

**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>KDTO       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 36R | <u>ORIGINAL/AMENDMENT</u><br>ORIG                | <u>CITY</u><br>DENTON                     | <u>STATE</u><br>TX    |                      |                           |
| <u>AIRPORT ELEVATION</u><br>643 | <u>TDZE</u><br>36R 639<br>36L 636           | <u>SUPERSEDED</u>                                | <u>ORIGINAL/AMENDMENT</u><br>NONE         | <u>DATED</u>          | <u>MAG VAR</u><br>4E | <u>EPOCH YEAR</u><br>2010 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>            | <u>ACTUAL EFFECTIVE DATE</u><br>31 DECEMBER 2020 | <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> |
|------------------------|-----------------|------------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| GREGS                  | IAF             | FIDSU                  |                 | TF              | FB           | 1.00       | 169.16        | 27.69           | 4000            |
| FIDSU                  |                 | WOBOS                  |                 | TF              | FB           | 1.00       | 084.96        | 10.00           | 3000            |
| WOBOS                  | IF              | NULUX                  |                 | TF              | FB           | 1.00       | 357.07        | 7.73            | 2000            |
| NULUX                  | FAF             | SHIEV/2.00 NM TO RW36R |                 | TF              | FB           | 0.30       | 357.06        | 2.15            |                 |
| SHIEV/2.00 NM TO RW36R |                 | RW36R                  | MAP             | TF              | FO           | 0.30       | 357.06        | 2.00            |                 |
| SHIEV/2.00 NM TO RW36R |                 | RW36L                  |                 |                 |              |            |               |                 | 1040            |
| RW36R                  | MAP             | 839 MSL                |                 | CA              |              |            | 357.06        |                 |                 |
| 839 MSL                |                 | ZITAG                  |                 | DF              | FB           | 1.00       |               |                 |                 |
| ZITAG                  |                 | CRAFF                  |                 | TF              | FO           | 1.00       | 282.42        | 10.89           | 4000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW36R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT ZITAG AND ON TRACK 282.42 TO CRAFF AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
16  
CHECKED

PROFILE:

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. PROFILE STARTS AT WOBOS

3. FAF: 357.06                      FAF: NULUX                      DIST FAF TO MAP: 4.15                      DIST FAF TO THLD: 4.15

4. MIN ALT:    WOBOS 3000, NULUX 2000, SHIEV/2.00 NM TO RW36R 1300\*

5. DIST TO THLD FROM OM:                      MM:                      IM:                      150 HAT:                      200 HAT: 0.51                      GS ANT:

6. MIN GP INCPT: 2000                      GP ALT AT FAF : NULUX 2000                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 50.0

8. MSA FROM: RW36R 4000

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 783 TREE 331044N/0971111W.  
HOLD E, RT, 282.42 INBOUND.  
CHART VDP AT 1.14 NM TO RW36R\*  
\*LNAV ONLY.  
WAAS CHANNEL # 87043  
REFERENCE PATH ID: W36A  
CHART CIRCLING ICON.  
LTP HAE: 164.1 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       | 839    | 3/4 | 200     | 839    | 3/4 | 200     | 839    | 3/4   | 200     | 839    | 3/4   | 200     |        |     |         |
| LNAV/VNAV DA | 964    | 1   | 325     | 964    | 1   | 325     | 964    | 1     | 325     | 964    | 1     | 325     |        |     |         |
| LNAV MDA     | 1040   | 1   | 401     | 1040   | 1   | 401     | 1040   | 1 1/8 | 401     | 1040   | 1 1/8 | 401     |        |     |         |
| SIDESTEP 36L | 1040   | 1   | 404     | 1040   | 1   | 404     | 1040   | 1 1/2 | 404     | 1040   | 2     | 404     |        |     |         |
| CIRCLING     | 1100   | 1   | 457     | 1260   | 1   | 617     | 1380   | 2     | 737     | 1380   | 2 1/4 | 737     |        |     |         |

QUALITY  
16  
CHECKED

**CHANGES - REASONS**

08/18/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/08/20.  
1. UPDATED RUNWAY IN THE FAS DATA FROM RW36L TO RW36R

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, REGIONAL APP CON, AMGR

**FLIGHT CHECKED BY**

MATTHEW WILLIAM OLSTAD

*Digitally signed by*

**ALLAN WILL**

Aug 26, 2020

*Digitally signed by*

**ALLAN WILL**

Aug 26, 2020

*Digitally signed by*

**ALLAN WILL**

Aug 26, 2020

**OFFICE**

FIOG

**DATE**

08/11/2020

**DEVELOPED BY**

ALLAN WILL (GREG LINDSEY)

**OFFICE**

AJV-A423

**DATE**

05/08/2020

**APPROVED BY**

MARLON ROBINSON

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|--|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KDTO          |
| RUNWAY                                   | RW36R         |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W36A          |
| LTP/FTP LATITUDE                         | 331133.9080N  |
| LTP/FTP LONGITUDE                        | 0971153.3625W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +01641        |
| FPAP LATITUDE                            | 331303.1625N  |
| FPAP LONGITUDE                           | 0971151.3925W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00050.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0648          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 35.0          |
| <br>                                     |               |
| CRC REMAINDER                            | 594A52A1      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K4     |
| LTP ORTHOMETRIC HEIGHT  | +01911 |
| FPAP ORTHOMETRIC HEIGHT | +01911 |

