

**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) Z RWY 10	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> SYRACUSE	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 421	<u>TDZE</u> 421	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 10	<u>ORIGINAL/AMENDMENT</u> 2D	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 13W
<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>	<u>EPOCH YEAR</u> 2000

**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>
RODAN	IAF	MOYIK		TF	FB	1.00	064.46	5.04	3200
WIFFY	IAF	MOYIK		TF	FB	1.00	125.44	8.24	3200
MOYIK	IF	SOLVA		TF	FB	1.00	100.25	5.92	2100
SOLVA	FAF	TANUE/1.60 NM TO RW10		TF	FB	0.30	100.34	3.50	
TANUE/1.60 NM TO RW10		RW10	MAP	TF	FO	0.30	100.34	1.60	
RW10	MAP	621 MSL		CA			100.34		
621 MSL		STODA		DF	FO	1.00			3200

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW10

**MISSED APPROACH INSTRUCTIONS:**

CLIMB 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 MOYIK

3. FAC:

100.34

FAF: SOLVA

DIST FAF TO MAP: 5.10

DIST FAF TO THLD: 5.10

4. MIN ALT: MOYIK 3200, SOLVA 2100, TANUE/1.60 NM TO RW10 980\*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.46

GS ANT:

6. MIN GP INCPT:

2100

GP ALT AT FAF : SOLVA 2100

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.2

8. MSA FROM: RW10 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

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 RODAN ON V84 WESTBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIFFY ON V2 WESTBOUND.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO RVR 5500  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 1.02 NM TO RW10\*  
\*LNAV ONLY  
WAAS CHANNEL #40017  
REFERENCE PATH ID: W10A  
CHART FAS OBST: 547 ANTENNA 430552N/0760831W.  
749 AAO 430515N/0761446W.  
HOLD SE, RT, 292.62 INBOUND  
LTP HAE: 94 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**	621	2400	200	621	2400	200	621	2400	200	621	2400	200			
LNAV/VNAV DA	846	4000	425	846	4000	425	846	4000	425	846	4000	425			
LNAV MDA	800	2400	379	800	2400	379	800	3500	379	800	3500	379			
CIRCLING	900	1	479	920	1	499	1020	1 1/2	599	1180	2 1/2	759			

QUALITY  
22  
CHECKED

CHANGES - REASONS

1. ADDED 200 HAT: 0.46 TO LINE 5 - 8260.19H 8-6-7
2. ADDED 20:1: IS CLEAR TO LINE 7 - 20:1 IS CLEAR - 8260.19H 8-6-7
3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H 4-6-10
4. CHART NOTE CHANGED FROM CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-6F) OR ABOVE 54C (130F) TO CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C - UPDATED TEMPERATURE DATA AND FAHRENHEIT NO LONGER DOCUMENTED.
5. CHANGED CHART NOTE FROM CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CATS C/0 VISIBILITY TO 11/8 MILE TO CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO RVR 5500 - AJV VALIDATED VISCHECK CALCULATOR.
6. UPDATED 749 AAO 430516N/0761447W TO 749 AAO 430515N/0761446W IN ADDITIONAL FLIGHT DATA - 7:1 OBSTACLE UPDATED PER TARGETS
7. ALTERNATE MINS CHANGED FROM STANDARD TO STANDARD - CAT D 800-2 1/2 - 8260.19H 8-6-11
8. LNAV/VNAV DA/HAT CHANGED FROM 720/299 TO 846/425 AND VISIBILITY CHANGED FROM RVR 2400 TO RVR 4000 - NEW EVAL COMPLETED.
9. CIRCLING CAT A MDA/HAA CHANGED FROM 880/459 TO 900/479, CAT B FROM 900/479 TO 920/499, CAT C FROM 900/479 TO 1020/599, CAT D FROM 980/559 TO 1180/759 - NEW CIRCLING CRITERIA APPLIED.
10. CIRCLING CAT D VISIBILITY CHANGED FROM 2 TO 2 1/2 - NEW CIRCLING CRITERIA APPLIED.
11. FAS DATA CHANGED FPAP COORDS FROM: 430633.5100N-0760532.6400W TO 430633.5125N-0760532.6365W CRC REMAINDER: FROM A8949BD6 TO 3F3C99E0 - LENGTH OFFSET CHANGED FROM 0000 TO 0008.
12. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMB TO 3000 DIRECT STODA AND HOLD TO CLIMB TO 3200 DIRECT STODA AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3200 - TARGETS AC ALTITUDE DOES NOT END AT OR ABOVE HOLD ALTITUDE AND CLIMB-IN-HOLD IS REQUIRED.

COORDINATED WITH:

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

<div><div>FLIGHT CHECKED BY</div><div>ALEX KRAUSE</div></div>		<div><div>Digitally signed by</div><div>MARLON J ROBINSON</div></div>	<div><div>OFFICE</div><div>FICO</div></div>	<div><div>DATE</div><div>11/17/19</div></div>	
<div><div>DEVELOPED BY</div><div>CASIMIR L. TABAKA (ANDRE TUCKER)</div></div>		<div><div>Nov 19, 2019</div><div>Digitally signed by</div><div>HEIDI SNIDER</div></div>	<div><div>OFFICE</div><div>AJV-A422</div></div>	<div><div>DATE</div><div>09/04/2019</div></div>	
<div><div>APPROVED BY</div><div>MARLON ROBINSON</div></div>		<div><div>Digitally signed by</div><div>HEIDI SNIDER</div><div>Oct 31, 2019</div></div>	<div><div>OFFICE</div><div>AJV-A420</div></div>	<div><div>DATE</div><div></div></div>	<div><div>TITLE</div><div>MANAGER</div></div>



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSYR
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	430629.5195N
LTP/FTP LONGITUDE	0760734.1495W
LTP/FTP ELLIPSOIDAL HEIGHT	+00940
FPAP LATITUDE	430633.5125N
FPAP LONGITUDE	0760532.6365W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3F3C99E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01278
FPAP ORTHOMETRIC HEIGHT	+01278

