

**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.

<u>AIRPORT ID</u> STL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> ST LOUIS	<u>STATE</u> MO
<u>AIRPORT ELEVATION</u> 617	<u>TDZE</u> 551	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 03/26/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 AUGUST 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 1W
				<u>EPOCH YEAR</u> 2020
				<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>
FTZ VORTAC	IAF	AVITE		TF	FB	1.00	109.81	13.75	5000
AVITE	IF	IDUBY		TF	FB	1.00	063.62	7.76	3400
IDUBY		ZUDKA		TF	FB	1.00	063.69	3.16	2400
ZUDKA	FAF	RW06	MAP	TF	FO	0.30	063.75	5.64	
RW06	MAP	910 MSL		CA			063.75		
910 MSL		VELVT		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

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

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- PROFILE STARTS AT AVITE
- FAC:** 063.75 **FAF:** ZUDKA **DIST FAF TO MAP:** 5.64 **DIST FAF TO THLD:** 5.64
- MIN ALT:** AVITE 5000, IDUBY 3400, ZUDKA 2400
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **359 HAT:** 0.96 **GS ANT:**
- MIN GP INCPT:** 2400 **GP ALT AT PFAF:** ZUDKA 2400 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 53.7
- MSA FROM:** RW06 3000

QUALITY
29
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FTZ VORTAC AIRWAY RADIALS 082 CW 151.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS INCREASE LPV ALL CATS VISIBILITY TO RVR 5500; LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM; LNAV CAT A AND B VISIBILITY TO RVR 5500; AND LNAV CAT C, D, AND E VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS.
HOLD NE, LT, 241.00 INBOUND.
CHART FAS OBST: 784 BUILDING (29-001229) 384356N/0902355W.
CHART VDP AT 1.37 NM TO RW06.
WAAS CHANNEL # 93747
REFERENCE PATH ID: W06A
LTP HAE: 136.5 M

MINIMUMS:

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

ALTERNATE: NA ☐ 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
LPV DA	910	4000	359	910	4000	359	910	4000	359	910	4000	359	910	4000	359
LNAV/VNAV DA	1040	5000	489	1040	5000	489	1040	5000	489	1040	5000	489	1040	5000	489
LNAV MDA	1040	4000	489	1040	4000	489	1040	5000	489	1040	5000	489	1040	5000	489



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED IDUBY TO ZUDKA COURSE FROM “063.71” TO “063.69” AND DIST FROM “3.15” TO “3.16; UPDATED ZUDKA TO RW06 COURSE FROM “063.74” TO “063.75” AND DIST FROM “5.65” TO “5.64” – PFAF RELOCATED 68.55 FT NW.
2. TERMINAL ROUTES: UPDATED RWY06 TO ALTITUDE FROM “1018” TO “910” AND UPDATED COURSE FROM “063.74” TO “063.75” – RELOCATED ZUDKA (PFAF) 68.55 FT NW AND ADDED LPV MINIMUMS.
3. MAP: ADDED “LPV:DA” – FPT REQUEST FOR LPV.
4. PROFILE: LINE 3 FAC UPDATED FROM “063.74” TO “63.75”, AND DIST FAF TO MAP AND FAF TO THLD FROM “5.64” TO “5.65” – PFAF RELOCATED 68.55 FT NW.
5. PROFILE LINE 5: REMOVED “552 HAT:1.57; ADDED “359 HAT: 0.96” – 8260.19J, 8-6-7, E.(3)
6. PROFILE LINE 7: UPDATED 34:1 FROM “IS CLEAR” TO “IS NOT CLEAR” AND TCH FROM “50.0” TO “53.7” – UPDATED OBSTACLE EVALUATION; FPT REQUEST TO CLEAR PENETRATIONS.
7. PBN REQ: UPDATED FROM “RNP APCH” TO “RNP APCH – GPS” – 8260.19J, 8-6-8, D.
8. NOTES: REMOVED “CHART NOTE: WAAS VNAV NA” – FPT REQUEST.
9. NOTES: UPDATED “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.” TO “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.” – UPDATED WEATHER DATA.
10. NOTES: UPDATED “CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 5/8 SM AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 SM.” TO “CHART NOTE: FOR INOPERATIVE ALS INCREASE LPV ALL CATS VISIBILITY TO RVR 5500; LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM; LNAV CAT A AND B VISIBILITY TO RVR 5500; AND LNAV CAT C, D, AND E VISIBILITY TO 1 3/8 SM.” – UPDATED EVALUATION.
11. ADDITIONAL FLIGHT DATA: REMOVED “*” AND “*LNAV ONLY” – NO LONGER REQUIRED.
12. ADDITIONAL FLIGHT DATA: ADDED “WAAS CHANNEL #93747” AND “LTP HAE: 136.5 M” - 8260.19J, 4-6-10, A.
13. MINIMUMS: ADDED “LPV” – FPT REQUEST.
14. MINIMUMS: LOWER LNAV/VNAV DA/HAT FROM "1103/552" TO "1040/489" ALL CATS AND VISIBILITY FROM RVR "6000" TO "5000" ALL CATS - UPDATED OBSTACLE EVALUATIONS; 8260.58C, 3-3-5.
15. MINIMUMS: UPDATED LNAV CAT A AND B VIS FROM “2400” TO “4000” – UPDATED VISIBILITY CALCULATION.
16. ADDED FAS DATA – 8260.19J, APPENDIX K.
17. UPDATED AIRPORT ELEVATION FROM "618" TO "617" - UPDATED AIRPORT SURVEY/AIRNAV DATA.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☒

HAI

☐

NBAA

☒

OTHER: ZKC, STL APP CON, STL ATCT, AMGR

FLIGHT CHECKED BY

ROBERT T PERKINS

Digitally signed by

CASEY D HILL

Jun 04, 2025

OFFICE

AJF

DATE

05/22/2025

DEVELOPED BY

ALLAN WILL (HENRY A BRADSHAW)

Digitally signed by

CASEY D HILL

Jun 04, 2025

OFFICE

AJV-A423

DATE

01/03/2025

APPROVED BY

ALLAN WILL

Digitally signed by

CASEY D HILL

Jun 04, 2025

OFFICE

AJV-A423

DATE

TITLE

MANAGER



AIRPORT ID
STL

PROCEDURE NAME
RNAV (GPS) RWY 6

ORIGINAL/AMENDMENT
3

CITY
ST LOUIS

STATE
MO

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSTL
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	384448.0620N
LTP/FTP LONGITUDE	0902252.3830W
LTP/FTP ELLIPSOIDAL HEIGHT	+01365
FPAP LATITUDE	384528.7940N
FPAP LONGITUDE	0902111.0585W
THRESHOLD CROSSING HEIGHT (TCH)	00053.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0520
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	6B481BA6
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01678
FPAP ORTHOMETRIC HEIGHT	+01678

QUALITY
29
CHECKED