

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> KMQS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> COATESVILLE	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 660	<u>TDZE</u> 660	<u>SUPERSEDED</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 7B	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> I-MQS	<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>
CERTS INT/RADAR	IF	EFECO INT/RADAR					292.64	6.02 (I-MQS)	2400

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.29 NM AFTER EFECO INT/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 170 AND PTW R-231 TO GLOMO INT/PTW 28.83 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT CERTS					
3. FAF: 292.64	FAF: EFECO INT/RADAR	DIST FAF TO MAP: 5.29	DIST FAF TO THLD: 5.29		
4. MIN ALT: CERTS INT/RADAR 2400, EFECO INT/RADAR 2400					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT: 1152	
6. MIN GS INCPT: 2400	GS ALT AT FAF : EFECO INT/RADAR 2400	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1:	20:1:	TCH: 54.8		
8. MSA FROM: PTW VORTAC 2900					

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:



ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 231.18 INBOUND.
FAS OBST: 790 AAO 395805N/0754407W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/2, 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
S-ILS 29	910	3/4	250	910	3/4	250	910	3/4	250	910	3/4	250			
S-LOC 29	1040	1	380	1040	1	380	1040	1	380	1040	1	380			
CIRCLING	1140	1	480	1240	1	580	1260	1 1/2	600	1420	2 1/2	760			

CHANGES - REASONS

- DISTANCE FROM CERTS INT/RADAR TO EFECO INT/RADAR CHANGED FROM 6.10 (I-MQS) TO 6.02 (I-MQS) - EFECO MOVED 488.92 FT E DUE TO NEW I-MQS ILS DESIGN TCH.
- LOC MAP CHANGED FROM "5.21 NM AFTER EFECO INT/RADAR" TO "5.29 NM AFTER EFECO INT/RADAR" - EFECO MOVED 488.92 FT E DUE TO NEW I-MQS ILS DESIGN TCH.
- MISSSED APPROACH INSTRUCTION CHANGED FROM "CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2400 DIRECT MXE VORTAC AND HOLD" TO "CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 170 AND PTW R-231 TO GLOMO INT/PTW 28.83 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" - ATC REQUEST, PRESIDENTIAL TFR AND MXE BEING DECOMMISSIONED.
- REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS AND ASSOCIATED HOLDING PATTERN FROM ADDITIONAL FLIGHT DATA - ATC REQUEST.
- DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 5.21 TO 5.29 - EFECO MOVED 488.92 FT E DUE TO NEW I-MQS ILS DESIGN TCH.
- TCH CHANGED FROM 56.4 TO 54.8 - NEW I-MQS ILS DESIGN TCH.
- MSA CHANGED FROM "MXE VORTAC 2600" TO "PTW VORTAC 2900" - MXE VORTAC TO BE DECOMMISSIONED.
- REMOVED "CHART NOTE: RADAR REQUIRED" AND ADDED "RADAR REQUIRED FOR PROCEDURE ENTRY" TO EQUIPMENT REQUIREMENTS NOTES - 8260.19I 8-6-9.G.
- REMOVED "CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" - 34:1 SURFACE NOW CLEAR, NEW OBSTACLE EVALUATION.
- REMOVED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POTTSTOWN-LIMERICK ALTIMETER SETTING AND INCREASE ALL DA 98 FEET, ALL MDA 100 FEET, S-ILS 29 VISIBILITY 1/4 MILE ALL CATS, S-LOC 29 VISIBILITY CAT C AND D 1/4 MILE, AND CIRCLING VISIBILITY CAT C AND D 1/4 MILE" - MOVED TO 8260-9 PART C REMARKS FOR CONTINGENCY PURPOSES.
- REMOVED "CHART MOSES OM SUBDUED" FROM ADDITIONAL FLIGHT DATA - MOSES OM DECOMMISSIONED.
- CHANGED "HOLD SE, RT, 329.00 INBOUND" TO "HOLD NE, RT, 231.18 INBOUND" IN ADDITIONAL FLIGHT DATA - CLEARANCE LIMIT MOVED TO GLOMO AT ATC REQUEST.
- CHANGED "CHART FAS OBST: 759 TREE 395846N/0755109W" TO "FAS OBST: 790 AAO 395805N/0754407W" - NEW CONTROLLING OBSTACLE, 8260.19I 8-6-10.C.
- REMOVED "CHART 814 TANK 395833N/0755249W" FROM ADDITIONAL FLIGHT DATA - 7:1 EXCLUSION NOT APPLIED, 8260.19I 8-6-10.E.
- S-ILS 29 DA/HAT CHANGED FROM 919/259 TO 910/250 - NEW OBSTACLE EVALUATION.
- S-ILS 29 VISIBILITY ALL CATS CHANGED FROM 1 SM TO 3/4 SM - 8260.3D TABLE 3-3-1.
- S-LOC 29 VISIBILITY CAT D CHANGED FROM 1 1/4 SM TO 1 SM - 8260.3D TABLE 3-3-1.
- CIRCLING MDA/HAA CAT C CHANGED FROM 1280/620 TO 1260/600, CAT D FROM 1440/780 TO 1420/760 - NEW OBSTACLE EVALUATION.
- CIRCLING VISIBILITY CAT C CHANGED FROM 1 3/4 SM TO 1 1/2 SM - LOWER MDA/HAA, 8260.3D TABLE 3-3-7.
- CHANGED ALTERNATE MINIMUMS FROM "ILS: STANDARD, LOC: STANDARD EXCEPT CAT D 800-2 1/2" TO "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19I 8-6-11.B(4).
- ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZNY, PHL APP CON, AIRPORT MGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by

BEV L BORDY

Jul 07, 2021

OFFICE

FICO

DATE

08/03/2021

DEVELOPED BY

ANTHONY CAPPABIANCO

Digitally signed by

ANTHONY J CAPPABIANCO

Jun 28, 2021

OFFICE

AJV-A422

DATE

04/20/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

BEV L BORDY

Jul 07, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER