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.

| AIRPORT ID KOYM | | PROCEDURE NAME RNAV (GPS) RWY 28 | <u>OF</u> | IGINAL/AMEN 1F | <u>IDMENT</u> | | CITY ST MARYS | <u>STATE</u> PA | |
|---------------------------|---------------------|-------------------------------------|---------------------------------------------------|-------------------|---------------|------------|------------------|--------------------------------------------|--------------------|
| AIRPORT ELEVATION 1934 | <u>TDZE</u> 1934 | | SUPERSEDED RNAV (GPS) RWY 28 | | | | | DATED MAG VAR 09/09/2021 11W | EPOCH YEAR 2005 |
| FACILITY RNAV | COORDINATES OF F | | JAL EFFECTIVE DATEREQUIRED EFFENOVEMBER 2023ROUTI | | | | | | |
| TERMINAL ROUTES | | | | | | | | | |
| FROM | FIX TYPE | <u>T0</u> | FIX TYPE | LEG TYPE | FO/FB | <u>RNP</u> | COURSE | DISTANCE | ALTITUDE |
| 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 | ELOCI/3.40 NM TO RW28 | | TF | FB | 0.30 | 281.06 | 1.63 | |
| ELOCI/3.40 NM TO RW2 | 28 | RW28 | MAP | TF | FO | 0.30 | 281.06 | 3.40 | |
| RW28 | MAP | 2334 MSL | | CA | | | 281.06 | | |
| 2334 MSL | | PUNKS | | DF | FO | 1.00 | | | 4000 |

MISSED APPROACH

MAP:

LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT PUNKS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

| <u>AIRPORT ID</u> KOYM | | PROCEDURI RNAV (GPS) | | OF | RIGINAL/AMENDMENT 1F | <u>CITY</u> ST MARYS | <u>STATE</u> PA | |
|---------------------------|----------------------|-------------------------|----------------|-----------|-------------------------|-------------------------|--------------------|--|
| | | | | | | | | |
| PROFILE: | | | | | | | | |
| 1. PT SIDE | OF COURSE | OUTBO | UND | FT WITHIN | MILES OF | (IAF) | | |
| 2. PROFILE STARTS | S AT MINSK | | | | | | | |
| 3. FAC: 281.06 | | FAF: LYCEE | | DIST FAF | TO MAP: 5.03 | DIST FAF TO THLD: 5.03 | | |
| 4. MIN ALT: MINS | SK 4000, LYCEE 3600, | , ELOCI/3.40 NM TO R | W28 3040 | | | | | |
| 5. DIST TO THLD FF | ROM OM: | MM: | IM: 1 | 50 HAT: | GS ANT: | | | |
| 6. MIN GP INCPT: | G | BP ALT AT FAF : | | | OM: | MM: | IM: | |
| 7. GP ANGLE: | 34:1: | IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | | | |
| 8. MSA FROM: F | RW28 4200 | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT A. CHART NOTE: VDP NA WHEN USING BRADFORD ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING AND INCREASE ALL MDA 240 FEET, LNAV VISIBILITY CATS B/C/D 1/2 SM, AND CIRCLING VISIBILITY CATS B/C 1/2 SM. CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV VISIBILITY CAT C/D TO 2 1/2 SM. CHART NOTE: FOR INOPERATIVE ALS WHEN USING BRADFORD ALTIMETER SETTING, INCREASE LNAV VISIBILITY CAT C/D TO 3 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 100.82 INBOUND. FAS OBST: 2500 AAO 412429N/0782503W. CHART DUKE MOA. CHART VDP AT 2.45 NM TO RW28. LYCEE TO RW28: 3.04/40.

MINIMUMS:

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

ALTERNATE: NA

CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY: | A | | A B | | | С | | 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 |
| LNAV MDA | 2760 | 1 | 826 | 2760 | 1 | 826 | 2760 | 2 | 826 | 2760 | 2 | 826 | | | |
| CIRCLING | 2760 | 1 1/4 | 826 | 2760 | 1 1/4 | 826 | 2760 | 2 1/2 | 826 | 2840 | 3 | 906 | | | |

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

CHANGES - REASONS

1. CORRECTED SEGMENT DISTANCE LYCEE-ELOCI FROM 1.60 TO 1.63 AND ELOCI-RW28 FROM 3.43 TO 3.40 IN TERMINAL ROUTES - PER TARGETS BUILD. NO EFFECT TO PUBLISHED CHART. 2. REMOVED LPV LINE OF MINIMUMS AND ASSOCIATED DATA - AIRPORT ONLY HAS A LEGACY "D" TYPE SURVEY AND PER EASTERN FPT.

3. PROFILE LINE 5: DIST TO THLD FROM 356 HAT 0.99, LINE 6: MIN GP INCPT: 3600 AND GP ALT AT FAF: LYCEE 3600, LINE 7: GP ANGLE 3.00 AND TCH 40.0, ALL REMOVED - LPV MINIMUMS REMOVED.

4. UPDATED PBN REQUIREMENTS NOTE FROM 'RNP APCH' TO 'RNP APCH - GPS' - PER 8260.19I PARA. 8-6-8B(2).

5. CHANGED NOTE FROM 'INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CAT A/B' TO 'INÓPERATIVE TABLE DOES NOT APPLY TO LNAV CAT A' - LPV MINIMUMS REMOVED. 6. CHANGED NOTE FROM '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' TO 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING NOT RECEIVED, USE BRADFORD ALTIMETER SETTING AND INCREASE ALL MDA 240 FEET, LNAV VISIBILITY CATS B/C/D 1/2 SM, AND CIRCLING VISIBILITY CAT B/C 1/2 SM' - LPV MINIMUMS REMOVED AND PER 8260.3E VISIBILITY TABLES 3-3-1, 3-3-3, 3-3-4, 3-3-7 AND 8260.19I PARA. 8-6-11N(1)(A).

7. ADDED NOTE 'FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 2 1/2 SM' - PER 8260.3B VISIBILITY TABLE 3-3-1.

 CHANGED NOTE FROM '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' TO 'FOR INOPERATIVE ALS WHEN USING BRADFORD ALTIMETER SETTING, INCREASE LNAV VISIBILITY CAT C/D TO 3 SM' - LPV MINIMUMS REMOVED AND PER 8260.3E VISIBILITY TABLE 3-3-1.
REMOVED PLANVIEW NOTES 'PROCEDURE NA FOR ARRIVALS AT ETG VORTAC ON AIRWAY RADIALS 276 CW 338' AND 'PROCEDURE NA FOR ARRIVALS AT SLT VORTAC ON AIRWAY RADIALS 289 CW 308' - THE RADIALS REFERENCED ARE FOR VICTOR AIRWAYS THAT HAVE SINCE BEEN CANCELED.

10. REMOVED NOTE '*LNAV ONLY' AND ASSOCIATED ASTERISKS FROM VDP 2.08 NM TO RW28 AND FROM STEPDOWN ELOCI/3.40 NM TO RW28 3040 - NO LONGER REQUIRED.

11. CHARTED DUKE MOA - MATCHES LOC RWY 28 CHART

12. ADDED 'LYCEE TO RW28: 3.04/40' IN ADDITIONAL FLIGHT DATA - PER 8260.19I PARA. 8-6-10(O)(1).

13. UPDATED VDP LOCATION FROM 2.08 TO RW28 TO 2.45 TO RW28 - BASED ON A 3.04 DESCENT ANGLE AND INCREASE IN LNAV MDA/HAT.

14. RAISED LNAV MDA/HAT FROM 2290/356 TO 2760/826 AND CAT C/D VISIBILITY FROM 1 SM TO 2 SM - NEW CONTROLLING OBSTRUCTION IN THE STEPDOWN SEGMENT.

15. RAISED CIRCLING CAT A MDA/HAA FROM 2640/706 TO 2760/826, CAT B FROM 2660/726 TO 2760/826 AND CAT C FROM 2700/766 TO 2760/826 - MATCHES LNAV MDA/HAT PER 8260.3E PARA. 3-2-1H.

16. INCREASED CIRCLING CAT A/B VISIBILITY FROM 1 SM TO 1 1/4 SM, CAT C VISIBILITY FROM 2 SM TO 2 1/2 SM AND CAT D VISIBILITY FROM 2 3/4 SM TO 3 SM - DUE TO INCREASE IN CIRCLING CAT A/B/C MDA/HAA AND 8260.3E TABLE 3-3-7.

17. ADDED ALTERNATE MINIMUMS - KOYM AWOS NOW DISSEMINATED ON WMSCR AND PER 8260.3E SECTION 3-4.

18. CHANGED FAS OBSTACLE FROM 2279 TREES 412417N/0782629W TO 2500 AAO 412429N/0782503W IN ADDITIONAL FLIGHT DATA - PER 8260.19I PARA. 8-6-10C NOTE.

| COORDINATED WITH: | _ | _ | _ | _ | | | | |
|-----------------------------------|--------|---|---------|-------------------------------------------|-----------------------------------------------------------|--------------------|---------------------------|-------------------------|
| A4A 🗌 🛛 ALPA 🗙 | AOPA X | | hai 📋 | NBAA 🗙 | OTHER: ZOB, ARPT M | GR | | |
| FLIGHT CHECKED BY TERRY HESTER | | | | | Digitally signed by RAKE MCGRAW Sep 07, 2023 | OFFICE FPO | DATE 09/06/2023 | |
| DEVELOPED BY RALPH DUMAR | | | RALP | y signed by H DUMAR 01, 2023 | | OFFICE AJV-A422 | DATE 07/11/2023 | |
| APPROVED BY MARLON ROBINSON | | | , lug i | ., 2020 | Digitally signed by RAKE MCGRAW Sep 07, 2023 | OFFICE AJV-A420 | DATE | <u>TITLE</u> MANAGER |