

**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> KMQS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> COATESVILLE	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 660	<u>TDZE</u> 660	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
PTW VORTAC		HEWFY		TF	FB	1.00	197.75	10.87	2400
DQO VORTAC		GOWZO		TF	FB	1.00	000.20	9.37	2400
HEWFY	IAF	CERTS		TF	FB	1.00	202.82	6.31	2400
GOWZO	IAF	CERTS		TF	FB	1.00	022.78	6.58	2400
CERTS	IF	EFECO		TF	FB	1.00	292.79	6.02	2400
EFECO	FAF	RW29	MAP	TF	FO	0.30	292.72	5.29	
RW29	MAP	1300 MSL		CA			292.72		1300
1300 MSL		GLOMO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT GLOMO 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: 292.72

FAF: EFECO

DIST FAF TO MAP: 5.29

DIST FAF TO THLD: 5.29

4. MIN ALT: CERTS 2400, EFECO 2400

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.61

GS ANT:

6. MIN GP INCPT: 2400

GP ALT AT FAF : EFECO 2400

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 54.8

8. MSA FROM: RW29 2600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DQO VORTAC AIRWAY RADIALS 271 CW 080.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PTW VORTAC AIRWAY RADIALS 205 CW 287.

ADDITIONAL FLIGHT DATA:

790 AAO 395805N/0754407W.
HOLD NE, RT, 231.18 INBOUND.
FAS OBST: 760 AAO 395830N/0754649W.
CHART VDP AT 0.95 NM TO RW29.
WAAS CHANNEL # 82506
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
LTP HAE: 167.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ 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
LPV DA	910	3/4	250	910	3/4	250	910	3/4	250	910	3/4	250			
LNAV/VNAV DA	915	3/4	255	915	3/4	255	915	3/4	255	915	3/4	255			
LNAV MDA	1020	1	360	1020	1	360	1020	1	360	1020	1	360			
CIRCLING	1140	1	480	1240	1	580	1260	1 1/2	600	1420	2 1/2	760			



CHANGES - REASONS

1. COURSE/DISTANCE FROM PTW VORTAC TO HEWFY CHANGED FROM 198.29/12.18 TO 197.75/10.87 - HEWFY MOVED 1.31 NM N DUE TO LEG LENGTH ISSUES.
2. COURSE/DISTANCE FROM DQO VORTAC TO GOWZO CHANGED FROM 003.41/10.85 TO 000.20/9.37 - GOWZO MOVED 1.58 NM S DUE TO LEG LENGTH ISSUES.
3. COURSE/DISTANCE FROM HEWFY TO CERTS CHANGED FROM 202.81/5.00 TO 202.82/6.31 - HEWFY MOVED 1.31 NM N DUE TO LEG LENGTH ISSUES.
4. COURSE/DISTANCE FROM GOWZO TO CERTS CHANGED FROM 022.79/5.00 TO 022.78/6.58 - GOWZO MOVED 1.58 NM S DUE TO LEG LENGTH ISSUES.
5. COURSE/DISTANCE FROM CERTS TO EFECO CHANGED FROM 292.80/6.10 TO 292.79/6.02 - EFECO MOVED 488.92 FT E DUE TO NEW I-MQS ILS DESIGN TCH.
6. DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 5.21 TO 5.29 IN LINE 3 - EFECO MOVED 488.92 FT E DUE TO NEW I-MQS ILS DESIGN TCH.
7. REMOVED "DISTANCE TO THLD FROM 278 HAT: 0.70 NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "DIST TO THLD FROM 250 HAT: 0.61" TO LINE 5 - NEW LPV MINIMUMS, 8260.19I 8-6-7.E.
8. CHANGED 34:1 FROM "IS NOT CLEAR" TO "IS CLEAR" IN LINE 7 - NEW OBSTACLE EVALUATION.
9. CHANGED TCH FROM 56.4 TO 54.8 IN LINE 7 - EFECO MOVED 488.92 FT E DUE TO NEW I-MQS ILS DESIGN TCH.
10. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTES - CURRENT NOTATION PER 8260.19I 8-6-8.B(2).
11. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 C (4 F) OR ABOVE 47 C (116 F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 C OR ABOVE 54 C" - 8260.19I 8-6-9.R.
12. REMOVED "CHART NOTE: BARO-VNAV NA WHEN USING HERITAGE FIELD ALTIMETER SETTING" - MOVED TO 8260-9 PART C REMARKS FOR CONTINGENCY PURPOSES.
13. REMOVED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERITAGE FIELD ALTIMETER SETTING AND INCREASE ALL DA 98 FEET ALL MDA 100 FEET, LPV VISIBILITY 1/4 MILE ALL CATS, LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, LNAV VISIBILITY CATS 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.
14. REMOVED "CHART NOTE: VDP NA WHEN USING HERITAGE FIELD ALTIMETER SETTING" - MOVED TO 8260-9 PART C REMARKS FOR CONTINGENCY PURPOSES.
15. REMOVED "CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" - 34:1 SURFACE CLEAR, NEW OBSTACLE EVALUATION.
16. CHANGED "HOLD SW, RT, 055.00 INBOUND" TO "HOLD NE, RT, 231.18 INBOUND" IN ADDITIONAL FLIGHT DATA - CLEARANCE LIMIT MOVED TO GLOMO, ATC REQUEST.
17. CHANGED "CHART FAS OBST: 759 TREE 395846N/0755109W" TO "FAS OBST: 760 AAO 395830N/0754649W" IN ADDITIONAL FLIGHT DATA - NEW CONTROLLING OBSTACLE, 8260.19I 8-6-10.C.
18. CHANGED "CHART VDP AT 0.95 MILES TO RW29" TO "CHART VDP AT 0.95 NM TO RW29" AND REMOVED "'LNAV ONLY" IN ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10.M.
19. ADDED "LTP HAE: 167.6 M" TO ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10.J(3).
20. LPV DA/HAT CHANGED FROM 938/278 TO 910/250 - NEW OBSTACLE EVALUATION.
21. LPV VISIBILITY ALL CATS CHANGED FROM 1 SM TO 3/4 SM - LOWER LPV DA/HAT, 8260.3D TABLE 3-3-1.
22. LNAV/VNAV DA/HAT CHANGED FROM 1029/369 TO 915/255 - NEW OBSTACLE EVALUATION.
23. LNAV/VNAV VISIBILITY ALL CATS CHANGED FROM 1 SM TO 3/4 SM - LOWER LNAV/VNAV DA/HAT, 8260.3D TABLE 3-3-1.
24. LNAV VISIBILITY CAT D CHANGED FROM 1 1/4 SM TO 1 SM - 8260.3D TABLE 3-3-1.
25. CIRCLING MDA/HAA CAT C CHANGED FROM 1280/620 TO 1260/600, CAT D FROM 1440/780 TO 1420/760 - NEW OBSTACLE EVALUATION.
26. CIRCLING VISIBILITY CAT C CHANGED FROM 1 3/4 SM TO 1 1/2 SM- 8260.3D TABLE 3-3-7.
27. ADDED "790 AAO 395805N/0754407W" TO ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10.E.
28. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS ON DQO VORTAC AIRWAY RADIALS 309 CW 053" TO "PROCEDURE NA FOR ARRIVALS ON DQO VORTAC AIRWAY RADIALS 271 CW 080" - TURN GREATER THAN 90 DEGREES, 8260.19I 8-2-5.E(2).
29. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS ON PTW VORTAC AIRWAY RADIALS 205 CW 231" TO "PROCEDURE NA FOR ARRIVALS ON PTW VORTAC AIRWAY RADIALS 205 CW 287" - TURN GREATER THAN 90 DEGREES, 8260.19I 8-2-5.E(2).
30. CRC REMAINDER CHANGED FROM C3FA49CC TO E9275001 - LTP/FTP COORDINATES CHANGED FROM 395838.8800N/0755121.7200W TO 395838.8775N/0755121.7155W, LTP/FTP ELLISOIDAL HEIGHT CHANGED FROM +01677 TO +01676, FPAP COORDINATES CHANGED FROM 395849.6400N/0755229.6500W TO 395856.8595N/0755315.2425W, TCH CHANGED FROM 56.4 TO 54.8, COURSE WIDTH AT THLD CHANGED FROM 99.50 TO 106.75, LENGTH OFFSET CHANGED FROM 0 TO 1104.

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 25, 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



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMQS
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	395838.8775N
LTP/FTP LONGITUDE	0755121.7155W
LTP/FTP ELLIPSOIDAL HEIGHT	+01676
FPAP LATITUDE	395856.8595N
FPAP LONGITUDE	0755315.2425W
THRESHOLD CROSSING HEIGHT (TCH)	00054.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E9275001

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02012
FPAP ORTHOMETRIC HEIGHT	+02012



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KMQS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 1	<u>CITY</u> COATESVILLE	<u>STATE</u> PA	<u>AIRPORT ELEVATION</u> 660	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM PTW VORTAC TO HEWFY

<u>RNP</u>	<u>DISTANCE</u> 10.87	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (42-001022)	400331.57N/0753552.79W		1168	20	3	1A	1000				AT223	2400
TERRAIN	400336.00N/0753545.00W		728 (700)								AS1500	2200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM DQO VORTAC TO GOWZO

<u>RNP</u>	<u>DISTANCE</u> 9.37	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	394906.00N/0753703.00W		637	164	98	4E	1000				AT763	2400
TERRAIN	394906.00N/0753703.00W		436 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM
HEWFY

TO
CERTS

RNP	DISTANCE 6.31	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (42-001022)	400331.57N/0753552.79W		1168	20	3	1A	1000				AT232	2400
TERRAIN	400142.00N/0753427.00W		626 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
GOWZO

TO
CERTS

RNP	DISTANCE 6.58	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (42-002061)	395434.40N/0753939.90W		712	500	125	5E	1000				AT688	2400
TERRAIN	395212.00N/0753924.00W		475 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
CERTS

TO
EFECO

RNP	DISTANCE 6.02	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	395815.00N/0754345.00W		801	164	98	4E	500				AC98 AT1001	2400
TERRAIN	395815.00N/0754345.00W		601 (600)								AT1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
EFECO

TO
RW29

RNP	DISTANCE 5.29	PAT	MAP DA	HAT 250			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (42-029505)	395841.27N/0755112.03W		685	20	3	1A		34:1				910

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM
EFECO

TO
RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.29		DA	255								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC			MA5	915

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
EFECO

TO
RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.29		RW29	360								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	395830.39N/0754648.76W		760	50	20	2C	250					1020

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LPV

FROM
DA

TO
GLOMO

RNP	DISTANCE	PAT	MAP	HAT			HMAS 720					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	395957.00N/0755721.00W		1096	164	98	4E	1000					2100
TERRAIN	395957.00N/0755721.00W		896 (900)								AS1500	2400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
GLOMO

RNP	DISTANCE	PAT	MAP	HAT			HMAS 754					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (42-028827)	395833.74N/0755152.37W		789	20	3	1A		ASC				3000
AAO	395957.00N/0755721.00W		1096	164	98	4E	1000					2100
TERRAIN	395957.00N/0755721.00W		896 (900)								AS1500	2400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM
RW29

TO
GLOMO

RNP	DISTANCE	PAT	MAP	HAT			HMAS 920					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	395957.00N/0755721.00W		1096	164	98	4E	1000					2100
TERRAIN	395957.00N/0755721.00W		896 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
WATER_TOWER (42-029640)	395833.87N/0755249.09W	1.30	480	822	20	3	1A	300			1140
CATEGORY B											
TREE (42-075664)	395948.94N/0755426.73W	1.83	580	935	20	10	1B	300			1240
CATEGORY C											
TREE	400032.04N/0755526.54W	2.87	600	960	50	20	2C	300			1260
CATEGORY D											
AAO	400220.92N/0755401.54W	3.75	760	1120	50	20	2C	300			1420

CIRCLING REMARKS:



MSA

CENTER

RW29

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	401927.00N/0761145.00W	334	26.0	1588	164	98	4E	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

NO TAA PER ATC REQUEST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
PHL APP CON

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KMQS	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMQS	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KPTW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KPTW	<u>DISTANCE</u> 21.11	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 98

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KMQS 660, KPTW 308
RA = 97.9

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW11 - HIRL (PCL), REIL (PCL), VASI-4R (PCL)		NPI-G	
RW29 - HIRL (PCL), REIL (PCL), PAPI-4L		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 660	<u>TCH</u> 54.8	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 56.6
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -16C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -16C	<u>APT ISA</u> +13.69C
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CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1272.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 790 AAO 395805N/0754407W.

FOR CONTINGENCY PURPOSES:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERITAGE FIELD ALTIMETER SETTING AND INCREASE ALL DA 98 FEET ALL MDA 100 FEET, LPV VISIBILITY 1/4 SM ALL CATS, LNAV/VNAV VISIBILITY 1/4 SM ALL CATS, LNAV VISIBILITY CATS C AND D 3/8 SM, AND CIRCLING VISIBILITY CAT C 1/2 SM AND CAT D 1/4 SM.
BARO-VNAV NA WHEN USING HERITAGE FIELD ALTIMETER SETTING.
VDP NA WHEN USING HERITAGE FIELD ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KMQS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 1	<u>CITY</u> COATESVILLE	<u>STATE</u> PA	<u>AIRPORT ELEVATION</u> 660	<u>FACILITY</u> RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.78
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	281.72
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	4.69
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	281.72
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD
COORDINATES
(IF STR-IN)

395838.88N/0755121.72W

ARP COORDINATES

395844.30N/0755155.70W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 29 DISTANCE 0.44 NM

FAF
COORDINATES

395734.54N/0754437.30W

FIX NAME
COORDINATES

REMARKS

QUALITY
42
CHECKED

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Electronic Version

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PART E: PREPARED BY

<u>NAME</u> ANTHONY CAPPABIANCO	<u>OFFICE</u> AJV-A422	<u>DATE</u> 04/20/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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