

**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.

<b>AIRPORT ID</b> PHL	<b>PROCEDURE NAME</b> ILS V RWY 9R (CONVERGING)	<b>ORIGINAL/AMENDMENT</b> 7	<b>CITY</b> PHILADELPHIA	<b>STATE</b> PA
<b>AIRPORT ELEVATION</b> 36	<b>TDZE</b> 21	<b>SUPERSEDED</b> ILS V RWY 9R (CONVERGING)	<b>ORIGINAL/AMENDMENT</b> 6	<b>DATED</b> 07/19/2018
<b>FACILITY</b> I-PHL	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 12 JUNE 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>MAG VAR</b> 12W
				<b>EPOCH YEAR</b> 2000
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MXE VORTAC	IAF	BWINE INT/MXE 8.59 DME					151.81	8.59	4000
BWINE INT/I-PHL 15.69 DME	IF	ASOCI INT/I-PHL 11.78 DME					087.47 (I-PHL)	3.91	3000
ASOCI INT/I-PHL 11.78 DME		KELEE INT/I-PHL 7.56 DME	PFAF				087.47 (I-PHL)	4.22	1800

**MISSED APPROACH**

**MAP:**  
ILS: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DQO VORTAC AND HOLD E, LT, 248.00 INBOUND.

**PROFILE:**

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BWINE INT/I-PHL 15.69 DME
- FAC:** 087.47 **PFAF:** KELEE INT/I-PHL 7.56 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:**
- MIN ALT:** BWINE INT/MXE 8.59 DME 4000, ASOCI INT/I-PHL 11.78 DME 3000, KELEE INT/I-PHL 7.56 DME 1800
- DIST TO THLD FROM OM:** 5.41 **MM:** **IM:** **150 HAT:** **GS ANT:** 1103
- MIN GS INCPT:** 1800 **GS ALT AT PFAF:** KELEE INT/I-PHL 7.56 DME 1800 **OM:** **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 57.6
- MSA FROM:** OOD VORTAC 2600



**EQUIPMENT REQUIREMENTS NOTES:**

RADAR REQUIRED.

**NOTES:**

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
 CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MXE VORTAC AIRWAY RADIALS 129 CW 177.  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 9R ALL CATS VISIBILITY TO 1 7/8 SM.

**ADDITIONAL FLIGHT DATA:**

CHART: NAAS MUSTIN (ABANDONED)  
 HOLD SW, LT, 032.28 INBOUND.  
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E DQO VORTAC, LT, 248.00 INBOUND.  
 CHART IN PLANVIEW: DQO VORTAC.

**MINIMUMS:**

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

**ALTERNATE:** NA  CAT A, B, C, D 700-2

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
S-ILS 09R	688	1 1/2	667	688	1 1/2	667	688	1 1/2	667	688	1 1/2	667			

**CHANGES - REASONS**

1. RAISED DA/HAT FROM 421/400 TO 688/667 AND VISIBILITY FROM RVR 3500 TO 1 1/2 SM - PER ATC/FPT REQUEST TO ENSURE MISSED APPROACH OEA BOUNDARY DOES NOT OVERLAP THE MISSED APPROACH OEA BOUNDARY OF THE ILS V RWY 17 (CONVERGING) APPROACH AND ALLOW SIMULTANEOUS APPROACH FOR BOTH.
2. CHANGED NOTE 'FOR INOPERATIVE ALS, INCREASE S-ILS 9R ALL CATS VISIBILITY TO RVR 6000' TO 'FOR INOPERATIVE ALS, INCREASE S-ILS 9R ALL CATS VISIBILITY TO 1 7/8 SM' - COINCIDES WITH VISIBILITY INCREASE TO 1 1/2 SM.
3. CHANGED PRIMARY MISSED APPROACH INSTRUCTIONS FROM 'CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD' TO 'CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT OOD VORTAC AND HOLD' - PER 8260.3F PARA. 10-3-3B(2) AND 8260.19J PARA. 8-6-6D(2) AND (7).
4. CHANGED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM 'CLIMBING RIGHT TURN TO 3000 DIRECT DQO VORTAC AND HOLD E, LT, 248.00 INBOUND' TO 'CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DQO VORTAC AND HOLD E, LT, 248.00 INBOUND' - PER 8260.3F PARA. 10-3-3B(2) AND 8260.19J PARA. 8-6-6D(2) AND (7).
5. PROFILE LINE 5: CHANGED GS ANT ELEVATION FROM 1102 TO 1103 - PER UPDATED AIRNAV DATA.
6. REMOVED REDUNDANT 'EQUIPMENT REQUIREMENTS NOTES' PRIOR TO 'RADAR REQUIRED' - NOT REQUIRED.
7. AUTHORIZED ALTERNATE MINIMUMS AND ADDED CAT A, B, C, D 700-2 - PER 8260.3F PARA. 3-4-1A.



**AIRPORT ID**  
PHL

**PROCEDURE NAME**  
ILS V RWY 9R  
(CONVERGING)

**ORIGINAL/AMENDMENT**  
7

**CITY**  
PHILADELPHIA

**STATE**  
PA

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** ZDC, PHL APP CON, PHL ATCT, AMGR

*Digitally signed by*

**FLIGHT CHECKED BY**

MICHAEL G CAMPBELL

**RAKE MCGRAW**

Apr 04, 2025

**OFFICE**

AJF

**DATE**

03/27/2025

**DEVELOPED BY**

RALPH DUMAR

*Digitally signed by*

**RALPH DUMAR**

Mar 14, 2025

**OFFICE**

AJV-A422

**DATE**

01/29/2025

**APPROVED BY**

BEV L BORDY

*Digitally signed by*

**RAKE MCGRAW**

Apr 04, 2025

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

