

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW30R  CLIMB TO 3000 DIRECT IDLOC AND ON TRACK 024.66 TO FASHE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 211.29 INBOUND. CHART FAS OBST: 740 TOWER 384435N/0902000W. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. WAAS CHANNEL # 73000 REFERENCE PATH ID: W30A LTP HAE: 152.9 M CHART PLANVIEW NOTE: RADAR REQUIRED					
TYRSH (IAF)		HIXOM (TF) (FB) (RNP 1.00)		303.39 / 2.87				5000							
HIXOM (IF)		EXALE (TF) (FB) (RNP 1.00)		303.36 / 4.44				3500							
EXALE		RELEY (TF) (FB) (RNP 1.00)		303.31 / 4.18				2100							
RELEY (FAF)		CEVTA/1.40 NM TO RW30R (TF) (FB) (RNP 0.30)		303.26 / 3.12											
CEVTA/1.40 NM TO RW30R		RW30R (MAP) (TF) (FO) (RNP 0.30)		303.26 / 1.40											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TYRSH 3. FAC: 303.26 FAF: RELEY DIST FAF TO MAP: 4.52 THLD: 4.52 4. MIN. ALT: TYRSH 5000, HIXOM 5000, EXALE 3500, RELEY 2100, CEVTA/1.40 NM TO RW30R 1100* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: RELEY 2100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 57.0 20:1 IS CLEAR 34:1 IS CLEAR 8. MSA FROM: RW30R 3000															
										MAG VAR: 1W			EPOCH YEAR: 2020		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	805	1800	200	805	1800	200	805	1800	200	805	1800	200	805	1800	200
LNAV/VNAV DA	901	2400	296	901	2400	296	901	2400	296	901	2400	296	901	2400	296
LNAV MDA	1000	2400	395	1000	2400	395	1000	3500	395	1000	3500	395	1000	3500	395
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 618 TDZE: 605				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
ST LOUIS, MO		AIRPORT NAME:				RNAV		RNAV (GPS) Y RWY 30R, AMDT 2A				AMDT: 2			
		ST LOUIS LAMBERT INTL										DATED 02/01/2018			



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/></div>		ZKC, STL APP CON, STL ATCT, AMGR			
FLIGHT CHECKED BY					
NAME:		FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW FLIGHT TEAM (AJW-333) MEMO, MAY 30, 2017			DATE:
		Digitally signed by <b>ROBERT G HAMILTON</b>			
DEVELOPED BY					
NAME:		PETER R. GUIMOND			DATE:
		Digitally signed by <b>PETER R GUIMOND</b> Nov 02, 2017			
APPROVED BY					
NAME:		JULIE A. MORGAN			DATE:
		Digitally signed by <b>ROBERT G HAMILTON</b> MANAGER			
CHANGES:					
Jan 02, 2018					
1. DELETED NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 29 AND RWY 30R. 2. ADDED NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 29. 3. DELETED NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO 4500 AND LNAV CAT D VISIBILITY TO RVR 6000, CAT E VISIBILITY TO 1 1/8. 4. ADDED NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, LNAV CAT D VISIBILITY TO RVR 6000, AND LNAV CAT E VISIBILITY TO 1 1/8 SM.					
REASONS:					
1. REPLACED BY UPDATED NOTE. 2. ATC REQUEST. 3. REPLACED BY UPDATED NOTE. 4. FORMATTED IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-110(3)(D).					

**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES, (CONT.):**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW30R (MAP)	805 MSL (CA)	303.26	
805 MSL	IDLOC (DF) (FB) (RNP 1.00)		
IDLOC	FASHE (TF) (FO) (RNP 1.00)	024.66 / 22.24	3000

**NOTES, (CONT.):**

VISIBILITY TO 4500, LNAV CAT D VISIBILITY TO RVR 6000, AND LNAV CAT E VISIBILITY TO 1 1/8 SM.  
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 29.  
 CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
 CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.

QUALITY  
26  
CHECKED

CITY AND STATE <b>ST LOUIS, MO</b>	ELEVATION: 618 AIRPORT NAME: <b>ST LOUIS LAMBERT INTL</b>	TDZE: 605	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 30R, AMDT 2A</b>	SUP:
					AMDT: <b>2</b>
					DATED: <b>02/01/2018</b>

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSTL
RUNWAY	RW30R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	384418.9850N
LTP/FTP LONGITUDE	0902022.5070W
LTP/FTP ELLIPSOIDAL HEIGHT	+01529
FPAP LATITUDE	384506.5200N
FPAP LONGITUDE	0902158.8800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 40CC7DC6

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01843
FPAP ORTHOMETRIC HEIGHT	+01843

QUALITY  
26  
CHECKED

CITY AND STATE  ST LOUIS, MO	ELEVATION: 618 AIRPORT NAME:  ST LOUIS LAMBERT INTL	TDZE: 605  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) Y RWY 30R, AMDT 2A	SUP:
				AMDT: 2
				DATED: 02/01/2018

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA      OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

## STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

## PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	TYRSH	HIXOM	1. TOWER (17-001504)	383531.65N/0900202.29W	1047 (2C)	1000	AT2953	5000
			2. TERRAIN	383445.00N/0900412.00W	657 (700)		AS1500	2200
INTERMEDIATE	HIXOM	EXALE	3. ARCH (29-000289)	383729.00N/0901108.00W	1075 (3C)	500	AT1925	3500
			4. TERRAIN	383757.00N/0901215.00W	493 (500)		AS1500	2000
INTERMEDIATE: STEPDOWN	EXALE	RELEY	5. BLDG_TWR (29-001352)	383739.00N/0901121.00W	1055 (5D)	500		1600
			6. TERRAIN	384130.00N/0901551.00W	555 (600)		AS1500	2100
FINAL: LPV	RELEY	RW30R				ASC		805/200
FINAL: LNAV/VNAV	RELEY	RW30R	7. TOWER (29-020482)	384434.80N/0902000.30W	740 (1A)	161		901/296
FINAL: LNAV	RELEY	CEVTA/1.40 NM TO RW30R	8. AAO	384249.00N/0901629.00W	820 (2C)	250		1100
FINAL: LNAV STEPDOWN	CEVTA/1.40 NM TO RW30R	RW30R	7. TOWER (29-020482)	384434.80N/0902000.30W	740 (1A)	250		1000
2. PROCEDURE TURN								
3. MISSED APPROACH	MAP: DA / DA / RW30R	FASHE				ASC		3000
	ELEV: 636/740/900		9. TOWER (17-000270)	390052.60N/0901938.06W	997 (1A)	1000		2000
			10. TERRAIN	385630.00N/0902000.00W	745 (700)		AS1500	2200
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL				
CATEGORY B	1.5 NM		450					
CATEGORY C	1.7 NM		450					
CATEGORY D	2.3 NM		550					
CATEGORY E	4.5 NM		550					
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVAID: RW30R							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)
360-360	TWR (29-001023)	205/24.7	1949 (5D)	3000				
CITY AND STATE	ELEVATION: 618		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION	
ST LOUIS, MO	AIRPORT NAME: ST LOUIS LAMBERT INTL		RNAV		RNAV (GPS) Y RWY 30R, AMDT 2A		ACE	

PART B - SUPPLEMENTAL DATA										
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING			
ZKC ARTCC STL APP CON STL TOWER						N W S	OTHER: ASOS		SOURCE:KSTL	
						F A A			DISTANCE:	
						A / C			HOURS REMOTE OPERATION: 0 / YES	
SATISFACTORY ON:										
X	V H F	X	U H F		H F	LOCATION: KSTL				ADJUSTMENT: 0
4. MONITOR STATUS		PRIMARY NAVAID:								
		MONITOR POINT:								
		HRS OPTN:	CAT 1							
			CAT 3							
5. APPROACH & RUNWAY LIGHTING		X	ALSF-2 11, 12L, 29, 30R							
			(S) SALS							
		X	MALS 24 MALSR 06, 12R, 30L							
		X	HIRL 06, 11, 12L, 12R, 24, 29, 30L, 30R							
			MIRL							
		X	REIL 12L							
		X	TDZ 12L, 12R, 30R							
		X	C/L 11, 12L, 12R, 29, 30L, 30R							
		X	OTHER (SPECIFY) PAPI-4R 06, 11, 12L, 30L, 30R PAPI-4L 12R, 24, 29 LDIN 30L							
6. RUNWAY MARKINGS		BASIC								
		ALL WEATHER PIR-G 06, 11, 12L, 12R, 24, 29, 30L, 30R								
		INSTRUMENT								
7. RUNWAY VISUAL RANGE		APPROACH 06, 11, 12L, 12R, 24, 29, 30L, 30R								
		MIDFIELD 11, 12L, 29, 30R								
		ROLL OUT 06, 11, 12L, 12R, 24, 29, 30L, 30R								
8. GLIDE PATH		GP ANGLE: 3.00				ELEV RWY THRESHOLD: 604.5				
		DISTANCE FROM RWY:				ELEV GP ANTENNA:				
						THRESHOLD CROSSING HEIGHT: 57.0				
9. FINAL APPROACH COURSE AIMING		X	RUNWAY THRESHOLD FT. FROM THRESHOLD							
		X	ON CENTERLINE FT. FROM CENTERLINE							
10. WAIVERS: NONE										
PART D - PREPARED BY: PETER R. GUIMOND						DATE: 11/02/2017				
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5422				

PART C - REMARKS:

VDP NOT ESTABLISHED - WITHIN .5 NM OF STEPDOWN FIX.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

2. KSTL ASOS ON WMSCR.

3. 24 HOUR ATC TOWER HAS REDUNDANT WEATHER SOURCES, BACK-UP ALTIMETER NOT REQUIRED.

5. VGSI DATA: 3.00/55.3.

CRITICAL TEMPERATURES:  
CRITICAL LOW :-15C (+5F)  
CRITICAL HIGH :+54C (+130F)  
ACT :-15C  
APT ISA :+13.78C

CRITICAL TEMPERATURE REMARKS  
AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 1430 HIGH TEMP 1669.

NO ADDITIONAL AIRSPACE REQUIRED.

CIRCLING NOT AUTHORIZED PER ATC REQUEST.

TAA NOT APPLIED IAW ATC REQUEST.

LPV, LNAV/VNAV, AND LNAV INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLES.

RADAR REQUIRED FOR PROCEDURE ENTRY.

QUALITY  
26  
CHECKED