

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</u> SYRACUSE HANCOCK INTL	<u>AIRPORT ID</u> KSYR	<u>PROCEDURE NAME</u> ILS OR LOC RWY 28 ILS RWY 28 (SA CAT I), ILS RWY 28 (CAT II)	<u>ORIGINAL/AMENDMENT</u> 35	<u>CITY</u> SYRACUSE	<u>STATE</u> NY	
<u>AIRPORT ELEVATION</u> 421	<u>TDZE</u> 413	<u>SUPERSEDED</u> ILS OR LOC RWY 28 ILS RWY 28 (SA CAT I), ILS RWY 28 (CAT II)	<u>ORIGINAL/AMENDMENT</u> 34B	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 13W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-SYR	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<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>
STODA/I-SYR 10.26 DME/RADAR	IF/IAF	TILLE/I-SYR 6.11 DME/RADAR					280.44	4.15	2100
TILLE/I-SYR 6.11 DME/RADAR		ZIMBI/I-SYR 3.43 DME/RADAR					280.44	2.68	1600

MISSED APPROACH

MAP:

ILS: DA
LOC: 3.58 NM AFTER ZIMBI/I-SYR 3.43 DME/RADAR OR AT I-SYR 0.15 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SYR VORTAC 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. HOLD E STODA, RT, 280.44 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 280.44 FAF: ZIMBI/I-SYR 3.43 DME/RADAR DIST FAF TO MAP: 3.58 DIST FAF TO THLD: 3.58
4. MIN ALT: STODA/I-SYR 10.26 DME/RADAR 2700, TILLE/I-SYR 6.11 DME/RADAR 2100, ZIMBI/I-SYR 3.43 DME/RADAR 1600
5. DIST TO THLD FROM OM: MM: IM: 0.18 100 HAT: 1004 150 HAT: 1958 GS ANT: 975
6. MIN GS INCPT: 1600 GS ALT AT FAF : ZIMBI/I-SYR 3.43 DME/RADAR 1600 OM: MM: IM: 512
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 60.0
8. MSA FROM: SYR VORTAC 020-110 2800, 110-260 3700, 260-020 2100

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.



NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 28: CAT A, B, C, D RA 150, RVR 1400, HAT 150, DA 563 MSL.
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 28: CAT A, B, C, D RA 100, RVR 1200, HAT 100, DA 513 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE: I-SYR DME ANTENNA.
HOLD NW, LT, 114.00 INBOUND.
CHART CIRCLING ICON.
CHART VDP AT 0.92 DME*
DISTANCE VDP TO THLD 1.06 NM
* LOC ONLY
CHART FAS OBST: 550 POLE 430621N/0760330W.
615 AAO 430658N/0760023W.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: 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
S-ILS 28	613	1800	200	613	1800	200	613	1800	200	613	1800	200			
S-LOC 28	800	2400	387	800	2400	387	800	3500	387	800	3500	387			
CIRCLING	900	1	479	920	1	499	1020	1 1/2	599	1180	2 1/2	759			

CHANGES - REASONS

1. REMOVED GGT VORTAC FROM STODA AS A CROSSING RADIAL AND AS ALTERNATE MISSED APPROACH. - FACILITY SCHEDULED FOR DECOM.
2. CHANGED VDP FROM 0.94 DME TO 0.92 DME AND FROM 1.08 NM TO 1.06 NM. - NEW EVALUATION COMPLETED.
3. CHANGED 100 HAT: FROM 756 TO 1004 AND 150 HAT FROM 1710 TO 1958 IN LINE 5. - IAW 8260.3D FORMULA 3-2-2.
4. ADDED HOLD-IN-LIEU AT STODA. - IAW 8260.19H 8-6-6 G(6).
5. CHANGED CIRCLING CMDA CAT A FROM 880 TO 900 AND CAT B FROM 900 TO 920 AND CAT C FROM 900 TO 1020 AND CAT D FROM 980 TO 1180. - EVALUATED UNDER NEW CIRCLING CRITERIA.
6. ADDED ALTERNATE MINS FOR CAT D CIRC AT 800 AND 2 1/2. - CIRCLING UPDATE YIELDED HIGHER CMDA.
7. ADDED TILLE AS INTERMEDIATE SDF. - AVOID RASING FAF ALTITUDE DUE TO HIGH TERRAIN.
8. REMOVED DME OR RADAR REQUIRED FROM NOTES: AND ADDED IN EQUIPMENT REQUIREMENT NOTES:. - IAW 8260.19H 8-6-8 A.
9. CHANGED CHART FAS OBST: FROM 539 TREE TO 550 POLE. - NEW EVALUATION YIELDED NEW CONTROLLING OBSTACLES.
10. ADDED CHART CIRCLING ICON. - UPDATED TO NEW CIRCLING CRITERIA.
11. DELETED INOPERATIVE LIGHTING NOTE - VISIBILITY MINS SUPPORT NEW INOP TABLE
12. ADDED 615 AAO 430657N/0760022W IN ADDITIONAL FLIGHT DATA. - NEW EVALUATION YIELDS 7:1 OBST.



AIRPORT

SYRACUSE HANCOCK INTL

AIRPORT ID

KSYR

PROCEDURE NAME

ILS OR LOC RWY 28
ILS RWY 28 (SA CAT I),
ILS RWY 28 (CAT II)

ORIGINAL/AMENDMENT

35

CITY

SYRACUSE

STATE

NY

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, SYR ATCT, ANG TERPS, AMGR

FLIGHT CHECKED BY

ALEX KRAUSE

Digitally signed by

MARLON J ROBINSON

OFFICE

FICO

DATE

11/17/19

DEVELOPED BY

CASIMIR L. TABAKA (ANDRE TUCKER)

Digitally signed by

HEIDI SNIDER

Oct 31, 2019

OFFICE

AJV-A422

DATE

05/13/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

HEIDI SNIDER

Oct 31, 2019

OFFICE

AJV-A420

DATE

TITLE

MANAGER

