

**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> EAST TEXAS RGNL | <u>AIRPORT ID</u> KGGG | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 13 | <u>ORIGINAL/AMENDMENT</u> 1A | <u>CITY</u> LONGVIEW | <u>STATE</u> TX | |
| <u>AIRPORT ELEVATION</u> 366 | <u>TDZE</u> 358 | <u>SUPERSEDED</u> RNAV (GPS) RWY 13 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>DATED</u> 11/20/2008 | <u>MAG VAR</u> 3E | <u>EPOCH YEAR</u> 2010 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 16 JULY 2020 | <u>REQUIRED EFFECTIVE DATE</u> 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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| GGG VORTAC | | BOSME | | TF | FO | 1.00 | 311.17 | 9.74 | 2600 |
| NEVER | | CAPSO | | TF | FB | 1.00 | 252.63 | 10.63 | 2600 |
| GODHO | | EYEPI | | TF | FB | 1.00 | 349.90 | 4.99 | 2600 |
| AWLAR | IAF | BOSME | NOPT | TF | FB | 1.00 | 126.53 | 10.15 | 2600 |
| EYEPI | IAF | BOSME | NOPT | TF | FB | 1.00 | 040.76 | 5.00 | 2600 |
| CAPSO | IAF | BOSME | NOPT | TF | FB | 1.00 | 220.80 | 5.00 | 2600 |
| BOSME | IF/IAF | WALTS | | TF | FB | 1.00 | 130.68 | 6.26 | 2300 |
| WALTS | FAF | TOKUY/2.50 NM TO RW13 | | TF | FB | 0.30 | 130.73 | 3.37 | |
| TOKUY/2.50 NM TO RW13 | | RW13 | MAP | TF | FO | 0.30 | 130.73 | 2.50 | |
| RW13 | MAP | 612 MSL | | CA | | | 130.73 | | |
| 612 MSL | | FANAL | | DF | FO | 1.00 | | | 3000 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT FANAL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
8
CHECKED

PROFILE:

| | | | | | |
|---|---|-----------------|------------------|---------------|------------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NW BOSME, RT, 130.68 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: | 130.73 | FAF: WALT5 | DIST FAF TO MAP: | 5.87 | DIST FAF TO THLD: 5.87 |
| 4. MIN ALT: | BOSME 2600, WALT5 2300, TOKUY/2.50 NM TO RW13 1200* | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 254 HAT: 0.65 | GS ANT: |
| 6. MIN GP INCPT: | 2300 | GP ALT AT FAF : | WALT5 2300 | OM: | MM: |
| 7. GP ANGLE: | 3.00 | 34:1: | IS CLEAR | 20:1: | IS CLEAR |
| | | | TCH: | 41.6 | |
| 8. MSA FROM: | RW13 2800 | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING GILMER ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: VDP NA WHEN USING GILMER ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500, LNAV CAT A/B VISIBILITY TO RVR 5500, AND LNAV CAT D/E VISIBILITY TO 1 1/4 SM.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GILMER ALTIMETER SETTING AND INCREASE LPV DA TO 671 FEET; INCREASE LNAV/VNAV DA TO 785 FEET; INCREASE ALL MDA 60 FEET, AND LNAV CAT C VISIBILITY TO RVR 5000, AND CIRCLING CAT E 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING GILMER ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV CAT E VISIBILITY TO 1 1/4 SM, AND LNAV CATS A/B VISIBILITY TO 5500, AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 SM.
CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 310.88 INBOUND.
CHART FAS OBST: 514 ANTENNA 322407N/0944444W.
DISTANCE TO THLD FROM 254 HAT: 0.65 NM.
CHART VDP AT 1.17 NM TO RW13*
*LNAV ONLY.
WAAS CHANNEL # 61100
REFERENCE PATH ID: W13A
CHART AT OR ABOVE 2300 AT WALT5.
LTP HAE: 82.6 M



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

ALTERNATE: NA ☐ STANDARD - CAT E 800-2 1/2, 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 | 612 | 2400 | 254 | 612 | 2400 | 254 | 612 | 2400 | 254 | 612 | 2400 | 254 | 612 | 2400 | 254 |
| LNAV/VNAV DA | 726 | 4000 | 368 | 726 | 4000 | 368 | 726 | 4000 | 368 | 726 | 4000 | 368 | 726 | 4000 | 368 |
| LNAV MDA | 780 | 2400 | 422 | 780 | 2400 | 422 | 780 | 4000 | 422 | 780 | 5000 | 422 | 780 | 5000 | 422 |
| CIRCLING | 860 | 1 | 494 | 860 | 1 | 494 | 860 | 1 1/2 | 494 | 920 | 2 | 554 | 1080 | 2 1/2 | 714 |

CHANGES - REASONS

1. ADDED "MAX 6000" TO PROFILE, LINE 2 - 8260.19H, 8-6-7, B(2).
2. ADDED "RNP APCH" TO PBN EQUIPMENT REQUIREMENT NOTES - 8260.19H, CH 8, 8-6-8, B(1).
3. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - 8260.19H, CH 8, 8-6-8, N.
4. ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - 8260.19H, 8-6-7, G(3).
5. AMENDED LNAV MDA/HAA FROM "760/402" TO "780/422" - NEW CONTROLLING OBSTACLE.- INCORPORATES T-NOTAM 9/6937.
6. CHANGED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GILMER ALTIMETER SETTING AND INCREASE ALL DA 59 FEET, ALL MDA 60 FEET, INCREASE VISIBILITY LNAV/VNAV ALL CATS, LNAV CAT E AND C1RCLING CAT E 1/4 SM." TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GILMER ALTIMETER SETTING AND INCREASE LPV DA TO 671 FEET; INCREASE LNAV/VNAV DA TO 785 FEET; INCREASE ALL MDA 60 FEET, AND LNAV CAT C VISIBILITY TO RVR 5000, AND CIRCLING CAT E 1/4 SM." - 8260.19H, 8-6-11, N(1)(A)2 AND, NEW VISCHECK RESULTS.
- 7.CHANGED "CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GILMER ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, LNAV/VNAV CAT E VISIBILITY TO RVR 6000, AND LNAV CAT E VISIBILITY TO 1 3/4." TO "CHART NOTE: FOR INOPERATIVE ALS WHEN USING GILMER ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV CAT R VISIBILITY TO 1 1/4 SM, AND LNAV CATS A/B VISIBILITY TO 5500, AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 SM. - NEW VISCHECK RESULTS.
8. CHANGED " CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, LNAV/VNAV CAT E VISIBILITY TO RVR 6000, LNAV CAT D VISIBILITY TO RVR 6000, AND LHAV CAT E VISIBILITY TO 11/2." TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500, LNAV CAT A/B VISIBILITY TO RVR 5500, AND LNAV CAT D/E VISIBILITY TO 1 1/4. - NEW VISCHECK RESULTS.
9. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 48°C (118°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - 8260-19H, 8-6-9, S.
10. CHANGED PROFILE LINE 5 DIST TO THLD FROM 254 HAT: 0.67 TO 0.65 - NEW EVALUATION COMPLETED.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

DEVELOPED BY

DONALD H. LANIER (ZACHARY KRUEGER)

Digitally signed by
DONALD H LANIER

DONALD H LANIER
May 29, 2020

OFFICE
AJV-A431

DATE
02/18/2020

APPROVED BY
GEORGE DAVIS

Digitally signed by
DONALD H LANIER
May 29, 2020

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 | KGGG |
| RUNWAY | RW13 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W13A |
| LTP/FTP LATITUDE | 322327.6820N |
| LTP/FTP LONGITUDE | 0944305.7080W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00826 |
| FPAP LATITUDE | 322224.5500N |
| FPAP LONGITUDE | 0944148.0600W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00041.6 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0008 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | C36D3CCB |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +01090 |
| FPAP ORTHOMETRIC HEIGHT | +01090 |

