

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TACAN STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23

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> TACAN RWY 33	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SYRACUSE	<u>STATE</u> NY	
<u>AIRPORT ELEVATION</u> 421	<u>TDZE</u> 409	<u>SUPERSEDED</u> TACAN RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 11W	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> SYR VORTAC	<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>
SYR VORTAC		JODOB/17.62 DME					134.10	17.62	3700
JODOB/17.62 DME	IF/IAF	CAHSO/11.62 DME					314.10	6.00 (SYR R-134)	2400

**MISSED APPROACH**

**MAP:**

SYR 5.88 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT SYR VORTAC AND ON SYR VORTAC R-294 TO WACOR/7.00 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)
2. HOLD SE JODOB, RT, 314.10 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 314.10      FAF: CAHSO/11.62 DME      DIST FAF TO MAP:      DIST FAF TO THLD: 5.74
4. MIN ALT: JODOB/17.62 DME 3700, CAHSO/11.62 DME 2400, ZENUR/8.78 DME 1380
8. MSA FROM: SYR VORTAC 020-110 2800, 110-260 3700, 260-020 2100

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**

CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SYR VORTAC AIRWAY RADIALS 111 CW 180.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CAHSO TO RW33: 3.19/53.1.  
CHART VDP AT 7.06 DME  
DISTANCE VDP TO THLD 1.19 NM  
CHART FAS OBST: 584 TREE 430615N/0760359W.  
CHART: 800 TOWER 430313N/0755908W, 591 TRANSMISSION\_LINE 430407N/0760218W.  
HOLD NW, LT, 114.00 INBOUND

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
S-33	840	5500	431	840	5500	431	840	1 1/4	431	840	1 1/4	431			
CIRCLING	900	1	479	920	1	499	1020	1 1/2	599	1180	2 1/2	759			

CHANGES - REASONS

1. CHANGES FROM P-NOTAM FOR AMDT ORIG-B INCORPORATED INTO FORM - IAW 8260.19H, PARA 8-3-4.C.(3).
2. REMOVED GGT VORTAC FROM PROCEDURE - VORMON DECOM.
3. MOVED ALL FIXES, UPDATED ALL DME DISTANCES (JODOB FROM 17.00 TO 17.62; CAHSO FROM 10.90 TO 11.62; ZENUR FROM 8.40 TO 8.78), AND RAISED CAHSO ALTITUDE FROM 2300 TO 2400 - NEW PROCEDURE BUILD YIELDED HIGHER AIRSPACE IN INTERMEDIATE SEGMENT; LEGS UPDATED TO CURRENT CRITERIA FOR MINIMUM LEG LENGTH IAW 8260.58A, PARA 1-2-5.B.(1).
4. UPDATED MISSED APPROACH INSTRUCTIONS FROM "...THEN VIA SYR VORTAC..." TO "...THEN ON SYR VORTAC..." - IAW 8260.19H, PARA 8-6-6.D.
5. ADDED "MAX 6000" TO PROFILE, LINE 2 - IAW 8260.19H, PARA 8-6-7.B.(2).
6. UPDATED PROFILE, LINE 3 FAF/ DIST FAF TO MAP/DIST FAF TO THLD FROM "CAHSO/SYR 10.90 DME / 5.02 / 5.02" TO "CAHSO/SYR 11.62 DME / 5.74 DIST FAF TO THLD" - NEW PROCEDURE BUILD YIELDED REQUIREMENT TO MOVE CAHSO; TIME/DISTANCE TABLES NOT REQUIRED.
7. UPDATED PROFILE, LINE 4 FROM "JODOB 3700, CAHSO 2300, ZENUR/SYR 8.40 DME 1380" TO "JODOB/17.62 DME 3700, CAHSO/11.62 DME 2400, ZENUR/8.78 DME 1380" - IAW 8260.19H, PARA 8-2-6.
8. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SYR VORTAC AIRWAY RADIALS 111 CW 180" - IAW 8260.3D, PARA 2-3-1.A AND 8260.19H, PARA 8-2-5.E.
9. REMOVED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT" - VGSI AND DESCENT ANGLE ARE COINCIDENT.
10. UPDATED S-33 MDA/HAT FOR ALL CATS FROM 880/471 TO 840/431; UPDATED S-33 CATS C AND D VIS FROM 1 3/8 TO 1 1/4 - NEW PROCEDURE BUILD AND NEW VIS CHECK PERFORMED.
11. UPDATED CIRCLING MDA/HAA FOR ALL CATS: CAT A FROM 880/479 TO 900/499, CAT B FROM 880/459 TO 920/499, CAT C FROM 900/479 TO 1020/599, AND CAT D FROM 980/559 TO 1180/759; UPDATED CIRCLING CAT D VIS FROM 2 TO 2 1/2; ADDED "CHART CIRCLING ICON" - UPDATED TO NEW CIRCLING CRITERIA; IAW 8260.19H 8-6-10.T.
12. ADDED "CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - NEW VIS CHECK WITH NEW CIRCLING CRITERIA APPLIED.
13. UPDATED ADDITIONAL FLIGHT DATA NOTE FROM "CAHSO TO RW33: 3.47/53" TO "CAHSO TO RW33: 3.19/53.1" - UPDATED GPA/TCH.
14. ADDED "CHART VDP AT 7.06 DME" AND "DISTANCE VDP TO THLD 1.19 NM" TO ADDITIONAL FLIGHT DATA - VDP CHARTABLE; 20:1 PENETRATIONS NO LONGER EXIST.
15. UPDATED CHART FAS OBST FROM 578 TOWER TO 584 TREE AND UPDATED 7:1 OBSTACLES FROM 939 AAO TO 800 TOWER AND 591 TRANSMISSION LINE - NEW PROCEDURE BUILD YIELDED NEW CONTROLLING AND 7:1 OBSTACLES.
16. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260-19H, PARA 8-6-11.K.



**AIRPORT**

SYRACUSE HANCOCK INTL

**AIRPORT ID**

KSYR

**PROCEDURE NAME**

TACAN RWY 33

**ORIGINAL/AMENDMENT**

1

**CITY**

SYRACUSE

**STATE**

NY

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

ALEX KRAUSE  
*Digitally signed by*  
**MARLON J ROBINSON**

**OFFICE**

FICO

**DATE**

11/17/19

**DEVELOPED BY**

CASIMIR L. TABAKA (MADELINE CLARK)  
*Nov 19, 2019*  
*Digitally signed by*  
**HEIDI SNIDER**  
Nov 01, 2019

**OFFICE**

AJV-A422

**DATE**

05/24/2019

**APPROVED BY**

MARLON ROBINSON  
*Digitally signed by*  
**HEIDI SNIDER**  
Nov 01, 2019

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

QUALITY  
10  
CHECKED