

**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> KCWF | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 33 | <u>ORIGINAL/AMENDMENT</u> 1B | <u>CITY</u> LAKE CHARLES | <u>STATE</u> LA | | |
| <u>AIRPORT ELEVATION</u> 17 | <u>TDZE</u> 17 | <u>SUPERSEDED</u> RNAV (GPS) RWY 33 | <u>ORIGINAL/AMENDMENT</u> 1A | <u>DATED</u> 01/30/2020 | <u>MAG VAR</u> 0E | <u>EPOCH YEAR</u> 2025 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 29 DECEMBER 2022 | <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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| CIPDA | IAF | FERDU | NOPT | TF | FB | 1.00 | 041.86 | 10.07 | 2000 |
| GUSTI | IAF | FERDU | NOPT | TF | FB | 1.00 | 297.09 | 7.87 | 2000 |
| FERDU | IF/IAF | GOGNE | | TF | FB | 1.00 | 334.49 | 6.00 | 1700 |
| GOGNE | FAF | RW33 | MAP | TF | FO | 0.30 | 334.45 | 5.05 | |
| RW33 | MAP | 217 MSL | | CA | | | 334.45 | | |
| 217 MSL | | CEVKU | | DF | FO | 1.00 | | | 2000 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT CEVKU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE FERDU, RT, 334.49 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 334.45FAF: GOGNEDIST FAF TO MAP: 5.05DIST FAF TO THLD: 5.05

4. MIN ALT: FERDU 2000, GOGNE 1700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.46GS ANT:

6. MIN GP INCPT: 1700GP ALT AT PFAF : GOGNE 1700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 53.0

8. MSA FROM: RW33 2600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LAKE CHARLES RGNL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAKE CHARLES RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 233 FEET; INCREASE LNAV/VNAV DA TO 283 AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 20 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART: WARRIOR 3 HIGH & LOW MOA.
HOLD NW, RT, 154.39 INBOUND.
FAS OBST: 224 AAO 300909N/0930557W.
CHART VDP AT 1.60 NM TO RW33.
WAAS CHANNEL # 65817
REFERENCE PATH ID: W33A
CHART CIRCLING ICON.
LTP HAE: -22.5 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 | 217 | 3/4 | 200 | 217 | 3/4 | 200 | 217 | 3/4 | 200 | 217 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 494 | 1 3/4 | 477 | 494 | 1 3/4 | 477 | 494 | 1 3/4 | 477 | 494 | 1 3/4 | 477 | | | |
| LNAV MDA | 580 | 1 | 563 | 580 | 1 | 563 | 580 | 1 5/8 | 563 | 580 | 1 5/8 | 563 | | | |
| CIRCLING | 640 | 1 | 623 | 640 | 1 | 623 | 640 | 1 3/4 | 623 | 740 | 2 1/4 | 723 | | | |



CHANGES - REASONS

1. UPDATED MAGVAR FOR KCWF FROM E4 TO E0 - MAGVAR.
2. UPDATED COURSE REVERSAL OUTBOUND COURSE FROM 150.39 TO 154.39 - MAGVAR.
3. UPDATED COURSE FOR CIPDA TO FERDU FROM 037.88 TO 041.86 - MAGVAR.
4. UPDATED COURSE FOR GUSTI TO FERDU FROM 293.09 TO 297.09 - MAGVAR.
5. UPDATED INITIAL COURSE FERDU IAF TO GOGNE FROM 330.49 TO 334.49 - MAGVAR.
6. ADDED COURSE FOR MISSED APPROACH CA LEG TO 334.45 - MAGVAR.
7. UPDATED FAC FROM 330.49 TO 334.45 - MAGVAR.
8. UPDATED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - 8260.19I CRITERIA.
9. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAKE CHARLES RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 233 FEET; INCREASE LNAV/VNAV DA TO 283 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 20 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM - MAINTAIN CONSISTENCY WITH NOTE CURRENTLY PUBLISHED FOR RWY 15. NOTES FOR 15 AND 33 CAN BE MOVED TO DASH 9 AT NEXT AMDENTMENT IN ACCORDANCE WITH WMSCR REPORTING POLICY 8260.19I.
10. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 49°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C" - UPDATED CORRECT TEMPERATURES.
11. COMBINED CHART NOTE "BARO-VNAV NA WHEN USING LAKE CHARLES REGIONAL ALTIMETER SETTING" AND "VDP NA WHEN USING LAKE CHARLES RGNL ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING LAKE CHARLES RGNL ALTIMETER SETTING" - 8260.19I CRITERIA.
12. REMOVED "CHART ASR" - NO LONGER REQUIRED.
13. UPDATED LNAV MDA VISIBILITY FROM 1 3/4 SM TO 1 5/8 - UPDATED VISIBILITY TO CURRENT TARGETS INFORMATION.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, CWF APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE**DATE**

Digitally signed by

ALLAN WILL

Aug 17, 2022

DEVELOPED BY

ALLAN WILL (CHRISTOPHER MENDENHALL)

Digitally signed by

CHRIS MENDENHALL

Aug 15, 2022

OFFICE

AJV-A423

DATE

07/15/2022

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Aug 17, 2022

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCWF |
| RUNWAY | RW33 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W33A |
| LTP/FTP LATITUDE | 301150.3360N |
| LTP/FTP LONGITUDE | 0930809.1620W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00225 |
| FPAP LATITUDE | 301325.8900N |
| FPAP LONGITUDE | 0930901.8100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00053.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 2B17FA8E |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +00050 |
| FPAP ORTHOMETRIC HEIGHT | +00050 |

