

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>EHO        | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 5 | <u>ORIGINAL/AMENDMENT</u><br>3                  | <u>CITY</u><br>SHELBY                     | <u>STATE</u><br>NC         |
| <u>AIRPORT ELEVATION</u><br>847 | <u>TDZE</u><br>847                        | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 5           | <u>ORIGINAL/AMENDMENT</u><br>2B           | <u>DATED</u><br>08/15/2019 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>          | <u>ACTUAL EFFECTIVE DATE</u><br>22 JANUARY 2026 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>MAG VAR</u><br>6W       |
|                                 |                                           |                                                 |                                           | <u>EPOCH YEAR</u><br>2000  |
|                                 |                                           |                                                 |                                           | <u>CANCEL/SUSPEND</u>      |

TERMINAL ROUTES

| FROM                  | FIX TYPE | TO                    | FIX TYPE | LEG TYPE | FO/FB | RNP  | COURSE | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|----------|----------|
| BURGG                 | IAF      | ZISUG                 | NOPT     | TF       | FB    | 1.00 | 067.18 | 7.87     | 3000     |
| ZISUG                 | IF/IAF   | UPCEG                 |          | TF       | FB    | 1.00 | 049.81 | 6.13     | 3000     |
| UPCEG                 | FAF      | YIGUG/2.15 NM TO RW05 |          | TF       | FB    | 0.30 | 049.86 | 4.52     |          |
| YIGUG/2.15 NM TO RW05 |          | RW05                  | MAP      | TF       | FO    | 0.30 | 049.86 | 2.15     |          |
| RW05                  | MAP      | 1097 MSL              |          | CA       |       |      | 049.86 |          |          |
| 1097 MSL              |          | JIRUL                 |          | DF       | FB    | 1.00 |        |          |          |
| JIRUL                 |          | LINCO                 |          | TF       | FO    | 1.00 | 046.17 | 9.31     | 4000     |

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT JIRUL AND ON TRACK 046.17 TO LINCO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

|    |                                                                             |                                               |                 |              |                   |          |
|----|-----------------------------------------------------------------------------|-----------------------------------------------|-----------------|--------------|-------------------|----------|
| 1. | PT                                                                          | SIDE OF COURSE                                | OUTBOUND        | FT WITHIN    | MILES OF          | (IAF)    |
| 2. | HOLD SW ZISUG, RT, 049.81 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 14000. |                                               |                 |              |                   |          |
| 3. | FAC:                                                                        | 049.86                                        | FAF:            | UPCEG        | DIST FAF TO MAP:  | 6.67     |
| 4. | MIN ALT:                                                                    | ZISUG 3000, UPCEG 3000, YIGUG/2.15 NM TO RW05 | 1560            |              | DIST FAF TO THLD: | 6.67     |
| 5. | DIST TO THLD FROM OM:                                                       | MM:                                           | IM:             | 150 HAT:     | 250 HAT:          | 0.70     |
| 6. | MIN GP INCPT:                                                               | 3000                                          | GP ALT AT PFAF: | UPCEG 3000   | OM:               | GS ANT:  |
| 7. | GP ANGLE:                                                                   | 3.00                                          | 34:1:           | IS NOT CLEAR | 20:1:             | IS CLEAR |
| 8. | MSA FROM:                                                                   | RW05 4200                                     | TCH:            | 41.1         | IM:               |          |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CLT ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLT ALTIMETER SETTING AND INCREASE LPV DA TO 1187 FEET. INCREASE LNAV/VNAV DA TO 1203 FEET. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 050.00 INBOUND.  
CHART FAS OBST: 965 VERTICAL\_STRUCTURE (37-139235) 351404N/0813735W.  
CHART VDP AT 1.14 NM TO RW05.  
WAAS CHANNEL # 63124  
REFERENCE PATH ID: W05A  
LTP HAE: 222.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY:    | A      |     |         | B      |     |         | C      |       |         | D      |       |         | E      |     |         |
|--------------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-----|---------|
| FINAL TYPE   | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS | HAT/HAA |
| LPV DA       | 1097   | 1   | 250     | 1097   | 1   | 250     | 1097   | 1     | 250     | 1097   | 1     | 250     |        |     |         |
| LNAV/VNAV DA | 1113   | 1   | 266     | 1113   | 1   | 266     | 1113   | 1     | 266     | 1113   | 1     | 266     |        |     |         |
| LNAV MDA     | 1240   | 1   | 393     | 1240   | 1   | 393     | 1240   | 1 1/8 | 393     | 1240   | 1 1/8 | 393     |        |     |         |

CHANGES - REASONS

1. TERMINAL ROUTES: AMENDED IAF SEGMENT FROM "SPA VORTAC TO ZISUG" TO "BURGG TO ZISUG" AND COURSE FROM "067.27" TO "067.18." - DUE TO SPA VORTAC RELOCATION AND IAF FIX CHANGE FROM SPA VORTAC TO FIX BURGG.
2. TERMINAL ROUTES: AMENDED LNAV FINAL SEGMENT FROM "UPCEG TO YIGUG/2.10 NM TO RW05 AND DISTANCE 4.57" TO "UPCEG TO YIGUG/2.15 NM TO RW05 AND DISTANCE 4.52." - YIGUG RELOCATED 0.4 NM FOR INCREASED CROSSING ALTITUDE FOR RASS ADJUSTMENT.
3. TERMINAL ROUTES: AMENDED LNAV FINAL SEGMENT FROM "UPCEG TO YIGUG/2.10 NM TO RW05 TO RW05 AND DISTANCE 2.1" TO "YIGUG/2.15 NM TO RW05 TO RW05 AND DISTANCE 2.15." - DUE TO YIGUG RELOCATION.
4. TERMINAL ROUTES: RAISED MISSED APPROACH INITIAL CLIMB ALTITUDE FROM "1084 MSL" TO "1097 MSL." - TO MATCH LOWEST DA IAW 8260.58C 3-5-2.
5. PROFILE LINE 4: AMENDED MINIMUM ALTITUDE FROM "YIGUG/2.10 NM TO RW05 1540" TO "YIGUG/2.15 NM TO RW05 1560." - DUE TO YIGUG RELOCATION AND MINIMUM ALTITUDE RAISE.
6. PROFILE LINE 6: AMENDED 250 HAT: FROM "0.66" TO "0.70." - IAW 8260.19J AND NEW PROCEDURE EVALUATION.
7. PROFILE: LINE 7, ADDED 20:1 "IS CLEAR." AND AMENDED TCH FROM "41.0" TO "41.1."- 20:1 CRITERIA IAW 8260.19J 8-6-7 AND TCH RAISE TO MATCH PUBLISHED VGSI.
8. PBN REQUIREMENTS NOTE: AMENDED FROM "RNP APCH" TO "RNP APCH - GPS." - IAW 8260.19J 8-6-9.
9. NOTES: REMOVED "\*LNAV ONLY." - NO LONGER NEEDED.
10. NOTES: UPDATED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 38°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C." - IAW 8260.19J 8-7-1C.
11. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SPA VORTAC AIRWAY RADIALS 360 CW 103." - SPA VORTAC NO LONGER USED IN PROCEDURE.
12. NOTES: AMENDED "BARO-VNAV NA WHEN USING CHARLOTTE ALTIMETER SETTING." TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CLT ALTIMETER SETTING." - DUE TO AN ESTABLISHED VDP AND IAW 8260.19J 8-6-10.
13. NOTES: AMENDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLOTTE ALTIMETER SETTING AND INCREASE ALL DA 88 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 SM AND LNAV/VNAV ALL CATS, LNAV CAT C/D VISIBILITY 1/4 SM." TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLT ALTIMETER SETTING AND INCREASE LPV DA TO 1187 FEET. INCREASE LNAV/VNAV DA TO 1203 FEET. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM." - DUE TO UPDATED RASS ADJUSTMENT.
14. ADDITIONAL FLIGHT DATA: AMENDED FAS OBST FROM "979 PWR LINE 351434N/0813630W" TO "965 VERTICAL\_STRUCTURE (37-139235) 351404N/0813735W." - DUE TO NEW CONTROLLING OBSTACLE.
15. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.14 NM TO RW05." - PROCEDURE 20:1 IS CLEAR, PREVIOUS EVALUATIONS IT WAS NOT CLEAR.
16. MINIMUMS: ADDED "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE." - IAW 8260.19J 8-6-12.
17. MINIMUMS: AMENDED LNAV/VNAV FROM "ALL CATS 1173 DA, 1 1/8 SM VIS AND 326 HAT" TO "ALL CATS 1113 DA, 1 SM VIS AND 266 HAT." - DUE TO NEW PROCEDURE EVALUATION.
18. CRC REMAINDER: AMENDED FROM "A7CCCC5B" TO "97314E50." - DUE TO LTP/FTP LATITUDE/LONGITUDE CHANGE FROM "351502.8790N/0813623.6565W" TO "351502.8800N/0813623.6600W" AND FPAP LATITUDE/LONGITUDE CHANGE FROM "351607.1600N/0813508.2000W" TO "351607.1675N/0813508.1990W" AND TCH CHANGE FROM "41.0" TO "41.1".

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZTL, CLT TRACON, EHO AIRPORT MANAGER

FLIGHT CHECKED BY

JON D HOLLAND

Digitally signed by  
**ROBERT G HAMILTON**  
May 23, 2025

OFFICE

AJF

DATE

05/20/2025

DEVELOPED BY

CORY SLANE

Digitally signed by  
**ROBERT G HAMILTON**  
May 23, 2025

OFFICE

AJV-33

DATE

03/19/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by  
**ROBERT G HAMILTON**  
May 23, 2025

OFFICE

AJV-A433

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| DATA FIELD                               | DATA          |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KEHO          |
| RUNWAY                                   | RW05          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W05A          |
| LTP/FTP LATITUDE                         | 351502.8800N  |
| LTP/FTP LONGITUDE                        | 0813623.6600W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +02223        |
| FPAP LATITUDE                            | 351607.1675N  |
| FPAP LONGITUDE                           | 0813508.1990W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00041.1       |
| 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)               | 50.0          |
| CRC REMAINDER                            | 97314E50      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K7     |
| LTP ORTHOMETRIC HEIGHT  | +02541 |
| FPAP ORTHOMETRIC HEIGHT | +02541 |

