

**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>KGAS       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 23 | <u>ORIGINAL/AMENDMENT</u><br>1               | <u>CITY</u><br>GALLIPOLIS                 | <u>STATE</u><br>OH         |                      |                           |
| <u>AIRPORT ELEVATION</u><br>566 | <u>TDZE</u><br>566                         | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 23       | <u>ORIGINAL/AMENDMENT</u><br>ORIG-A       | <u>DATED</u><br>04/02/2015 | <u>MAG VAR</u><br>7W | <u>EPOCH YEAR</u><br>2000 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u><br>17 JUNE 2021 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      |                      |                           |

**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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| UJOYU       | IAF             | WUNUN     | NOPT            | TF              | FB           | 1.00       | 267.72        | 8.39            | 2700            |
| WUNUN       | IF/IAF          | YECUV     |                 | TF              | FB           | 1.00       | 234.99        | 5.00            | 2300            |
| YECUV       | FAF             | RW23      | MAP             | TF              | FO           | 0.30       | 234.94        | 5.34            |                 |
| RW23        | MAP             | 966 MSL   |                 | CA              |              |            | 234.94        |                 |                 |
| 966 MSL     |                 | WUNUN     |                 | DF              | FO           | 1.00       |               |                 | 2700            |

**MISSED APPROACH**

**MAP:**

LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN 2700 DIRECT WUNUN AND HOLD

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
- HOLD NE WUNUN, RT, 234.99 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 234.94      **FAF:** YECUV      **DIST FAF TO MAP:** 5.34      **DIST FAF TO THLD:** 5.34
- MIN ALT:**    WUNUN 2700, YECUV 2300
- DIST TO THLD FROM OM:**      **MM:**      **IM:**      **150 HAT:**      **GS ANT:**
- MIN GP INCPT:**      **GP ALT AT FAF :**      **OM:**      **MM:**      **IM:**
- GP ANGLE:**      **34:1:** IS NOT CLEAR      **20:1:** IS NOT CLEAR      **TCH:**
- MSA FROM:**    RW23 3600



**PBN REQUIREMENTS NOTE:**

RNP APCH-GPS

**NOTES:**

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UJOYU ON V133 NORTHBOUND AND V119 NORTHEASTBOUND.

**ADDITIONAL FLIGHT DATA:**

YECUV TO RW23: 3.00/40.

CHART FAS OBST: 1009 TOWER 385049N/0820750W.

CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA ☒

| <b>CATEGORY:</b>  | <b>A</b>      |            |                | <b>B</b>      |            |                | <b>C</b>      |            |                | <b>D</b>      |            |                | <b>E</b>      |            |                |
|-------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|
| <b>FINAL TYPE</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> |
| LNAV MDA          | 1320          | 1          | 754            | 1320          | 1 1/4      | 754            | 1320          | 2          | 754            |               | NA         |                |               |            |                |
| CIRCLING          | 1440          | 1 1/4      | 874            | 1440          | 1 1/4      | 874            | 1440          | 2 1/2      | 874            |               | NA         |                |               |            |                |

**CHANGES - REASONS**

1. REMOVED HENDERSON (HNN) VORTAC FROM TERMINAL ROUTES AND ASSOCIATED HNN ENTRY RESTRICTIONS - HNN CHANGE TO DME ONLY FACILITY.
2. CHANGED MISSED APPROACH INSTRUCTIONS AND HOLDING POINT FROM "CLIMBING LEFT TURN TO 2700 DIRECT HNN VORTAC AND HOLD" TO "CLIMBING LEFT TURN TO 2700 DIRECT WUNUN AND HOLD" - FPT INSTRUCTIONS AND CHANGE OF HNN VORTAC TO DME ONLY FACILITY.
3. DECREASED LNAV MDA/HAT ALL CATS FROM 1360/799 TO 1320/754 - NEW EVALUATION.
4. DECREASED LNAV CAT C VISIBILITY FROM 2 1/2 SM TO 2 SM - NEW EVALUATION.
- 5 ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - IAW 8260.19I, 8-7-1.D(11), EXPANDED CIRCLING CRITERIA HAS BEEN APPLIED.
6. ADDED ADDITIONAL FLIGHT DATA "CHART FAS OBST: 385049N/0820750W", REMOVED "FAS OBST: 1099 AAO 385313N/0820549W" - NEW CONTROLLING OBSTACLE, NEW EVALUATION.
7. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" - IAW 8260.19I 4-6-10(E).
9. ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTES - IAW 8260.19I 8-6-8(B)(2).
10. REMOVED CHART NOTE: ALTERNATE ALTIMETER NOTE - ADDED TO 8260-9 FOR CONTINGENCY USE.
11. ADDED TO PROFILE LINE 7, "20:1 IS NOT CLEAR" - NO SURVEY, PENETRATIONS PRESUMED, IAW 8260.19I PARA 8-6-7G(3).
12. DELETED VGSI NON COINCIDENT NOTE - VGSI AND DESCENT ANGLE WITHIN 0.20 DEGREES AND 3 FEET.
13. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 IN PROFILE SECTION FOR WUNUN FIX - REQUIRED IAW 8260.19I, PARA 8-6-7B (2).



AIRPORT ID  
KGAS

PROCEDURE NAME  
RNAV (GPS) RWY 23

ORIGINAL/AMENDMENT  
1

CITY  
GALLIPOLIS

STATE  
OH

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZID, HTS APP CON, AMGR.

FLIGHT CHECKED BY  
JAMES HAWLEY

*Digitally signed by*  
**JON DENTON**  
Mar 19, 2021

OFFICE  
FICO

DATE  
3/18/2021

DEVELOPED BY  
JON DENTON (GORDON LEMON)

*Digitally signed by*  
**JON DENTON**  
Mar 19, 2021

OFFICE  
AJV-A432

DATE  
12/23/2020

APPROVED BY  
LONNIE EVERHART

*Digitally signed by*  
**JON DENTON**  
Mar 19, 2021

OFFICE  
AJV-A430

DATE

TITLE  
MANAGER

