRITICAL TEMPERATURES.
5. CHANGED CHART NOTE: FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PATUXENT RIVER ALTIMETER SETTING AND INCREASE ALL LPV DA TO 472, LNAV/VNAV DA TO 584 AND ALL MDA 40 FEET, INCREASE LPV VISIBILITY ALL CATS 1/8 SM, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, AND INCREASE LNAV CATS C AND D VISIBILITY 1/8 SM" TO "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" - USE OF SECONDARY ALTIMETER RAISED FROM 30.13 FT TO 33.6 FT, CALCULATED FROM THE WEATHER FACILITY INSTEAD OF THE AIRPORT.
6. CHANGED LNAV/VNAV MINIMUMS FROM MDA 533/HAT 396 TO MDA 654/HAT 517 - NEW TARGETS EVALUATION, INCORPORATED NOTAM FDC 9/8035.
7. CRC REMAINDER CHANGED FROM "A1DA9E83" TO "DECCCABB" - FPAP COORDINATES CHANGED FROM "381909.9260N/0763425.5940W" TO "381909.9265N/0763425.5935W".
8. CHANGED CHART PLANVIEW NOTE: FROM "PROCEDURE NA FOR ARRIVAL AT COLIN ON V16-157-213 SOUTHWEST BOUND AND V20-33 SOUTHBOUND AND AT GOFER ON V16-157-213-229 NORTHEAST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT COLIN ON V16-157-213 SOUTHWEST BOUND AND V20-33 SOUTHBOUND" AND "PROCEDURE NA FOR ARRIVALS AT GOFER ON V16-157-213-229 NORTHEAST BOUND" - FOR CLARITY.
9. CHANGED RNP VALUE FOR COLIN TO FABAV LEG FROM 2.00 TO 1.00 - PER CURRENT CRITERIA.

COORDINATED WITH:

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

FLIGHT CHECKED BY

DANIEL KIRBY

Digitally signed by

LONNIE EVERHART

Aug 04, 2021

DEVELOPED BY

DAVID TEFFETELLER (SILVIA YOUNG)

Digitally signed by

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Aug 04, 2021

APPROVED BY

LONNIE EVERHART

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LONNIE EVERHART

Aug 04, 2021

OFFICE

FICO

DATE

08/02/2021

OFFICE

AJV-A432

DATE

05/06/2021

OFFICE

AJV-A430

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

