

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
PHL	ILS Z OR LOC RWY 17	9	PHILADELPHIA	PA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
36	11	ILS Z OR LOC RWY 17	8D	10/03/2024	12W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-MYY		12 JUNE 2025	ROUTINE			

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PTW VORTAC	IAF	COWAD INT/I-MYY 14.21 DME/RADAR					136.57	12.97	3000
COWAD INT/I-MYY 14.21 DME/RADAR	IF	HYILL INT/I-MYY 7.31 DME	PFAF				171.06 (I-MYY)	6.90	2000

MISSED APPROACH

MAP:

ILS: DA
LOC: 6.10 NM AFTER HYILL INT/I-MYY 7.31 DME OR AT I-MYY 1.21 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT COWAD INT/I-MYY 14.21 DME/RADAR
- FAC: 171.06 FAF: HYILL INT/I-MYY 7.31 DME PFAF: HYILL INT/I-MYY 7.31 DME DIST FAF TO MAP: 6.10 DIST FAF TO THLD: 6.10
- MIN ALT: COWAD INT/I-MYY 14.21 DME/RADAR 3000, HYILL INT/I-MYY 7.31 DME 2000, HOOCH INT/I-MYY 3.41 DME 760
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 948
- MIN GS INCPT: 2000 GS ALT AT PFAF: HYILL INT/I-MYY 7.31 DME 2000 OM: MM: IM:
- GS ANGLE: 3.00 34:1 20:1 TCH: 50.2
- MSA FROM: OOD VORTAC 2600



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 17 ALL CATS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PTW VORTAC AIRWAY RADIALS 095 CW 188.

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 17 CAT A VISIBILITY TO RVR 5500, CAT B VISIBILITY TO 1 1/4 SM, AND CAT C/D VISIBILITY TO 2 SM. HOOCH FIX MINIMUMS: INCREASE S-LOC 17 CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D VISIBILITY TO 1 3/8 SM.

CHART NOTE: CIRCLING NA TO RWY 8.

ADDITIONAL FLIGHT DATA:

CHART: NAAS MUSTIN (ABANDONED)

CHART PTW 12.97 DME AT COWAD.

HOLD SW, LT, 032.28 INBOUND.

CHART FAS OBST: 223 TREE (42-129105) 395603N/0751605W.

CHART VDP AT 2.53 DME.

DISTANCE VDP TO THLD 1.32 NM.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 800-2 1/4

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 17	261	4000	250	261	4000	250	261	4000	250	261	4000	250			
S-LOC 17	760	4000	749	760	5500	749	760	1 7/8	749	760	1 7/8	749			
CIRCLING	760	1	724	760	1 1/4	724	760	2	724	760	2 1/4	724			
HOOCH FIX MINIMUMS															
S-LOC 17	480	4000	469	480	4000	469	480	6000	469	480	6000	469			
CIRCLING	540	1	504	600	1	564	620	1 1/2	584	720	1 1/2	684			

CHANGES - REASONS

1. REMOVED INITIAL SEGMENT ARD VOR/DME TO COWAD AND ARD R-254 FROM PROCEDURE - ARD VOR RADIAL 254 UNUSEABLE BELOW 3500.
2. LOWERED IF ALTITUDE AT COWAD FROM 3500 TO 3000 - ALLOWED WITH REMOVAL OF ARD VOR/DME INITIAL SEGMENT AND R-254 AS A CROSSING RADIAL.
3. ADDED EQUIPMENT REQUIREMENTS NOTE 'DME OR RADAR REQUIRED' - PER FPT TO MITIGATE REQUIREMENT IN 8260.3F PARA. 2-9-9C(2)(B)2: ALL FIXES FROM THE IF TO A STEPDOWN FIX IN FINAL MUST BE FORMED USING THE SAME CROSSING FACILITY. MXE VOR RADIAL TO IF COWAD UNUSABLE PER AIRNAV. REQUESTED BY ATC/FPT.
4. CHANGED NOTE 'INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 17 ALL CATS AND S-LOC 17 CAT A' TO 'INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 17 ALL CATS' - PER 8260.3F VISIBILITY TABLES 3-3-1 AND INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE.
5. CHANGED NOTE 'FOR INOPERATIVE ALS, INCREASE S-LOC 17 CAT C VISIBILITY TO 2 SM. HOOCH FIX MINIMUMS: INOPERATIVE TABLE DOES NOT APPLY TO CATS A/B' TO 'FOR INOPERATIVE ALS, INCREASE S-LOC 17 CAT A VISIBILITY TO RVR 5500, CAT B VISIBILITY TO 1 1/4 SM, AND CAT C/D VISIBILITY TO 2 SM. HOOCH FIX MINIMUMS: INCREASE S-LOC 17 CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D VISIBILITY TO 1 3/8 SM' - PER 8260.3F VISIBILITY TABLES 3-3-1, 3-3-3, AND 3-3-4 AND INOPERATIVE COMPONENTS OR VISUAL AIDS TABLE.
6. REMOVED PLANVIEW NOTE 'PROCEDURE NA FOR ARRIVAL ON ARD VOR/DME AIRWAY RADIALS 200 CW 304' - ARD VOR/DME TO COWAD INITIAL SEGMENT REMOVED.
7. ADDED PLANVIEW NOTE 'PROCEDURE NA FOR ARRIVAL ON PTW VORTAC AIRWAY RADIALS 095 CW 188' - REQUIRED DUE TO REMOVAL OF ARD VOR/DME TO COWAD INITIAL SEGMENT.
8. CHANGED NOTE 'RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED' TO 'RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED' - PREVIOUS NOTE APPLIED TO A 20:1 PENETRATION THAT NO LONGER EXISTS AND PER 8260.19J PARA. 8-6-12K(2).
9. CHANGED FAS OBST FROM 217 ROD ON STK (KPHL0069) 395454N/0751450W TO 223 TREE (42-129105) 395603N/0751605W - PULLED FROM AIRNAV OBSTACLE DATABASE.
10. REMOVED 7:1 OBSTACLES FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED BY CRITERIA. LISTED ON 8260-9 PART C: GENERAL REMARKS.
11. ADDED VDP AT 2.53 NM TO THLD/I-MYY 1.32 DME - PREVIOUS 20:1 PENETRATIONS THAT PREVENTED VDP PLACEMENT HAVE BEEN REMOVED.
12. CHANGED S-ILS 17 DA/HAT FROM 260/249 TO 261/250 AND VISIBILITY REDUCED FROM RVR 5000 TO RVR 4000 - NEW CONTROLLING OBSTRUCTION AND PREVIOUS 20:1 PENETRATIONS REMOVED.
13. CHANGED S-LOC 17 VISIBILITY CAT A FROM RVR 5000 TO RVR 4000 AND CAT D FROM 2 1/4 SM TO 1 7/8 SM - PER 8260.3F VISIBILITY TABLES 3-3-1, 3-3-3, AND 3-3-4.
14. CHANGED HOOCH FIX MINIMUMS S-LOC 17 VISIBILITY CAT A/B FROM RVR 5000 TO RVR 4000 - PREVIOUS 20:1 PENETRATIONS REMOVED AND PER PER 8260.3F VISIBILITY TABLES 3-3-3 AND 3-3-4.
15. ADDED CLIMB-IN-HOLD AT JEPUG ON PRIMARY MISSED APPROACH - PER UPDATED MISSED APPROACH CRITERIA.
16. CHANGED PRIMARY MISSED APPROACH FROM 'CLIMB TO 3000 ON HEADING 155 AND ARD VOR/DME R-207 TO JEPUG INT AND HOLD' TO 'CLIMB TO 480 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 155.00 AND ARD VOR/DME R-207.00 TO JEPUG INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000' - PER 8260.3F PARA. 10-3-3B(2) AND 8260.19J PARA. 8-6-6D(2) AND (7).
17. CHANGED ALTERNATE MISSED APPROACH FROM 'CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD' TO 'CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD SW, LT, 32.28 INBOUND' - PER 8260.3F PARA. 10-3-3B(2) AND 8260.19J PARA. 8-6-6D(2) AND (7).
18. ADDED NOTE 'CIRCLING NA TO RWY 8' - PER ATC REQUEST DUE TO 20:1 PENETRATION AND RWY 8 RESTRICTED TO TAKEOFFS ONLY.

04/22/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/03/25.

1. REMOVED PRIMARY MISSED APPROACH AND HOLDING - PER FLIGHT INSPECTION, ARD VOR/DME R-207 RESTRICTED.
2. COVERED SECONDARY MISSED APPROACH TO PRIMARY MISSED APPROACH - RECOMMENDED BY FLIGHT INSPECTION AND APPROVED BY FPT/ATC.
3. REPLACED PRIMARY HOLDING AT JEPUG 'HOLD NW, RT, 148.17 INBOUND' WITH 'HOLD SW OOD VORTAC, LT, 032.28 INBOUND' IN ADDITIONAL FLIGHT DATA - PER FLIGHT INSPECTION RECOMMENDED CHANGES.

05/01/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/23/25.

1. CHANGED VDP LOCATION FROM CHART VDP AT 1.32 DME/DISTANCE VDP TO THLD 2.53 NM TO CHART VDP AT 2.53 DME/DISTANCE VDP TO THLD 1.32 NM IN ADDITIONAL FLIGHT DATA.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZNY, ZDC, PHL APP CON, AMGR

FLIGHT CHECKED BY MICHAEL GRANT CAMPBELL	Digitally signed by ALLAN WILL	OFFICE FIOG	DATE 04/01/2025
	May 02, 2025		
DEVELOPED BY RALPH DUMAR	Digitally signed by RALPH DUMAR	OFFICE AJV-A422	DATE 02/03/2025
	May 01, 2025		
APPROVED BY BEV L BORDY	Digitally signed by ALLAN WILL	OFFICE AJV-A420	DATE
	May 02, 2025		TITLE MANAGER

