

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 LAMBERT INTL	<u>AIRPORT ID</u> KSTL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 24	<u>ORIGINAL/AMENDMENT</u> 47	<u>CITY</u> ST LOUIS	<u>STATE</u> MO	
<u>AIRPORT ELEVATION</u> 618	<u>TDZE</u> 534	<u>SUPERSEDED</u> ILS OR LOC RWY 24	<u>ORIGINAL/AMENDMENT</u> 46B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-STL	<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>
ZUCKO INT/16.07 DME/RADAR	IAF	MENNA INT/11.07 DME/RADAR					243.83	5.00 (I-STL)	3500
MENNA INT/11.07 DME/RADAR	IF	VELVT INT/6.16 DME/RADAR					243.83	4.91 (I-STL)	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.75 NM AFTER VELVT INT/6.16 DME/RADAR OR AT 1.41 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 THEN RIGHT TURN DIRECT FTZ VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 200 AND STL R-170 TO MERAM INT AND HOLD.

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT ZUCKO
3. **FAC:** 243.83 **FAF:** VELVT INT/6.16 DME/RADAR **DIST FAF TO MAP:** 4.75 **DIST FAF TO THLD:** 4.75
4. **MIN ALT:** ZUCKO INT/16.07 DME/RADAR 5000, MENNA INT/11.07 DME/RADAR 3500, VELVT INT/6.16 DME/RADAR 2100
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1150
6. **MIN GS INCPT:** 2100 **GS ALT AT FAF :** VELVT INT/6.16 DME/RADAR 2100 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 54.0
8. **MSA FROM:** STL VORTAC 090-270 2800, 270-090 2300

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.



NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 24.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 24 CAT E VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: MERAM INT
CHART VDP AT 2.95 DME*
DISTANCE VDP TO THLD 1.54 NM
* LOC ONLY
FAS OBST: 825 AAO 384652N/0901705W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S MERAM INT, RT, 349.56 INBOUND.
HOLD W, RT, 100.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

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 24	734	4000	200	734	4000	200	734	4000	200	734	4000	200	734	4000	200
S-LOC 24	1080	4000	546	1080	4000	546	1080	1 3/8	546	1080	1 3/8	546	1080	1 3/8	546

CHANGES - REASONS

1. REMOVED HELICOPTER NOTE - VISUAL SURFACE CLEAR.
2. CHANGED RADAR REQUIRED NOTE TO RADAR REQUIRED FOR PROCEDURE ENTRY AND MOVED TO EQUIPMENT REQUIREMENTS - TOY VTAC INTERSECTING RADIAL ADDED TO FAF/PFAF, RADAR NO LONGER REQUIRED EXCEPT FOR PROCEDURE ENTRY.
3. FAF ZUMAY LOM REPLACED BY VELVT - ZUMAY LOM DECOM/PER CHECKLIST.
4. S-LOC 24 MDA INCREASED FROM 1000/HAT 466 TO 1080/HAT 546 - PER OBS EVAL.
5. S-LOC 24 CAT C VIS CHANGED FROM RVR 6000 TO 1 3/8, CATS D/E FROM 1 1/2 TO 1 3/8 - DUE TO MDA CHANGES/PER VIS CALC.
6. MSA CENTER RELOCATED FROM ZUMAY LOM TO STL VORTAC, SECTORED TO MATCH EXISITING STL MSA - PER ZUMAY LOM DECOM.
7. ADDED VDP INFO - PROC ELIGIBLE FOR VDP.
8. CHANGED NOTE FROM "FOR INOPERATIVE ALS, INCREASE S-LOC 24 CAT E VISIBILITY TO 1 3/4 SM" TO "FOR INOPERATIVE ALS, INCREASE S-LOC 24 CAT E VISIBILITY TO 1 5/8 SM" - DUE TO MDA CHANGES/PER VIS CALC.
9. REMOVED NOTE INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 24 CAT C - NO LONGER APPLIES PER VIS CHECK.
10. S-ILS 24 DA 784/HAT 250 REDUCED TO 734/HAT 200 - PER OBS EVAL.
11. CHANGED ALTERNATE MISSED APPROACH INSTRUCTION FROM 'CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 TO INTERCEPT STL R-170 TO MERAM INT AND HOLD' TO READ 'CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 200 AND STL R-170 TO MERAM INT AND HOLD - HEADING REQUIRED TO INTERCEPT RADIAL.
12. DIST FAF TO MAP/THLD CHANGED FROM 4.15 TO 4.75 - PER NEW PFAF LOCATION.
13. ADDED NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 24 - PER VIS CALC.



COORDINATED WITH:

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☒ ~~HAI~~ ☐ ~~NBAA~~ ☒ OTHER: ZKC, STL APP CON, APT MGR

FLIGHT CHECKED BY

JOHN D JEFFERS

Digitally signed by

ALLAN WILL

Feb 14, 2020

OFFICE

FICO

DATE

2/13/20

DEVELOPED BY

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG

Dec 30, 2019

OFFICE

AJV-A423

DATE

11/20/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Feb 14, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER

