

**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</u> SIOUX GATEWAY/BRIG GEN BUD DAY FIELD	<u>AIRPORT ID</u> KSUX	<u>PROCEDURE NAME</u> ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 26	<u>CITY</u> SIOUX CITY	<u>STATE</u> IA	
<u>AIRPORT ELEVATION</u> 1098	<u>TDZE</u> 1096	<u>SUPERSEDED</u> ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 25F	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-SUX	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<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>
EKUC/SUX 10.00 DME/RADAR	IF	SALIX LOM/SUX 1.80 DME					312.69	8.23 (I-SUX)	2900

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.36 NM AFTER SALIX LOM/SUX 1.80 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3100 DIRECT TOMMI LOM/SUX 9.27 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100 (ADF REQUIRED).

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L SIDE OF COURSE 132.69 OUTBOUND 2900 FT WITHIN 15 MILES OF SALIX LOM (IAF)  
2.  
3. FAC: 312.69 FAF: SALIX LOM/SUX 1.80 DME DIST FAF TO MAP: 5.36 DIST FAF TO THLD: 5.36  
4. MIN ALT: SALIX LOM/SUX 1.80 DME 2900  
5. DIST TO THLD FROM OM: 5.36 MM: IM: 150 HAT: GS ANT: 974  
6. MIN GS INCPT: 2900 GS ALT AT FAF : OM: 2877 MM: IM:  
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 43.0  
8. MSA FROM: SU OM 090-270 3200, 270-090 4400

**EQUIPMENT REQUIREMENTS NOTES:**

ADF REQUIRED.  
ADF OR RADAR REQUIRED FOR PROCEDURE ENTRY.



**NOTES:**  
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2025 MSL.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 31 CAT E VISIBILITY TO RVR 4000 AND S-LOC 31 CAT C/D/E TO 1 3/8 SM.  
CHART NOTE: \*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

**ADDITIONAL FLIGHT DATA:**  
CHART IN PLANVIEW: TOMMI LOM.  
CHART CIRCLING ICON.  
FAS OBST: 1299 AAO 422034N/0961846W.  
HOLD NW, RT, 132.68 INBOUND

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

**ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE, NA WHEN CONTROL TOWER CLOSED; LOC: STANDARD - CAT D 800-2 1/4, CAT E 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE, 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-ILS 31*	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200
S-LOC 31	1560	2400	464	1560	2400	464	1560	5000	464	1560	5000	464	1560	5000	464
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1800	2 1/4	702	1940	3	842

- CHANGES - REASONS**
- 1. DELETED SUX VORTAC FEEDER - SUX FACILITY TYPE CHANGED FROM VORTAC TO DME.
  - 2. DELETED DECga AND CEKEG 10 DME ARCS - SUX FACILITY TYPE CHANGED FROM VORTAC TO DME.
  - 3. CHANGED PRIMARY MISSED APPROACH FROM "CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2900 DIRECT SUX VORTAC AND HOLD." TO "CLIMB TO 3100 DIRECT TOMMI LOM/SUX 9.27 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100. (ADF REQUIRED)" - PER FPT CHECKLIST/SUX VORTAC BECOMING DME ONLY FACILITY.
  - 4. DELETED ALTERNATE MISSED APPROACH - PER FPT CHECKLIST.
  - 5. CHANGED PROFILE LINE 6: "OM: 2868" TO "OM: 2877" - NEW AIRNAV DATA.
  - 6. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - REQUIRED ON CURRENT DOCUMENTATION.
  - 7. LOWERED CIRCLING CAT D VISIBILITY FROM 2 1/2 TO 2 1/4 - CALCULATED VISCHECK VALUES.
  - 8. LOWERED CIRCLING CAT D MDA/HAA FROM 1840/742 TO 1800/702 AND CAT E FROM 2000/902 TO 1940/842 - NEW OBSTACLE EVALUATION.
  - 9. RAISED MSA 090-270 SECTOR FROM 3100 TO 3200 - NEW OBSTACLE EVALUATION.
  - 10. CHANGED EQUIPMENT REQUIREMENTS NOTE FROM "ADF OR DME REQUIRED FOR PROCEDURE ENTRY" TO "ADF OR RADAR REQUIRED FOR PROCEDURE ENTRY" - RADAR ADDED TO EKUCE (IF).
  - 11. ADDED CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2025 MSL - NOTAM FDC 0/7342.
  - 12. ADDED SUX 1.80 DME TO DEFINE FAF (SALIX LOM) - SUX MEETS DME DIVERGENCE CRITERIA.
  - 13. ADDED 'ADF REQUIRED' TO EQUIPMENT REQUIREMENTS NOTES - MISSED APPROACH REQUIRES ADF IN ASSOCIATION WITH THE LOM.



AIRPORT

SIoux GATeway/BRIG GEN BUD DAY  
FIELD

AIRPORT ID

KSUX

PROCEDURE NAME

ILS OR LOC RWY 31

ORIGINAL/AMENDMENT

26

CITY

SIoux CITY

STATE

IA

COORDINATED WITH:

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

FLIGHT CHECKED BY

JAMES HAWLEY

*Digitally signed by* OFFICE

**WARDELL HENNING** FICO

DATE

06/06/2020

DEVELOPED BY

WARDELL HENNING (THERON CYRUS)

*Digitally signed by* Jun 09, 2020

**WARDELL HENNING**

OFFICE

AJV-A432

DATE

02/03/2020

APPROVED BY

GEORGE DAVIS

*Digitally signed by*

**WARDELL HENNING**

Jun 09, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

Jun 09, 2020

QUALITY  
21  
CHECKED