

| | | | | | | | | | | | | | | | |
|---|--------|--------------------------|---------|--|-----|--|--------|--|---------|------------------|-----|---------|--------|-----|---------|
| 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 | | | | | | | | MISSED APPROACH | | | | | | | |
| FROM | | TO | | COURSE AND DISTANCE | | ALTITUDE | | LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 2400 DIRECT ANUKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 021.59 INBOUND. FAS OBST: 619 AAO 374915N/0885851W DISTANCE TO THLD FROM 200 HATH: 0.47 NM. CHART VDP AT 1.15 MILES TO RW20* *LNAV ONLY. WAAS CHANNEL # 57904 REFERENCE PATH ID: W20A LTP HAE: 112.7 M | | | | | | | |
| MWA VOR/DME | | YOSUP (FO) | | 021.00 / 12.54 | | 2400 | | | | | | | | | |
| AYAZE (IAF) | | YOSUP (NOPT) (FB) | | 150.61 / 20.93 | | 2400 | | | | | | | | | |
| DAHLL (IAF) | | YOSUP (NOPT) (FB) | | 228.12 / 23.44 | | 2400 | | | | | | | | | |
| TEXAS (IAF) | | YOSUP (NOPT) (FB) | | 291.48 / 19.71 | | 2400 | | | | | | | | | |
| YOSUP (IF/IAF) | | VANNU (FB) | | 201.72 / 7.00 | | 2000 | | | | | | | | | |
| VANNU (FAF) | | RW20 (MAP) (FO) | | 201.68 / 4.66 | | | | | | | | | | | |
| RW20 (MAP) | | 665 MSL | | 201.68 | | | | | | | | | | | |
| 665 MSL | | ANUKE (FO) | | | | 2400 | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N YOSUP, RT, 201.72 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: 201.68 FAF: VANNU DIST FAF TO MAP: <u>4.66</u> THLD: <u>4.66</u> 4. MIN. ALT: YOSUP 2400, VANNU 2000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: VANNU 2400 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.6</u> 34:1 IS CLEAR 8. MSA FROM: RW20 2700 | | | | | | | | MAG VAR: 1E EPOCH YEAR: 1985 | | | | | | | |
| 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 |
| LPV DA | 665 | 1/2 | 200 | 665 | 1/2 | 200 | 665 | 1/2 | 200 | 665 | 1/2 | 200 | | | |
| LNAV/VNAV DA | 770 | 1/2 | 305 | 770 | 1/2 | 305 | 770 | 1/2 | 305 | 770 | 1/2 | 305 | | | |
| LNAV MDA | 880 | 1/2 | 415 | 880 | 1/2 | 415 | 880 | 3/4 | 415 | 880 | 3/4 | 415 | | | |
| CIRCLING | 920 | 1 | 448 | 940 | 1 | 468 | 940 | 1 1/2 | 468 | 1040 | 2 | 568 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: WHEN VGSi INOP, CIRCLING RWY 11 NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARBONDALE/MURPHYSBORO ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY (SEE FORM 8260-10) | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 472 THRE: 465 | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | | | |
| MARION, IL | | AIRPORT NAME: | | | | RNAV (GPS) RWY 20, AMDT 1 | | | | AMDT: ORIG-B | | | | | |
| | | WILLIAMSON COUNTY RGNL | | | | 15 NOVEMBER 2012 | | | | DATED 05/03/2012 | | | | | |

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

1/8 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MWA VOR/DME ON V429 SOUTHBOUND AND FOR ARRIVALS AT DAHLL ON V4 EASTBOUND.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CARBONDALE/MURPHYSBORO ALTIMETER SETTING.

CITY AND STATE

MARION, IL

ELEVATION: 472

THRE: 465

AIRPORT NAME:

WILLIAMSON COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 1

15 NOVEMBER 2012

SUP:

AMDT: ORIG-B

DATED: 05/03/2012

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KMWA |
| RUNWAY | RW20 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W20A |
| LTP/FTP LATITUDE | 374607.2875N |
| LTP/FTP LONGITUDE | 0890026.4670W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01127 |
| FPAP LATITUDE | 374444.9700N |
| FPAP LONGITUDE | 0890109.7500W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00049.6 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0312 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |

CRC REMAINDER

77D4234E

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K5 |
| LTP ORTHOMETRIC HEIGHT | +01418 |
| FPAP ORTHOMETRIC HEIGHT | +01418 |

CITY AND STATE

MARION, IL

ELEVATION: 472

THRE: 465

AIRPORT NAME:

WILLIAMSON COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 1

15 NOVEMBER 2012

SUP:

AMDT: ORIG-B

DATED: 05/03/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | |
|---------|------------|--------|--------------------|----|-------|------------|----------|---|-------|-------|------|-------|----|----|
| SUSAP | KMWAK5FR20 | AAYAZE | 010AYAZEK5EA0E | A | IF | | | | | 18000 | | A | JS | |
| SUSAP | KMWAK5FR20 | AAYAZE | 020YOSUPK5EA0EE | B | 010TF | | 15060209 | + | 02400 | | | A | JS | |
| SUSAP | KMWAK5FR20 | ADAHLL | 010DAHLLK5EA0E | A | IF | | | | | 18000 | | A | JS | |
| SUSAP | KMWAK5FR20 | ADAHLL | 020YOSUPK5EA0EE | B | 010TF | | 22810234 | + | 02400 | | | A | JS | |
| SUSAP | KMWAK5FR20 | AMWA | 010MWA K5D OV | | IF | | | | | 18000 | | A | JS | |
| SUSAP | KMWAK5FR20 | AMWA | 020YOSUPK5EA0EY | | 020TF | | 02100125 | + | 02400 | | | A | JS | |
| SUSAP | KMWAK5FR20 | AMWA | 030YOSUPK5EA0EE | AR | HF | | 20170040 | + | 02400 | | | A | JS | |
| SUSAP | KMWAK5FR20 | ATEXAS | 010TEXASK5EA0E | A | IF | | | | | 18000 | | A | JS | |
| SUSAP | KMWAK5FR20 | ATEXAS | 020YOSUPK5EA0EE | B | 010TF | | 29150197 | + | 02400 | | | A | JS | |
| SUSAP | KMWAK5FR20 | R | 010YOSUPK5EA0E | I | IF | | | | | 18000 | | A | JS | |
| SUSAP | KMWAK5FR20 | R | 020VANNUK5EA1E | F | 051TF | | 20170070 | + | 02000 | | RW20 | K5PGA | JS | |
| SUSAP | KMWAK5FR20 | R | 020VANNUK5EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP | KMWAK5FR20 | R | 030RW20 K5PG0GY | M | 031TF | | 20170047 | | 00515 | | -300 | | A | JS |
| SUSAP | KMWAK5FR20 | R | 040 | | 0 M | CA | 2017 | + | 00665 | | | | A | JS |
| SUSAP | KMWAK5FR20 | R | 050ANUKEK5EA0EY | | DF | | | | 02400 | | | | A | JS |
| SUSAP | KMWAK5FR20 | R | 060ANUKEK5EA0EE | R | HM | | 02160040 | + | 02400 | | | | A | JS |

[illegible]

CITY AND STATE
MARION, IL

| | |
|------------------------|-----------|
| ELEVATION: 472 | THRE: 465 |
| AIRPORT NAME: | |
| WILLIAMSON COUNTY RGNL | |

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 20, AMDT 1
 15 NOVEMBER 2012

| | |
|--------|-------------------|
| SUP: | |
| AMDT: | ORIG-B |
| DATED: | 05/03/2012 |

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[illegible]

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 - 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|--------|------------|-------|-----|------|------|------|-------|-----|----------------|----------|----------|-------|
| | AYAZE | AYAZE | 010 | IAF | IF | | FB | | | | | |
| | AYAZE | YOSUP | 020 | | TF | | FB | 1.0 | 150.6 (151.6T) | 020.9 | AA 02400 | |
| | DAHLL | DAHLL | 010 | IAF | IF | | FB | | | | | |
| | DAHLL | YOSUP | 020 | | TF | | FB | 1.0 | 228.1 (229.1T) | 023.4 | AA 02400 | |
| | MWA | MWA | 010 | | IF | | FB | | | | | |
| | MWA | YOSUP | 020 | | TF | | FO | 2.0 | 021.0 (022.0T) | 012.5 | AA 02400 | |
| | MWA | YOSUP | 030 | IAF | HF | R | FO | | 201.7 (202.7T) | 004.0 | AA 02400 | |
| | TEXAS | TEXAS | 010 | IAF | IF | | FB | | | | | |
| | TEXAS | YOSUP | 020 | | TF | | FB | 1.0 | 291.5 (292.5T) | 019.7 | AA 02400 | |
| | | YOSUP | 010 | FACF | IF | | FB | | | | AA 02400 | |
| | | VANNU | 020 | FAF | TF | | FB | 0.5 | 201.7 (202.7T) | 007.0 | AA 02000 | |
| | | RW20 | 030 | MAP | TF | | FO | 0.3 | 201.7 (202.7T) | 004.7 | AT 00515 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|-----------------|-------|-----|-----|------|------|-------|-----|----------------|----------|----------|-------|
| | | 040 | | CA | | FB | | 201.7 (202.7T) | | AA 00665 | |
| | ANUKE | 050 | | DF | | FO | | | | AA 02400 | |
| | ANUKE | 060 | | HM | R | FO | | 021.6 (022.6T) | 004.0 | AA 02400 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|------------|----------|-------------|--------------|-------------|--------------|
| | MWA | N374515.32 | W0890042.00 | N3745.255 | W08900.700 |
| | ANUKE | N373254.88 | W0890721.80 | N3732.915 | W08907.363 |
| | AYAZE | N381520.50 | W0890720.58 | N3815.342 | W08907.343 |
| | DAHLL | N381217.08 | W0883221.48 | N3812.285 | W08832.358 |
| | TEXAS | N374923.37 | W0883144.48 | N3749.390 | W08831.741 |
| | VANNU | N375025.78 | W0885810.38 | N3750.430 | W08858.173 |
| | YOSUP | N375653.69 | W0885445.64 | N3756.895 | W08854.761 |
| | RW20 | N374607.29 | W0890026.47 | N3746.122 | W08900.441 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|-------------|------|------------------------|-----|
| | RW20 | 00465 | 50 |

CITY AND STATE
MARION, IL

ELEVATION: 472 THRE: 465
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