

**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>KHOB        | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 21 | <u>ORIGINAL/AMENDMENT</u><br>2                   | <u>CITY</u><br>HOBBS                      | <u>STATE</u><br>NM         |                           |
| <u>AIRPORT ELEVATION</u><br>3661 | <u>TDZE</u><br>3649                        | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 21           | <u>ORIGINAL/AMENDMENT</u><br>1B           | <u>DATED</u><br>01/04/2018 | <u>MAG VAR</u><br>7E      |
| <u>FACILITY</u><br>RNAV          | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u><br>29 DECEMBER 2022 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      | <u>EPOCH YEAR</u><br>2015 |

**TERMINAL ROUTES**

| FROM                  | FIX TYPE | TO                    | FIX TYPE | LEG TYPE | FO/FB | RNP  | COURSE | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|----------|----------|
| ANEEL                 |          | ZEGBO                 |          | TF       | FB    | 1.00 | 346.04 | 23.24    | 6000     |
| HOB VORTAC            |          | DEKEC                 |          | TF       | FO    | 1.00 | 039.53 | 18.00    | 6000     |
| ZEGBO                 | IAF      | DEKEC                 | NOPT     | TF       | FB    | 1.00 | 298.19 | 6.84     | 6000     |
| DEKEC                 | IF/IAF   | ROBRY                 |          | TF       | FB    | 1.00 | 222.73 | 7.85     | 5500     |
| ROBRY                 | FAF      | KOYES/2.23 NM TO RW21 |          | TF       | FB    | 0.30 | 218.15 | 3.45     |          |
| KOYES/2.23 NM TO RW21 |          | RW21                  | MAP      | TF       | FO    | 0.30 | 218.15 | 2.23     |          |
| RW21                  | MAP      | 3899 MSL              |          | CA       |       |      | 218.15 |          |          |
| 3899 MSL              |          | FIBGA                 |          | DF       | FO    | 1.00 |        |          | 5600     |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW21

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5600 DIRECT FIBGA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD NE DEKEC, RT, 222.73 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 14000.
- 3. **FAC:** 218.15                            **FAF:** ROBRY                            **DIST FAF TO MAP:** 5.68                            **DIST FAF TO THLD:** 5.68
- 4. **MIN ALT:** DEKEC 6000, ROBRY 5500, KOYES/2.23 NM TO RW21 4400
- 5. **DIST TO THLD FROM OM:**                            **MM:**                            **IM:**                            **150 HAT:**                            **250 HAT:** 0.65                            **GS ANT:**
- 6. **MIN GP INCPT:** 5500                            **GP ALT AT PFAF:** ROBRY 5500                            **OM:**                            **MM:**                            **IM:**
- 7. **GP ANGLE:** 3.00                            **34:1:** IS CLEAR                            **20:1:** IS CLEAR                            **TCH:** 44.0
- 8. **MSA FROM:** RW21 6000

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: CIRCLING RWY 17 NA AT NIGHT.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 038.02 INBOUND.  
 CHART FAS OBST: 3767 TOWER (35-001182) 324256N/1031028W.  
 CHART 4095 TOWER 324425N/1030726W.  
 CHART VDP AT 1.02 NM TO RW21.  
 WAAS CHANNEL # 82735  
 REFERENCE PATH ID: W21A  
 CHART CIRCLING ICON.  
 LTP HAE: 1089.7 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY:    | A      |     |         | B      |     |         | C      |       |         | D      |       |         | E      |     |         |
|--------------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-------|---------|--------|-----|---------|
|              | 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       | 3899   | 3/4 | 250     | 3899   | 3/4 | 250     | 3899   | 3/4   | 250     | 3899   | 3/4   | 250     |        |     |         |
| LNAV/VNAV DA | 3899   | 3/4 | 250     | 3899   | 3/4 | 250     | 3899   | 3/4   | 250     | 3899   | 3/4   | 250     |        |     |         |
| LNAV MDA     | 4020   | 1   | 371     | 4020   | 1   | 371     | 4020   | 1     | 371     | 4020   | 1     | 371     |        |     |         |
| CIRCLING     | 4120   | 1   | 459     | 4160   | 1   | 499     | 4440   | 2 1/4 | 779     | 4440   | 2 1/2 | 779     |        |     |         |



**CHANGES - REASONS**

1. ADDED PBN REQUIREMENTS NOTE RNP APCH - GPS. IN ACCORDANCE WITH 8260.19I PARA 8-6-8.
2. DELETED CHART NOTE DME/DME RNP-0.3 NA. - NO LONGER REQUIRED
3. DELETED NOTE \*LNAV ONLY - NO LONGER REQUIRED
4. CHANGED NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C (-7°F) OR ABOVE 53°C (128°F). TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C. - DEGREES FARENHEIT NO LONGER USED, PER NEW TARGETS HIGH TEMPERATURE CALCULATION.
5. ADDED NOTE 20:1 IS CLEAR. - NOW REQUIRED PER 8260.19 PARA 8-6-7.
6. REMOVED CHART NOTE: FOR INOPERATIVE ODALS WHEN USING CARLSBAD ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CATS C/D VIS TO 1 7/8 MILES. - ODALS DECOMMISSIONED
7. RELOCATED BACKUP ALTIMETER DATA TO GENERAL REMARKS - NO LONGER REQUIRED TO BE CHARTED.
8. DELETED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS AND LNAV CATS C/D. - APPROACH LIGHTS DECOMMISSIONED
9. DELETED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CARLSBAD ALTIMETER SETTING - ALTERNATE ALSTG NO LONGER PUBLISHED AS NOTE
10. DELETED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE ALL DA 281 FEET AND ALL MDA 300 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 7/8 MILE, LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 3/4 MILE, AND CIRCLING CAT D - MOVED TO -9 AS CONTINGENCY NOTE
11. CHANGED ZEBGO TO DEKEC LENGTH FROM 6.74NM TO 6.84NM - FIX ZEBGO RELOCATED PER FPT LEG LENGTH CRITERIA FOR ATC VECTORS
12. CHANGED ZEBGO TO DEKEC COURSE FROM 2.98.13 TO 2.98.89 - FIX ZEBGO RELOCATED PER FPT LEG LENGTH CRITERIA FOR ATC VECTORS
13. CHANGES KOYES/2.30NM TO KOYES/2.23NM - FIX RELOCATED 433.84FT WEST FOR OBSTACLE CLEARANCE
14. LNAV CAT A AND B VISIBILITY CHANGED FROM 3/4SM TO 1SM - ODALS DECOMMISSIONED
15. CHANGED LNAV FINAL SDF ALTITUDE FROM 4420 TO 4400 - SDF RELOCATED ALONG GLIDEPATH
16. CHANGED VDP FROM 1.03NM TO 1.02NM
17. CHANGED FPAP COORDINATES FROM 324031.9230N 1031346.6200W TO 324031.9170N 1031346.6130W - DATABASE UPDATE
18. CHANGED CRC REMAINDER FROM C864F524 TO 2AE02906 - DATABASE UPDATE
19. REMOVED CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED - NO LONGER REQUIRED
20. MSA CHANGED FROM 6200 TO 6000 - NEW SURVEY AND CONTROLLING OBSTACLE
21. ADDED BACKUP ALTIMETER NOTE TO PART C GENERAL REMARKS - FOR CONTINGENCY PURPOSES

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZFW, HOB ATCT, AMGR

*Digitally signed by*

**FLIGHT CHECKED BY**  
DEREK RAYMOND NEILL

**ERIC N SUSKI**  
Nov 21, 2022  
*Digitally signed by*

**OFFICE**  
FIOG

**DATE**  
11/20/2022

**DEVELOPED BY**  
ERIC N SUSKI (CHARLES HIRST)

**ERIC N SUSKI**  
Nov 21, 2022  
*Digitally signed by*

**OFFICE**  
AJV-A431

**DATE**  
07/25/2022

**APPROVED BY**  
JOHNNIE BAKER

**ERIC N SUSKI**  
Nov 21, 2022

**OFFICE**  
AJV-A430

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|--|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KHOB          |
| RUNWAY                                   | RW21          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W21A          |
| LTP/FTP LATITUDE                         | 324134.9305N  |
| LTP/FTP LONGITUDE                        | 1031231.8280W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +10897        |
| FPAP LATITUDE                            | 324031.9230N  |
| FPAP LONGITUDE                           | 1031346.6200W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00044.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0496          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 50.0          |
| <br>                                     |               |
| CRC REMAINDER                            | C864F524      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K2     |
| LTP ORTHOMETRIC HEIGHT  | +11114 |
| FPAP ORTHOMETRIC HEIGHT | +11114 |

