

**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>ZPH       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 1 | <u>ORIGINAL/AMENDMENT</u><br>2               | <u>CITY</u><br>ZEPHYRHILLS                   | <u>STATE</u><br>FL         |
| <u>AIRPORT ELEVATION</u><br>90 | <u>TDZE</u><br>82                         | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 1        | <u>ORIGINAL/AMENDMENT</u><br>1A              | <u>DATED</u><br>12/05/2019 |
| <u>FACILITY</u><br>RNAV        | <u>COORDINATES OF FACILITIES</u>          | <u>ACTUAL EFFECTIVE DATE</u><br>11 JULY 2024 | <u>REQUIRED EFFECTIVE DATE</u><br>07/11/2024 | <u>MAG VAR</u><br>6W       |
|                                |                                           |                                              |                                              | <u>EPOCH YEAR</u><br>2015  |
|                                |                                           |                                              |                                              | <u>CANCEL/SUSPEND</u>      |

**TAA**

| <u>FROM</u>         | <u>FIX TYPE</u> | <u>TO</u>        | <u>FIX TYPE</u> | <u>ALTITUDE</u> |
|---------------------|-----------------|------------------|-----------------|-----------------|
| 1. 276/30 CW 096/30 | NOPT            | 276/10 CW 096/10 |                 | 2700            |
| 2. 276/10 CW 096/10 |                 | UFSOP            | IF/IAF          | 2000            |
| 3. 096/30 CW 186/30 |                 | 096/10 CW 186/10 |                 | 2600            |
| 4. 096/10 CW 186/10 |                 | ELIJE            | IAF             | 2000            |
| 5. 186/30 CW 276/30 |                 | 186/15 CW 276/15 |                 | 2200            |
| 6. 186/15 CW 276/15 |                 | ICZOR            | IAF             | 2000            |

**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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| ELIJE       | IAF             | UFSOP     | NOPT            | TF              | FB           | 1.00       | 096.26        | 6.00            | 2000            |
| ICZOR       | IAF             | UFSOP     | NOPT            | TF              | FB           | 1.00       | 276.36        | 6.00            | 2000            |
| UFSOP       | IF/IAF          | ERKAF     |                 | TF              | FB           | 1.00       | 006.31        | 5.81            | 1700            |
| ERKAF       | FAF             | RW01      | MAP             | TF              | FO           | 0.30       | 006.31        | 4.95            |                 |
| RW01        | MAP             | 332 MSL   |                 | CA              |              |            | 006.31        |                 |                 |
| 332 MSL     |                 | IXROV     |                 | DF              | FO           | 1.00       |               |                 | 2000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW01

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 DIRECT IXROV AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

|    |                                                                              |                        |                 |            |                  |          |                   |      |          |      |         |  |     |  |  |
|----|------------------------------------------------------------------------------|------------------------|-----------------|------------|------------------|----------|-------------------|------|----------|------|---------|--|-----|--|--|
| 1. | PT                                                                           | SIDE OF COURSE         | OUTBOUND        | FT WITHIN  | MILES OF         | (IAF)    |                   |      |          |      |         |  |     |  |  |
| 2. | HOLD S UFSOP, RT, 006.31 INBOUND, 2000 FT. IN LIEU OF PT (IF/IAF), MAX 6000. |                        |                 |            |                  |          |                   |      |          |      |         |  |     |  |  |
| 3. | FAC:                                                                         | 006.31                 | FAF:            | ERKAF      | DIST FAF TO MAP: | 4.95     | DIST FAF TO THLD: | 4.95 |          |      |         |  |     |  |  |
| 4. | MIN ALT:                                                                     | UFSOP 2000, ERKAF 1700 |                 |            |                  |          |                   |      |          |      |         |  |     |  |  |
| 5. | DIST TO THLD FROM OM:                                                        |                        | MM:             |            | IM:              |          | 150 HAT:          |      | 250 HAT: | 0.65 | GS ANT: |  |     |  |  |
| 6. | MIN GP INCPT:                                                                | 1700                   | GP ALT AT PFAF: | ERKAF 1700 |                  |          |                   |      | OM:      |      | MM:     |  | IM: |  |  |
| 7. | GP ANGLE:                                                                    | 3.00                   | 34:1:           | IS CLEAR   | 20:1:            | IS CLEAR | TCH:              | 45.0 |          |      |         |  |     |  |  |
| 8. | MSA FROM:                                                                    |                        |                 |            |                  |          |                   |      |          |      |         |  |     |  |  |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 186.31 INBOUND.  
CHART FAS OBST: 392 CRANE (12-195430) 281218N/0820846W.  
CHART VDP AT 1.68 NM TO RW01.  
WAAS CHANNEL # 69636  
REFERENCE PATH ID: W01A  
CHART CIRCLING ICON.  
LTP HAE: -2.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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       | 332    | 7/8   | 250     | 332    | 7/8   | 250     | 332    | 7/8   | 250     | 332    | 7/8   | 250     |        |     |         |
| LNAV/VNAV DA | 553    | 1 3/8 | 471     | 553    | 1 3/8 | 471     | 553    | 1 3/8 | 471     | 553    | 1 3/8 | 471     |        |     |         |
| LNAV MDA     | 660    | 1     | 578     | 660    | 1     | 578     | 660    | 1 5/8 | 578     | 660    | 1 5/8 | 578     |        |     |         |
| CIRCLING     | 700    | 1     | 610     | 700    | 1     | 610     | 700    | 1 3/4 | 610     | 780    | 2 1/4 | 690     |        |     |         |



CHANGES - REASONS

1. LOWERED TDZE FROM 87 TO 82 – NEW THRESHOLD LOCATION AND ELEVATION, RUNWAY 1/19 EXTENDED 1507 FEET SOUTH.
2. TERMINAL ROUTES, UFSOP TO ERKAF: REDUCED DISTANCE FROM 6.10 TO 5.81 – FAF ERKAF MOVED 1752 FEET SOUTH DUE TO RUNWAY EXTENSION.
3. TERMINAL ROUTES: DELETED FINAL STEPDOWN FIX DATRY AND ESTABLISHED SINGLE FINAL SEGMENT FROM ERKAF TO RW01 – NEW SURVEY AND CONTROLLING OBSTACLE, STEPDOWN NO LONGER PROVIDED MDA REDUCTION.
4. TERMINAL ROUTES, MISSED APPROACH CA LEG: LOWERED 337 MSL TO 332 MSL – LPV DA LOWERED FROM 337 TO 332, 8260.58C, 3-5-2.B.
5. PROFILE LINE 3: REDUCED “DIST FAF TO MAP” AND “DIST FAF TO THLD” FROM 4.96 TO 4.95 – NEW CALCULATION, THRESHOLD AND FAF MOVED DUE TO RUNWAY EXTENSION.
6. PROFILE LINE 4: DELETED DATRY – FINAL STEPDOWN FIX DATRY DELETED FROM PROCEDURE.
7. PROFILE LINE 5: REDUCED “DIST FROM THLD TO 250 HAT” FROM 0.69 TO 0.65 – NEW CALCULATION.
8. PROFILE LINE 7: CHANGED 34:1 FROM “IS NOT CLEAR” TO “IS CLEAR” – 34:1 VISUAL PENETRATIONS ARE NO LONGER PRESENT.
9. PROFILE LINE 7: CHANGED TCH FROM 40.0 TO 45.0 – TO MATCH VGSI, 8260.19I, 8-6-9.M.
10. PBN REQUIREMENTS NOTE: UPDATED FROM “RNP APCH” TO “RNP APCH – GPS” – ADDS REQUIRED SENSOR, 8260.19I, 8-6-8.B(2).
11. NOTES: DELETED “CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED” – 34:1 VISUAL PENETRATIONS ARE NO LONGER PRESENT.
12. NOTES: DELETED “CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).” – CHANGE IN TCH MAKES RNAV GLIDEPATH COINCIDENT WITH VGSI.
13. NOTES: DELETED “CHART PLANVIEW NOTE AT ELIJE: MAX 235 KIAS” AND “CHART PLANVIEW NOTE AT ICZOR: MAX 235 KIAS” – SPEED RESTRICTIONS NO LONGER REQUIRED TO MEET LEG LENGTH AND TURN ANGLE CRITERIA.
14. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP FROM “1.06 NM” TO “1.68 NM” TO RW01 – INCREASE IN LNAV MDA/HAT.
15. ADDITIONAL FLIGHT DATA: DELETED “\*LNAV ONLY” – NO LONGER REQUIRED.
16. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM “199 CRANE 281223N/0820843W” TO “392 CRANE (12-195430) 281218N/0820846W” – THRESHOLD MOVED, NEW SURVEY, AND NEW CONTROLLING OBSTACLE.
17. ADDITIONAL FLIGHT DATA: CHANGED LTP HAE FROM “-1.8 M” TO “-2.2 M” – NEW THRESHOLD LOCATION AND ELEVATION.
18. ALTERNATE MINIMUMS: CHANGED FROM “STANDARD” TO “CAT D 800-2 1/4” – INCREASE IN CIRCLING CAT D VISIBILITY.
19. MINIMUMS: DECREASED LPV ALL CATS DA FROM 337 TO 332 – NEW THRESHOLD LOCATION AND 5-FT DECREASE IN TDZE.
20. MINIMUMS: INCREASED LNAV/VNAV ALL CATS DA/HAT FROM 366/279 TO 553/471 – RUNWAY EXTENSION, NEW SURVEY, AND NEW CONTROLLING OBSTACLE.
21. MINIMUMS: INCREASED LNAV/VNAV ALL CATS VISIBILITY FROM 7/8 TO 1 3/8 SM – INCREASE IN HAT AND 8260.3E, TABLE 3-3-1.
22. MINIMUMS: INCREASED LNAV ALL CATS MDA/HAT FROM 460/373 TO 660/578 - NEW SURVEY AND NEW CONTROLLING OBSTACLE.
23. MINIMUMS: INCREASED LNAV CATS C/D VISIBILITY FROM 1 TO 1 5/8 SM - INCREASE IN HAT AND 8260.3E, TABLE 3-3-1.
24. MINIMUMS: LOWERED CIRCLING CATS A/B/C MDA/HAA FROM 740/650 TO 700/610 - NEW SURVEY AND NEW CONTROLLING OBSTACLE WITH IMPROVED ACCURACY.
25. MINIMUMS: INCREASED CIRCLING CAT D MDA/HAA FROM 740/650 TO 780/690 - NEW CONTROLLING OBSTACLE.
26. MINIMUMS: INCREASED CIRCLING CAT D VISIBILITY FROM 2 TO 2 1/4 SM - INCREASE IN HAA AND 8260.3E, TABLE 3-3-7.
27. FAS DATA BLOCK INFORMATION: CHANGED LTP/FTP LATITUDE FROM 281315.8925N TO 281257.9420N, LTP/FTP LONGITUDE FROM 0820912.1145W TO 0820912.2240W, LTP/FTP ELLIPSOIDAL HEIGHT FROM -00018 TO -00022, FPAP LATITUDE FROM 281445.2295N TO 281427.2790N, FPAP LONGITUDE FROM 0820911.5705W TO 0820911.6760W, LENGTH OFFSET FROM 1416 TO 0864, AND LTP ORTHOMETRIC HEIGHT/FPAP ORTHOMETRIC HEIGHT FROM +00244 TO +00240 - RWY 1/19 EXTENDED, NEW THRESHOLD LOCATION AND ELEVATION.
28. FAS DATA BLOCK INFORMATION: CHANGED THRESHOLD CROSSING HEIGHT (TCH) FROM 00040.0 TO 00045.0 - TCH CHANGED TO MATCH VGSI TCH.
29. FAS DATA BLOCK INFORMATION: CHANGED CRC REMAINDER FROM A62FC52D TO 631B8F64 - NEW FAS DATA CALCULATION.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

TPA APP CON, ZJX, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

JOHN BORDY

Mar 28, 2024

OFFICE

OFFICE

AJV-A33

DATE

DATE

03/25/2024

DEVELOPED BY

JOHN BORDY (RICHARD BRUCE)

Digitally signed by

JOHN BORDY

Mar 28, 2024

Digitally signed by

APPROVED BY

JOHN BORDY

JOHN BORDY

Mar 28, 2024

OFFICE

AJV-A33

DATE

03/28/2024

TITLE

MANAGER

AIRPORT ID  
ZPH

PROCEDURE NAME  
RNAV (GPS) RWY 1

ORIGINAL/AMENDMENT  
2

CITY  
ZEPHYRHILLS

STATE  
FL

**FAS DATA BLOCK INFORMATION**

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KZPH          |
| RUNWAY                                   | RW01          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W01A          |
| LTP/FTP LATITUDE                         | 281257.9420N  |
| LTP/FTP LONGITUDE                        | 0820912.2240W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | -00022        |
| FPAP LATITUDE                            | 281427.2790N  |
| FPAP LONGITUDE                           | 0820911.6760W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00045.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0864          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 50.0          |
| <br>CRC REMAINDER                        | <br>631B8F64  |

**ADDITIONAL PATH POINT RECORD INFORMATION**

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K7     |
| LTP ORTHOMETRIC HEIGHT  | +00240 |
| FPAP ORTHOMETRIC HEIGHT | +00240 |

