US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| HUTWI (IF/IAF) | QIMLA (FB) | 182.66 / 7.02 | 2100 |
| QIMLA (FAF) | YIRBU/1.50 NM TO RW18 (FB) | 182.66 / 3.32 | |
| YIRBU/1.50 NM TO RW18 | RW18 (MAP) (FO) | 182.66 / 1.50 | |
| RW18 (MAP) | 880 MSL | 182.66 | |
| 880 MSL | WOKSO (FO) | | 2600 |

## MISSED APPROACH

LP: RW18
LNAV: RW18

CLIMB TO 2600 DIRECT WOKSO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.66 INBOUND.
CHART FAS OBST: 614 TREE 383218N/0890535W
CHART FAS OBST: 619 TREE 383121N/0890609W
WAAS CHANNEL # 77728
REFERENCE PATH ID: W18A
QIMLA TO RW18:3.00/45
LTP HAE: 127.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N HUTWI, RT, 182.66 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 182.66 FAF: QIMLA DIST FAF TO MAP: 4.82 THLD: 4.82
4. MIN. ALT: HUTWI 2600, QIMLA 2100, YIRBU/1.50 NM TO RW18 1040
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 2W EPOCH YEAR: 2010

## MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LP MDA | 880 | 1 | 361 | 880 | 1 | 361 | 880 | 1 | 361 | 880 | 1 | 361 | | | |
| LNAV MDA | 900 | 1 | 381 | 900 | 1 | 381 | 900 | 1 | 381 | 900 | 1 | 381 | | | |
| CIRCLING | 980 | 1 | 446 | 1000 | 1 | 466 | 1000 | 1 1/2 | 466 | 1180 | 2 | 646 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE SALEM ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 534 THRE: 519 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| CENTRALIA, IL | CENTRALIA MUNI | RNAV | RNAV (GPS) RWY 18, AMDT 1 | AMDT: ORIG-A |
| | | | | DATED 03/10/2011 |

| 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] **ZKC, AMGR** |

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

| DEVELOPED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **BEV L BORDY** | **AJV-353** | **11/27/2011** |

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

CHANGES:

**1. ADDED LP LINE OF MINIMA.**
**2. USBOF AND OLRIW INITIAL SEGMENTS DELETED.**
**3. MUQXY INTERMEDIATE FIX DELETED; REPLACED WITH HUTWI INTERMEDIATE FIX.**
**4. FINAL COURSE CHANGED FROM 182 TO 183.**
**5. THRE USED FOR HAT CALCULATIONS INSTEAD OF TDZE.**
**6. MISSED APPROACH CHANGED FROM "CLIMB TO 2600 DIRECT YEJUL AND HOLD" TO "CLIMB TO 2600 DIRECT WOKSO AND HOLD".**
**7. RIGHT AND LEFT BASE TAA SEGMENTS REPLACED WITH A SINGLE SECTOR.**
**8. STEPDOWN FIX (YIRBU) ADDED.**
**9. ADDED BACK-UP ALTIMETER NOTE.**
**10. INTERMEDIATE SEGMENT CHANGED FROM 5.2 NM TO 7.0 NM.**
**11. FINAL LNAV MDA/HAT CHANGED FROM 1180/660 TO 880/361; CAT C AND D VISIBILITY CHANGED TO 1 MILE.**
**12. CIRCLING MDA/HAA CATS A/B/C CHANGED FROM 1180/646 TO CAT A 980/446 AND CAT B/C TO 1000/466; CAT D MDA HAA CHANGED FROM 1200/666 TO 1180/646.**
**13. CIRCLING CAT C VISIBILITY CHANGED FROM 1 3/4 TO 1 1/2.**
**14. HOLD-IN-LIEU COURSE CHANGED FROM 182 INBOUND TO 183 INBOUND.**
**SEE 8260-10**

REASONS:

**1, 7. PER FPT.**
**2. DUE TO INSUFFICIENT DTA AND PER FPT.**
**3. FIX MOVED MORE THAN 1 NM.**
**4, 14. MAG VAR ROTATION.**
**5, 9. CRITERIA IAW FAAO 8260.19D.**
**6. PER FPT AND TO ALLOW FOR PROCEDURE ENTRY TO OPPOSITE RWY.**
**8. TO OBTAIN LOWER MINIMA.**
**10. TO PROVIDE DTA FOR 90 DEGREE TURNS AT IF.**
**11. DUE TO ADDITION OF STEPDOWN FIX, AND NEW CONTROLLING OBSTRUCTIONS.**
**12. PRIOR PUBLISHED MINIMA WAS DRIVEN BY A HIGHER STRAIGHT-IN MDA, AND CRITERIA IAW FAAO 8260.3 CHG 20.13.**
**13. CRITERIA IAW FAAO 8260.3 CHG 20.**
**15. TO ALLOW FOR PROCEDURE ENTRY TO RNAV (GPS) RWY 36.**

**PDF EDIT:**
**ADDED (FAF) TO TERMINAL ROUTE QIMLA.**
**DELETED ADDITIONAL RW18 FROM 8260-3.**
**DELETED SDF ALTITUDE FROM TERMINAL ROUTES AND CHANGED MISSED APPROACH ALTITUDE TO 2600.**
**DELETED 020 FROM HOLDING SEGMENT ON 8260-10.**
**DELETED RNP 2.0 FROM HOLDING LEG ON FLIGHT INSPECTION SUMMARY.**
**DELETED GS ANGLE AND TCH FROM 8260-3 AND FROM BACK OF 8260-9.**

QUALITY 9 CHECKED

NOTES, (CONT.):
ALL MDA 40 FEET, INCREASE LP CAT C/D VISIBILITY 1/8 MILE, LNAV CAT C/D VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

TAA

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 093/30 CW 273/30 (NOPT) | HUTWI (IF/IAF) (FB) | 2600 |
| 2. | 273/30 CW 093/30 | HUTWI (IF/IAF) (FO) | 2600 |

QUALITY 1 CHECKED

| 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.**

**15. MISSED APPROACH HOLDING ADDED AT NEW MISSED APPROACH POINT (WOKSO).**

REASONS:

QUALITY CHECKED

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## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KENL |
| RUNWAY | RW18 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W18A |
| LTP/FTP LATITUDE | 383118.2355N |
| LTP/FTP LONGITUDE | 0890529.7525W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01277 |
| FPAP LATITUDE | 382949.0500N |
| FPAP LONGITUDE | 0890531.0600W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00045.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1224 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 0.0 |
| CRC REMAINDER | 626D7539 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K5 |
| LTP ORTHOMETRIC HEIGHT | +01583 |
| FPAP ORTHOMETRIC HEIGHT | +01583 |

QUALITY CHECKED

| CITY AND STATE | | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | |
|---|---|---|---|---|
| CENTRALIA, IL | ELEVATION: 534 THRE: 519<br>AIRPORT NAME: CENTRALIA MUNI | RNAV | RNAV (GPS) RWY 18, AMDT 1 | SUP:<br>AMDT: ORIG-A<br>DATED: 03/10/2011 |

| 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:

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.

ARINC PACKET - 424-8 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   HUTWI K50    W     N38430931W089051929                    W0019     NAR           HUTWI
         SUSAEAENRT   QIMLA K50    W     N38360785W089052550                    W0019     NAR           QIMLA
         SUSAEAENRT   WOKSO K50    W     N38184012W089054083                    W0019     NAR           WOKSO
         SUSAEAENRT   YIRBU K50    W     N38324833W089052843                    W0019     NAR           YIRBU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KENLK5AENL     0     050YHN38305430W089052810W002000534         1800018000C    MNAR    CENTRALIA MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KENLK5FR18   AHUTWI 010HUTWIK5EA0EE AR   HF                    18270040    + 02600     18000                A JS
         SUSAP KENLK5FR18   R      010HUTWIK5EA0E  I    IF                                + 02600     18000                A JS
         SUSAP KENLK5FR18   R      020QIMLAK5EA1E  F 051TF                    18270070    + 02100                          A JS
         SUSAP KENLK5FR18   R      020QIMLAK5EA2WALP        N          ALNAV                                                 JS
         SUSAP KENLK5FR18   R      021YIRBUK5EA0E S  031TF                    18270033    V 0104001042        -300         A JS
         SUSAP KENLK5FR18   R      030RW18 K5PG0GY M 031TF                    18270015      00564             -300         A JS
         SUSAP KENLK5FR18   R      040         0  M     CA                    1827        + 00880                          A JS
         SUSAP KENLK5FR18   R      050WOKSOK5EA0EY      DF                              + 02600                          A JS
         SUSAP KENLK5FR18   R      060WOKSOK5EA0EE  R   HM                    00270040    + 02600                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KENLK5GRW18    0050011827 N38311824W089052975+0300    +012770051900004507 5R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KENLK5PR18   RW18 001 0000W18A0N3831182355W08905297525+012770300N3829490500W089053106001067512240004 50F400000626D7539
         SUSAP KENLK5PR18   RW18 002E      +01583+01583LP        77728
```

4

| CITY AND STATE | ELEVATION: 534 THRE: 519 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CENTRALIA, IL** | AIRPORT NAME: **CENTRALIA MUNI** | **RNAV** | **RNAV (GPS) RWY 18, AMDT 1** | AMDT: **ORIG-A** |
| | | | | DATED: **03/10/2011** |

| 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**

# RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-8 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | HUTWI | HUTWI | 010 | IAF | HF | R | FO | | 182.7(180.7T) | 004.0 | AA 02600 | |
| | | HUTWI | 010 | FACF | IF | | FB | | | | AA 02600 | |
| | | QIMLA | 020 | FAF | TF | | FB | 0.5 | 182.7(180.7T) | 007.0 | AA 02100 | |
| | | YIRBU | 021 | SDF | TF | | FB | 0.3 | 182.7(180.7T) | 003.3 | AA 01040 GS 01042 | |
| | | RW18 | 030 | MAP | TF | | FO | 0.3 | 182.7(180.7T) | 001.5 | AT 00564 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 182.7(180.7T) | | AA 00880 | |
| | WOKSO | 050 | | DF | | FO | | | | AA 02600 | |
| | WOKSO | 060 | | HM | R | FO | | 002.7(000.7T) | 004.0 | AA 02600 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | HUTWI | N384309.31 | W0890519.29 | N3843.155 | W08905.322 |
| | QIMLA | N383607.85 | W0890525.50 | N3836.131 | W08905.425 |
| | WOKSO | N381840.12 | W0890540.83 | N3818.669 | W08905.681 |
| | YIRBU | N383248.33 | W0890528.43 | N3832.806 | W08905.474 |
| | RW18 | N383118.24 | W0890529.75 | N3831.304 | W08905.496 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW18 | 00519 | 45 |

QUALITY 4 CHECKED

| CITY AND STATE | ELEVATION: **534** THRE: **519** | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **CENTRALIA, IL** | AIRPORT NAME: **CENTRALIA MUNI** | **RNAV** | **RNAV (GPS) RWY 18, AMDT 1** | AMDT: **ORIG-A** |
| | | | | DATED: **03/10/2011** |

| 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. |
|---|---|---|---|---|---|---|---|---|
| STRAIGHT-IN AREA | 093/30 CW 273/30 | HUTWI | 1. TOWER (17-002246) | 385354.96N/0885950.91W | 1241 (2C) | 1000 | AT359 | 2600 |
| | | | 2. TERRAIN | 391033.00N/0891554.00W | 745 (700) | | AS1500 | 2200 |
| STRAIGHT-IN AREA | 273/30 CW 093/30 | HUTWI | 3. TOWER (17-001372) | 383239.00N/0885526.00W | 1550 (2C) | 1000 | | 2600 |
| | | | 4. TERRAIN | 384533.00N/0885045.00W | 650 (700) | | AS1500 | 2200 |
| INTERMEDIATE | HUTWI (IF/IAF) | QIMLA | 5. TOWER (17-021357) | 383948.50N/0890622.20W | 778 (5D) | 500 | | 1300 |
| | | | 6. TERRAIN | 383925.67N/0890254.90W | 554 (600) | | AS1500 | 2100 |
| FINAL: LP | QIMLA | YIRBU/1.50 NM TO RW18 | 7. AAO | 383608.04N/0890440.01W | 714 (2C) | 250 | RA28 XP40 | 1040 |
| FINAL: LP STEPDOWN | YIRBU/1.50 NM TO RW18 | RW18 | 8. TREE | 383217.87N/0890535.03W | 614 (2C) | 250 | | 880 |
| FINAL: LNAV | QIMLA | YIRBU/1.50 NM TO RW18 | 9. AAO | 383624.92N/0890419.43W | 719 (2C) | 250 | RA28 XP40 | 1040 |
| FINAL: LNAV STEPDOWN | YIRBU/1.50 NM TO RW18 | RW18 | 10. TREE | 383120.62N/0890609.29W | 619 (2C) | 250 | AT20 | 900 |
| 2. HOLD-IN-LIEU-OF-PT | HUTWI | P-5 | 11. TOWER (17-020654) | 384524.85N/0890608.92W | 851 (5D) | 1000 | AT749 | 2600 |
| | | | 12. TERRAIN | 385112.00N/0890157.00W | 568 (600) | | AS1500 | 2100 |
| 3. MISSED APPROACH MAP: | RW18 / RW18 | WOKSO | | | | ASC | | 2600 |
| | | | 13. TOWER (17-002823) | 382407.00N/0890808.00W | 1035(2C) | 1000 | | 2100 |
| ELEV: | 780/800 | | 14. TERRAIN | 382824.00N/0890427.00W | 634(600) | | AS1500 | 2100 |
| 15. TREE | | | | 382923.58N/0890449.60W | 669 (2C) | 300 | | 980 |
| 16. TREE | | | | 382900.48N/0890512.58W | 679 (2C) | 300 | HAA | 1000 |
| 17. TREE | | | | 382847.54N/0890518.75W | 699 (2C) | 300 | | 1000 |
| 18. TOWER (17-000615) | | | | 383146.81N/0890805.62W | 830 (5D) | 300 | AC50 | 1180 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL |
|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 446 |
| CATEGORY B | 1.5 NM | 450 | 466 |
| CATEGORY C | 1.7 NM | 450 | 466 |
| CATEGORY D | 2.3 NM | 550 | 646 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 534 / AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| CENTRALIA, IL | CENTRALIA MUNI | RNAV | RNAV (GPS) RWY 18, AMDT 1 | AGL |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | 3. ALTIMETER SETTING |
|---|---|---|
| STL FSS<br>ZKC ARTCC<br><br>SATISFACTORY ON: | N W S / F A A / A / C — OTHER: AWOS-3 | SOURCE: KENL / KSLO<br>DISTANCE: 0 / 9.71<br>HOURS REMOTE OPERATION: 24 / 24 |
| X V H F  X U H F  H F | LOCATION: KENL | ADJUSTMENT: 0 / 27.84 |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: CAT 1 | |
| | HRS OPTN: CAT 3 | |
| 5. APPROACH & RUNWAY LIGHTING | | ALS |
| | | (S) SALS |
| | | MALS |
| | | HIRL |
| | X | MIRL 27, 18, 36, 09 |
| | X | REIL 27, 18, 36, 09 |
| | | TDZ |
| | | C/LINE |
| | X | OTHER (SPECIFY)<br>VASI-2L 18, 36 |
| 6. RUNWAY MARKINGS | BASIC BSC-G 27, 09 | |
| | ALL WEATHER | |
| | INSTRUMENT NPI-F 18, 36 | |
| 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 | X RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | X ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS: NONE

| | |
|---|---|
| PART D - PREPARED BY: BEV L BORDY | DATE: 11/27/2011 |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | OFFICE: AJV-353 |

## PART C - REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE VDP SURFACE.

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/25.

RASS PRESSURE PATTERNS SAME
KENL 534.1, KSLO 573.4
RA = 27.84.
SEE ATTACHED AIRSPACE LETTER.

LPV AND LNAV/VNAV MINIMA NOT ESTABLISHED; GQS PENETRATIONS EXIST.

VEGETATION HEIGHT OF 100 FEET USED PER FPT.

NIGHT RESTRICTION DUE TO VISUAL SURFACE PENETRATIONS.

TERPS, VOLUME 1, CHAPTER 3, "VISUAL SURFACE OF FINAL" PENETRATIONS. FPT NOTIFIED.
20:1
595 TREE (KENLT0010) 383133.90N / 0890536.06W (6.81)
583 TREE (KENLT0021) 383131.55N / 0890524.82W (6.18)
591 TREE (KENLT0019) 383133.60N / 0890526.66W (3.90)
552 BLDG (17-003660) 383126.22N / 0890535.58W (2.62)

RW36:
545 TREE (KENLT0144) 383025.69N / 0890533.12W (5.00)

34:1
595 TREE (KENLT0026) 383135.99N / 0890529.28W (28.78)
604 TREE (KENLT0029) 383139.32N / 0890527.15W (27.82)
603 TREE (KENLT0042) 383139.48N / 0890524.94W (26.28)
584 TREE (KENLT 0020) 383133.16N / 0890525.45W (26.09)
584 TREE (KENLT0003) 383134.37N / 0890529.45W (22.60)

OTHER 34:1 PENETRATIONS EXIST / TOO NUMEROUS TO LIST.

KENL/KSLO AWOS ON SERVICE A.

XP: FOR STABILIZED DESCENT

QUALITY 9 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HUTWI **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 384309.31N/0890519.29W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

**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 | | WP | 002.66 | 182.66 | R | | 4 | 2600 | 10000 | 5 | 7 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (17-020654) | 384524.85N/0890608.92W | 851 | 5D |

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

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 18 | | 1 | KENL | CENTRALIA | IL (US) |
| IAP | RNAV (GPS) RWY 36 | | 1 | KENL | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 05/31/2012

**DEVELOPED BY:** **DATE:** 11/30/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:**
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** QIMLA **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 383607.85N/0890525.50W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** CANCEL

**REMARKS:**
PFAF DETERMINED IAW FAAO 8260.54A FORMULA 2-16B.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 18 | | | KENL | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**
FIX MOVED 279.24 FEET NORTHBOUND; COORDINATES UPDATED.
DELETED FAC 1.
DELETED HOLDING PAT 1.
FIX USE UPDATED.
REMOVED REMARK HOLDING LIMITED TO ESTABLISHED PATTERN.

**DEVELOPED BY:** **DATE:** 11/29/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:**
**OTHER:**

QUALITY 9 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WOKSO **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 381840.12N/0890540.83W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

**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 | S | | WP | 182.66 | 002.66 | R | | 4 | 2600 | 6000 | 5 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (17-000833) | 380955.00N/0890206.00W | 880 | 5E |

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

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 18 | | 1 | KENL | CENTRALIA | IL (US) |
| IAP | RNAV (GPS) RWY 36 | | 1 | KENL | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 05/31/2012

**DEVELOPED BY:** **DATE:** 11/30/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:**
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** YIRBU **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 383248.33N/0890528.43W **TYPE:** WP

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 18 | | | KENL | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 05/31/2012

**DEVELOPED BY:** **DATE:** 11/15/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:**
**OTHER:**

QUALITY CHECKED

# TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **CENTRALIA** STATE: **IL**

AIRPORT NAME: **CENTRALIA MUNI** ID: **KENL**

PROCEDURE: **RNAV (GPS) RWY 18** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(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 (Enter THLD, FAF, ARP, FACILITY, as appropriate) | **THLD** | to 1000' point | **2.82** |
| 2. Width of (Enter appropriate segment, final, intermediate, etc.) | **FINAL** | segment at 1000' point | **1.20** |
| 3. True Course of | **FINAL** | segment containing 1000' point | **180.66** |
| 4. High Terrain in | **FINAL** | segment containing 1000' point | **518** |
| 5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks) | **THLD** | to 1500' point | **4.62** |
| 6. Width of | **FINAL** | segment at 1500' point | **1.95** |
| 7. True Course of | **FINAL** | segment containing 1500' point | **180.66** |
| 8. High Terrain in | **FINAL** | segment containing 1500' point | **518** |

9. Threshold Coordinates (if straight-in) ... **383118.24N** / **0890529.75W**

10. ARP Coordinates ..... **383054.30N** / **0890528.10W**

11. Runway Approach End and distance furthest from ARP ..... RWY **36**

Distance **0.43** NM

12. FAF Coordinates ..... **383607.85N** / **0890525.50W**

**REMARKS: Approach/Drawing attached.**

**HUTWI (IF/IAF) 384309.31N/0890519.29W**

# Federal Aviation Administration

# Memorandum

Date:

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

From: Larry H. Strout, Manager, Terminal Procedures & Charting Services Central Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change

| CONCURRENCES |
|---|
| ROUTING SYMBOL<br>AJV-34<br>SBaker |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL<br>AJV-354<br>Lead |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL<br>AJV-353<br>LStrout |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL<br>AJV-34<br>WTerrell |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL |
| INITIALS/SIG |
| DATE |
| ROUTING SYMBOL |
| INITIALS/SIG |
| DATE |

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.

RNAV (GPS) RWY 18 AMDT 1
RNAV (GPS) RWY 36, AMDT 1

Estimated Chart Date: 5/31/2012

Please publish these changes in the National Flight Data Digest.

**ILLINOIS**

| Location | Name | Airport /Facility | Identifier | Assigned Magnetic Variation Value | Epoch Year |
|---|---|---|---|---|---|
| Centralia | Centralia Muni | Airport | KENL / ENL | Old 01 ° West New 02 ° West | 2010 |

If you have any questions please notify Larry H. Strout (405-954-5070).

cc: FTW-FPT, AJV-3rf
AJV-353: LStrout:sjb:x7537: 11/21/2011: (U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2010\Document Name)
Requested by Bevely Bordy, AJW-3253; Data Specialist, Cheryl A Pavelko

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** MUQXY **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 384118.83N/0890520.92W **TYPE:** WP

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

CANCEL

**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 | KENL R18 | | | | | 000.66 | 10.00 | | | | 17500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** CANCEL

**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 | | WP | 001.66 | 181.66 | R | | 4 | 2600 | 10000 | 5 | 7 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (14-1259) | 383644.00N/0890636.00W | 773 | 5D |

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | CENTRALIA MUNI - RNAV (GPS) RWY 18 | | | KENL | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/09/2001

**DEVELOPED BY:** **DATE:** **OFFICE:** **NAME:**

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:**
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** OLRIW **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 384115.19N/0885857.80W **TYPE:** WP

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

CANCEL

**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 | MUQXY | | | | | 090.66 | 5.00 | | | | 17500 |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 18. | | | KENL | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/09/2001

**DEVELOPED BY:** **DATE:** **OFFICE:** **NAME:**

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZLA, ZKC
**ATC FACILITY:**
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** USBOF **STATE:** IL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 384122.11N/0891144.05W **TYPE:** WP

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

CANCEL

**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 | MUQXY | | | | | 270.66 | 5.00 | | | | 17500 |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 18. | | | | CENTRALIA | IL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/09/2001

**DEVELOPED BY:** **DATE:** **OFFICE:** **NAME:**

**APPROVED BY:** **DATE:** 03/09/2001 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZKC
**ATC FACILITY:**
**OTHER:**

QUALITY 9 CHECKED