

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SYRACUSE	<u>STATE</u> NY	
<u>AIRPORT ELEVATION</u> 421	<u>TDZE</u> 417	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 03/08/2012	<u>MAG VAR</u> 13W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<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>
PAGER	IAF	ELESE		TF	FB	1.00	225.45	11.95	3000
WIFFY	IAF	ELESE		TF	FB	1.00	072.97	12.43	3000
ELESE	IF	NADSY		TF	FB	1.00	146.69	5.90	2300
NADSY	FAF	RW15	MAP	TF	FO	0.30	146.78	5.75	
RW15	MAP	1600 MSL		CA			146.78		1600
1600 MSL		STODA		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 3200 DIRECT STODA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT ELESE

3. FAC: 146.78

FAF: NADSY

DIST FAF TO MAP: 5.75

DIST FAF TO THLD: 5.75

4. MIN ALT: ELESE 3000, NADSY 2300

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.62

GS ANT:

6. MIN GP INCPT: 2300

GP ALT AT FAF : NADSY 2300

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 53.0

8. MSA FROM: RW15 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV DA ALL CATS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIFFY ON V2 WESTBOUND, AND ARRIVALS AT PAGER ON V29 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.26 NM TO RW15*
*LNAV ONLY
WAAS CHANNEL #50117
REFERENCE PATH ID: W15A
FAS OBST: 630 AAO 431147N/0761201W.
HOLD SE, RT, 292.62 INBOUND
LTP HAE: 93.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ 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
LPV DA	667	3/4	250	667	3/4	250	667	3/4	250	667	3/4	250			
LNAV/VNAV DA	894	1 1/8	477	894	1 1/8	477	894	1 1/8	477	894	1 1/8	477			
LNAV MDA	880	3/4	463	880	3/4	463	880	1 1/8	463	880	1 1/8	463			
CIRCLING	900	1	479	920	1	499	1020	1 1/2	599	1180	2 1/2	759			

CHANGES - REASONS

1. DELETED CHART NOTE: DME/DME RNP 0.3 NA AND ADDED PBN REQUIREMENT NOTES RNP APCH - 8260.19H 8-6-8B AND 8260.58A TABLE 1-2-2.
2. CHANGED INTERMEDIATE SEGMENT RNP VALUE FROM 0.50 TO 1.00 - IAW 8260.58A TABLE 1-2-1.
3. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3000 DIRECT XANTY AND LEFT TURN VIA 038.71 TRACK TO FAYET AND HOLD" TO "CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 3200 DIRECT STODA AND HOLD, CONTINUE CLIMB IN HOLD TO 3200" - REPLACED WITH TURN THAT IS LESS SHARP AND ENABLES A FULL EVALUATION OF MISSED APPROACH.
4. REMOVED LNAV STEPDOWN - NEW SURVEY DATA SHOWS THAT LOWER MINIMUMS CANNOT BE ACHIEVED.
5. UPDATED LPV DA/HAT FROM "735/318" TO "667/250" - NEW EVAL AND NEW SURVEY DATA.
6. UPDATED LNAV/VNAV DA/HAT FROM "889/472" TO "894/477" - NEW EVAL AND NEW SURVEY DATA.
7. UPDATED LNAV MDA/HAT FROM "900/483" TO "880/463" - NEW EVAL, NEW SURVEY DATA AND REMOVAL OF STEPDOWN FIX.
8. UPDATED CIRCLING MDA/HAA FROM "CAT B-C 900/479 AND CAT D 980/559" TO "CAT B 920/499, CAT C 1020/599, CAT D 1180/759" - NEW EVAL AND NEW CIRCLING CRITERIA APPLIED.
9. LNAV/VNAV MINS UPDATED FROM "1 3/4" TO "1 1/8" - NEW EVAL AND NEW VIS CHECK COMPLETED
10. LNAV CAT C MINS UPDATED FROM "1 1/4" TO "1 1/8" AND CAT D FROM "1 1/2" TO "1 1/8" -NEW EVAL AND NEW VIS CHECK COMPLETED
11. CIRCLING MINS UPDATED FROM "CAT D 2" TO "CAT D 2 1/2" - NEW EVAL AND NEW VIS CHECK COMPLETED
12. ADDED STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE TO ALTERNATE MINS. - UPDATED TO NEW CIRCLING AND CAT D CMDA/HAA RAISED TO 1180/759.
13. REMOVED ADDITIONAL FLIGHT DATA NOTE "DISTANCE TO THLD FROM 318 HAT 0.84 NM" - IAW CURRENT CRITERIA.
14. CHART VDP AT 1.26 NM TO RW15* IN ADDITIONAL FLIGHT DATA. - FINAL SDF NO LONGER EXISTS WHICH WAS PREVIOUSLY TOO CLOSE TO PUBLISH VDP.
15. CHANGED FAS OBST FROM 597 WATER TOWER TO 630 AAO IN ADDITIONAL FLIGHT DATA. - NEW EVAL COMPLETED.
16. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV DA ALL CATS. - NEW EVAL COMPLETED.
17. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIFFY ON V2 WESTBOUND AND ARRIVALS AT PAGER ON V29 NORTHBOUND. - IAW 8260.19H 8-2-5 G. (2).

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, SYR APP CON, SYR ATCT, 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)

Nov 19, 2019

Digitally signed by

HEIDI SNIDER

Oct 31, 2019

OFFICE

AJV-A422

DATE

09/04/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

HEIDI SNIDER

Oct 31, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSYR
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	430716.4185N
LTP/FTP LONGITUDE	0760646.2010W
LTP/FTP ELLIPSOIDAL HEIGHT	+00931
FPAP LATITUDE	430614.6795N
FPAP LONGITUDE	0760518.4765W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E7DC6D7A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01266
FPAP ORTHOMETRIC HEIGHT	+01266

