

**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.

| | | | | | |
|--|----------------------------------|--|---|----------------------------|---------------------------|
| AIRPORT HATTIESBURG BOBBY L CHAIN MUNI | AIRPORT ID KHBG | PROCEDURE NAME RNAV (GPS) Z RWY 13 | ORIGINAL/AMENDMENT 1B | CITY HATTIESBURG | STATE MS |
| AIRPORT ELEVATION 151 | TDZE 151 | SUPERSEDED RNAV (GPS) Z RWY 13 | ORIGINAL/AMENDMENT 1A | DATED 06/23/2016 | MAG VAR 1W |
| FACILITY RNAV | COORDINATES OF FACILITIES | ACTUAL EFFECTIVE DATE 19 JULY 2018 | REQUIRED EFFECTIVE DATE ROUTINE | CANCEL SUSPEND | EPOCH YEAR 2010 |

TAA

| FROM | FIX TYPE | TO | FIX TYPE | ALTITUDE |
|---------------------|-----------------|-----------|-----------------|-----------------|
| 1. 042/30 CW 222/30 | NOPT | HILGA | IF/IAF | 2500 |
| 2. 222/30 CW 312/30 | | DIYET | IAF | 2500 |
| 3. 312/30 CW 042/30 | | CERNU | IAF | 2500 |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| DIYET | IAF | HILGA | NOPT | TF | FB | 1.00 | 221.95 | 10.00 | 2500 |
| CERNU | IAF | HILGA | NOPT | TF | FB | 1.00 | 041.81 | 10.00 | 2500 |
| HILGA | IF/IAF | CUPPA | | TF | FB | 1.00 | 131.88 | 7.20 | 2000 |
| CUPPA | FAF | NETTI/2.80 NM TO RW13 | | TF | FB | 0.30 | 131.94 | 2.89 | |
| NETTI/2.80 NM TO RW13 | | RW13 | MAP | TF | FO | 0.30 | 131.94 | 2.80 | |
| RW13 | MAP | 600 MSL | | CA | | | 131.94 | | 600 |
| 600 MSL | | HILGA | | DF | FO | 1.00 | | | 2500 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 DIRECT HILGA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD NW HILGA, RT, 131.88 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 131.94 **FAF:** CUPPA **DIST FAF TO MAP:** 5.69 **DIST FAF TO THLD:** 5.69
4. **MIN ALT:** HILGA 2500, CUPPA 2000, NETTI/2.80 NM TO RW13 1080*, RW13
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.50
6. **MIN GP INCPT:** 2000 **GP ALT AT FAF :** CUPPA 2000 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40.0
8. **MSA FROM:**

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 43C.
 CHART PLANVIEW NOTE: UNCONTROLLED HELICOPTER AND MILITARY AIRLIFT AIRCRAFT IN VICINITY OF HAGLER AAF AND SHELBY AUXILIARY 1 AIRFIELD.
 CHART NOTE: CAT D AIRCRAFT REQUIRE ATC APPROVAL WHEN R-4401 IS ACTIVE.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE (ANGLE)/TCH (FEET)).

ADDITIONAL FLIGHT DATA:

CHART: HAGLER AAF AND SHELBY AUXILIARY 1 AIRFIELD
 CHART R-4401A/B, DE SOTO 1 MOA
 CHART VDP AT 1.19 NM TO RW13*
 *LNAV ONLY
 WAAS CHANNEL #86403
 REFERENCE PATH ID: W13A
 CHART FAS OBST: 319 TREE 311734N/0891808W.
 CHART: 541 TOWER 312007N/0891936W.
 LTP HAE: 18.5 M

MINIMUMS:

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

ALTERNATE: NA STANDARD

| 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 | 351 | 3/4 | 200 | 351 | 3/4 | 200 | 351 | 3/4 | 200 | 351 | 3/4 | 200 | | | | |
| LNAV/VNAV DA | 473 | 1 | 322 | 473 | 1 | 322 | 473 | 1 | 322 | 473 | 1 | 322 | | | | |
| LNAV MDA | 580 | 1 | 429 | 580 | 1 | 429 | 580 | 1 1/4 | 429 | 580 | 1 1/4 | 429 | | | | |
| CIRCLING | 620 | 1 | 469 | 700 | 1 | 549 | 700 | 1 1/2 | 549 | 720 | 2 | 569 | | | | |



CHANGES - REASONS

1. INCREASED LNAV/VNAV DA/HAT FROM 458/307 TO 473/322- NEW CONTROLLING OBSTACLE.
2. INCREASED CAT B/C CIRCLING MDA/HAA FROM 620/469 TO 700/549- NEW CONTROLLING OBSTACLE.
3. CHANGED VDP FROM 1.23 TO 1.19- VGSI TCH CHANGED FROM 40 TO 50.
4. CHANGED MA INSTRUCTIONS FROM CLIMBING RIGHT TURN TO 2500 DIRECT HILGA AND HOLD TO CLIMB TO 600 THEN CLIMBING RIGHT TURN DIRECT HILGA AND HOLD- TO MEET CURRENT CRITERIA IAW 8260.3C PARA 16-2-6.
5. REMOVED ALL REFERNCE OF HATTIESBURG-LAUREL RGNL ALTIMETER SETTING NOTES - LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE.
6. INCORPORATED P-NOTAM 6/4767 ON TO FORMS - 8260.19H 8-3-4 C(3).

5/24/2018: THIS IS A CORRECT COPY OF THE FORMS APPROVED ON 5/22/2018:

1. ADDED NOPT TO TERMINAL ROUTE LEG: DIYET TO HILGA.
2. CORRECTED SPELLING: AUXILLARY TO AUXILIARY.



AIRPORT

HATTIESBURG BOBBY L CHAIN MUNI

AIRPORT ID

KHBG

PROCEDURE NAME

RNAV (GPS) Z RWY 13

ORIGINAL/AMENDMENT

1B

CITY

HATTIESBURG

STATE

MS

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZHU, ZME, KHBG AMGR, ATA

FLIGHT CHECKED BY

STEPHEN F KOCH

Digitally signed by

BEV L BORDY

May 22, 2018

OFFICE

FICO

DATE

5/17/18

DEVELOPED BY

LONNIE EVERHART (MICHAEL W-CTR HARRIS)

Digitally signed by

BEV L BORDY

May 22, 2018

Digitally signed by

BEV L BORDY

May 22, 2018

OFFICE

AJV-5400

DATE

02/14/2018

APPROVED BY

LONNIE EVERHART

OFFICE

AJV-5400

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KHBG |
| RUNWAY | RW13 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Z |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W13A |
| LTP/FTP LATITUDE | 311607.1235N |
| LTP/FTP LONGITUDE | 0891528.2685W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00185 |
| FPAP LATITUDE | 311508.5500N |
| FPAP LONGITUDE | 0891409.8000W |
| 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 | 1200 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| | |
| CRC REMAINDER | 38AEE48B |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00454 |
| FPAP ORTHOMETRIC HEIGHT | +00454 |

