## FEDERAL AVIATION ADMINISTRATION

## FLIGHT STANDARDS SERVICE

# RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

# TITLE 14 CFR PART 97.33

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.

AIRPORT ST LOUIS LAMBE		PROCEDURE NAME RNAV (GPS) Y RWY 30L	ORIGINAL/AMENDM 2		CITY T LOUIS	STATE MO
AIRPORT ELEVATION 618	<u>TDZE</u> 583	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 30L	ORIGINAL/AMENDMENT 1D	DATED 03/29/2018	MAG VAR 1W	<b>EPOCH YEAR</b> 2020
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 26 MARCH 2020	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUS	<u>SPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	<u>T0</u>	FIX TYPE	LEG TYPE	FO/FB	<u>RNP</u>	COURSE	DISTANCE	ALTITUDE
SUGAR	IAF	FONTI		TF	FB	1.00	294.49	14.82	4500
FONTI	IF	ZETGO		TF	FB	1.00	303.34	3.46	3500
ZETGO		TORME		TF	FB	1.00	303.31	4.62	2200
TORME	FAF	RW30L	MAP	TF	FO	0.30	303.25	4.90	
RW30L	MAP	783 MSL		CA			303.25		
783 MSL		TUDNE		DF	FO	1.00			3000

### MISSED APPROACH

MAP:

LPV: DA LNAV/VNAV: DA LNAV: RW30L

#### **MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT TUDNE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

OUALITL 16 CHECKED

AIRPORT ST LOUIS LAMBERT INT	L KSTL	ID	PROCEDURE NAME RNAV (GPS) Y RWY 30L	ORIGINAL/AMENDMENT 2	<u>CITY</u> ST LOUIS	<u>STATE</u> MO
PROFILE:						
1. PT SIDE OF COURSE	OUTBOUND	FT WITH	IN MILES OF (IAF)			
2. PROFILE STARTS AT FONTI						
3. FAC: 303.25 FAF: TOR   4. MIN ALT: FONTI 4500, ZETO		DIST FAF TO	<b>MAP:</b> 4.90 <b>DIST</b>	<b>FAF TO THLD: </b> 4.90		
5. DIST TO THLD FROM OM:	MM:	IM: 150	HAT: 200 HAT: 0.45	GS ANT:		
6. MIN GP INCPT: 2200	GP ALT AT FAF : TO	RME 2200	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	<b>TCH:</b> 57.7			
8. MSA FROM: RW30L 3000						

#### PBN REQUIREMENTS NOTE:

RNP APCH.

#### NOTES:

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 29. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW - 18°C OR ABOVE 54°C. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUGAR ON V44 EASTBOUND. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM. CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

#### ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.44 NM TO RW30L\* \*LNAV ONLY WAAS CHANNEL #99621 REFERENCE PATH ID: W30B FAS OBST: 850 AAO 384204N/0901725W. HOLD NW, LT, 123.20 INBOUND LTP HAE: 146.3 M

#### MINIMUMS:

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

ALTERNATE: NA

STANDARD

CATEGORY:		Α			В			С			D			Е	
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA**	783	2400	200	783	2400	200	783	2400	200	783	2400	200			
LNAV/VNAV DA	974	3500	391	974	3500	391	974	3500	391	974	3500	391			
LNAV MDA	1100	2400	517	1100	2400	517	1100	5500	517	1100	5500	517			

<u>AIRPORT</u>	<u>AIRPORT ID</u>	PROCEDURE NAME	ORIGINAL/AMENDMENT	<u>CITY</u>	<u>STATE</u>
ST LOUIS LAMBERT INTL	KSTL	RNAV (GPS) Y RWY 30L	2	ST LOUIS	MO

#### **CHANGES - REASONS**

1. CHANGED MISSED APPROACH CLEARANCE LIMIT FROM OBLIO LOM TO TUDNE - OBLIO LOM BEING DECOMMISSIONED

2. CHANGED FAC FROM 303.26 TO 303.25 - CURRENT TARGETS EVALUATION

3. CHANGED LNAV/VNAV DA/HAT FROM 988/405 TO 974/391 - NEW CONTROLLING OBSTACLE AND USING 5 YEAR HISTORICAL TEMPERATURE DATA

4. CHANGED TCH ON LINE 7 FROM 57.8 TO 57.7 - ALIGN WITH CURRENT ILS DESIGN TCH

5. DELETED DME/DME RNP-0.3 FROM NOTES - NOT REQUIRED PER CURRENT DOCUMENTATION CRITERIA

6. ADDED RNP APCH TO PBN REQUIREMENTS NOTES - CURRENT DOCUMENTATION CRITERIA

7. REMOVED DEGREES F VALUES FROM BARO-VNAV NA NOTE AND UPDATED VALUE FROM -16 TO -18 - ONLY CELSIUS DOCUMENTED PER CURRENT DOCUMENTATION CRITERIA AND CURRENT ACT BASED ON 5 YEAR TEMPERATURE DATA

8. CHANGED FAS OBSTACLE FROM 849 AAO 384200N/0901721W TO 850 AAO 384204N/0901725W - CURRENT CONTROLLING OBSTACLE BASED ON MAP STUDY

9. MOVED DISTANCE TO THLD FROM 200 HAT: 0.45 NM FROM ADDITIONAL FLIGHT DATA TO LINE 5 - CURRENT DOCUMENTATION CRITERIA

10. CHANGED LNAV/VNAV VISIBILITY ALL CATS FROM 5000 RVR TO 3500 RVR - 8260-3D TABLE 3-3-1 WITH MALSR LIGHTS

11. CHANGED LNAV CAT C VISIBILITY FROM 5000 RVR TO 5500 RVR AND CAT D FROM 6000 RVR TO 5500 RVR - 8260-3D TABLE 3-3-1 WITH MALSR LIGHTS

12. REMOVED LPV AND LNAV/VNAV VISIBILITY INCREASE FROM ALS INOP NOTE AND CHANGED LNAV CAT E 1 3/4 SM TO LNAV CAT C/D TO 1 3/8 SM - 8260-3D TABLE 3-3-1 WITH MALSR LIGHTS AND REMOVAL OF CAT E FROM APPROACH

13. CRC REMAINDER CHANGED FROM 11CDFFC5 TO FBDEA19D - THRESHOLD CROSSING HEIGHT CHANGED FROM 00057.8 TO 00057.6 AND FPAP LATITUDE/LONGITUDE CHANGED FROM 384514.0500N/0902244.9700W TO 384514.0400N/0902244.9785W

14. REMOVED CAT E MINS FROM APPROACH - WITH CAT E MINS, THE LEG LENGTH FROM FONTI TO ZETGO WAS TOO SHORT FOR ATC VECTORS. ATC CHOSE TO REMOVE CAT E OVER ADDING A NEW FIX AT THE CORRECT DISTANCE OR APPLYING FOR A WAIVER

15. REMOVED MAX HOLDING AIRSPEED NOTE FROM ADDITIONAL FLIGHT DATA - CAT E MIN REMOVED FROM APPROACH COORDINATED WITH:

A4A 🗙 🛛 ALPA 🗙	AOPA X APA X HAI NBAA X	OTHER: ZKC, STL APP CON, STL ATCT, AMGR		
FLIGHT CHECKED BY	Digitally signed by ALLAN WILL	OFFICE	DATE	
JOHN D JEFFERS	Feb 14, 2020	FICO	2/13/20	
<b>DEVELOPED BY</b> KELLIE R. BARNES	Digitally signed by KELLIE R BARNES	OFFICE AJV-A423	<u>DATE</u> 11/05/2019	
APPROVED BY MARLON ROBINSON	Dec 18, 2019 Digitally signed by ALLAN WILL Feb 14, 2020	OFFICE AJV-A420	DATE	<u>TITLE</u> MANAGER

AIRPORT	<u>AIRPORT ID</u>	PROCEDURE NAME	ORIGINAL/AMENDMENT	<u>CITY</u>	<u>STATE</u>
ST LOUIS LAMBERT INTL	KSTL	RNAV (GPS) Y RWY 30L	2	ST LOUIS	MO
FAS DATA BLOCK INFORMATION					
DATA FIELD	DATA				
OPERATION TYPE	0				
SBAS SERVICE PROVIDER IDENTIFIER	0				
AIRPORT IDENTIFIER	KSTL				
RUNWAY	RW30L				
APPROACH PERFORMANCE DESIGNATOR	0				
ROUTE INDICATOR	Y				
REFERENCE PATH DATA SELECTOR	0				
<b>REFERENCE PATH IDENTIFIER (APPROACH ID)</b>	W30B				
LTP/FTP LATITUDE	384417.0	)760N			
LTP/FTP LONGITUDE	0902049	.4240W			
LTP/FTP ELLIPSOIDAL HEIGHT	+01463				
FPAP LATITUDE	384514.0	0400N			
FPAP LONGITUDE	0902244	.9785W			
THRESHOLD CROSSING HEIGHT (TCH)	00057.7				
TCH UNITS SELECTOR (METERS OR FEET USE	<b>D)</b> F				
GLIDEPATH ANGLE (GPA)	, 03.00				
COURSE WIDTH AT THRESHOLD	106.75				
LENGTH OFFSET	0000				
HORIZONTAL ALERT LIMIT (HAL)	40.0				
VERTICAL ALERT LIMIT (VAL)	35.0				
CRC REMAINDER	FBDEA	9D			
ADDITIONAL PATH POINT RECORD INFORMATI	<u>ON</u>				
ICAO CODE	K3				
LTP ORTHOMETRIC HEIGHT	+01776				

FPAP ORTHOMETRIC HEIGHT

+01776

OUALITY 16 CHECKED