

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

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

|  |  |   |  |                                  |
|--|--|---|--|----------------------------------|
| <b><u>AIRPORT ID</u></b><br>UES        | <b><u>PROCEDURE NAME</u></b><br>RNAV (GPS) RWY 28  | <b><u>ORIGINAL/AMENDMENT</u></b><br>1A        | <b><u>CITY</u></b><br>WAUKESHA                   | <b><u>STATE</u></b><br>WI        |
| <b><u>AIRPORT ELEVATION</u></b><br>912 | <b><u>TDZE</u></b><br>906                          | <b><u>SUPERSEDED</u></b><br>RNAV (GPS) RWY 28 | <b><u>DATED</u></b><br>02/20/2025                | <b><u>MAG VAR</u></b><br>1W      |
| <b><u>FACILITY</u></b><br>RNAV         | <b><u>COORDINATES OF FACILITIES</u></b>            |   | <b><u>REQUIRED EFFECTIVE DATE</u></b><br>ROUTINE | <b><u>EPOCH YEAR</u></b><br>1990 |
|  | <b><u>ACTUAL EFFECTIVE DATE</u></b><br>15 MAY 2025 |   | <b><u>CANCEL/SUSPEND</u></b>                     |                                  |

**TERMINAL ROUTES**

| <u>FROM</u>           | <u>FIX TYPE</u> | <u>TO</u>             | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| HOANN                 |                 | WIGBA                 |                 | TF              | FB           | 1.00       | 079.92        | 6.80            | 3000            |
| WIGBA                 | IAF             | WIDNO                 |                 | TF              | FB           | 1.00       | 170.03        | 6.50            | 3000            |
| WIDNO                 | IF              | WERBI                 |                 | TF              | FB           | 1.00       | 260.05        | 6.55            | 3000            |
| WERBI                 | FAF             | VOVVU/1.64 NM TO RW28 |                 | TF              | FB           | 0.30       | 283.05        | 3.88            |                 |
| VOVVU/1.64 NM TO RW28 |                 | RW28                  | MAP             | TF              | FO           | 0.30       | 283.05        | 1.64            |                 |
| RW28                  | MAP             | 1312 MSL              |                 | CA              |              |            | 283.05        |                 |                 |
| 1312 MSL              |                 | HAWKN                 |                 | DF              | FO           | 1.00       |               |                 | 3000            |

**MISSED APPROACH**

**MAP:**

LNAV: RW28

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 3000 DIRECT HAWKN AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF** (IAF)
2. PROFILE STARTS AT WIDNO
3. **FAC:** 283.05                      **FAF:** WERBI                      **DIST FAF TO MAP:** 5.53                      **DIST FAF TO THLD:** 5.53
4. **MIN ALT:** WIDNO 3000, WERBI 3000, VOVVU/1.64 NM TO RW28 1560
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:**
6. **MIN GP INCPT:**                      **GP ALT AT FAF:**                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:**                      **34:1:** IS NOT CLEAR                      **20:1:** IS NOT CLEAR                      **TCH:**
8. **MSA FROM:** RW28 2900



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)).  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MWC ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD N, RT, 183.55 INBOUND.  
 CHART FAS OBST: 1238 TOWER (55-000809) 430130N/0881124W.  
 WERBI TO RW28: 3.49/45.

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

| <u>CATEGORY:</u>  | <u>A</u>      |            |                | <u>B</u>      |            |                | <u>C</u>      |            |                | <u>D</u>      |            |                | <u>E</u>      |            |                |
|-------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|
| <u>FINAL TYPE</u> | <u>DA/MDA</u> | <u>VIS</u> | <u>HAT/HAA</u> | <u>DA/MDA</u> | <u>VIS</u> | <u>HAT/HAA</u> | <u>DA/MDA</u> | <u>VIS</u> | <u>HAT/HAA</u> | <u>DA/MDA</u> | <u>VIS</u> | <u>HAT/HAA</u> | <u>DA/MDA</u> | <u>VIS</u> | <u>HAT/HAA</u> |
| LNAV MDA          | 1500          | 1          | 594            | 1500          | 1          | 594            | 1500          | 1 3/4      | 594            | 1500          | 1 3/4      | 594            |               |            |                |
| CIRCLING          | 1500          | 1          | 588            | 1500          | 1          | 588            | 1540          | 1 3/4      | 628            | 1640          | 2 1/4      | 728            |               |            |                |

**CHANGES - REASONS**

1. TERMINAL ROUTES, FINAL SEGMENT STEPDOWN FIX IN THE "FROM" COLUMN, UPDATED FORMAT FROM "VOVVU/1.64 NM RW28" TO "VOVVU/1.64 NM TO RW28". – DOCUMENTED IAW FAO 8260.19J PARA 8-2-6.G.
2. TERMINAL ROUTES, LOWERED MISSED APPROACH CLIMB-TO SEGMENT FROM 1400 MSL TO 1312 MSL, AND DELETED SEGMENT ALTITUDE 1400. – BASE MDA IS MORE THAN 400 FT ABOVE AIRPORT ELEVATION. CODED CA-LEG ALTITUDE IS AIRPORT ELEVATION + 400 FT DUE TO BASED MDA BEING MORE THAN 400 FT ABOVE AIRPORT ELEVATION, AND CHARTING IN MISSED APPROACH INSTRUCTIONS NOT REQUIRED IAW FAO 8260.58C PARA 3-5-2, AND CA-DF FLOW CHART IN AJV-A MEMO #288 DATED 08/09/2023, SUBJECT: IMPLEMENTATION OF FAA ORDER 8260-58C – UNITES STATES STANDARD FOR PERFORMANCE BASED NAVIGATION (PBN) INSTRUMENT PROCEDURE DESIGN, DATED SEPTEMBER 15, 2022.
3. MISSED APPROACH INSTRUCTIONS, DELETED "CLIMB TO 1400 THEN". – THIS IS LOWER THAN THE LOWEST MDA AND CHARTED CLIMB-TO NOT REQUIRED DUE TO BASE MDA GREATER THAN 400 FT ABOVE AIRPORT ELEVATION IAW FAO 8260.58C PARA 3-5-2, AND CA-DF FLOW CHART IN AJV-A MEMO #288 DATED 08/09/2023, SUBJECT: IMPLEMENTATION OF FAA ORDER 8260-58C – UNITES STATES STANDARD FOR PERFORMANCE BASED NAVIGATION (PBN) INSTRUMENT PROCEDURE DESIGN, DATED SEPTEMBER 15, 2022.
4. NOTES, DELETED CHART NOTE PROCEDURE NA AT NIGHT. – RWY 28 20:1 TREE PENETRATIONS DEMOLISHED AND NAVAID PENETRATIONS ARE ALL LIGHTED AS VERIFIED IN THE RUNWAY AIRSPACE MANAGEMENT (RAM) TOOL; LNAV AND CIRCLING RWY 28 MINIMUMS AUTHORIZED AT NIGHT IAW 8260.3F PARA 3-3-2.C.(4)(B).
5. NOTES, UPDATED LOCAL ALTIMETER SETTING VERBIAGE FROM "INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM" TO "INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM". – DOCUMENTED IAW FAO 8260.19J PARA 8-6-12.N.(1)(A)3.



**AIRPORT ID**  
UES

**PROCEDURE NAME**  
RNAV (GPS) RWY 28

**ORIGINAL/AMENDMENT**  
1A

**CITY**  
WAUKESHA

**STATE**  
WI

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** ZAU ARTCC, MKE APP CON, UES ATCT, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE**

**DATE**

*Digitally signed by*  
**ROBERT G HAMILTON**

Mar 28, 2025

**OFFICE**  
AJV-A431

**DATE**  
02/27/2025

**DEVELOPED BY**

MICHAEL MCCARTNEY

*Digitally signed by*  
**MICHAEL A MCCARTNEY**  
Feb 27, 2025

**OFFICE**  
AJV-A431

**DATE**

**TITLE**  
MANAGER

**APPROVED BY**

ERIC N SUSKI

*Digitally signed by*  
**ROBERT G HAMILTON**  
Mar 28, 2025

