

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> ST LOUIS RGNL	<u>AIRPORT ID</u> KALN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 12C	<u>CITY</u> ALTON/ST LOUIS	<u>STATE</u> IL	
<u>AIRPORT ELEVATION</u> 544	<u>TDZE</u> 531	<u>SUPERSEDED</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 12B	<u>DATED</u> 10/11/2018	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-ALN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 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>
JACOB INT/I-ALN 19.02 DME	IAF	QUNIE INT/I-ALN 13.01 DME					294.37	6.01 (I-ALN)	2100
QUNIE INT/I-ALN 13.01 DME	IF	OSERE INT/I-ALN 6.24 DME					294.37	6.76 (I-ALN)	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.77 NM AFTER OSERE INT/I-ALN 6.24 DME OR AT I-ALN 1.47 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2200 ON HEADING 310 AND ON TOY VORTAC R-322 TO TOPAZ INT/TOY 16.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2400 ON I-ALN NW COURSE TO SQUAR INT/I-ALN 12.05 DME AND HOLD.

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT JACOB
3. **FAC:** 294.37 **FAF:** OSERE INT/I-ALN 6.24 DME **DIST FAF TO MAP:** 4.77 **DIST FAF TO THLD:** 4.77
4. **MIN ALT:** JACOB INT/I-ALN 19.02 DME 2100, QUNIE INT/I-ALN 13.01 DME 2100, OSERE INT/I-ALN 6.24 DME 2100, WULIB INT/I-ALN 2.87 DME 980*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 970
6. **MIN GS INCPT:** 2100 **GS ALT AT FAF :** OSERE INT/I-ALN 6.24 DME 2100 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 55.0
8. **MSA FROM:** TOY VORTAC 2700

EQUIPMENT REQUIREMENTS NOTES:



NOTES:
*LOC ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JACOB ON V12 NORTHEAST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE WULIB FIX MINIMUMS S-LOC 29 CATS C/D VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:
CHART IN PLANVIEW: SQUAR INT/I-ALN 12.05 DME
CHART FAS OBST: 629 TREE 385252N/0900116W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW SQUAR INT/I-ALN 12.05 DME, RT, 114.35 INBOUND.
HOLD NW, LT, 142.00 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 - 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 29	731	1/2	200	731	1/2	200	731	1/2	200	731	1/2	200			
S-LOC 29	980	1/2	449	980	1/2	449	980	7/8	449	980	7/8	449			
CIRCLING	1000	1	456	1000	1	456	1000	1 1/2	456	1100	2	556			
WULIB FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED.)															
S-LOC 29	880	1/2	349	880	1/2	349	880	5/8	349	880	5/8	349			
CIRCLING	1000	1	456	1000	1	456	1000	1 1/2	456	1100	2	556			

- CHANGES - REASONS**
1. REMOVED "CHART AL LOM SUBDUED" FROM ADDITIONAL FLIGHT DATA - FAF IS OSERE INT/AL LOM SCHEDULED DECOMMISSIONING.
2. ADDED NA WHEN LOCAL ALTIMETER NOT AVAILABLE TO ALTERNATE MINIMUMS - PER CURRENT CRITERIA/MANAGEMENT.
3. ADDED PROCEDURE NA NOTE AT JACOB - TURN IS MORE THAN 120 DEGREES.

COORDINATED WITH:
~~A4A~~ ☐ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☐ ~~HAI~~ ☐ ~~NBAA~~ ☒ **OTHER:** ZID, STL APP, ALN ATCT, AMGR.

FLIGHT CHECKED BY
PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY
WARDELL HENNING (THERON CYRUS)

APPROVED BY
LONNIE EVERHART
Digitally signed by
WARDELL HENNING
Dec 23, 2019

OFFICE
Digitally signed by
WARDELL HENNING
Dec 23, 2019
OFFICE
AJV-A432
DATE
Dec 23, 2019
OFFICE
AJV-A430
DATE
11/26/2019

TITLE
MANAGER
QUALITY
16
CHECKED