

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR 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> ST CLOUD RGNL	<u>AIRPORT ID</u> KSTC	<u>PROCEDURE NAME</u> VOR RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> ST CLOUD	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1031	<u>TDZE</u> 1020	<u>SUPERSEDED</u> VOR RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/02/2009	<u>MAG VAR</u> 3E
<u>FACILITY</u> STC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

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>
DAYLE INT		STC VOR/DME					228.35	7.14	5000
GEP VORTAC		STC VOR/DME					304.11	37.79	5000

MISSED APPROACH

MAP:

STC VOR/DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 THEN RIGHT TURN DIRECT STC VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 139.69 OUTBOUND 2700 FT WITHIN 10 MILES OF STC (IAF)
2.
3. FAC: 319.69 FAF: DIST FAF TO MAP: DIST FAF TO THLD:
4. MIN ALT:
8. MSA FROM: STC VOR/DME 3500

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-31 CAT C AND D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:



CHART VDP AT 1.88 DME
DISTANCE VDP TO THLD 1.23 NM
CHART FAS OBST: 1146 TOWER 452638N/0935944W.
FAC CROSSES RWY C/L EXTENDED 2989 FT FROM THLD.
HOLD SE, RT, 319.69 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN CONTROL TOWER CLOSED.

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-31	1460	1/2	440	1460	1/2	440	1460	3/4	440	1460	1	440			
CIRCLING	1500	1	469	1500	1	469	1500	1 1/2	469	1620	2	589			

CHANGES - REASONS

- INCORPORATED CHANGES FROM FDC 8/6361- IAW MEMO DATED 2/21/2014.
- UPDATED TDZE FROM 1019 TO 1020 - UPDATED SURVEY INFORMATION.
- CHANGED FAS OBST FROM 1129 TREE TO 1146 TOWER - UPDATED SURVAY.
- UPDATED FAC CROSSES RWY C/L EXTENDED 2999 FT FROM THLD TO 2989 FT FROM THLD - RE-CALCULATED DISTANCE AND RUNWAY THRESHOLD DISPLACED.
- CHANGED DISTANCE VDP TO THLD FROM 1.16 NM TO 1.23 NM AND CHANGED VDP AT 1.81 DME TO 1.88 DME - IAW 8260.3C PARA 2-6-5 AND MDA/THRESHOLD CHANGE.
- UPDATED MINIMUMS FOR S-31 FROM MDA/HAT 1440/421 ALL CATS TO MDA/HAT 1460/440 ALL CATS - NEW CONTROLLING OBSTACLE.
- UPDATED CIRCLING CAT D HAA FROM 590 TO 589 - AIRPORT ELEVATION CHANGED FROM 1030 TO 1031.
- CHANGED NOTE FOR INOPERATIVE MALSR, INCREASE CAT D VISIBILITY TO 1 1/4 TO CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-31 CAT C AND D VISIBILITY TO 1 3/8 SM. - IAW 8260.19H PARA 8-6-11 O 3(D)
- REMOVED BACK-UP ALTIMETER SETTING NOTE - ASOS IS ON WMSCR, BACK-UP ALTIMETER ADJUSTMENT MOVED TO 8260-9 FOR CONTINGENCY USE.
- UPDATED ALTERNATE MINIMUMS FROM NA WHEN LOCAL WEATHER NOT AVAILABLE AND NA WHEN CONTROL TOWER CLOSED TO NA WHEN CONTROL TOWER CLOSED - IAW 8260.19H PARA 8-6-11 B(4).

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR, ATA

FLIGHT CHECKED BY

SCOTT WIEBE

DEVELOPED BY

FRANK JACKSON JR

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
ADOLFO D URRUTIA
Aug 27, 2018

Digitally signed by
FRANK JACKSON
Jul 25, 2018

Digitally signed by
ADOLFO D URRUTIA
Aug 27, 2018

OFFICE

FICO

OFFICE

AJV-5432

OFFICE

AJV-5430

DATE

8/22/18

DATE

07/16/2018

DATE

TITLE
MANAGER

