

**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</u><br>TALLAHASSEE INTL | <u>AIRPORT ID</u><br>KTLH        | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 9      | <u>ORIGINAL/AMENDMENT</u><br>2B           | <u>CITY</u><br>TALLAHASSEE | <u>STATE</u><br>FL   |                           |
| <u>AIRPORT ELEVATION</u><br>83     | <u>TDZE</u><br>66                | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 9          | <u>ORIGINAL/AMENDMENT</u><br>2A           | <u>DATED</u><br>12/07/2017 | <u>MAG VAR</u><br>5W | <u>EPOCH YEAR</u><br>2020 |
| <u>FACILITY</u><br>RNAV            | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u><br>15 AUGUST 2019 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      |                      |                           |

**TAA**

| <u>FROM</u>         | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>ALTITUDE</u> |
|---------------------|-----------------|-----------|-----------------|-----------------|
| 1. 004/30 CW 184/30 | NOPT            | RAGKO     | IF/IAF          | 3000            |
| 2. 184/30 CW 274/30 |                 | CONPA     | IAF             | 3000            |
| 3. 274/30 CW 004/30 |                 | MOGPE     | IAF             | 3000            |

**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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| CONPA                 | IAF             | RAGKO                 | NOPT            | TF              | FB           | 1.00       | 184.35        | 6.70            | 3000            |
| MOGPE                 | IAF             | RAGKO                 | NOPT            | TF              | FB           | 1.00       | 004.35        | 6.70            | 3000            |
| RAGKO                 | IF/IAF          | HEGET                 |                 | TF              | FB           | 1.00       | 094.35        | 6.02            | 1800            |
| HEGET                 | FAF             | XOTNE/2.20 NM TO RW09 |                 | TF              | FB           | 0.30       | 094.41        | 3.08            |                 |
| XOTNE/2.20 NM TO RW09 |                 | RW09                  | MAP             | TF              | FO           | 0.30       | 094.41        | 2.20            |                 |
| RW09                  | MAP             | 401 MSL               |                 | CA              |              |            | 094.41        |                 |                 |
| 401 MSL               |                 | FEKAD                 |                 | DF              | FO           | 1.00       |               |                 | 3000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW09

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT FEKAD AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W RAGKO, RT, 094.35 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 094.41FAF: HEGETDIST FAF TO MAP: 5.28DIST FAF TO THLD: 5.28

4. MIN ALT: RAGKO 3000, HEGET 1800, XOTNE/2.20 NM TO RW09 800\*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:335 HAT: 0.88GS ANT:

6. MIN GP INCPT: 1800GP ALT AT FAF : HEGET 1800OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 58.1

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART: ASR  
CHART CIRCLING ICON.  
CHART VDP AT 1.13 NM TO RW09\*  
\*LNAV ONLY  
WAAS CHANNEL #45503  
REFERENCE PATH ID: W09A  
FAS OBST: 230 TREE 302309N/0842302W.  
HOLD E, RT, 274.59 INBOUND  
LTP HAE: -9.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

| 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       | 401    | 6000  | 335     | 401    | 6000  | 335     | 401    | 6000  | 335     | 401    | 6000  | 335     |        |     |         |
| LNAV/VNAV DA | 447    | 1 1/4 | 381     | 447    | 1 1/4 | 381     | 447    | 1 1/4 | 381     | 447    | 1 1/4 | 381     |        |     |         |
| LNAV MDA     | 480    | 5500  | 414     | 480    | 5500  | 414     | 480    | 6000  | 414     | 480    | 6000  | 414     |        |     |         |
| CIRCLING     | 580    | 1     | 497     | 600    | 1     | 517     | 640    | 1 1/2 | 557     | 800    | 2 1/4 | 717     |        |     |         |



**CHANGES - REASONS**

- 1. UPDATED LPV DA FROM 400/HAT 335 ALL CATS TO DA 401/HAT 335 ALL CATS - TDZE CHANGED FROM 65 FT TO 66 FT.
- 2. UPDATED LNAV/VNAV DA FROM 439/HAT 374 ALL CATS TO DA 447/HAT 381 ALL CATS - NEW LNAV/VNAV FINAL CONTROLLING OBSTACLE.
- 3. UPDATED LNAV HAT 415 ALL CATS TO HAT 414 ALL CATS - TDZE CHANGED FROM 65 FT TO 66 FT.
- 4. UPDATED CIRCLING CAT D MDA FROM 780/HAA 697 TO MDA 800/HAA 717 - NEW CIRCLING CAT D CONTROLLING OBSTACLE.
- 5. DELETED NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - REFERENCE REVISED CRITERIA.
- 6. ADDED 20:1 IS CLEAR TO LINE #7 OF THE 8260-3 - REFERENCE 8260.19H CRITERIA NO 20:1 VISUAL SURFACE PENETRATIONS.
- 7. UPDATED BARO-VNAV NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7C (20F) OR ABOVE 54C (130F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C OR ABOVE 54C - FAHRENHEIT NO LONGER REQUIRED AND UPDATED WEATHER STUDY.
- 8. UPDATED FAS DATA BLOCK INFORMATION AS FOLLOWS: UPDATED LTP/FTP LATITUDE/LONGITUDE FROM 302328.7150N-0842123.5505W TO 302328.7155N-0842123.5505W, FPAP LATITUDE/LONGITUDE FROM 302329.5390N-0841940.5345W TO 302329.5320N-0841940.5350W AND CRC REMAINDER CHANGED FROM A475AB5C TO B8DF3161 - NEW AND OR UPDATED DATA BASE.
- 9. UPDATED TDZE FROM 65 TO 66 - NEW AND OR UPDATED DATA BASE.
- 10. UPDATED DISTANCE TO THLD FROM 335 HAT FROM 0.87 NM TO 0.88 NM - NEW AND OR UPDATED DATA BASE.
- 11. REMOVED CHART TYNDALL MOA G FROM ADDITIONAL FLIGHT DATA - NONE OF THE NUMEROUS MOAS ARE CHARTED ON ANY OF THE PROCEDURED DEVELOPED AT KTLH.

PDF EDIT:  
1. REMOVED LPV MISSED APPROACH OBSTACLE #10 FROM LNAV/VNAV AND LNAV MISSED OBSTRUCTION SECTIONS - AUTO-GENERATED FOR ALL MISSED SEGMENTS.

**COORDINATED WITH:**

A4A ☒    ALPA ☒    AOPA ☒    APA ☒    HAI ☐    NBAA ☒    OTHER: TLH ATCT, TLH APP CON, ZJX.  
*Digitally signed by*

|                          |                        |               |             |
|--------------------------|------------------------|---------------|-------------|
| <u>FLIGHT CHECKED BY</u> | <u>DONALD H LANIER</u> | <u>OFFICE</u> | <u>DATE</u> |
| MARC J HINCK             | May 16, 2019           | FICO          | 5/14/19     |

|                     |                            |               |             |
|---------------------|----------------------------|---------------|-------------|
| <u>DEVELOPED BY</u> | <i>Digitally signed by</i> | <u>OFFICE</u> | <u>DATE</u> |
| SYLVAN DRAKES       | <u>SYLVAN DRAKES</u>       | AJV-A433      | 01/31/2019  |
|                     | Jan 31, 2019               |               |             |

|                    |                            |               |             |              |
|--------------------|----------------------------|---------------|-------------|--------------|
| <u>APPROVED BY</u> | <i>Digitally signed by</i> | <u>OFFICE</u> | <u>DATE</u> | <u>TITLE</u> |
| LONNIE EVERHART    | <u>DONALD H LANIER</u>     | AJV-A430      |             | MANAGER      |
|                    | May 16, 2019               |               |             |              |



**FAS DATA BLOCK INFORMATION**

| <b><u>DATA FIELD</u></b>                 | <b><u>DATA</u></b> |
|------------------------------------------|--------------------|
| OPERATION TYPE                           | 0                  |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0                  |
| AIRPORT IDENTIFIER                       | KTLH               |
| RUNWAY                                   | RW09               |
| APPROACH PERFORMANCE DESIGNATOR          | 0                  |
| ROUTE INDICATOR                          |                    |
| REFERENCE PATH DATA SELECTOR             | 0                  |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W09A               |
| LTP/FTP LATITUDE                         | 302328.7155N       |
| LTP/FTP LONGITUDE                        | 0842123.5505W      |
| LTP/FTP ELLIPSOIDAL HEIGHT               | -00093             |
| FPAP LATITUDE                            | 302329.5320N       |
| FPAP LONGITUDE                           | 0841940.5350W      |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00058.1            |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F                  |
| GLIDEPATH ANGLE (GPA)                    | 03.00              |
| COURSE WIDTH AT THRESHOLD                | 106.75             |
| LENGTH OFFSET                            | 0312               |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0               |
| VERTICAL ALERT LIMIT (VAL)               | 50.0               |
| <br>                                     |                    |
| CRC REMAINDER                            | B8DF3161           |

**ADDITIONAL PATH POINT RECORD INFORMATION**

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K7     |
| LTP ORTHOMETRIC HEIGHT  | +00185 |
| FPAP ORTHOMETRIC HEIGHT | +00185 |