

**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 OR LOC RWY 27L ILS RWY 27L (SA CAT II)	<b>ORIGINAL/AMENDMENT</b> 16	<b>CITY</b> PHILADELPHIA	<b>STATE</b> PA
<b>AIRPORT ELEVATION</b> 36	<b>TDZE</b> 10	<b>SUPERSEDED</b> ILS OR LOC RWY 27L ILS RWY 27L (SA CAT II)	<b>ORIGINAL/AMENDMENT</b> 15	<b>DATED</b> 12/02/2021
<b>FACILITY</b> I-GLC	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 25 JANUARY 2024	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>MAG VAR</b> 12W
				<b>EPOCH YEAR</b> 2020
				<b>CANCEL/SUSPEND</b>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CYN VORTAC	IAF	FESTI/I-GLC 11.19 DME/RADAR					293.02	26.71	3000
FESTI/I-GLC 11.19 DME/RADAR	IF	TORNE/I-GLC 8.72 DME/RADAR					267.49	2.48 (I-GLC)	3000

**MISSED APPROACH**

**MAP:**  
ILS: DA  
LOC: 8.54 NM AFTER TORNE/I-GLC 8.72 DME/RADAR OR AT XIVOY/I-GLC 0.19 DME

**MISSED APPROACH INSTRUCTIONS:**  
CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT OOD VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**  
CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MXE VORTAC AND HOLD.

**PROFILE:**

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT FESTI/I-GLC 11.19 DME/RADAR
- FAC:** 267.49 **FAF:** TORNE/I-GLC 8.72 DME/RADAR **DIST FAF TO MAP:** 8.54 **DIST FAF TO THLD:** 9.21
- MIN ALT:** FESTI/I-GLC 11.19 DME/RADAR 3000, TORNE/I-GLC 8.72 DME/RADAR 3000, GLOUS/I-GLC 5.81 DME/RADAR 2060
- DIST TO THLD FROM OM:** **MM:** **IM:** **100 HAT:** 814 **150 HAT:** **GS ANT:** 1094
- MIN GS INCPT:** 3000 **GS ALT AT FAF:** TORNE/I-GLC 8.72 DME/RADAR 3000 **OM:** **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 57.2
- MSA FROM:** OOD VORTAC 2600



**PBN REQUIREMENTS NOTE:**

DME OR RADAR REQUIRED.

**NOTES:**

SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27L: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 110 MSL.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.

CHART NOTE: \*\* RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CYN VORTAC AIRWAY RADIALS 246 CW 274.

**ADDITIONAL FLIGHT DATA:**

CHART IN PROFILE VIEW: I-GLC DME ANTENNA

HOLD SW, LT, 032.28 INBOUND.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW MXE VORTAC, RT, 054.00 INBOUND.

CHART FAS OBST: 388 BRIDGE (34-000310) 395417N/0750733W.

CHART VDP AT 1.00 DME.

DISTANCE VDP TO THLD 1.49 NM.

CHART IN PLANVIEW: MXE VORTAC.

CHART CIRCLING ICON.

**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 27L**	210	2400	200	210	2400	200	210	2400	200	210	2400	200				
S-LOC 27L	560	2400	550	560	2400	550	560	6000	550	560	6000	550				
CIRCLING	560	1	524	600	1	564	620	1 5/8	584	720	2 1/4	684				

**CHANGES - REASONS**

1. TERMINAL ROUTES, CHANGED DISTANCE FROM FIX FESTI TO FIX TORNE FROM 2.47 NM TO 2.48 NM. – UPDATED CALCULATIONS, FIX FESTI MOVED 1.42 FT NORTH AND FIX TORNE MOVED 4.03 FT WEST.
2. PROFILE LINE 2, CHANGED DIST TO THLD FROM "100 HAT: 819" TO "100 HAT:814". – UPDATED FINAL APPROACH CALCULATIONS AND PFAF MOVED 4.03 FT WEST.



**AIRPORT ID**  
PHL

**PROCEDURE NAME**  
ILS OR LOC RWY 27L  
ILS RWY 27L (SA CAT II)

**ORIGINAL/AMENDMENT**  
16

**CITY**  
PHILADELPHIA

**STATE**  
PA

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZDC, PHL APP CON, PHL ATCT, AMGR

**FLIGHT CHECKED BY**  
MICHAEL G CAMPBELL

*Digitally signed by*  
**ERIC N SUSKI**  
Dec 07, 2023

**OFFICE**  
FPO  
**DATE**  
12/05/2023

**DEVELOPED BY**  
MICHAEL MCCARTNEY

*Digitally signed by*  
**MICHAEL A MCCARTNEY**  
Oct 19, 2023

**OFFICE**  
AJV-A431  
**DATE**  
09/22/2023

**APPROVED BY**  
ERIC N SUSKI

*Digitally signed by*  
**ERIC N SUSKI**  
Oct 26, 2023

**OFFICE**  
AJV-A431  
**DATE**  
**TITLE**  
MANAGER

