

**FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.33**

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

|                                 |  |  |   |                            |                      |                           |
|---------------------------------|--|--|---|----------------------------|----------------------|---------------------------|
| <u>AIRPORT ID</u><br>KRQB       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 27 | <u>ORIGINAL/AMENDMENT</u><br>ORIG-A              | <u>CITY</u><br>BIG RAPIDS                 | <u>STATE</u><br>MI         |                      |                           |
| <u>AIRPORT ELEVATION</u><br>990 | <u>TDZE</u><br>976                         | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 27           | <u>ORIGINAL/AMENDMENT</u><br>ORIG         | <u>DATED</u><br>01/08/2015 | <u>MAG VAR</u><br>5W | <u>EPOCH YEAR</u><br>2000 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u><br>8 SEPTEMBER 2022 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      |                      |                           |

**TERMINAL ROUTES**

| FROM                  | FIX TYPE | TO                    | FIX TYPE | LEG TYPE | FO/FB | RNP  | COURSE | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|----------|----------|
| MOP VOR/DME           | IAF      | IDANY                 | NOPT     | TF       | FB    | 1.00 | 291.00 | 22.05    | 3100     |
| IDANY                 | IF/IAF   | MEKDY                 |          | TF       | FB    | 1.00 | 275.49 | 6.93     | 2600     |
| MEKDY                 | FAF      | VIVUY/2.50 NM TO RW27 |          | TF       | FB    | 0.30 | 275.38 | 2.57     |          |
| VIVUY/2.50 NM TO RW27 |          | RW27                  | MAP      | TF       | FO    | 0.30 | 275.38 | 2.50     |          |
| RW27                  | MAP      | 1176 MSL              |          | CA       |       |      | 275.38 |          |          |
| 1176 MSL              |          | HUSHU                 |          | DF       | FO    | 1.00 |        |          | 2900     |

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW27

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2900 DIRECT HUSHU AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**CHANGES - REASONS**

1. REMOVED FEEDER FROM HIC TO IDANY. - FPT REQUEST/VOR MON PROJECT.
2. ADDED "MAX 10000" TO PROFILE LINE 2 - IAW 8260.19I PARA 8-6-7.B (2).
3. REMOVED \*LNAV ONLY AND CHANGED FROM "CHART VDP AT 1.43 NM TO RW27\*" TO "CHART VDP AT 1.43 NM TO RW27" FROM ADDITIONAL FLIGHT DATA. - IAW 8260.19I PARA 8-6-10M.
4. ADDED 20:1 IS CLEAR TO PROFILE LINE 7. - IAW 8260.19I PARA 8-6-7.G (3).
5. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH - GPS TO PBN REQUIREMENTS NOTE. - IAW 8260.19I PARA 8-6-8.B (2).
6. CHANGED CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C (4°F) OR ABOVE 54°C (130°F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 °C OR ABOVE 54°C. - IAW 8260.19I PARA 8-6-9.R
7. REMOVED CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVAL ON HIC VOR/DME AIRWAY RADIALS 007 CW 140. - VOR MON PROJECT.
8. MOVED ALL NOTES AND REFERENCES TO MUSKEGON ALTIMETER SETTING FROM 8260-3 TO 8260-9 FOR CONTINGENCY PURPOSES - MOVED TO 8260-9/LOCAL AND SECONDARY ON WMSCR.
9. CHANGED ALL LPV VISIBILITY FROM 3/4 SM TO 1 SM. - UPDATED 8260.3D VIS TABLES
10. CHANGED ALL LNAV/VNAV VISIBILITY FROM 2 SM TO 1 5/8 SM. - UPDATED 8260.3D VIS TABLES
11. CHANGED LNAV CAT C/D VISIBILITY FROM 1 3/4 SM TO 1 3/8 SM. - UPDATED 8260.3D VIS TABLES
12. CHANGED CHART NOTE FROM: NIGHT LANDING: RWY 32 NA TO CIRCLING RWY 32 NA AT NIGHT. - IAW 8260.19I PARA 8-6-11 O (2)(H) NOTE.
13. UPDATED DISTANCE TO HAT FROM 250 HAT: 0.66 TO 200 HAT: 0.60. - CORRECTED ADMINISTRATIVE ERROR.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMP, LAN FSS, 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*  
**CASIMIR L TABAKA**  
Apr 06, 2022

**DEVELOPED BY**

CASIMIR L. TABAKA (KATHERINE EUBANKS)

*Digitally signed by*  
**CASIMIR L TABAKA**  
Apr 06, 2022

**OFFICE**

AJV-A432

**DATE**

03/18/2022

**APPROVED BY**

KATHERINE EUBANKS

*Digitally signed by*  
**CASIMIR L TABAKA**  
Apr 06, 2022

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|--|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KRQB          |
| RUNWAY                                   | RW27          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W27A          |
| LTP/FTP LATITUDE                         | 434328.1370N  |
| LTP/FTP LONGITUDE                        | 0853000.9680W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +02550        |
| FPAP LATITUDE                            | 434328.5855N  |
| FPAP LONGITUDE                           | 0853203.8410W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00040.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 1440          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 35.0          |
| <br>                                     |               |
| CRC REMAINDER                            | 6F5937DB      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K5     |
| LTP ORTHOMETRIC HEIGHT  | +02879 |
| FPAP ORTHOMETRIC HEIGHT | +02879 |

