

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> ROSECRANS MEMORIAL	<u>AIRPORT ID</u> KSTJ	<u>PROCEDURE NAME</u> ILS OR LOC RWY 35	<u>ORIGINAL/AMENDMENT</u> 31C	<u>CITY</u> ST JOSEPH	<u>STATE</u> MO
<u>AIRPORT ELEVATION</u> 827	<u>TDZE</u> 815	<u>SUPERSEDED</u> ILS OR LOC RWY 35	<u>ORIGINAL/AMENDMENT</u> 31B	<u>DATED</u> 03/05/2015	<u>MAG VAR</u> 4E
<u>FACILITY</u> I-STJ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<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>
STJ VORTAC		TARIO LOM/STJ 17.10 DME					169.15	17.10	2700
BOWLR INT/STJ 23.52 DME		TARIO LOM/STJ 17.10 DME					072.13	13.21	3000
HANOT/STJ 24.00 DME CW	IAF	FILUX/STJ 24.00 DME	NOPT				24.00 DME ARC (STJ LR-165)		3100
ZALTA/STJ 24.00 DME CCW	IAF	FILUX/STJ 24.00 DME	NOPT				24.00 DME ARC (STJ LR-175)		3100
FILUX/STJ 24.00 DME	IF	TARIO LOM/STJ 17.10 DME					356.00	6.91 (I-STJ)	2500

MISSED APPROACH

MAP:

ILS: DA

LOC: 4.78 NM AFTER TARIO LOM/STJ 17.10 DME OR AT XUJUP/12.33 DME FIX

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT AZN NDB AND HOLD.

(TACAN AIRCRAFT CLIMB TO 2700 THEN CLIMBING RIGHT TURN TO 3100 ON STJ VORTAC R-114 TO HANOT/24.00 DME AND HOLD NW, LT, 114.00 INBOUND).

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S TARIO LOM, LT, 356.00 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC:

356.00

FAF: TARIO LOM/STJ 17.10

DIST FAF TO MAP: 4.78

DIST FAF TO THLD: 5.20

4. MIN ALT:

TARIO LOM/STJ 17.10 DME 2500

5. DIST TO THLD FROM OM: 5.20

MM:

IM:

150 HAT:

GS ANT: 1305

6. MIN GS INCPT: 2500

GS ALT AT FAF :

OM: 2446

MM:

IM:

7. GP ANGLE: 2.80

34:1:

20:1:

TCH: 63.7

8. MSA FROM: ST LOM 3000

EQUIPMENT REQUIREMENTS NOTES:

ADF OR TACAN REQUIRED.

NOTES:

CHART SPEED ICON IN PLANVIEW AT HANOT: MAX HOLDING 265 KIAS.
CHART IN PROFILE VIEW: COURSE REVERSAL NOT AUTHORIZED FOR CAT E AIRCRAFT.
CHART NOTE: DME FROM STJ VORTAC, SIMULTANEOUS RECEPTION OF I-STJ AND STJ DME REQUIRED.

ADDITIONAL FLIGHT DATA:

CHART: ASR/PAR.
CHART CIRCLING ICON.
CHART STJ R-114 AT HANOT.
CHART STJ R-203 AT ZALTA.
CHART FAS OBST: 932 TREE 394334N/0945451W.
HOLD N, RT, 175.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 900-2 3/4, CAT E 1000-3, NA WHEN 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 35	1015	4000	200	1015	4000	200	1015	4000	200	1015	4000	200	1015	4000	200
S-LOC 35	1200	5500	385	1200	5500	385	1200	6000	385	1200	6000	385	1200	6000	385
CIRCLING	1400	1	573	1420	1	593	1620	2 1/4	793	1640	2 3/4	813	1760	3	933



CHANGES - REASONS

1. INCORPORATED CHANGES FROM AMDT 31A AND AMDT 31B - IAW 8260.19H PARA 8-3-4C (2).
2. UPDATED FEEDER COURSE AND ALTITUDE FROM STJ VORTAC TO TARIO LOM FROM 169.16 TO 169.15 AND ALTITUDE FROM 2500 TO 2700 - UPDATED SURVEY FOR TARIO LOM AND NEW CONTROLLING OBSTACLE.
3. UPDATED FEEDER COURSE FROM BOWLR INT TO TARIO LOM FROM 072.12 TO 072.13 - UPDATED SURVEY FOR TARIO LOM.
4. UPDATED INTERMEDIATE COURSE FROM FILUX TO TARIO LOM FROM 356.01 TO 356.00 - UPDATED SURVEY FOR TARIO LOM AND I-STJ ILS.
5. UPDATED TACAN MISSED APPROACH FROM TACAN AIRCRAFT CLIMB TO 2700 THEN CLIMBING RIGHT TURN TO 3100 VIA STJ R-114 TO HANOT/24.00 DME AND HOLD NW, LT, 114.00 INBOUND TO TACAN AIRCRAFT CLIMB TO 2700 THEN CLIMBING RIGHT TURN TO 3100 ON STJ VORTAC R-114 TO HANOT/24.00 DME AND HOLD NW, LT, 114.00 INBOUND - IAW 8260.19H PARA 8-6-6 D(7).
6. UPDATED FAS OBSTACLE FROM 907 TREE TO 932 TREE - UPDATED SURVEY.
7. CHANGED CHART PLANVIEW NOTE AT HANOT: MAXIMUM HOLDING AIRSPEED 265 KIAS TO CHART SPEED ICON IN PLANVIEW AT HANOT: MAX HOLDING 265 KIAS - IAW 8260.19H PARA 4-6-10 G.
8. ADDED TO ADDITIONAL FLIGHT DATA CHART CIRCLING ICON - IAW 8260.19H PARA 8-6-10 T AND MINIMUMS MATCH RNAV (GPS) RWY 35, AMDT 2A.
9. HOLD-IN-LIEU AT TARIO LOM INBOUND COURSE CHANGED FROM 356.01 TO 356.00 AND ADDED MAX ALTITUDE 6000 - ALIGNED TO FINAL APPROACH COURSE AND IAW 8260.19H PARA 8-6-7 B.
10. HOLD-IN-LIEU AT TARIO LOM ALTITUDE INCREASED FROM 2500 TO 2700 - NEW CONTROLLING OBSTACLE.
11. FINAL APPROACH COURSE CHANGED FROM 356.01 TO 356.00 - UPDATED SURVEY FOR I-STJ.
12. MIDDLEMARKER INFORMATION REMOVED FROM LINE 5 AND 6 - MIDDLEMARKER REMOVED.
13. GS ANT INFORMATION UPDATED FROM 1304 TO 1305 - UPDATED SURVEY DATA.
14. TCH CHANGED FROM 63.8 TO 63.7 - UPDATED ILS SURVEY.
15. S-LOC 35 MDA/HAT CHANGED FROM 1160/345 ALL CAT TO 1200/385 ALL CATS, VISIBILITY CATS A/B FROM RVR 5000 TO RVR 5500, CAT C FROM RVR 5000 TO RVR 6000 - NEW FINAL CONTROLLING OBSTACLE.
16. CIRCLING MINIMUMS CHANGED FROM CMDA/HAA CAT B 1400/573 TO 1420/593, CAT C FROM CMDA/HAA 1400/573, VISIBILITY 1 1/2 TO CMDA/HAA 1620/793 VISIBILITY 2 1/4, CAT D FROM CMDA/HAA 1500/673, VISIBILITY 2 1/4 TO CMDA/HAA 1640/813, VISIBILITY 2 3/4 - NEW CIRCLING CRITERIA IAW 8260.3D CHAPTER 2.
17. CHANGED LOC MAP FROM 4.78 MILES AFTER TARIO LOM OR AT STH 12.33 DME TO 4.78 NM AFTER TARIO LOM OR AT XUJUP/12.33 DME FIX - IAW 8260.19H PARA 2-10-5 A.
18. DELETED ILS CAT D ALTERNATE MINIMUMS AND ADDED STANDARD AND CHANGED LOC ALTERNATE MINIMUMS FROM CAT D 800-2 1/4 TO CAT C 800-2 1/4, CAT D 900-2 3/4 - IAW 8260.19H PARA 8-6-11 B.
19. ADDED TO EQUIPMENT REQUIREMENTS NOTE ADF OR TACAN REQUIRED - IAW 8260.19H PARA 8-6-8.
20. ADDED CHART NOTE: DME FROM STJ VORTAC, SIMULTANEOUS RECEPTION OF I-STJ AND STJ DME REQUIRED - IAW 8260.19H PARA 8-6-9 K.
21. LOWERED MSA FROM 3100 TO 3000 - NEW CONTROLLING OBSTACLE 1978 MSL TOWER (2C).
22. AMENDED ALL REFERENCES FOR TARIO LOM TO READ TARIO LOM/STJ 17.10 DME - STJ DME ADDED AS MAKE-UP FACILITY ON TARIO LOM FORM 8260-2.

COORDINATED WITH:

A4A ☒ALPA ☒AOPA ☒APA ☒HAI ☐NBAA ☒OTHER: ZKC, AIRPORT MANAGER, STJ APP CON, STJ ATCT

<u>FLIGHT CHECKED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
MARKS S CORDEIRO	<i>DONALD H LANIER</i> Apr 18, 2019	FICO	4/17/19	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
FRANK JACKSON JR	<i>FRANK JACKSON</i> Jan 31, 2019	AJV-A431	11/08/2018	
<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
PATRICK MULQUEEN	<i>DONALD H LANIER</i> Apr 18, 2019	AJV-A43		MANAGER

