# Flight Procedure Tracking Form

| Action: | Task Type: | Date Open: | Task #: | Request #: |
|---|---|---|---|---|
| FLIGHT CHECK | IAP | 08/21/2012 | 2012012423164904002 | 20120124231649 |

**Procedure:** ILS OR LOC RWY 19 R AMDT 11 | **Airport ID:** KMCI | **Airport:** KANSAS CITY INTL | **Reimbursable #:**

**City:** KANSAS CITY | **ST:** MO | **GPS #:** | **Estimated Chart Date:** 03/07/2013 | **FICO #:**

**Fac ID:** PAJ | **Fac. Type:** ILS | **Specialist:** DAVID DANNER

## Procedure Review

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| **Lead:** | 08/23/2012 | 11/29/2012 | JILL OLSON | |
| **QA:** | 11/29/2012 | 12/07/2012 | CASIMIR TABAKA | |
| **Liaison:** | 12/07/2012 | | Spurlin | MAGVAR |

MAG VAR ?1

ESV REQUEST INCLUDED

**Procedure Comments:** ENROUTE-NON | **Remark Type:** INFORMATION

Ag 11.of 12

KANSAS CITY, MO KANSAS CITY INTL (KMCI) ILS OR LOC RWY 19R, AMDT 11 ENROUTE-NO FC: 1.22.13 PUB: 3.7.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): BRTNY-INT, REV 5; CAMDO-INT, REV 17; FAMUS-INT, REV 2; HNZLY-INT, REV 6; JUDAA-INT, REV 5; RUGBB-INT, REV 7; WESGI-INT, REV 2; ZESAB-INT, ORIG; (INFO ONLY) ST JOSEPH (STJ) VTAC, REV 12.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

# ILS or LOC RWY 19R

KANSAS CITY INTL (MCI)

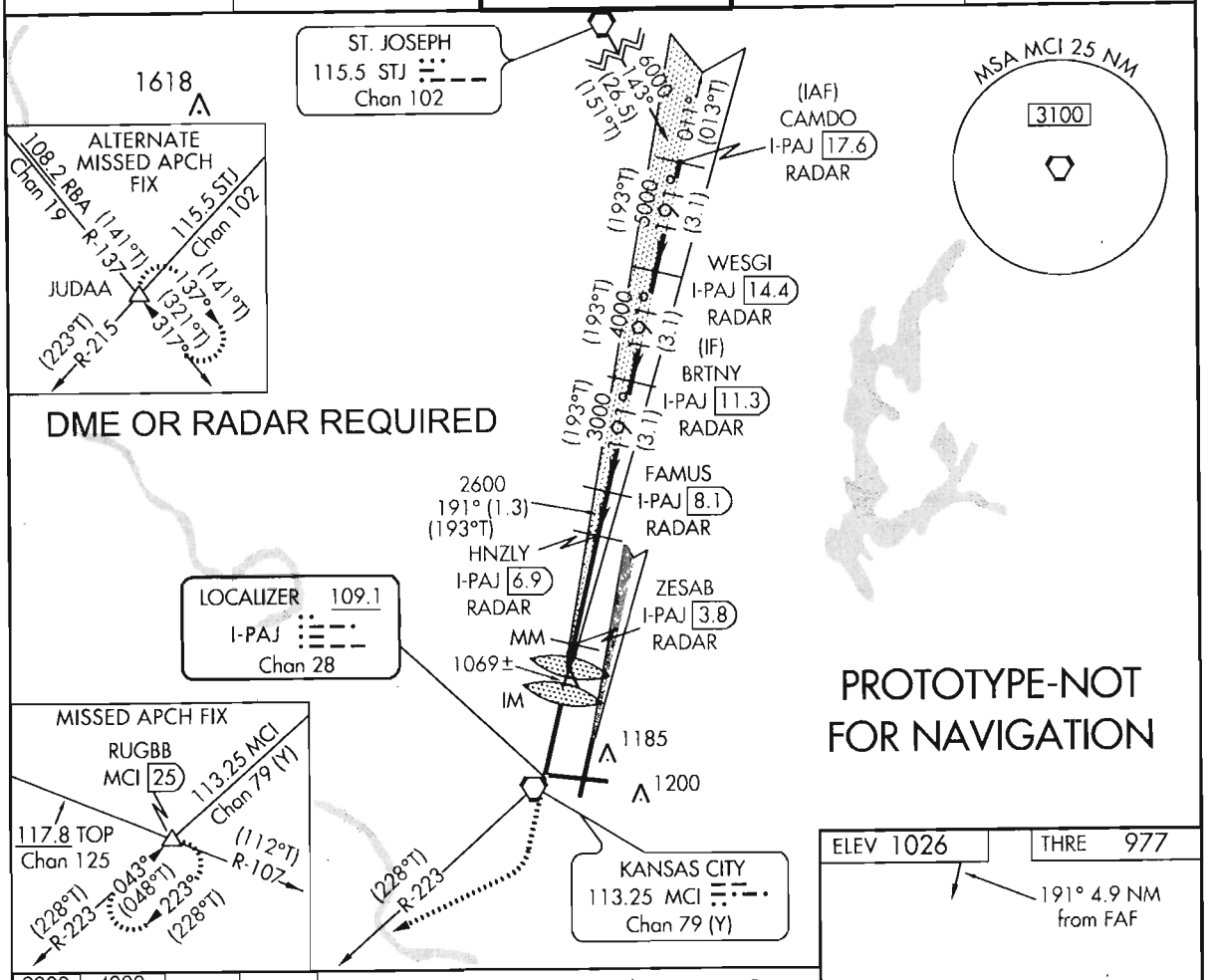
| LOC/DME I-PAJ | APP CRS | Rwy Idg 10801 |
|---|---|---|
| 109.1 Chan 28 | 191° | THRE 977 |
| | | Apt Elev 1026 |

Simultaneous approach authorized with Rwy 19L. DME or Radar Required.

ALSF-2

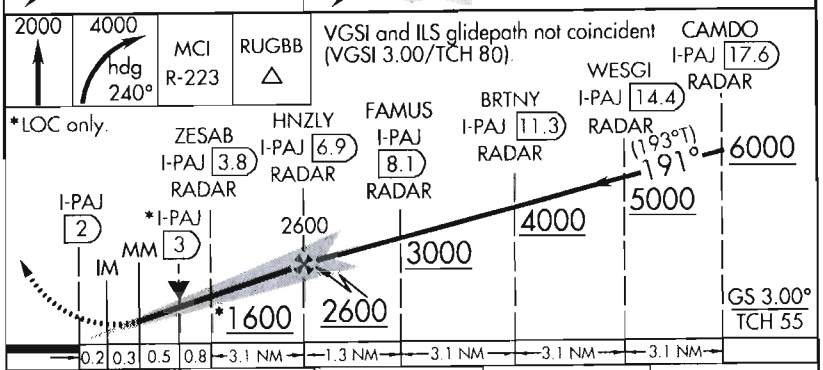
MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

| ATIS | KANSAS CITY APP CON | INTERNATIONAL TOWER | GND CON | CLNC DEL |
|---|---|---|---|---|
| 128.375 | 120.95 318.1 | 128.2 254.25 | 121.8 | 135.7 |




ELEV 1026 | THRE 977

191° 4.9 NM from FAF




| CATEGORY | A | B | C | D |
|---|---|---|---|---|
| S-ILS 19R | 1177/18 200 (200-½) | | | |
| S-LOC 19R | 1360/24 383 (400-½) | | 1360/35 383 (400-¾) | |
| CIRCLING | 1540-1 514 (600-1) | | 1540-1½ 514 (600-1½) | 1580-2 554 (600-2) |

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

| FAF to MAP 4.9 NM | | | | | |
|---|---|---|---|---|---|
| Knots | 60 | 90 | 120 | 150 | 180 |
| Min:Sec | 4:54 | 3:16 | 2:27 | 1:58 | 1:38 |

# ILS RWY 19R (SA CAT I)

KANSAS CITY INTL (MCI)

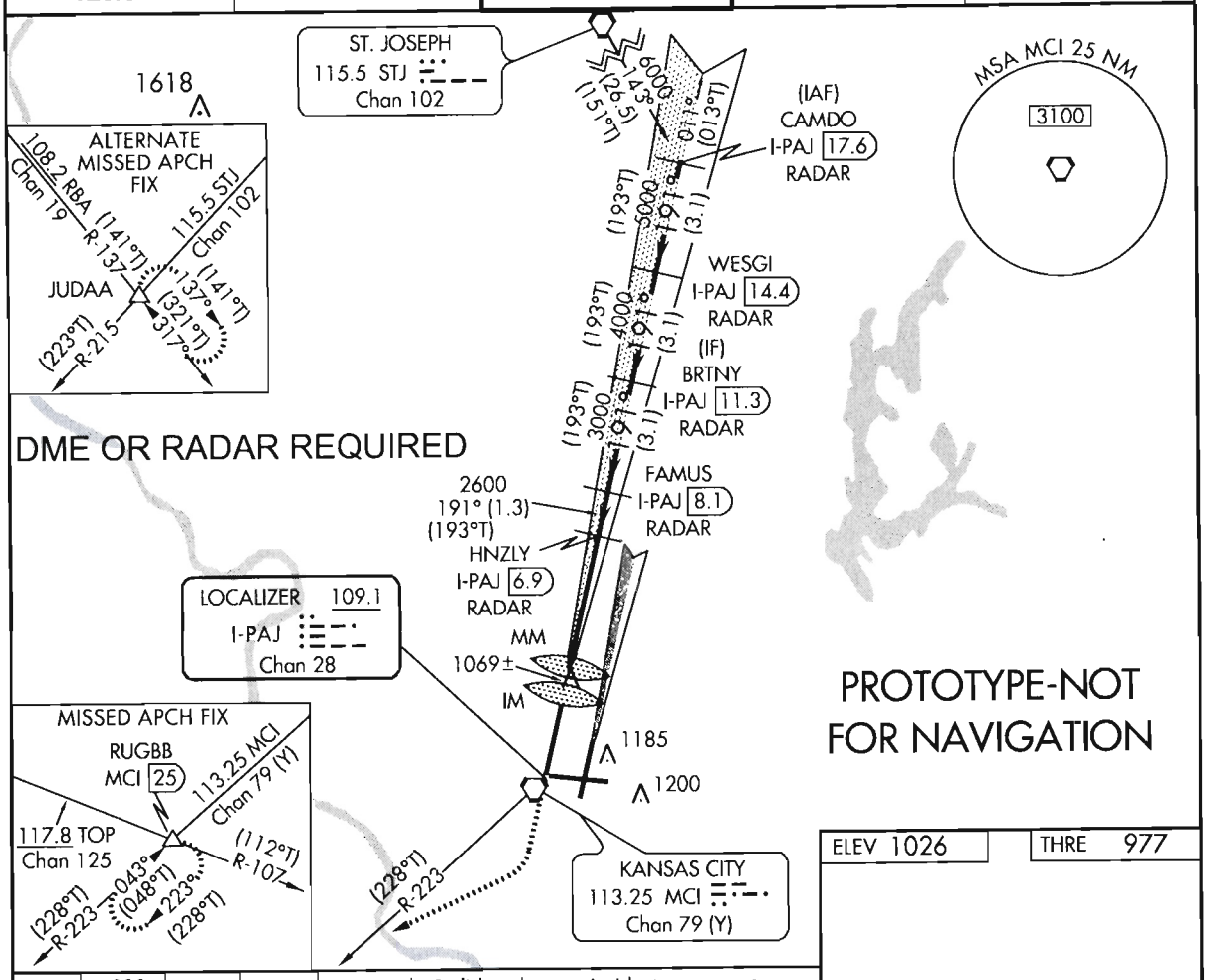
| LOC/DME I-PAJ | APP CRS | Rwy Idg / THRE / Apt Elev |
|---|---|---|
| 109.1 Chan 28 | 191° | 10801 / 977 / 1026 |

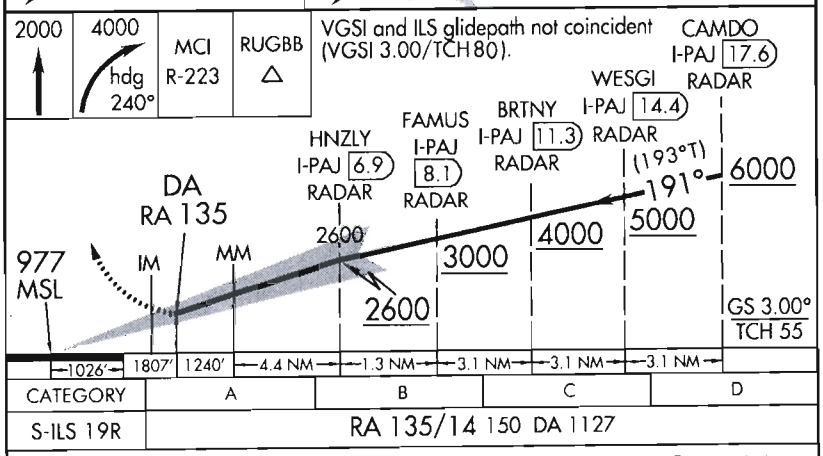
Simultaneous approach authorized with Rwy 19L. DME or Radar Required.

ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

| ATIS | KANSAS CITY APP CON | INTERNATIONAL TOWER | GND CON | CLNC DEL |
|---|---|---|---|---|
| 128.375 | 120.95 318.1 | 128.2 254.25 | 121.8 | 135.7 |




| CATEGORY | A | B | C | D |
|---|---|---|---|---|
| S-ILS 19R | RA 135/14 150 DA 1127 | | | |

## SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

# ILS RWY 19R (CAT II)

KANSAS CITY INTL (MCI)

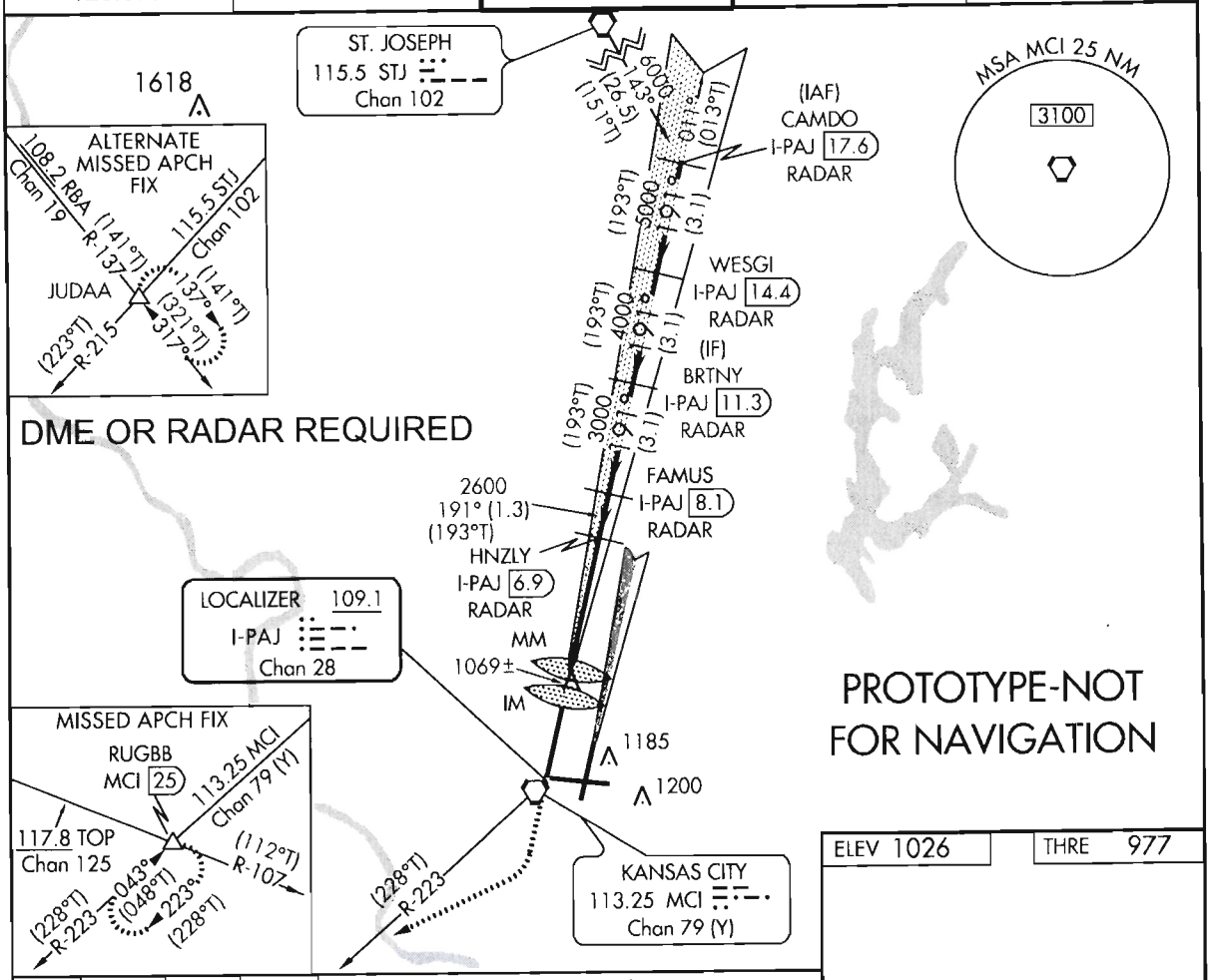
| LOC/DME I-PAJ | APP CRS | Rwy Idg / THRE / Apt Elev |
|---|---|---|
| 109.1 Chan 28 | 191° | 10801 / 977 / 1026 |

Simultaneous approach authorized with Rwy 19L. DME or Radar Required. RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

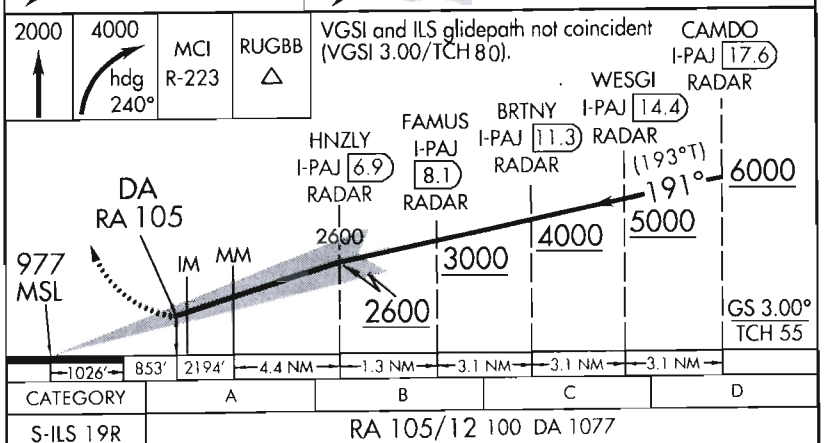
ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT/MCI 25 DME and hold.

| ATIS | KANSAS CITY APP CON | INTERNATIONAL TOWER | GND CON | CLNC DEL |
|---|---|---|---|---|
| 128.375 | 120.95 318.1 | 128.2 254.25 | 121.8 | 135.7 |




| ELEV 1026 | THRE 977 |
|---|---|




| CATEGORY | A | B | C | D |
|---|---|---|---|---|
| S-ILS 19R | RA 105/12 100 DA 1077 | | | |

## CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

# ILS RWY 19R (CAT III)

## KANSAS CITY INTL (MCI)

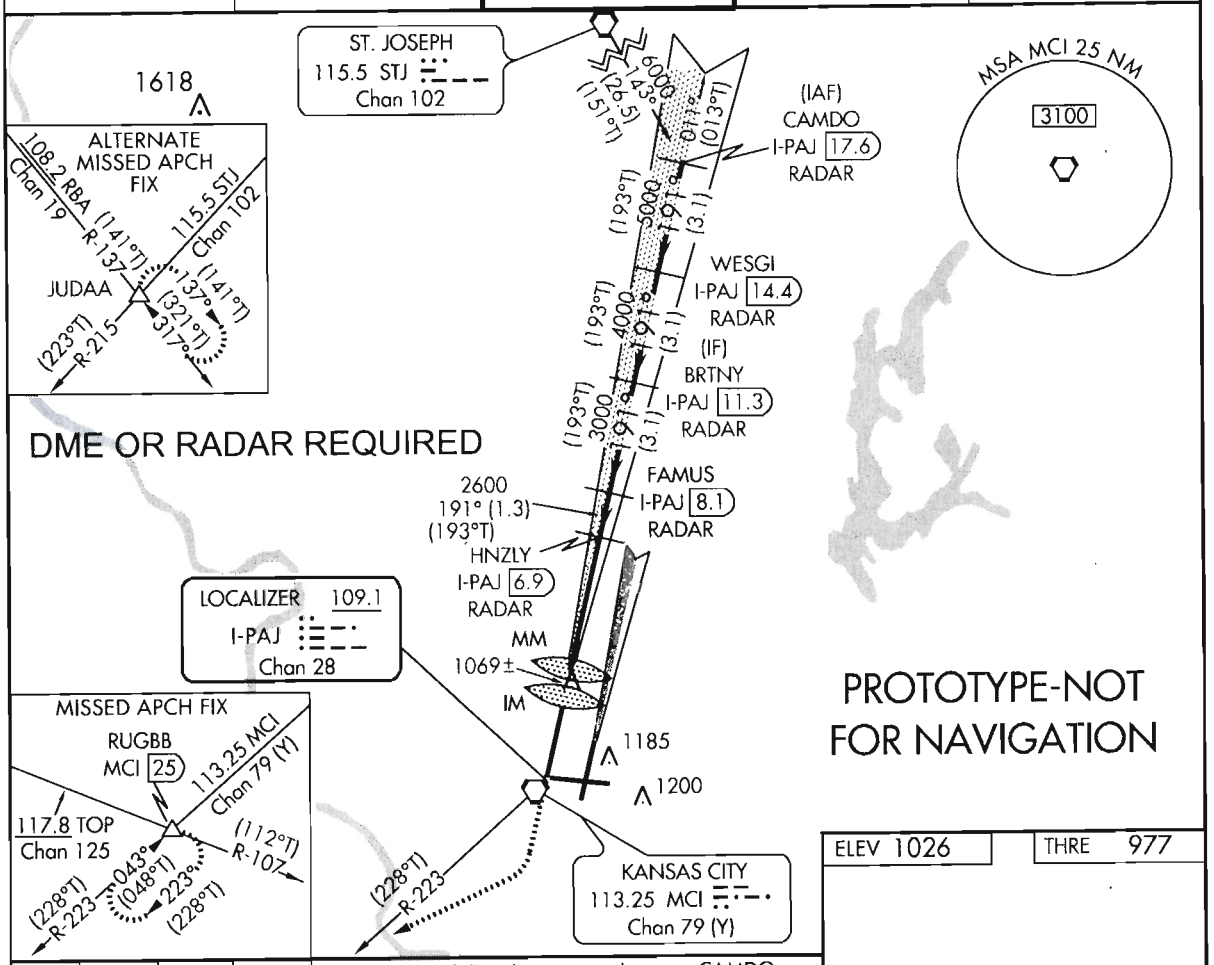
| LOC/DME I-PAJ | APP CRS | Rwy Idg / THRE / Apt Elev |
|---|---|---|
| 109.1 Chan 28 | 191° | 10801 / 977 / 1026 |

Simultaneous approach authorized with Rwy 19L. DME or Radar Required.

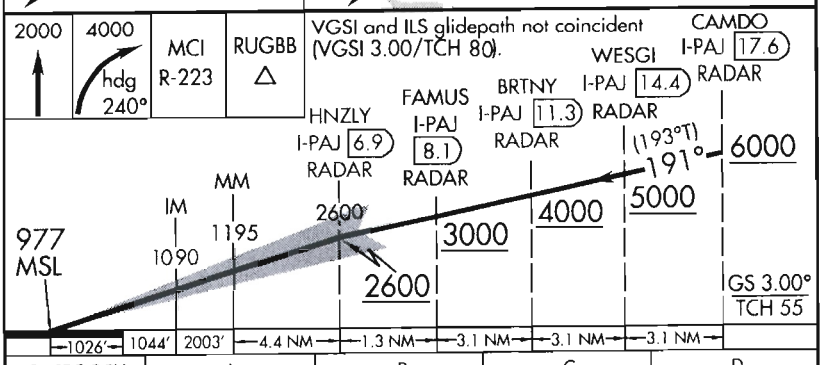
ALSF-2

MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 on heading 240° and on MCI VORTAC R-223 to RUGBB INT and hold.

| ATIS | KANSAS CITY APP CON | INTERNATIONAL TOWER | GND CON | CLNC DEL |
|---|---|---|---|---|
| 128.375 | 120.95 318.1 | 128.2 254.25 | 121.8 | 135.7 |




| ELEV 1026 | THRE 977 |
|---|---|




| CATEGORY | A | B | C | D |
|---|---|---|---|---|
| S-ILS 19R | CAT IIIa RVR 07 | | | |
| S-ILS 19R | CAT IIIb RVR 06 | | | |
| S-ILS 19R | CAT IIIc NA | | | |

**CATEGORY III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED**

HIRL all Rwys
TDZ/CL Rwys 1L, 1R, 19L and 19R

## ESV Details

| Originating Office : | Airspace Docket Number : | Request Type : Establish | |
|---|---|---|---|
| **Facility Data** | | | |
| Chart Name : KANSAS CITY | City : KANSAS CITY | Ident : PAJ | State : MO |
| Type/Class : LOC | Frequency : M109.1 | Reference No.: 12108680 | |

**Expanded Service Volume Data: (Requesting Officer)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude |
|---|---|---|---|---|---|
| FAA 731797-002 | 10 | 0 | 18 | 60 | 70 |

| Requirement: SUPPORTS CAMDO DME/RADAR FIX GLIDESLOPE INTCPT RWY 19R @ KMCI | | |
|---|---|---|
| Signature: cory scott | Routing Symbol: AJV-353 | Date: 10/05/2012 |

**Expanded Service Volume Data: (FMO)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude | Action Type |
|---|---|---|---|---|---|---|
| FAA 731797-002 | 10 | 0 | 18 | 60 | 70 | APPROVE |

| Requirement/Remarks: SUPPORTS CAMDO DME/RADAR FIX GLIDESLOPE INTCPT RWY 19R @ KMCIAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT. | | |
|---|---|---|
| Signature: NASSR NASHAAT | Routing Symbol: | Date: 10/11/2012 |

**Expanded Service Volume Data: (Super FMO)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude | Action Type |
|---|---|---|---|---|---|---|
| FAA 731797-002 | 10 | 0 | 18 | 60 | 70 | APPROVE |

| Requirement/Remarks: SUPPORTS CAMDO DME/RADAR FIX GLIDESLOPE INTCPT RWY 19R @ KMCIAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT. | | |
|---|---|---|
| Signature: Hughes Dennis | Routing Symbol: | Date: 10/18/2012 |

**Expanded Service Volume Data: (FIFO)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude | Action Type |
|---|---|---|---|---|---|---|
| FAA 731797-002 | 10 | 0 | | | | |

| Requirement/Remarks: | | |
|---|---|---|
| Signature: | Routing Symbol: | Date: |

## ESV Details

| Originating Office : | Airspace Docket Number : | Request Type : Establish | |
|---|---|---|---|
| **Facility Data** | | | |
| Chart Name : KANSAS CITY | City : KANSAS CITY | Ident : PAJ | State : MO |
| Type/Class : GS | Frequency : M331.4 | Reference No.: 12108681 | |

**Expanded Service Volume Data: (Requesting Officer)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude |
|---|---|---|---|---|---|
| FAA 731798-004 | 10 | 0 | 16 | 60 | 70 |

Requirement: SUPPORTS CAMDO DME/RADAR FIX GLIDESLOPE INTCPT RWY 19R @ KMCI

| Signature: cory scott | Routing Symbol: AJV-353 | Date: 10/05/2012 |
|---|---|---|

**Expanded Service Volume Data: (FMO)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude | Action Type |
|---|---|---|---|---|---|---|
| FAA 731798-004 | 10 | 0 | 16 | 60 | 70 | APPROVE |

Requirement/Remarks: SUPPORTS CAMDO DME/RADAR FIX GLIDESLOPE INTCPT RWY 19R @ KMCIAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

| Signature: NASSR NASHAAT | Routing Symbol: | Date: 10/11/2012 |
|---|---|---|

**Expanded Service Volume Data: (Super FMO)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude | Action Type |
|---|---|---|---|---|---|---|
| FAA 731798-004 | 10 | 0 | 16 | 60 | 70 | APPROVE |

Requirement/Remarks: SUPPORTS CAMDO DME/RADAR FIX GLIDESLOPE INTCPT RWY 19R @ KMCIAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

| Signature: Hughes Dennis | Routing Symbol: | Date: 10/18/2012 |
|---|---|---|

**Expanded Service Volume Data: (FIFO)**

| ESV ID | Radial 1 | Radial 2 | Distance | Minimum Altitude | Maximum Altitude | Action Type |
|---|---|---|---|---|---|---|
| FAA 731798-004 | 10 | 0 | | | | |

Requirement/Remarks:

| Signature: | Routing Symbol: | Date: |
|---|---|---|

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| STJ VORTAC | CAMDO/I-PAJ 17.56 DME/RADAR DME/RADAR | 142.62 / 26.45 | 6000 |
| CAMDO/I-PAJ 17.56 DME/RADAR (IAF) | WESGI/14.42 DME/RADAR | 190.93 / 3.14 (I-PAJ) | 5000 |
| WESGI/14.42 DME/RADAR | BRTNY/11.28 DME/RADAR | 190.93 / 3.14 (I-PAJ) | 4000 |
| BRTNY/11.28 DME/RADAR (IF) | FAMUS/8.14 DME/RADAR | 190.93 / 3.14 (I-PAJ) | 3000 |
| FAMUS/8.14 DME/RADAR | HNZLY/6.88 DME/RADAR | 190.93 / 1.26 (I-PAJ) | 2600 |

## MISSED APPROACH

ILS: DA
LOC: 4.92 MILES AFTER HNZLY/I-PAJ 6.88 DME/RADAR OR AT I-PAJ 1.96 DME FIX

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 240 AND ON MCI VORTAC R-223 TO RUGBB INT/MCI 25.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 330 AND ON RBA VOR/DME R-137 TO JUDAA INT/RBA 12.51 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 043.24 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE JUDAA INT/RBA 12.51 DME, RT, 316.98 INBOUND.
CHART FAS OBST: 1069 TREE 391958N/0944252W
CHART LOC RWY 19L.
CHART VDP AT 2.91 DME*;
DISTANCE VDP TO THLD 0.95 MILES.
*LOC ONLY.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CAMDO/17.56 DME/RADAR
3. FAC: 190.93 FAF: HNZLY/6.88 DME/RADAR DIST FAF TO MAP: 4.92 THLD: 4.92
4. MIN. ALT: CAMDO 6000, WESGI 5000, BRTNY 4000, FAMUS 3000, HNZLY 2600, ZESAB/3.76 DME/RADAR 1600*
5. DIST TO THLD FROM OM: - MM: 0.50 IM: 1044 150 HAT: 1807 100 HAT: 853 GS ANT: 1026
6. MIN GS INCPT: 2600 GS ALT AT: HNZLY 2600 OM: - MM: 1195 IM: 1090
7. GS ANGLE: 3.00 TCH: 55.3
8. MSA FROM: MCI VORTAC 3100

MAG VAR: 2E EPOCH YEAR: 2015

## MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD LOC: 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 |
| S-ILS 19R | 1177 | 1800 | 200 | 1177 | 1800 | 200 | 1177 | 1800 | 200 | 1177 | 1800 | 200 | | | |
| S-LOC 19R | 1360 | 2400 | 383 | 1360 | 2400 | 383 | 1360 | 3500 | 383 | 1360 | 3500 | 383 | | | |
| CIRCLING | 1540 | 1 | 514 | 1540 | 1 | 514 | 1540 | 1 1/2 | 514 | 1580 | 2 | 554 | | | |

NOTES:
SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 19R: CAT A, B, C, D, RA 135, RVR 1400, HATh 150, DA 1127 MSL.
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 19R: CAT A, B, C, D, RA 105, RVR 1200, HATh 100, DA 1077 MSL.
(SEE FORM 8260-10)

QUALITY 3 CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| KANSAS CITY, MO | KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II),<br>ILS RWY 19R (CAT III) | AMDT: 10B<br>DATED 04/05/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| [ ] YES [X] NO | | ROUTINE |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| [X] | [ ] | [X] | [X] | [X] | [X] | [X] ZKC, MCI ATCT, MCI APP CON, AMGR |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| | | |

| DEVELOPED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| DAVID DANNER | AJV-353 | 09/21/2012 |

| APPROVED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| LARRY H STROUT MANAGER | AJV-353 | |

CHANGES:

1. LINE 5: 150 HAT 1807 ADDED, 100 HAT: CHANGED FROM 1175 TO 853.
2. ADDED - SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 19R: CAT A, B, C, D, RA 135, RVR 1400, HATh 150, DA 1127 MSL.
3. CHANGED CAT II ILS NOTE: DA FROM 1089 TO 1077 AND RA FROM 117 TO 105.
4. STJ TO CAMDO COURSE AND DISTANCE CHANGED FROM 143.49/26.9 TO 142.62/26.45.
5. CAMDO TO WESGI COURSE AND DISTANCE CHANGED FROM 187.93/2.92 TO 190.93/3.14.
6. WESGI TO BRTNY COURSE AND DISTANCE CHANGED FROM 187.93/2.97 TO 190.93/3.14.
7. BRTNY TO FAMUS COURSE AND DISTANCE CHANGED FROM 187.93/3.01 TO 190.93/3.14.
8. FAMUS TO HNZLY COURSE AND DISTANCE CHANGED FROM 187.93/1.22 TO 190.93/1.26.
9. MAGVAR CHANGED FROM 5E TO 2E.
10. ADDED STEPDOWN TO FINAL.
11. TCH CHANGED FROM 50 TO 55.3.
12. VDP CHANGED FROM 2.95 DME TO 2.91 DME.
13. FINAL COURSE CHANGED FROM 187.93 TO 190.93.

SEE 8260-10

REASONS:

1/2/3. IAW 8260.19E CHG 2.
4/5/6/7/8. FIXES MOVED FOR SIMULTANEOUS OPS AND OPTIMUM DESCENT.
9. FPT REQUEST.
10. MAINTAIN LOWER MINIMUMS.
11. AVNIS DATA.
12. IAW 8260.19E CHG 2 PAR 8-70 R.
13. AVNIS DATA/MAGVAR CHANGE.
14. RELOCATED FAF.
15. IAW 8260.19E, PARA 8-54 J (1).
16. KMCI IS ON LIST OF AIRPORTS AUTHORIZED FOR CAT II RVR 1000 WITH SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM (SMGCS).

PDF EDIT ITEMS FOR 8260-3: LINE 1. DELETED "NA" FROM PT; LINE 5. ADDED 150 HAT: 1807; PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ADDED - ILS RWY 19R (SA CAT I)

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD**
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-19R: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 19L.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| KANSAS CITY, MO | AIRPORT NAME: KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II),<br>ILS RWY 19R (CAT III) | AMDT: 10B<br>DATED: 04/05/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | FIFO | DATE: |
| **APPROVED BY** | | |
| NAME: | FIFO | DATE: |

CHANGES:

**CHANGES CONT.**

**14. DIST FAF TO MAP AND FAF TO THLD CHANGED FROM 4.87 TO 4.92. 15. TDZE REPLACED WITH THRE. 16. ADDED CAT II RVR 1000 CHART NOTE.**

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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.

ARINC PACKET - 424-18 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        STJ   K3011550VTH  N39573808W094553079    N39573808W094553079E0080011592 .   NARST JOSEPH
        SUSAD KMCIK3 IPAJ  K3010910 IT                     IPAJN39172577W094435197     010110     NARKANSAS CITY INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BRTNY K30    C     N39282536W094403325                    E0021     NAR           BRTNY
        SUSAEAENRT   CAMDO K30    C     N39343281W094384398                    E0021     NAR           CAMDO
        SUSAEAENRT   FAMUS K30    C     N39252160W094412776                    E0022     NAR           FAMUS
        SUSAEAENRT   HNZLY K30    C     N39240809W094414955                    E0022     NAR           HNZLY
        SUSAEAENRT   RUGBB K30    C   L N39002472W095080895                    E0025     NAR           RUGBB
        SUSAEAENRT   WESGI K30    C     N39312909W094393865                    E0021     NAR           WESGI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3AMCI     0     108YHN39175138W094425006E002001026         1800018000C    MNAR    KANSAS CITY INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3FI19R  ASTJ   010STJ  K3D 0V       IF                                          18000                  0 NS
        SUSAP KMCIK3FI19R  ASTJ   020CAMDOK3EA0E  A    TF                                  + 06000                        0 NS
        SUSAP KMCIK3FI19R  ASTJ   030WESGIK3EA0E       TF                                  + 05000                        0 NS
        SUSAP KMCIK3FI19R  ASTJ   040BRTNYK3EA0EE B    CF IPAJK3      0109011319090031PI   + 04000                        0 NS
        SUSAP KMCIK3FI19R  I      010BRTNYK3EA0E  I    IF IPAJK3      01090113         PI  J 040000260018000                0 NS
        SUSAP KMCIK3FI19R  I      011FAMUSK3EA0E S     CF IPAJK3      0109008219100031PI   + 03000                        0 NS
        SUSAP KMCIK3FI19R  I      020HNZLYK3EA0E  F    CF IPAJK3      0109006919100013PI   H 0260002600        -300MCI   K3D 0 NS
        SUSAP KMCIK3FI19R  I      030RW19RK3PG0GY M    CF IPAJK3      0109002019100049PI     01033             -300         0 NS
        SUSAP KMCIK3FI19R  I      040         0  M     CA                      1909        + 02000                        0 NS
        SUSAP KMCIK3FI19R  I      050         0        VI                      2400                                       0 NS
        SUSAP KMCIK3FI19R  I      060RUGBBK3EA0EY      CF MCI K3      2232025022320230D    + 04000                        0 NS
        SUSAP KMCIK3FI19R  I      070RUGBBK3EA0EE  R   HM                      0432T010    + 04000                        0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3GRW19R   0108011909 N39192005W094431479+0300    +0265600977000055150IIPAJ3

                1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **KANSAS CITY, MO** | AIRPORT NAME: **KANSAS CITY INTL** | **I-PAJ** | **ILS OR LOC RWY 19R, AMDT 11**<br>**ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II), ILS RWY 19R (CAT III)** | AMDT: **10B**<br>DATED: **04/05/2012** |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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.

```
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3IIPAJ3   010910RW19RN39172312W0944349351909N39191106W0944322671338 10260330300E00205500976
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3SMCI  K3D               0   18018003125                                                                          M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| KANSAS CITY, MO | AIRPORT NAME: KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II),<br>ILS RWY 19R (CAT III) | AMDT: 10B<br>DATED: 04/05/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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.

ARINC SUMMARY - 424-18 - ILS

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STJ | STJ | 010 | | IF | | FB | | | | | |
| | STJ | CAMDO | 020 | IAF | TF | | FB | | | | AA 06000 | |
| | STJ | WESGI | 030 | | TF | | FB | | | | AA 05000 | |
| | STJ | BRTNY | 040 | | CF | | FB | | 190.9() | 003.1 | AA 04000 | |
| | | BRTNY | 010 | FACF | IF | | FB | | | | AA 04000 GI 02600 | |
| | | FAMUS | 011 | SDF | CF | | FB | | 191.0() | 003.1 | AA 03000 | |
| | | HNZLY | 020 | FAF | CF | | FB | | 191.0() | 001.3 | GI 02600 GS 02600 | |
| | | RW19R | 030 | MAP | CF | | FO | | 191.0() | 004.9 | AT 01033 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 190.9() | | AA 02000 | |
| | | 050 | | VI | | FB | | 240.0() | | | |
| | RUGBB | 060 | | CF | | FO | | 223.2() | 023.0 | AA 04000 | |
| | RUGBB | 070 | | HM | R | FO | | 043.2() | T01.0 | AA 04000 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | MCI | N391707.02 | W0944413.42 | N3917.117 | W09444.224 |
| | STJ | N395738.08 | W0945530.79 | N3957.635 | W09455.513 |
| | IPAJ (DME) | N391725.77 | W0944351.97 | N3917.430 | W09443.866 |
| | BRTNY | N392825.36 | W0944033.25 | N3928.423 | W09440.554 |
| | CAMDO | N393432.81 | W0943843.98 | N3934.547 | W09438.733 |
| | FAMUS | N392521.60 | W0944127.76 | N3925.360 | W09441.463 |
| | HNZLY | N392408.09 | W0944149.55 | N3924.135 | W09441.826 |
| | RUGBB | N390024.72 | W0950808.95 | N3900.412 | W09508.149 |
| | WESGI | N393129.09 | W0943938.65 | N3931.485 | W09439.644 |
| | RW19R | N391920.05 | W0944314.79 | N3919.334 | W09443.247 |
| | IPAJ (LOC) | N391723.12 | W0944349.35 | N3917.385 | W09443.823 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW19R | 00977 | 55 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 / AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| KANSAS CITY, MO | KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II),<br>ILS RWY 19R (CAT III) | AMDT: 10B<br>DATED: 04/05/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

**LOC STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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.

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        STJ   K3011550VTH  N39573808W094553079    N39573808W094553079E0080011592     NARST JOSEPH
        SUSAD KMCIK3 IPAJ  K3010910 IT                     IPAJN39172577W094435197     010110     NARKANSAS CITY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BRTNY K30    C     N39282536W094403325                        E0021     NAR           BRTNY
        SUSAEAENRT   CAMDO K30    C     N39343281W094384398                        E0021     NAR           CAMDO
        SUSAEAENRT   FAMUS K30    C     N39252160W094412776                        E0022     NAR           FAMUS
        SUSAEAENRT   HNZLY K30    C     N39240809W094414955                        E0022     NAR           HNZLY
        SUSAEAENRT   RUGBB K30    C   L N39002472W095080895                        E0025     NAR           RUGBB
        SUSAEAENRT   WESGI K30    C     N39312909W094393865                        E0021     NAR           WESGI
        SUSAEAENRT   ZESAB K30    C     N39210540W094424364                        E0022     NAR           ZESAB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3AMCI     0     108YHN39175138W094425006E002001026         1800018000C    MNAR    KANSAS CITY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3FL19R  ASTJ   010STJ  K3D 0V       IF                                                  18000                  0 NS
        SUSAP KMCIK3FL19R  ASTJ   020CAMDOK3EA0E  A    TF                                       + 06000                           0 NS
        SUSAP KMCIK3FL19R  ASTJ   030WESGIK3EA0E       TF                                       + 05000                           0 NS
        SUSAP KMCIK3FL19R  ASTJ   040BRTNYK3EA0EE B    CF IPAJK3      0109011319090031PI  + 04000                           0 NS
        SUSAP KMCIK3FL19R  L      010BRTNYK3EA0E  I    IF IPAJK3      01090113        PI  + 04000     18000                 0 NS
        SUSAP KMCIK3FL19R  L      011FAMUSK3EA0E S     CF IPAJK3      0109008219100031PI  + 03000                           0 NS
        SUSAP KMCIK3FL19R  L      020HNZLYK3EA0E  F    CF IPAJK3      0109006919100013PI  + 02600                MCI   K3D 0 NS
        SUSAP KMCIK3FL19R  L      021ZESABK3EA0E S     CF IPAJK3      0109003819100031PI  + 01600            -301          0 NS
        SUSAP KMCIK3FL19R  L      030RW19RK3PG0GY M    CF IPAJK3      0109002019100018PI    01033            -301          0 NS
        SUSAP KMCIK3FL19R  L      040          0  M    CA                      1909       + 02000                           0 NS
        SUSAP KMCIK3FL19R  L      050          0       VI                      2400                                         0 NS
        SUSAP KMCIK3FL19R  L      060RUGBBK3EA0EY      CF MCI K3      2232025022320230D   + 04000                           0 NS
        SUSAP KMCIK3FL19R  L      070RUGBBK3EA0EE  R   HM                      0432T010    + 04000                           0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3GRW19R   0108011909 N39192005W094431479+0300    +0265600977000055150IIPAJ3
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| KANSAS CITY, MO | AIRPORT NAME: KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II),<br>ILS RWY 19R (CAT III) | AMDT: 10B<br>DATED: 04/05/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

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.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3IIPAJ3   010910RW19RN39172312W0944349351909N39191106W0944322671338 10260330300E00205500976

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3SMCI  K3D              0   18018003125                                                                    M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| KANSAS CITY, MO | AIRPORT NAME: KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II),<br>ILS RWY 19R (CAT III) | AMDT: 10B<br>DATED: 04/05/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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.

ARINC SUMMARY - 424-18 - LOC

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STJ | STJ | 010 | | IF | | FB | | | | | |
| | STJ | CAMDO | 020 | IAF | TF | | FB | | | | AA 06000 | |
| | STJ | WESGI | 030 | | TF | | FB | | | | AA 05000 | |
| | STJ | BRTNY | 040 | | CF | | FB | | 190.9() | 003.1 | AA 04000 | |
| | | BRTNY | 010 | FACF | IF | | FB | | | | AA 04000 | |
| | | FAMUS | 011 | SDF | CF | | FB | | 191.0() | 003.1 | AA 03000 | |
| | | HNZLY | 020 | FAF | CF | | FB | | 191.0() | 001.3 | AA 02600 | |
| | | ZESAB | 021 | SDF | CF | | FB | | 191.0() | 003.1 | AA 01600 | |
| | | RW19R | 030 | MAP | CF | | FO | | 191.0() | 001.8 | AT 01033 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 190.9() | | AA 02000 | |
| | | 050 | | VI | | FB | | 240.0() | | | |
| | RUGBB | 060 | | CF | | FO | | 223.2() | 023.0 | AA 04000 | |
| | RUGBB | 070 | | HM | R | FO | | 043.2() | T01.0 | AA 04000 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | MCI | N391707.02 | W0944413.42 | N3917.117 | W09444.224 |
| | STJ | N395738.08 | W0945530.79 | N3957.635 | W09455.513 |
| | IPAJ (DME) | N391725.77 | W0944351.97 | N3917.430 | W09443.866 |
| | BRTNY | N392825.36 | W0944033.25 | N3928.423 | W09440.554 |
| | CAMDO | N393432.81 | W0943843.98 | N3934.547 | W09438.733 |
| | FAMUS | N392521.60 | W0944127.76 | N3925.360 | W09441.463 |
| | HNZLY | N392408.09 | W0944149.55 | N3924.135 | W09441.826 |
| | RUGBB | N390024.72 | W0950808.95 | N3900.412 | W09508.149 |
| | WESGI | N393129.09 | W0943938.65 | N3931.485 | W09439.644 |
| | ZESAB | N392105.40 | W0944243.64 | N3921.090 | W09442.727 |
| | RW19R | N391920.05 | W0944314.79 | N3919.334 | W09443.247 |
| | IPAJ (LOC) | N391723.12 | W0944349.35 | N3917.385 | W09443.823 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW19R | 00977 | 55 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 1026 THRE: 977 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **KANSAS CITY, MO** | AIRPORT NAME: **KANSAS CITY INTL** | **I-PAJ** | **ILS OR LOC RWY 19R, AMDT 11 ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II), ILS RWY 19R (CAT III)** | AMDT: **10B** |
| | | | | DATED: **04/05/2012** |

| ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | 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. |
|---|---|---|---|---|---|---|---|---|
| FEEDER | STJ VORTAC | CAMDO/I-PAJ | 1. TOWER (29-001268) | 393903.00N/0944012.00W | 2049 (5E) | 1000 | AT2951 | 6000 |
| | | 17.56 DME/RADAR | 2. TERRAIN | 395800.00N/0945148.00W | 1172 (1200) | | AS1500 | 2700 |
| INITIAL | CAMDO/I-PAJ | WESGI/14.42 | 3. AAO | 393248.00N/0943421.00W | 1244 (4E) | 1000 | AT2756 | 5000 |
| | 17.56 DME/RADAR | DME/RADAR | 4. TERRAIN | 393248.00N/0943421.00W | 1044 (1000) | | AS1500 | 2500 |
| INITIAL: STEPDOWN | WESGI/14.42 | BRTNY/11.28 | 5. TOWER (29-020077) | 392811.44N/0943714.24W | 1301 (6F) | 1000 | AC250 AT1449 | 4000 |
| | DME/RADAR | DME/RADAR | 6. TERRAIN | 393118.00N/0944424.00W | 1034 (1000) | | AS1500 | 2500 |
| INTERMEDIATE | BRTNY/11.28 | FAMUS/8.14 | 5. TOWER (29-020077) | 392811.44N/0943714.24W | 1301 (6F) | 500 | AC250 AT949 | 3000 |
| | DME/RADAR | DME/RADAR | 7. TERRAIN | 392524.00N/0943939.00W | 1152 (1200) | | AS1500 | 2700 |
| INTERMEDIATE: | FAMUS/8.14 | HNZLY/6.88 | 8. AAO | 392524.00N/0943939.00W | 1152 (4E) | 500 | AC98 AT850 | 2600 |
| STEPDOWN | DME/RADAR | DME/RADAR | 9. TERRAIN | 392506.00N/0944000.00W | 936 (900) | | AS1500 | 2400 |
| FINAL: ILS | HNZLY/6.88 | RW19R | | | | ASC | | 1177/200 |
| | DME/RADAR | | | | | | | |
| FINAL: LOC | HNZLY/6.88 | ZESAB/3.76 | 10. AAO | 392246.22N/0944206.97W | 1179 (2C) | 250 | DG171 | 1600 |
| | DME/RADAR | DME/RADAR | | | | | | |
| 2. PROCEDURE TURN | NA | | | | | | | |
| 3. MISSED APPROACH MAP: | DA / 4.92 MILES | RUGBB INT/MCI | | | | ASC | | 4000 |
| | AFTER | 25.00 DME | 12. TOWER (20-000940) | 390858.00N/0945645.00W | 1950 (5D) | 1000 | | 3000 |
| ELEV: | 1009/1110 | | 13. TERRAIN | 390600.00N/0950636.00W | 1096 (1100) | | AS1500 | 2600 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 514 | 14. TWR (29-000411) | 391751.00N/0944255.00W | 1233 (1A) | 300 | | 1540 |
| CATEGORY B | 1.5 NM | 450 | 514 | 14. TWR (29-000411) | 391751.00N/0944255.00W | 1233 (1A) | 300 | | 1540 |
| CATEGORY C | 1.7 NM | 450 | 514 | 14. TWR (29-000411) | 391751.00N/0944255.00W | 1233 (1A) | 300 | | 1540 |
| CATEGORY D | 2.3 NM | 550 | 554 | 14. TWR (29-000411) | 391751.00N/0944255.00W | 1233 (1A) | 300 | HAA | 1580 |
| CATEGORY E | 4.5 NM | 550 | | | | | | | |

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **MCI VORTAC**

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| 360-360 | TWR (29-000027) | 148/ 14.4 | 2049 (1A) | 3100 | | | | | |

QUALITY CHECKED

| CITY AND STATE | AIRPORT | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| KANSAS CITY, MO | ELEVATION: 1026<br>AIRPORT NAME: KANSAS CITY INTL | I-PAJ | ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II) , ILS RWY 19R (CAT III) | ACE |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | 3. ALTIMETER SETTING |
|---|---|---|
| MCI TOWER<br>ZKC ARTCC<br>MCI APP CON<br><br>SATISFACTORY ON: | N W S / F A A / A / C — OTHER: ASOS | SOURCE: KMCI<br>DISTANCE:<br>HOURS REMOTE OPERATION: |
| X VHF X UHF HF | LOCATION: KMCI | ADJUSTMENT: 0 |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: I-PAJ | |
| | MONITOR POINT: MCI ATCT | |
| | HRS OPTN: CAT 1 | 24 |
| | HRS OPTN: CAT 3 | |

| 5. APPROACH & RUNWAY LIGHTING | | |
|---|---|---|
| | X | ALSF-2 01R, 19R |
| | | (S) SALS |
| | X | MALSR 19L, 27, 01L, 09 |
| | X | HIRL 01R, 19L, 27, 01L, 09, 19R |
| | | MIRL |
| | | REIL |
| | X | TDZ 01R, 19L, 01L, 19R |
| | X | C/L 01R, 19L, 27, 01L, 09, 19R |
| | X | OTHER (SPECIFY)<br>PAPI-4L 01R, 27, 01L, 19R |

| | | |
|---|---|---|
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | PIR-G 01R, 19L, 27, 01L, 09, 19R |
| | INSTRUMENT | |
| 7. RUNWAY VISUAL RANGE | APPROACH | 01R, 19L, 27, 01L, 09, 19R |
| | MIDFIELD | 01R, 19L, 01L, 19R |
| | ROLL OUT | 01R, 19L, 27, 01L, 19R |
| 8. GLIDE PATH | GP ANGLE: 3.00 | ELEV RWY THRESHOLD: 977.4 |
| | DISTANCE FROM RWY: 1026 | ELEV GP ANTENNA: 981.1 |
| | | THRESHOLD CROSSING HEIGHT: 55.3 |

| 9. FINAL APPROACH COURSE AIMING | | | |
|---|---|---|---|
| | X | RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | X | ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS: NONE

| | |
|---|---|
| PART D - PREPARED BY: DAVID DANNER | DATE: 09/21/2012 |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | OFFICE: AJV-353 |

## PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

REDUNDANT WEATHER SOURCE; CONTINGENT SOURCE NOT DOCUMENTED PER AJV-353 MANAGER.

VGSI DATA: 3.00/80

ILS AND LOC INTERMEDIATE HAVE THE SAME CONTROLLING OBSTACLE.

80 FT VEGETATION USED PER CENTRAL FPT.

CAMDO (6000), WESGI (5000), BRTNY (4000), FAMUS (3000) FIXES ESTABLISHED ON GLIDEPATH PER ATC REQUEST USING HIGH TEMP CALCULATOR; SATISFIES DESCENT GRADIENT FOR SIMULTANEOUS OPERATIONS

SEE ATTACHED AIRSPACE LETTER.

OBS #5 6F ACCURACY FROM SECTIONAL MAP.

LOC XP: MAINTAIN CURRENT MINIMA; DOES NOT MEET 60 FT LOWERING CRITERIA.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
15. STACK (29-000690) 392651.00N/0945852.00W 1485 (5D)
1000 2500
16. TERRAIN 393027.00N/0945700.00W 1139 (1100) AS1500
2600

# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC | ALT. ADJUSTMENTS | MIN. ALT. |
|---|---|---|---|---|---|---|---|---|
| **FINAL: LOC STEPDOWN** | **ZESAB/3.76** | **4.92 MILES AFTER** | **11. TREE** | **391958.00N/0944252.00W** | **1069 (2C)** | **250** | **XP41** | **1360** |
| | **DME/RADAR** | **HNZLY/PAJ 6.88** | | | | | | |
| | | **DME/RADAR OR AT** | | | | | | |
| | | **I-PAJ 1.96 DME** | | | | | | |
| | | **FIX** | | | | | | |
| **FINAL: ILS CAT I** | **HNZLY/6.88** | **RW19R** | | | | **ASC** | | **1127/150** |
| | **DME/RADAR** | | | | | | | |
| **FINAL: ILS CAT II** | **HNZLY/6.88** | **RW19R** | | | | **ASC** | | **1077/100** |
| | **DME/RADAR** | | | | | | | |
| 3. MISSED APPROACH | MAP: | | | | | | | |
| | ELEV: | | | | | | | |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL |
|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | |
| 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:

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |

MSA 3 CHECKED

| CITY AND STATE | | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| **KANSAS CITY, MO** | **ELEVATION: 1026**<br>AIRPORT NAME: **KANSAS CITY INTL** | **I-PAJ** | **ILS OR LOC RWY 19R, AMDT 11<br>ILS RWY 19R (SA CAT I), ILS RWY 19R (CAT II), ILS RWY 19R (CAT III)** | **ACE** |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | 3. ALTIMETER SETTING |
|---|---|---|
| SATISFACTORY ON: | ☐ N W S OTHER:<br>☐ F A A<br>☐ A / C | SOURCE:<br>DISTANCE:<br>HOURS REMOTE OPERATION: |
| ☐ V H F ☐ U H F ☐ H F | LOCATION: | ADJUSTMENT: |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: CAT 1 | |
| | HRS OPTN: CAT 3 | |

| 5. APPROACH & RUNWAY LIGHTING | |
|---|---|
| ☐ | **ALS** |
| ☐ | **(S) SALS** |
| ☐ | **MALS** |
| ☐ | **HIRL** |
| ☐ | **MIRL** |
| ☐ | **REIL** |
| ☐ | **TDZ** |
| ☐ | **C/LINE** |
| ☐ | **OTHER (SPECIFY)** |

| | | |
|---|---|---|
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | |
| | INSTRUMENT | |
| 7. RUNWAY VISUAL RANGE | APPROACH | |
| | MIDFIELD | |
| | ROLL OUT | |
| 8. GLIDE PATH | GP ANGLE: | ELEV RWY THRESHOLD: |
| | DISTANCE FROM RWY: | ELEV GP ANTENNA: |
| | | THRESHOLD CROSSING HEIGHT: |

| 9. FINAL APPROACH COURSE AIMING | | | |
|---|---|---|---|
| | ☐ | RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | ☐ | ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS:

| | |
|---|---|
| PART D - PREPARED BY: | DATE: |
| TITLE: | OFFICE: |

PART C - REMARKS:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BRTNY **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 392825.36N/0944033.25W **TYPE:** WP, RADAR, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | I-PAJ | LOC/DME | | 010.93 | 012.93 | 11.28 | 11.32 | | 4000 | 5500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES.
I-PAJ DME COORDINATES: 391725.77N/0944351.97W

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 19R | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 19R | | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
NEW COORDINATES; MOVED FIX 1298 FEET NORTH.
UPDATED FAC 1 MAG BRG FROM 009.93 TO 010.93.
UPDATED FAC 1 DME FROM 11.07 TO 11.28.
UPDATED FAC 1 DIST FROM FAC (NM) FROM 11.10 TO 11.32.
ADDED REMARK FOR FIX COORDINATE ESTABLISHMENT.
UPDATED FIX USE.

12/05/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/02/2012.
1. CHANGED MRA FROM 5400 TO 5500.

**DEVELOPED BY:** **DATE:** 10/02/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON, MCI ATCT
**OTHER:**

QUALITY CHECKED 4

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CAMDO **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 393432.81N/0943843.98W **TYPE:** WP, RADAR, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | I-PAJ | LOC/DME | | 010.93 | 012.93 | 17.56 | 17.59 | | 6000 | 7000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| I-PAJ | LOC/DME | R-011 | 18 | 6000 | 7000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES.
I-PAJ DME COORDINATES: 391725.77N/0944351.97W
ESV: I-PAJ GS R-011/16 6000-7000

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 19R | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 19R | | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 17 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
NEW COORDINATES; MOVED FIX 3694 FEET NORTH.
ADDED WP TO FIX TYPE.
UPDATED FAC 1 MAG BRG FROM 009.93 TO 010.93.
UPDATED FAC 1 DME FROM 16.95 TO 17.56.
UPDATED FAC 1 DIST FROM FAC (NM) FROM 16.99 TO 17.59.
UPDATED ESV DATA.
ADDED REMARK FOR FIX COORDINATE ESTABLISHMENT.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 10/02/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FAMUS **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 392521.60N/0944127.76W **TYPE:** WP, RADAR, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC. NM | DIST FROM FAC. FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | I-PAJ | LOC/DME | | 010.93 | 012.93 | 8.14 | 8.18 | | 3000 | 5400 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES.
I-PAJ DME COORDINATES: 391725.77N/0944351.97W

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 19R | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 19R | | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
NEW COORDINATES; MOVED FIX 524 FEET NORTH.
ADDED WP TO FIX TYPE.
UPDATED FAC 1 MAG BRG FROM 009.93 TO 010.93.
UPDATED FAC 1 DME FROM 8.05 TO 8.14.
UPDATED FAC 1 DIST FROM FAC (NM) FROM 8.09 TO 8.18.
ADDED REMARK FOR FIX COORDINATE ESTABLISHMENT.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 10/02/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON, MCI ATCT
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HNZLY **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 392408.09N/0944149.55W **TYPE:** WP, RADAR, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | I-PAJ | LOC/DME | | 010.93 | 012.93 | 6.88 | 6.92 | 42042 | 2600 | 5500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES.
ILS DME COORDINATES: 391725.77N/0944351.97W

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 19R | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 19R | | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 6 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
REMOVED RNP REMARK.
ADDED 8260.54A FORMULA 2-16B REMARK.
UPDATED FIX COORDINATES; FIX MOVED 297.96 FT NORTH.
FAC 1 DME DISTANCE CHANGED FROM 6.83 TO 6.88, DISTANCE FROM FAC CHANGED FROM 6.87 NM/41744 FT TO 6.92 NM/42042 FT.
RAISED FAC 1 MAA FROM 5400 TO 5500.

**DEVELOPED BY:** **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** DAVID DANNER

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** JUDAA **STATE:** KS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 394118.83N/0951510.74W **TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ROBINSON | RBA | VOR/DME | L | 136.98 | 140.98 | 12.51 | 12.51 | | 2600 | 17500 |
| 2 | ST JOSEPH | STJ | VORTAC | H | 215.00 | 223.00 | | 22.26 | | 2600 | 17500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SE | RBA | VOR/DME | 136.98 | 316.98 | R | 1 | | 4000 | 6000 | 5 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (20-002578) | 394144.35N/0951640.88W | 1402 | 1A |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**
ROBINSON (FAC 1) AND ST JOSEPH (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V61 | 1, 2 | | | | (US) |
| IAP | ILS OR LOC RWY 19R (CAT I, II, III) (ALT MA) | 1, 2 | 1 | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS OR LOC RWY 1L (ALT MA) | 1, 2 | 1 | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 9 | | | KMCI | KANSAS CITY | MO (US) |
| IAP | ROBINSON | 1, 2 | | KSTJ | ST JOSEPH | MO (US) |
| STAR | ROBINSON | 1, 2 | | KFLV | FORT LEAVENWORTH | KS (US) |
| STAR | ROBINSON | 1, 2 | | KIXD | OLATHE | KS (US) |
| STAR | ROBINSON | 1, 2 | | KOJC | OLATHE | KS (US) |
| STAR | ROBINSON | 1, 2 | | KMCI | KANSAS CITY | MO (US) |
| STAR | ROBINSON | 1, 2 | | KMKC | KANSAS CITY | MO (US) |
| STAR | ROBINSON | 1, 2 | | KLXT | LEE'S SUMMIT | MO (US) |
| STAR | ROBINSON | 1, 2 | | KGPH | MOSBY | MO (US) |

**REQUIRED CHARTING:** STAR, IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
ADDED WP TO FIX TYPE.
UPDATED FIX USE.
ADDED FIX ESTABLISHMENT REMARK.
CHANGED HOLDING PAT 1 CONTROLLING OBSTACLE ELEVATION FROM 1400 TO 1402.

12/05/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/27/2012.
1. CHANGED FIX TYPE ACTION FROM ESTABLISH TO MODIFY.
2. LOWERED FAC 1 AND 2 MRA FROM 3000 TO 2600.
3. ADDED ST JOSEPH (FAC 2) USED TO ESTABLISH FIX COORDINATES.

**DEVELOPED BY:** **DATE:** 09/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON
**OTHER:**

QUALITY 4 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** RUGBB **STATE:** KS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 390024.72N/0950808.95W **TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | MCI | VORTAC | H | 223.24 | 228.24 | 25.00 | 25.00 | | 3100 | 17500 |
| 2 | TOPEKA | TOP | VORTAC | L | 106.87 | 111.87 | 20.83 | 20.83 | | 2800 | 17500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SW | MCI | VORTAC | 223.24 | 043.24 | R | 1 | | 4000 | 6000 | 5 | 6 |
| 2 | SW | | WP | 226.24 | 046.24 | R | | 4 | 4000 | 6000 | 5 | 6 |
| 3 | SW | | WP | 226.24 | 046.24 | R | | 7 | 4000 | 6000 | 9 | 10 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (20-001146) | 385346.00N/0951029.00W | 2048 | 5D |
| 2 | 200 | TOWER (20-001146) | 385346.00N/0951029.00W | 2048 | 5D |
| 3 | 265 | TOWER (20-001146) | 385346.00N/0951029.00W | 2048 | 5D |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**
TOPEKA (FAC 2) AND KANSAS CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN 3 EVALUATED AT 265 KTS FOR MILITARY TRAFFIC AT KMCI.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V502 | 1, 2 | | | | (US) |
| EN ROUTE | V508 | 1, 2 | | | | (US) |
| IAP | ILS OR LOC RWY 33 | | | KLWC | LAWRENCE | KS (US) |
| IAP | RNAV (GPS) RWY 17 | | | KOWI | OTTAWA | KS (US) |
| IAP | RNAV (GPS) RWY 31 | | | KTOP | TOPEKA | KS (US) |
| IAP | ILS OR LOC RWY 19R | 1, 2 | 1 | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS OR LOC RWY 27 | 1, 2 | 1 | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | 1, 2 | 1 | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | 1, 2 | 1 | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | 3 | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 27 | | 3 | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 19R | | 2 | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS OR LOC RWY 19 (ALTERNATE MISSED) | 1, 2 | 1 | KMKC | KANSAS CITY | MO (US) |
| STAR | JHAWK | 1, 2 | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
UPDATED FAC 2 MAG/TRUE BRG FROM 106.88/111/88 TO 106.87/111/87.
UPDATED HOLDING PAT 2 RAD/CRS/BRG AND CRS INBOUND FROM 223.24/043.24 TO 226.24/046.24.
UPDATED HOLDING PAT 1 AND 2 MIN/MAX TEMPLATE FROM 5/6 TO 9/10.
UPDATED HOLDING PAT 1 AND 2 CONTROLLING OBSTRUCTION AIRSPEED FROM 200 TO 265.
ADDED HOLDING PATTERN MILITARY TRAFFIC REMARK.
UPDATED FIX USE.

12/05/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/01/2012.
1. CHANGED HOLDING PAT 1 AND 2 MIN/MAX TEMPLATE FROM 9/10 TO 5/6.
2. CHANGED HOLDING PAT 1 AND 2 CONTROLLING OBSTRUCTION AIRSPEED FROM 265 TO 200.
3. ADDED HOLDING PATTERN 3.

**DEVELOPED BY:** **DATE:** 10/01/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WESGI **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 393129.09N/0943938.65W **TYPE:** WP, RADAR, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | I-PAJ | LOC/DME | | 010.93 | 012.93 | 14.42 | 14.45 | | 5000 | 5400 |

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES.
I-PAJ DME COORDINATES: 391725.77N/0944351.97W
ESV: I-PAJ GS R-011/13 5000-5400

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 19R | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (RNP) Z RWY 19R | | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 03/07/2013

**REASON FOR REVISION:**
NEW COORDINATES; MOVED FIX 2358 FEET NORTH.
UPDATED FAC 1 MAG BRG FROM 009.93 TO 010.93.
UPDATED FAC 1 DME FROM 14.03 TO 14.42.
UPDATED FAC 1 DIST FROM FAC (NM) FROM 14.07 TO 14.45.
UPDATED ESV DATA.
ADDED REMARK FOR FIX COORDINATE ESTABLISHMENT.

**DEVELOPED BY:** **DATE:** 10/02/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON, MCI ATCT
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ZESAB **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 392105.40N/0944243.64W **TYPE:** WP, RADAR, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | KANSAS CITY | I-PAJ | LOC/DME | | 010.93 | 012.93 | 3.76 | 3.80 | | 1500 | 5500 |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 19R | 1 | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/07/2013

**DEVELOPED BY:** **DATE:** 10/03/2012 **OFFICE:** AJV-353 **NAME:** DAVID DANNER

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ST JOSEPH VORTAC **STATE:** MO **COUNTRY:** US

**LATITUDE/LONGITUDE:** 395738.08N/0945530.79W **TYPE:**

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE INFO ONLY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ST JOSEPH | STJ | VORTAC | H | | | | | | | 45000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N | STJ | VORTAC | 347.00 | 167.00 | R | 1-1 1/2 | | 2700 | 17500 | 6 | 16 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 230 | TOWER (29-001514) | 395834.00N/0945838.00W | 1520 | 5D |
| 1 | 265 | TOWER (29-001514) | 395834.00N/0945838.00W | 1520 | 5D |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
230K/265K PATTERN USED FOR MILITARY REQUIREMENTS.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | DES MOINES | | | KDSM | DES MOINES | IA (US) |
| DP | CHIEF | | | KFLV | FORT LEAVENWORTH | KS (US) |
| DP | ROYAL | | | KFLV | FORT LEAVENWORTH | KS (US) |
| DP | CHIEF | | | KIXD | OLATHE | KS (US) |
| DP | ROYAL | | | KIXD | OLATHE | KS (US) |
| DP | CHIEF | | | KOJC | OLATHE | KS (US) |
| DP | ROYAL | | | KOJC | OLATHE | KS (US) |
| DP | MEADOW LAKE | | | KMSP | MINNEAPOLIS | MN (US) |
| DP | MINNEAPOLIS | | | KMSP | MINNEAPOLIS | MN (US) |
| DP | CHIEF | | | KMCI | KANSAS CITY | MO (US) |
| DP | ROYAL | | | KMCI | KANSAS CITY | MO (US) |
| DP | CHIEF | | | KMKC | KANSAS CITY | MO (US) |
| DP | ROYAL | | | KMKC | KANSAS CITY | MO (US) |
| DP | CHIEF | | | KLXT | LEE'S SUMMIT | MO (US) |
| DP | ROYAL | | | KLXT | LEE'S SUMMIT | MO (US) |
| DP | WILDCAT | | | KLXT | LEE'S SUMMIT | MO (US) |
| DP | CHIEF | | | KGPH | MOSBY | MO (US) |
| DP | ROYAL | | | KGPH | MOSBY | MO (US) |
| DP | WILDCAT | | | KGPH | MOSBY | MO (US) |
| DP | CHIEF | | | KSTJ | ST JOSEPH | MO (US) |
| DP | ROYAL | | | KSTJ | ST JOSEPH | MO (US) |
| DP | BLUFS | | | KOMA | OMAHA | NE (US) |
| EN ROUTE | J18 | | | | | (US) |
| EN ROUTE | V159 | | | | | (US) |
| EN ROUTE | V50 | | | | | (US) |
| EN ROUTE | V77 | | | | | (US) |
| IAP | VOR/DME RNAV OR GPS RWY 16 | | | KK59 | ATCHISON | KS (US) |
| IAP | NDB RWY 33 | | | KFLV | FORT LEAVENWORTH | KS (US) |
| IAP | VOR/DME-A | | | KFLV | FORT LEAVENWORTH | KS (US) |
| IAP | NDB RWY 35 | | | KEZZ | CAMERON | MO (US) |
| IAP | ILS OR LOC RWY 19L | | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS OR LOC RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS OR LOC RWY 1L | | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS OR LOC RWY 27 | | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT II) | | | KMCI | KANSAS CITY | MO (US) |
| IAP | ILS RWY 19R (CAT III) | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19L | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) Y RWY 19R | | | KMCI | KANSAS CITY | MO (US) |
| IAP | RNAV (GPS) RWY 14 | | | KEVU | MARYVILLE | MO (US) |
| IAP | RNAV (GPS) RWY 32 | | | KEVU | MARYVILLE | MO (US) |
| IAP | ILS OR LOC RWY 35 | | | KSTJ | ST JOSEPH | MO (US) |
| IAP | LOC BC RWY 17 | | 1 | KSTJ | ST JOSEPH | MO (US) |
| IAP | RADAR | | | KSTJ | ST JOSEPH | MO (US) |
| IAP | VOR OR TACAN RWY 17 | | 1 | KSTJ | ST JOSEPH | MO (US) |
| IAP | VOR/DME OR TACAN RWY 35 | | | KSTJ | ST JOSEPH | MO (US) |
| STAR | ROBINSON | | | KFLV | FORT LEAVENWORTH | KS (US) |
| STAR | ROBINSON | | | KIXD | OLATHE | KS (US) |
| STAR | ROBINSON | | | KOJC | OLATHE | KS (US) |
| STAR | ROBINSON | | | KMCI | KANSAS CITY | MO (US) |

QUALITY 3 CHECKED

| | | | | |
|---|---|---|---|---|
| STAR | ROBINSON | KMKC | KANSAS CITY | MO (US) |
| STAR | ROBINSON | KSTJ | ST JOSEPH | MO (US) |
| STAR | MARWI | KOFF | OMAHA | NE (US) |
| STAR | MARWI | KOMA | OMAHA | NE (US) |

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 12 **DATE OF REVISION:** 04/08/2010

**REASON FOR REVISION:**
ADDED 265 KNOT OBSTACLE TO HOLD PAT 1; UPDATED 230 KNOT CONTROLLING OBSTACLE IDENTIFICATION.
ADDED PRECIPITOUS TERRAIN EVAL NOTE.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 10/30/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (DAN POWELL)

**APPROVED BY:** **DATE:** 01/20/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:** MCI APP CON
**OTHER:**

QUALITY 3 CHECKED

# TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **KANSAS CITY** STATE: **MO**

AIRPORT NAME: **KANSAS CITY INTL** ID: **KMCI**

PROCEDURE: **ILS OR LOC RWY 19R** AMDT: **11**

DOCKET # :
(96-AXX-X/Required/Not Required)

**ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.**

1. Distance from **THLD** to 1000' point **3.04**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **0.88**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **192.93**
4. High Terrain in **FINAL** segment containing 1000' point **979**
5. Distance from **THLD** to 1500' point **4.72**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.24**
7. True Course of **FINAL** segment containing 1500' point **192.93**
8. High Terrain in **FINAL** segment containing 1500' point **979**
9. Threshold Coordinates (if straight-in) ... **391920.05N** / **0944314.79W**
10. ARP Coordinates ..... **391751.38N** / **0944250.06W**
11. Runway Approach End and distance furthest from ARP.....RWY **19R**
    Distance **1.51** NM
12. FAF Coordinates ..... **392408.09N** / **0944149.55W**
    (Click to Select)

**REMARKS: Approach/Drawing attached.**

# Federal Aviation Administration

| CONCURRENCES |
|---|
| ROUTING SYMBOL<br>AJV-34<br>SBaker |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL<br>AJV-353<br>JOlson |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL<br>AJV-353<br>LStrout |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL<br>AJV-34<br>JAlfonso |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL |
| INITIALS/SIG |
| DATE |

# Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Larry H. Strout, Manager, Central Products Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change for Kansas City, MO (KMCI)

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

ILS OR LOC RWY 1L, AMDT 15
ILS OR LOC RWY 1R, ILS RWY 1R (CAT II), ILS RWY 1R (CAT III), AMDT 4
ILS OR LOC RWY 9, AMDT 14
ILS OR LOC RWY 19L, AMDT 2
ILS OR LOC RWY 19R, ILS RWY 19R (CAT II), ILS RWY 19R (CAT III), AMDT 11,
ILS OR LOC RWY 27, AMDT 3
RNAV (GPS) Y RWY 1L, AMDT 2
RNAV (GPS) Y RWY 1R, AMDT 2
RNAV (GPS) Y RWY 9, AMDT 2
RNAV (GPS) Y RWY 19L, AMDT 2
RNAV (GPS) Y RWY 19R, AMDT 2
RNAV (GPS) Y RWY 27, AMDT 2
RNAV (RNP) Z RWY 1L, AMDT 1
RNAV (RNP) Z RWY 1R, AMDT 1
RNAV (RNP) Z RWY 9, AMDT 1
RNAV (RNP) Z RWY 19L, AMDT 1
RNAV (RNP) Z RWY 19R, AMDT 1
RNAV (RNP) Z RWY 27, AMDT 1

Estimated Chart Date: 03/07/2013

Please publish these changes in the National Flight Data Digest.

## MISSOURI

| Location | Name | Airport /Facility | Identifier | Assigned Magnetic Variation Value | Epoch Year |
|---|---|---|---|---|---|
| Kansas City | Kansas City Intl | Airport | KMCI / MCI | Old 5° East<br>New 2° East | 2015 |
| Kansas City | | ILS | DOT | Old 5° East<br>New 2° East | 2015 |
| Kansas City | | ILS | DYH | Old 5° East<br>New 2° East | 2015 |
| Kansas City | | ILS<br>(CAT II/III) | PAJ | Old 3° East<br>New 2° East | 2015 |
| Kansas City | | ILS<br>(CAT II/III) | PVL | Old 3° East<br>New 2° East | 2015 |
| Kansas City | | ILS | RNI | Old 5° East<br>New 2° East | 2015 |
| Kansas City | | ILS | UQY | Old 5° East<br>New 2° East | 2015 |

If you have any questions please notify Larry H. Strout, larry.h.strout@faa.gov (405-954-5070).

cc: AJV-3rf
sjb:x7537:8-28-12: (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2013\MV Change Request for Kansas City, MO (KMCI) 8-28-12 Requestor: Don Lanier, Evaluated By: LFortier