

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</u> ST MARYS MUNI	<u>AIRPORT ID</u> KOYM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> ST MARYS	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 1934	<u>TDZE</u> 1934	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 08/18/2016	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<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>
SLT VORTAC	IAF	MINSK		TF	FB	1.00	255.61	14.01	4000
ETG VORTAC	IAF	MINSK		TF	FB	1.00	348.67	12.79	4000
MINSK	IF	LYCEE		TF	FB	1.00	281.15	6.00	3600
LYCEE	FAF	ELOC/3.40 NM TO RW28		TF	FB	0.30	281.06	1.60	
ELOC/3.40 NM TO RW28		RW28	MAP	TF	FO	0.30	281.06	3.43	
RW28	MAP	2290 MSL		CA					
2290 MSL		PUNKS		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT PUNKS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT MINSK
3. FAC: 281.06 FAF: LYCEE DIST FAF TO MAP: 5.03 DIST FAF TO THLD: 5.03
4. MIN ALT: MINSK 4000, LYCEE 3600, ELOC/3.40 NM TO RW28 3040*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 356 HAT: 0.99
6. MIN GP INCPT: 3600 GP ALT AT FAF : LYCEE 3600 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM: RW28 4200

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CAT A/B.
CHART NOTE: VDP NA WHEN USING BRADFORD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING AND INCREASE ALL DA/MDA 240 FT, LPV ALL CATS VISIBILITY 3/8 SM, LNAV CAT C/D 3/4 SM, AND CIRCLING CAT A/D 1/4 SM AND CAT B 1/2 SM AND CAT C 1 SM.
CHART NOTE: WHEN USING BRADFORD ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT C/D.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING BRADFORD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 3/4 SM AND LNAV CAT A/B TO 1 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ETG VORTAC ON AIRWAY RADIALS 276 CW 338, AND ON SLT VORTAC AIRWAY RADIALS 289 CW 308.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 2.08 NM TO RW28*
*LNAV ONLY
WAAS CHANNEL #82302
REFERENCE PATH ID: W28A
CHART FAS OBST: 2279 TREES 412417N/0782629W.
HOLD W, RT, 100.82 INBOUND
LTP HAE: 557.6 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	2290	1	356	2290	1	356	2290	1	356	2290	1	356			
LNAV MDA	2640	1	706	2640	1	706	2640	1 3/4	706	2640	1 3/4	706			
CIRCLING	2640	1	706	2660	1	726	2660	2	726	2800	2 3/4	866			



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
ST MARYS MUNI	KOYM	RNAV (GPS) RWY 28	1D	ST MARYS	PA

CHANGES - REASONS

- 1. RAISED LPV DA/HAT FROM 2208/274 TO 2290/356 - NEW CONTROLLING OBSTACLE IN LPV FINAL SEGMENT. ALSO WILL CLEAR FDC NOTAM 8/2969
- 2. ADDED CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - INCORPORATING T-NOTAM 8/2969
- 3. CHANGED 34:1 IS CLEAR TO 34:1 IS NOT CLEAR - 34:1 PENETRATIONS FOUND
- 4. CHANGED INTERMEDIATE RNP FROM 0.5 TO 1.0 - CURRENT RNAV CRITERIA
- 5. REMOVED MISSED APPROACH SLOPING SURFACE OBSTACLE - NO LONGER A MISSED APPROACH PENETRATION WITH NEW LPV DA
- 6. REMOVED DME/DME RNP-0.3 NA AND ADDED RNP APCH - PER 8260.19
- 7. CHANGED BACKUP ALTIMETER NOTE FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING AND INCREASE ALL DA/MDA 240 FEET, LPV ALL CATS VISIBILITY 5/8 SM, LNAV CAT C/D 3/4 SM, AND CIRCLING CAT A/D 1/4 SM AND CAT B 1/2 SM AND CAT C 1 SM TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING AND INCREASE ALL DA/MDA 240 FT, LPV ALL CATS VISIBILITY 3/8 SM, LNAV CAT C/D 3/4 SM, AND CIRCLING CAT A/D 1/4 SM AND CAT B 1/2 SM AND CAT C 1 SM - INCORPORATING P-NOTAM 6/1829 AND VISCHECK CALCULATOR
- 8. CHANGED LNAV VISIBILITY CAT C FROM 2 SM TO 1 3/4 SM, AND CAT D FROM 2 1/4 SM TO 1 3/4 SM - NEW INOP LIGHT TABLE
- 9. CHANGED CHART NOTE FROM INOPERATIVE TABLE DOES NOT APPLY TO INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CAT A/B - INCORPORATING P-NOTAM 6/1829
- 10. REMOVED CHART NOTE: FOR INOPERATIVE MALS, INCREASE LNAV CAT D VISIBILITY TO 2 MILE - VIS INCREASE IS NOW COVERED BY THE NEW INOP TABLE.
- 11. CHANGED PLANVIEW NOTE FROM PROCEDURE NA FOR ARRIVALS AT ETG VORTAC ON AIRWAY RADIALS 290 CW 338, AND ON SLT VORTAC AIRWAY RADIALS 289 CW 308 TO PROCEDURE NA FOR ARRIVALS AT ETG VORTAC ON AIRWAY RADIALS 276 CW 338, AND ON SLT VORTAC AIRWAY RADIALS 289 CW 308 - TURN GREATER THAN 90 DEGREES
- 12. ADDED CHART NOTE: WHEN USING BRADFORD ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT C/D - INCORPORATING P-NOTAM 6/1829
- 13. CHANGED CHART NOTE FROM FOR INOPERATIVE MALS WHEN USING BRADFORD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 7/8 MILE TO FOR INOPERATIVE ALS WHEN USING BRADFORD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 3/4 SM AND LNAV CAT A/B TO 1 1/4 SM - INCORPORATING P-NOTAM 6/1829 AND VISCHECK CALCULATOR
- 14. ADDED CHART VDP AT 2.08 NM TO RW28* *LNAV ONLY TO ADDITIONAL FLIGHT DATA - INCORPORATING P-NOTAM 6/1829
- 15. ADDED CHART NOTE: VDP NA WHEN USING BRADFORD ALTIMETER SETTING - INCORPORATING P-NOTAM 6/1829



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> OTHER: ZOB, AIRPORT MANAGER					
Digitally signed by					
<u>BEV L BORDY</u> <u>OFFICE</u> <u>DATE</u>					
Jun 19, 2018 FICO 6/15/18					
Digitally signed by					
<u>BEV L BORDY</u> <u>OFFICE</u> <u>DATE</u>					
Jun 19, 2018 AJV-5400 03/13/2018					
Digitally signed by					
<u>BEV L BORDY</u> <u>OFFICE</u> <u>DATE</u> <u>TITLE</u>					
Jun 19, 2018 AJV-5400					
<u>FLIGHT CHECKED BY</u>					
JORGE A MALCUN					
<u>DEVELOPED BY</u>					
LONNIE EVERHART (ANTHONY CAPPABIANCO)					
<u>APPROVED BY</u>					
LONNIE EVERHART					



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOYM
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	412444.9500N
LTP/FTP LONGITUDE	0782941.3000W
LTP/FTP ELLIPSOIDAL HEIGHT	+05576
FPAP LATITUDE	412444.9200N
FPAP LONGITUDE	0783139.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	54A50AD8
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+05896
FPAP ORTHOMETRIC HEIGHT	+05896

