

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR OR 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 ID</u> KATY	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 17	<u>ORIGINAL/AMENDMENT</u> 17B	<u>CITY</u> WATERTOWN	<u>STATE</u> SD		
<u>AIRPORT ELEVATION</u> 1749	<u>TDZE</u> 1741	<u>SUPERSEDED</u> VOR OR TACAN RWY 17	<u>ORIGINAL/AMENDMENT</u> 17A	<u>DATED</u> 04/23/2020	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> ATY	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 DECEMBER 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>

**MISSED APPROACH**

**MAP:**

3.57 NM AFTER ATY VORTAC OR AT ATY 3.57 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ATY VORTAC AND HOLD  
(TACAN AIRCRAFT CLIMB TO 5000 ON ATY VORTAC R-160 TO VESTY/15.00 DME  
AND HOLD S, RT, 339.86 INBOUND).

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L SIDE OF COURSE 357.36 OUTBOUND 4000 FT WITHIN 10 MILES OF ATY VORTAC (IAF)  
2.  
3. FAC: 177.36 FAF: ATY VORTAC DIST FAF TO MAP: 3.57 DIST FAF TO THLD: 3.57  
4. MIN ALT: ATY VORTAC 3000  
8. MSA FROM: ATY VORTAC 060-220 3600, 220-060 4600

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: VDP NA WHEN USING BROOKINGS ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BROOKINGS ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET; INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 SM.



ADDITIONAL FLIGHT DATA:

ATY VORTAC TO RW17: 3.21/45  
HOLD N, RT, 177.00 INBOUND.  
CHART FAS OBST: 1899 TREE 445552N/0970727W.  
CHART VDP AT 2.23 DME  
DISTANCE VDP TO THLD 1.33 NM.  
CHART CIRCLING ICON.

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, 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-17	2200	1	460	2200	1	460	2200	1 1/4	460	2200	1 1/2	460			
CIRCLING	2260	1	511	2260	1	511	2500	2 1/4	751	2500	2 1/2	751			

CHANGES - REASONS

1. INCORPORATED P-NOTAM FDC 0/9219 AMDT 17A CHANGES INTO FORMS.  
2. CHANGED MSA FROM "ATY VORTAC 040-240 3900, 240-040 4600" TO "ATY VORTAC 060-220 3600, 220-060 4600" - NEW MSA CONTROLLING OBSTACLE 46-041331  
3. CHANGED CHART NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA." TO "RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 8260.19H, 8-6-11, K(3).  
4. CHANGED VGSI NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - UPDATED NOTE FORMAT IAW 8260-19H, 8-6-9, M(1).  
5. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ATY VORTAC AND HOLD (TACAN AIRCRAFT CLIMB TO 5000 VIA ATY VORTAC R-160 TO VESTY/15.00 DME AND HOLD S, RT, 339.86 INBOUND)." TO CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ATY VORTAC AND HOLD (TACAN AIRCRAFT CLIMB TO 5000 ON ATY VORTAC R-160 TO VESTY/15.00 DME AND HOLD S, RT, 339.86 INBOUND). - 8260.19H, 8-6-6D.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, CEN FPT, HON FSS, AMGR

FLIGHT CHECKED BY  
PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE  
DATE

DEVELOPED BY  
DONALD H. LANIER (COLE NESBITT)  
*Digitally signed by*  
**DONALD H LANIER**

**DONALD H LANIER**  
Sep 11, 2020

OFFICE  
AJV-A431  
DATE  
08/18/2020

APPROVED BY  
LONNIE EVERHART  
*Digitally signed by*  
**DONALD H LANIER**  
Sep 11, 2020

OFFICE  
AJV-A430  
DATE  
TITLE  
MANAGER

