

**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><br>KSUS       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 26L | <u>ORIGINAL/AMENDMENT</u><br>1A                 | <u>CITY</u><br>ST LOUIS                   | <u>STATE</u><br>MO         |                      |                           |
| <u>AIRPORT ELEVATION</u><br>463 | <u>TDZE</u><br>462                          | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 26L         | <u>ORIGINAL/AMENDMENT</u><br>1            | <u>DATED</u><br>02/28/2019 | <u>MAG VAR</u><br>1W | <u>EPOCH YEAR</u><br>2020 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>            | <u>ACTUAL EFFECTIVE DATE</u><br>25 JANUARY 2024 | <u>REQUIRED EFFECTIVE DATE</u><br>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> |
|------------------------|-----------------|------------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| FASHE                  |                 | CSX DME                |                 | TF              | FB           | 1.00       | 192.65        | 23.31           | 4000            |
| CSX DME                | IAF             | CHADD                  | NOPT            | TF              | FB           | 1.00       | 214.83        | 3.85            | 4000            |
| EMKAA                  | IAF             | CHADD                  | NOPT            | TF              | FB           | 1.00       | 349.24        | 6.55            | 4000            |
| CHADD                  | IF/IAF          | FAVOG                  |                 | TF              | FB           | 1.00       | 259.22        | 6.03            | 2100            |
| FAVOG                  | FAF             | SHEGZ/3.20 NM TO RW26L |                 | TF              | FB           | 0.30       | 259.14        | 1.77            |                 |
| SHEGZ/3.20 NM TO RW26L |                 | RW26L                  | MAP             | TF              | FO           | 0.30       | 259.14        | 3.20            |                 |
| RW26L                  | MAP             | 662 MSL                |                 | CA              |              |            | 259.14        |                 |                 |
| 662 MSL                |                 | JOBKR                  |                 | DF              | FO           | 1.00       |               |                 | 3000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW26L

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT JOBRK AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

|                                                                              |                                                     |                  |                  |               |                        |
|------------------------------------------------------------------------------|-----------------------------------------------------|------------------|------------------|---------------|------------------------|
| 1. PT                                                                        | SIDE OF COURSE                                      | OUTBOUND         | FT WITHIN        | MILES OF      | (IAF)                  |
| 2. HOLD E CHADD, RT, 259.22 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000. |                                                     |                  |                  |               |                        |
| 3. FAC:                                                                      | 259.14                                              | FAF: FAVOG       | DIST FAF TO MAP: | 4.97          | DIST FAF TO THLD: 4.97 |
| 4. MIN ALT:                                                                  | CHADD 4000, FAVOG 2100, SHEGZ/3.20 NM TO RW26L 1540 |                  |                  |               |                        |
| 5. DIST TO THLD FROM OM:                                                     | MM:                                                 | IM:              | 150 HAT:         | 200 HAT: 0.45 | GS ANT:                |
| 6. MIN GP INCPT:                                                             | 2100                                                | GP ALT AT PFAF : | FAVOG 2100       | OM:           | MM:                    |
| 7. GP ANGLE:                                                                 | 3.00                                                | 34:1:            | IS CLEAR         | 20:1:         | IS CLEAR               |
|                                                                              |                                                     |                  | TCH:             | 55.0          |                        |
| 8. MSA FROM:                                                                 | RW26L 3100                                          |                  |                  |               |                        |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ST LOUIS LAMBERT INTL ALTIMETER SETTING.  
CHART NOTE: \*\* RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING ST LOUIS LAMBERT INTL ALTIMETER SETTING).  
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 FASHE ON V9 NORTHEAST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EMKAA ON V88 SOUTHWEST BOUND.  
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ST LOUIS LAMBERT INTL ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CAT C AND D TO 1 3/8 SM.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS LAMBERT INTL ALTIMETER SETTING: INCREASE LPV DA TO 705 FEET; INCREASE LNAV/VNAV DA TO 959 FEET AND ALL VISIBILITIES TO RVR 5000; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500 AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 078.92 INBOUND.  
CHART FAS OBST: 669 TREE 383945N/0903519W.  
CHART 704 BLDG\_TWR 383950N/0903406W.  
CHART VDP AT 1.26 NM TO RW26L.  
WAAS CHANNEL # 81914  
REFERENCE PATH ID: W26B  
CHART CIRCLING ICON.  
LTP HAE: 109.6 M



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

**ALTERNATE:** NA ☐ STANDARD - CAT D 900-3, 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**     | 662    | 2400 | 200     | 662    | 2400 | 200     | 662    | 2400 | 200     | 662    | 2400 | 200     |        |     |         |
| LNAV/VNAV DA | 916    | 4500 | 454     | 916    | 4500 | 454     | 916    | 4500 | 454     | 916    | 4500 | 454     |        |     |         |
| LNAV MDA     | 920    | 2400 | 458     | 920    | 2400 | 458     | 920    | 4500 | 458     | 920    | 4500 | 458     |        |     |         |
| CIRCLING     | 1100   | 1    | 637     | 1140   | 1    | 677     | 1180   | 2    | 717     | 1360   | 3    | 897     |        |     |         |

**CHANGES - REASONS**

1. PROFILE LINE 4: REMOVED ASTERISK FROM "SHEGZ/3.20 NM TO RW26L 1540\*" - NO LONGER REQUIRED.
2. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I, 8-6-8.B.
3. NOTES: UPDATED CHART NOTE: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS LAMBERT INTL ALTIMETER SETTING AND INCREASE ALL DA 57 FEET, ALL MDA 60 FEET, INCREASE LNAV/VNAV VISIBILITY ALL CATS, AND LNAV CATS C/D VISIBILITY TO RVR 5500 TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS LAMBERT INTL ALTIMETER SETTING: INCREASE LPV DA TO 705; INCREASE LNAV/VNAV DA TO 959 FEET AND ALL VISIBILITIES TO RVR 5000; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500 AND CIRCLING VISIBILITY CAT C 1/4 SM".
4. CHANGED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT EMKAA ON V88 SOUTHWEST BOUND AND V44 EASTBOUND" TO "PROCEDURE NA FOR ARRIVALS AT EMKAA ON V88 SOUTHWEST BOUND" - FIX NOT LOCATED ON AIRWAY V44.
5. ADDITIONAL FLIGHT DATA: REMOVED "'LNAV ONLY" - NO LONGER REQUIRED.
6. ADDITIONAL FLIGHT DATA: ADDED 7:1 OBSTACLE 704 BLDG\_TWR 383950N/0903406W - IAW 8260.19I 8-6-10E(2) AND INCORPORATED NOTAM FDC 3/6172.
7. MINIMUMS: CIRCLING CAT B INCREASED FROM "1120/657" TO "1140/677" AND CIRCLING CAT C INCREASED FROM "1140/677" TO "1180/717" - NEW CONTROLLING OBSTACLE.
8. FAS DATA: CRC REMAINDER CHANGED FROM "0AF5F9W8" TO "A5B7C931" - FPAP LAT/LONG UPDATED FROM "383923.5700N/0903959.9800W" TO "383923.5800N/0903959.9810W".

**COORDINATED WITH:**

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☐ ~~HAI~~ ☐ ~~NBAA~~ ☒ **OTHER:** STL APP CON, SUS ATCT, AMGR

|                                                              |                                                                       |                           |                           |                         |
|--------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------|---------------------------|-------------------------|
| <b>FLIGHT CHECKED BY</b><br>GLENN B FREEMAN                  | <i>Digitally signed by</i><br><b>JASON KRETSCHMER</b><br>Oct 02, 2023 | <b>OFFICE</b><br>FPO      | <b>DATE</b><br>09/27/2023 |                         |
| <b>DEVELOPED BY</b><br>JASON KRETSCHMER (MATTHEW W.TOWNSEND) | <i>Digitally signed by</i><br><b>JASON KRETSCHMER</b><br>Oct 02, 2023 | <b>OFFICE</b><br>AJV-A421 | <b>DATE</b><br>06/23/2023 |                         |
| <b>APPROVED BY</b><br>JASON KRETSCHMER                       | <i>Digitally signed by</i><br><b>JASON KRETSCHMER</b><br>Oct 02, 2023 | <b>OFFICE</b><br>AJV-A421 | <b>DATE</b><br>11/30/2023 | <b>TITLE</b><br>MANAGER |



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KSUS          |
| RUNWAY                                   | RW26L         |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W26B          |
| LTP/FTP LATITUDE                         | 383942.0105N  |
| LTP/FTP LONGITUDE                        | 0903808.6875W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +01096        |
| FPAP LATITUDE                            | 383923.5800N  |
| FPAP LONGITUDE                           | 0903959.9810W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00055.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0616          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 35.0          |
| <br>                                     |               |
| CRC REMAINDER                            | A5B7C931      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K3     |
| LTP ORTHOMETRIC HEIGHT  | +01408 |
| FPAP ORTHOMETRIC HEIGHT | +01408 |