

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> STC	<u>PROCEDURE NAME</u> ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> ST CLOUD	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1031	<u>TDZE</u> 1020	<u>SUPERSEDED</u> ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 3D	<u>DATED</u> 08/10/2023
<u>FACILITY</u> I-STC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> 03/21/2024	<u>MAG VAR</u> 3E
				<u>EPOCH YEAR</u> 1995
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 24-06.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
STC VOR/DME		SANLY/STC VOR/DME 14.14 DME					133.55	14.14	3500
GEP VORTAC	IAF	SANLY/STC VOR/DME 14.14 DME	NOPT				300.00	23.82	3500
SANLY/STC VOR/DME 14.14 DME	IF/IAF	HUSSK LOM/STC VOR/DME 5.67 DME					313.01	8.46 (I-STC)	2800

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.04 NM AFTER HUSSK LOM/STC VOR/DME 5.67 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 3500 DIRECT STC VOR/DME AND ON STC VOR/DME R-134 TO SANLY/STC VOR/DME 14.14 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SE SANLY, LT, 313.01 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 5500.					
3. FAC: 313.01	FAF: HUSSK LOM/STC VOR/DME 5.67 DME	DIST FAF TO MAP: 5.04	DIST FAF TO THLD: 5.04		
4. MIN ALT: SANLY/STC VOR/DME 14.14 DME 3500, HUSSK LOM/STC VOR/DME 5.67 DME 2800					
5. DIST TO THLD FROM OM: 5.04	MM: 0.46	IM: 150 HAT: 150	GS ANT: 955		
6. MIN GS INCPT: 2800	GS ALT AT PFAF: 34:1	20:1	OM: 2671	MM: 1214	IM:
7. GS ANGLE: 3.00		TCH: 51.0			
8. MSA FROM: HUSSK LOM 3500					

QUALITY
34
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GEP VORTAC AIRWAY RADIALS 260 CW 352.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING, INCREASE DA TO 1296 FEET, INCREASE ALL MDAS 80 FEET AND S-LOC 13 VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING LITTLE FALLS ALTIMETER SETTING, INCREASE S-ILS-31 VISIBILITY TO 7/8 SM AND S-LOC-31 CATS C AND D VISIBILITY TO 1 3/8 SM.

CHART NOTE: VDP NA WHEN USING LITTLE FALLS ALTIMETER SETTING.

CHART NOTE: DME FROM STC VOR/DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-STC AND STC DME.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: GEP 23.82 DME AT SANLY.

FAS OBST: 1201 AAO 453009N/0935912W.

CHART VDP AT 1.87 DME.

DISTANCE VDP TO THLD 1.23 NM.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☒

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-ILS 31	1220	1/2	200	1220	1/2	200	1220	1/2	200	1220	1/2	200			
S-LOC 31	1460	1/2	440	1460	1/2	440	1460	3/4	440	1460	3/4	440			
CIRCLING	1500	1	469	1500	1	469	1620	1 1/2	589	1860	2 3/4	829			

CHANGES - REASONS

1. MISSED APPROACH: UPDATED LOC MAP FROM "LOC: 5.04 NM AFTER HUSSK LOM/STC 5.69 DME OR AT STC VOR/DME 0.65 DME" TO "5.04 NM AFTER HUSSK LOM/STC VOR/DME 5.67 DME" - STC VOR/DME 0.65 DME DOES NOT MEET FIX CRITERIA.
2. TERMINAL ROUTES: UPDATED "STC VOR/DME HUSSK LOM/STC 5.69 DME 135.15/5.69 3000" TO "STC VOR/DME SANLY/STC VOR/DME 14.14 DME 135.55/14.14 3500" - INITIAL SEGMENT REDESIGNED PER FPT DIRECTION AND IAW 8260.3E SECTION 2-4.
3. TERMINAL ROUTES: UPDATED DISTANCE FROM "23.81" TO "23.82" AND "SANLY INT" TO "SANLY/STC VOR/DME 14.14" - UPDATED EVALUATION AND DWN REPLACED BY STC VOR/DME FOR SANLY FIX MAKEUP.
4. TERMINAL ROUTES: UPDATED DISTANCE FROM "8.45" TO "8.46" AND "SANLY INT" TO "SANLY/STC VOR/DME 14.14", FIX TYPE FROM "IF" TO "IF/IAF", AS WELL AS "HUSSK LOM/STC 5.69 DME" TO "HUSSK LOM/STC VOR/DME 5.67 DME" - UPDATED EVALUATION AND DWN REPLACED BY STC VOR/DME FOR SANLY FIX MAKEUP.
5. MISSED APPROACH: UPDATED "CLIMB TO 3000 THEN LEFT TURN DIRECT HUSSK LOM AND HOLD" TO "CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 3500 DIRECT STC VOR/DME AND ON STC VOR/DME R-134 TO SANLY/STC VOR/DME 14.14 DME AND HOLD" - ALIGNED WITH FINAL APPROACH COURSE/DWN REMOVED FROM FIX MAKEUP.
6. EQUIPMENT REQUIREMENTS NOTES: ADDED "DME REQUIRED" - DWN FIX MAKEUP REMOVED FROM SANLY/NO LONGER INT.
7. PROFILE LINE 1: DELETED PROCEDURE TURN - CONVERTED TO HILO.
8. PROFILE LINE 2: ADDED "HOLD SE SANLY, LT, 313.01 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 5500" - HILO REPLACED PROCEDURE TURN.
9. PROFILE LINE 3: UPDATED FAF FROM "HUSSK LOM/STC 5.69 DME" TO "HUSSK LOM/STC VOR/DME 5.67 DME" - HUSSK LOM MOVED TO ALIGN WITH FAC.
10. PROFILE LINE 5: REMOVED MIDDLE MARKER (MM) "0.46" - IAW 8260.19 8-6-7E
11. PROFILE LINE 6: UPDATED OM "2694" TO "2671" - HUSSK LOM LAT/LONG UPDATE AND IAW 8260.19 8-6-7F.
12. PROFILE LINE 7: UPDATED TCH FROM "59.9" TO "51.0" - IAW 8260.19 8-6-7G.
13. PROFILE LINE 8: MSA UPDATED FROM "ST LOM 3500" TO "HUSSK LOM 3500" - FORM UPDATE IAW 8260.19 8-6-7H.
14. NOTES: REMOVED ADF REQUIRED - 8260.19I, 8-6-8A.
15. NOTES: REMOVED VGSI AND ILS GLIDEPATH NOT COINCIDENT - VGSI AND ILS GLIDEPATH ARE COINCIDENT.
16. NOTES: DME FROM STC VOR/DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-STC AND STC DME - NON-PAIRED DME FACILITY AND IAW 8260.19 PARA 8-6-9 K.
17. NOTES: UPDATED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING: INCREASE DA TO 1296 FEET; INCREASE ALL MDA 80 FT AND VISIBILITY S-LOC-31 CAT C AND D 1/8 SM AND CIRCLING CAT C AND D 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING: INCREASE DA TO 1296 FEET, INCREASE ALL MDAS 80 FEET AND S-LOC 13 VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM" - IAW 8260.3E TABLE 3-3-1.
18. NOTES: ADDED "FOR INOPERATIVE ALS WHEN USING LITTLE FALLS ALTIMETER SETTING, INCREASE S-ILS-31 VISIBILITY TO 7/8 SM AND S-LOC-31 CATS C AND D VISIBILITY TO 1 3/8 SM" - IAW 8260.3E TABLE 3-3-1.
19. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "1219 AAO 452939N/0935807W." TO "1201 AAO 453009N/0935912W" - NEW CONTROLLING OBSTACLE.
20. ADDITIONAL FLIGHT DATA: UPDATED CHART VDP FROM "1.94 DME" TO "1.87 DME" AND DISTANCE VDP TO THLD FROM "1.30 NM" TO "1.23" - IAW 8260.3 2-6-5.
21. ADDITIONAL FLIGHT DATA: REMOVED "HOLD SE, LT, 313.01 INBOUND" - PLACED ON PROFILE LINE 2.
22. ADDITIONAL FLIGHT DATA: ADDED "CHART IN PLANVIEW: GEP 23.82 DME AT SANLY" - IAW 8260.19I 8-6-10, PILOT EASE OF USE.
23. MINIMUMS: LOWERED S-LOC MDA/HAT FROM "1480/460" TO "1460/440" - NEW CONTROLLING OBSTACLE.
24. MINIMUMS: LOWERED S-LOC CAT C AND D VIS FROM "7/8 SM" TO "3/4 SM" - IAW 8260.3 TABLE 3-3-1.

02/06/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/04/2024.

1. PROFILE LINE 5: MM DISTANCE OF 0.46 ADDED - IAW 8260.19 8-6-7E.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING

Digitally signed by

DAVID DANNER

Feb 09, 2024

OFFICE

DATE

DEVELOPED BY

DAVID DANNER (MATTHEW W.TOWNSEND)

Digitally signed by

DAVID DANNER

Feb 09, 2024

OFFICE

AJV-A421

DATE

09/25/2023

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Feb 09, 2024

OFFICE

AJV-A421

DATE

03/21/2024

TITLE

MANAGER

