

**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> KPHX	<u>PROCEDURE NAME</u> ILS OR LOC RWY 8	<u>ORIGINAL/AMENDMENT</u> ORIG-F	<u>CITY</u> PHOENIX	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 1135	<u>TDZE</u> 1118	<u>SUPERSEDED</u> ILS OR LOC RWY 8	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 04/23/2020	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-SYQ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 22-03.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ALLIS INT	IAF	SARTE/I-SYQ 22.06 DME/RADAR					123.00 & 078.06	0.89 & 9.42 (I-SYQ)	6000
SARTE/I-SYQ 22.06 DME/RADAR		HIKID/I-SYQ 18.50 DME/RADAR					078.06	3.56 (I-SYQ)	6000
HIKID/I-SYQ 18.50 DME/RADAR		ILIKE/I-SYQ 14.91 DME/RADAR					078.06	3.59 (I-SYQ)	5000
ILIKE/I-SYQ 14.91 DME/RADAR	IF	JAMIL/I-SYQ 11.32 DME/RADAR					078.06	3.59 (I-SYQ)	4000
JAMIL/I-SYQ 11.32 DME/RADAR		WAZUP/I-SYQ 7.73 DME/RADAR					078.06	3.59 (I-SYQ)	3000

MISSED APPROACH

MAP:

ILS: DA

LOC: 5.82 NM AFTER WAZUP/I-SYQ 7.73 DME/RADAR OR AT I-SYQ 1.91 DME 

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 280 AND PXR VORTAC R-336 TO AVENT INT/15.87 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 5000 DIRECT IWA VORTAC AND HOLD. SIMULTANEOUS APPROACHES NA.

QUALITY
18
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT ILIKE

3. FAC: 078.06

FAF: WAZUP/I-SYQ 7.73 DME/RADAR

DIST FAF TO MAP:

DIST FAF TO THLD: 5.82

4. MIN ALT: ILIKE/I-SYQ 14.91 DME/RADAR 5000, JAMIL/I-SYQ 11.32 DME/RADAR 4000, WAZUP/I-SYQ 7.73 DME/RADAR 3000

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT: 1019

6. MIN GS INCPT: 3000

GS ALT AT FAF : WAZUP/I-SYQ 7.73 DME/RADAR 3000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1:

20:1:

TCH: 55.0

8. MSA FROM: PXR VORTAC 100-190 4800, 190-340 5800, 340-100 6200

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1307 MSL.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 8.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 8 CAT C/D VISIBILITY TO 2 SM.

ADDITIONAL FLIGHT DATA:

USE I-SYQ DME WHEN ON THE LOCALIZER COURSE.
HOLD NW, RT, 156.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S IWA VORTAC, RT, 360.00 INBOUND.
CHART FAS OBST: 1535 TOWER (04-000064) 332610N/1120637W.
CHART VDP AT 4.03 DME
DISTANCE VDP TO THLD 2.12 NM.
CHART IN PLANVIEW: IWA VORTAC.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C 1000-2 3/4, CAT D 1500-3

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 8	1368	3/4	250	1368	3/4	250	1368	3/4	250	1368	3/4	250			
S-LOC 8	1860	3/4	742	1860	1	742	1860	1 7/8	742	1860	1 7/8	742			
CIRCLING	1860	1	725	1860	1 1/4	725	2040	2 3/4	905	2560	3	1425			



CHANGES - REASONS

1. ADDED CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1307 MSL - PER FLIGHT CHECK/FIFO REQUEST.
2. CHANGED S-ILS 8 VISIBILITY ALL CATS FROM 1 TO 3/4, S-LOC 8 VISIBILITY CAT A FROM 1 TO 3/4, CAT B FROM 1 1/4 TO 1, CAT C FROM 2 1/4 TO 1 7/8, AND CAT D FROM 2 1/2 TO 1 7/8. - UPDATED VISCHECK RESULTS.
3. INCORPORATED CHANGES FROM P-NOTAM FOR ORIG-B, ORIG-C, ORIG-D, ORIG-E, AND NOTAM 0/6387 INTO THIS FORM - IAW 8260.19I PARA 8-3-4. C (3).
4. ADDED INOP CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 8. - UPDATED VISCHECK RESULTS.
5. ADDED INOP CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 8 CAT C/D VISIBILITY TO 2 SM.
6. DELETED ADDITIONAL FLIGHT DATA CHART NOTE: RW08 THLD DSPLD 910 FT. - UPDATED CRITERIA.
7. DELETED ADDITIONAL FLIGHT DATA CHART NOTE FAS OBST: 1125 HANGER 332631/1120141. - ONLY NON-PRECISION OBSTACLES ARE DOCUMENTED IAW 8260.19I PARA 8-6-10.C.
8. CHANGED ADDITIONAL FLIGHT DATA CHART NOTE FROM 1750 BLDG 332703/1204Z7 TO CHART FAS OBST: 1535 TOWER (04-000064) 332610.07N/1120636.79W - NEW CONTROLLING OBSTACLE.
9. ADDED ADDITIONAL FLIGHT DATA NOTE CHART IN PLANVIEW: IWA VORTAC AND ALTERNATE MA HOLDING, HOLD S IWA VORTAC, RT, 360 INBOUND. - IAW 8260.19I PARA 8-6-6. H (2).
10. ADDED TO PROFILE LINE 6 ALTITUDE 3000 TO GS ALT AT FAF: WAZUP/I-SYQ 7.73 DME/RADAR 3000. - IAW 8260.19I PARA 8-6-7. F (3).
11. CHANGED DIST FAF TO THLD FROM 5.67 TO 5.82 IN PROFILE LINE 3 - NEW TARGETS EVALUATION.
12. ADDED IN ADDITIONAL FLIGHT DATA NOTE: CHART VDP AT 4.03 DME. - 20:1 PENETRATIONS NO LONGER EXIST.
13. ADDED IN ADDITIONAL FLIGHT DATA NOTE: DISTANCE VDP TO THLD 2.12 NM. - 20:1 PENETRATIONS NO LONGER EXIST.

12/13/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 12/06/2021:

1. DELETED "NOPT" FROM TERMINAL ROUTES #1 FIX TYPE.
2. CHANGED LOC (MAP) FROM: 7.73 NM AFTER WAZUP/I-SYQ 7.73 DME/RADAR OR AT I-SYQ 1.91 DME TO: LOC: 5.82 NM AFTER WAZUP/I-SYQ 7.73 DME/RADAR OR AT I-SYQ 1.91 DME

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAB, PHX ATCT, AZ AERO, AMGR

FLIGHT CHECKED BY

DANIEL C FAVORITE

Digitally signed by

JON DENTON

Dec 14, 2021

OFFICE

FPO

DATE

12/02/2021

DEVELOPED BY

LONNIE EVERHART (KATHERINE EUBANKS)

Digitally signed by

JON DENTON

Dec 14, 2021

OFFICE

AJV-A432

DATE

07/23/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Dec 14, 2021

OFFICE

AJV-A430

DATE**TITLE**

MANAGER