

**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</u> SPIRIT OF ST LOUIS	<u>AIRPORT ID</u> KSUS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26R	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ST LOUIS	<u>STATE</u> MO
<u>AIRPORT ELEVATION</u> 463	<u>TDZE</u> 463	<u>SUPERSEDED</u> RNAV (GPS) RWY 26R	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 1W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-03.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FASHE		CSX DME		TF	FB	1.00	192.65	23.31	4000
CSX DME	IAF	KORNN	NOPT	TF	FB	1.00	225.83	4.07	4000
EMKAA	IAF	KORNN	NOPT	TF	FB	1.00	344.00	7.04	4000
KORNN	IF/IAF	PAMUW		TF	FB	1.00	259.23	6.72	2100
PAMUW	FAF	RW26R	MAP	TF	FO	0.30	259.15	4.28	
RW26R	MAP	713 MSL		CA			259.15		
713 MSL		EXESS		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW26R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT EXESS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD E KORNN, RT, 259.23 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 259.16 **FAF:** PAMUW **DIST FAF TO MAP:** 4.28 **DIST FAF TO THLD:** 4.28
- 4. **MIN ALT:** KORNN 4000, PAMUW 2100
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.54 **GS ANT:**
- 6. **MIN GP INCPT:** 2100 **GP ALT AT FAF :** PAMUW 2100 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.50 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 47.4
- 8. **MSA FROM:** RW26R 3100

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 26R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
 CHART NOTE: VDP AND BARO-VNAV NA WHEN USING ST LOUIS LAMBERT INTL ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS LAMBERT INTL ALTIMETER SETTING AND INCREASE LPV DA TO 768 FEET, LNAV/VNAV DA TO 834 FEET, AND ALL MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FASHE ON V9 NORTHEASTBOUND AND ARRIVALS AT EMKAA ON V9-335 SOUTHEASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.15 NM TO RW26R*
 *LNAV ONLY
 WAAS CHANNEL #97414
 REFERENCE PATH ID: W26A
 FAS OBST: 685 AAO 384113N/0903423W.
 HOLD W, RT, 078.93 INBOUND
 LTP HAE: 109.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	713	3/4	250	713	3/4	250		NA			NA					
LNAV/VNAV DA	780	7/8	317	780	7/8	317		NA			NA					
LNAV MDA	940	1	477	940	1	477		NA			NA					
CIRCLING	1100	1	637	1120	1	657		NA			NA					



CHANGES - REASONS

1. CHANGED CSX VOR/DME TO CSX DME - CSX VOR DECOMMISSIONED 11/08/2018.
2. NEW PFAF (PAMUW) MOVED 416 FT EAST OF DBLEE - IPDS EVALUATION IAW 8260.5H 2-13.
3. INTERMEDIATE SEGMENT DISTANCE CHANGED FROM 6.08 NM TO 6.72 NM - THE PFAF MOVED TO NEW LOCATION.
4. FINAL CRS/ DISTANCE CHANGED FROM 259.15/4.92 NM TO 259.15/4.28 NM - THE PFAF MOVES TO NEW LOCATION.
5. FINAL LPV DA/HAT CHANGED FROM 803/340 TO 713/250 - CONTROLLING OBSTACLE CHANGED FROM TO 552 MSL TREE TO 533 MSL TREE.
6. FINAL LNAV/VNAV DA/HAT CHANGED FROM 953/490 TO 780/317 - CONTROLLING OBSTACLE CHANGED FROM 628 MSL TREE TO 581 MSL CONTROL TOWER.
7. FINAL LNAV MDA/HAT CHANGED FROM 1000/537 TO 940/477 - CONTROLLING OBSTACLE CHANGED FROM 709 MSL TREE TO 685 MSL AAO.
8. CHANGED BACKUP ALTIMETER LPV FROM 860 TO 768, LNAV/VNAV FROM 1010 TO 834 AND LPV, LNAV/VNAV VISIBILITY FOR 1/4 MILE TO 1/8 MILE - CRITERIA CHANGE.
9. CHANGED GP ANGLE FROM 3.00 TO 3.50.- MATCHING VGSI SLOPE.
10. CHANGED VDP FROM 1.32 NM TO 1.15 NM.- LNAV MDA LOWERED.
11. CHANGED CHART FAS OBSTACLE NOTE TO FAS OBSTACLE NOTE: 685 AAO 384113N/0903423W.- NEW LNAV CONTROLLING OBSTACLE.
12. CHANGED DISTANCE FAF TO MAP AND FAF TO THLD FROM 4.99 NM TO 4.28 NM. - PFAF MOVED, ANGLE CHANGED.
13. CHANGED CAT B CIRCLING MINIMUMS FROM 637/1100 TO 657/1120.- NEW CIRCLING RADII AND NEW CONTROLLING OBSTACLE.
14. BARO VNAV LOW TEMP CHANGED FROM -15 TO -18.- NEW 5 YEAR AVERAGE.
15. CHARTED CIRCLING ICON.-UPDATED CIRCLING TO NEW RADII.
16. FAS DATA: CRC REMAINDER CHANGED FROM E5CCA246 TO F5138BAC.-ANGLE CHANGED FROM 3.00 TO 3.50.

10/25/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/31/18

1. UPDATED PROCEDURE CODING.
2. ADDED IMPER FIX TO PROJECT FOR VORMON UPDATES.

1/7/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 12/10/2018:

1. CHANGED ALL REFERENCES OF LAMBERT-ST LOUIS INTL ALTIMETER SETTING TO ST LOUIS LAMBERT INTL ALTIMETER SETTING IN NOTES.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** STL APP CON, SUS TOWER, AMGR

FLIGHT CHECKED BY

MICHAEL S MILLER

Digitally signed by **OFFICE**

WARDELL HENNING FIOG

Jan 08, 2019

DATE

12/5/2018

DEVELOPED BY

LONNIE EVERHART (KEITH CTR MCKAY)

Digitally signed by **WARDELL HENNING**

OFFICE

AJV-5400

Jan 08, 2019

DATE

APPROVED BY

LONNIE EVERHART

Digitally signed by **WARDELL HENNING**

OFFICE

AJV-5400

Jan 08, 2019

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUS
RUNWAY	RW26R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	384001.1100N
LTP/FTP LONGITUDE	0903904.1425W
LTP/FTP ELLIPSOIDAL HEIGHT	+01099
FPAP LATITUDE	383942.6900N
FPAP LONGITUDE	0904055.4400W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F5138BAC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01412
FPAP ORTHOMETRIC HEIGHT	+01412

