

**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> KTOR | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 10 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> TORRINGTON | <u>STATE</u> WY | | |
| <u>AIRPORT ELEVATION</u> 4207 | <u>TDZE</u> 4207 | <u>SUPERSEDED</u> GPS RWY 10 | <u>ORIGINAL/AMENDMENT</u> ORIG-E | <u>DATED</u> 11/04/2021 | <u>MAG VAR</u> 7E | <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> |
|-----------------------|------------------------|-----------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| HOCXU | IAF | WISUS | | TF | FB | 1.00 | 054.25 | 9.43 | 6800 |
| WISUS | | KUVZU | | TF | FB | 1.00 | 054.37 | 9.43 | 6300 |
| KACTI | IAF | KUVZU | | TF | FB | 1.00 | 188.98 | 12.69 | 6300 |
| KUVZU | IF | BIQCI | | TF | FB | 1.00 | 108.29 | 5.43 | 5700 |
| BIQCI | FAF | WOVEB/1.68 NM TO RW10 | | TF | FB | 0.30 | 108.37 | 2.89 | |
| WOVEB/1.68 NM TO RW10 | | RW10 | MAP | TF | FO | 0.30 | 108.37 | 1.68 | |
| RW10 | MAP | 4457 MSL | | CA | | | 108.37 | | |
| 4457 MSL | | CIKSI | | DF | FO | 1.00 | | | 6200 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6200 DIRECT CIKSI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT KUVZU

3. FAC: 108.37

FAF: BIQCI

DIST FAF TO MAP: 4.57

DIST FAF TO THLD: 4.57

4. MIN ALT: KUVZU 6300, BIQCI 5700, WOVEB/1.68 NM TO RW10 4780

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.67

GS ANT:

6. MIN GP INCPT: 5700

GP ALT AT PFAF : BIQCI 5700

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 40.0

8. MSA FROM: RW10 6900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOCXU ON V547 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KACTI ON V247 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 288.59 INBOUND.
CHART FAS OBST: 4360 TOWER (56-000325) 420456N/1041137W.
WAAS CHANNEL # 61344
REFERENCE PATH ID: W10A
LTP HAE: 1264.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 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 | 4457 | 1 | 250 | 4457 | 1 | 250 | 4457 | 1 | 250 | 4457 | 1 | 250 | | | |
| LNAV/VNAV DA | 4468 | 1 | 261 | 4468 | 1 | 261 | 4468 | 1 | 261 | 4468 | 1 | 261 | | | |
| LNAV MDA | 4660 | 1 | 453 | 4660 | 1 | 453 | 4660 | 1 3/8 | 453 | 4660 | 1 3/8 | 453 | | | |
| CIRCLING | 4740 | 1 | 533 | 4740 | 1 | 533 | 4880 | 2 | 673 | 4960 | 2 1/2 | 753 | | | |



CHANGES - REASONS

1. CHANGED APPROACH TYPE FROM GPS TO RNAV (GPS) - NEW CRITERIA NO LONGER SUPPORTS GPS ONLY AND ATC REQUEST
2. CHANGED MSA ALTITUDE FROM 6700 TO 6900 - NEW CONTROLLING OBSTACLE
3. ADDED RNAV WAAS CHANNEL 61344 TO ADDITIONAL FLIGHT DATA - NOW REQUIRED FOR PROCEDURE
4. ADDED REFERENCE PATH ID W10A TO ADDITIONAL FLIGHT DATA - NOW REQUIRED FOR PROCEDURE
5. CHANGED MISSED FROM "CLIMB TO 6500 VIA 104 COURSE TO CIKSI WP AND HOLD" TO "CLIMB TO 6200 DIRECT CIKSI AND HOLD" - VIA NO LONGER USED IN MA
6. ADDED 4 DEGREES TO ALL HEADINGS - MAGVAR CHANGED FROM 11E TO 7E
7. ADDED LPV, LNAV/VNAV MINIMA - ATC REQUEST
8. CHANGED S-10 GPS MINIMA TO LNAV NONPRECISION MINIMA - GPS APPROACH NO LONGER USED
9. ADDED SDF TO LNAV FINAL - TO MAINTAIN CURRENT MINIMA
10. ADDED SDF TO INITIAL SEGMENT - TO AVOID EXCESSIVE DG TO IF
11. MOVED BACKUP ALTIMETER NOTE TO GENERAL REMARKS - FOR CONTINGENCY PURPOSES
12. ADDED 20:1 AND 34:1 SURFACES CLEAR TO LINE 7 OF PROFILE VIEW - ALL SURFACES CLEAR
13. ADDED PBN REQUIREMENTS NOTE RNP APCH GPS - PER 8260.19I, 8-6-8
14. ADDED ALTERNATE MINIMA STANDARD CAT D 800-2 1/2 NA WHEN LOCAL WEATHER NOT AVAILABLE - ALTERNATE MINIMA AUTHORIZED
15. DELETED NOTE PROCEDURE NA AT NIGHT - 20:1 NOW CLEAR
16. DELETED NOTE HELICOPTER VISIBILITY REDUCTION BELOW 1SM NA - 20:1 NOW CLEAR
17. ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C OR ABOVE 54C - NEW WEATHER STUDY AND LNAV/VNAV MINIMA
18. INCREASED CIRCLING CAT D VISIBILITY FROM 2 1/4SM TO 2 1/2SM - PER 8260.3 TABLE 3-3-7
19. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT KACTI ON V247 NORTHWEST BOUND - PER 8260.19 8-2-5
20. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT HOCXU ON V547 SOUTHEAST BOUND - PER 8260.19 8-2-5
21. CIRCLING CAT D MDA/HAA CHANGED FROM 4920/713 TO 4960/753 - NEW CONTROLLING OBSTACLE

COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ARPT MGR, ZDV ARTCC, CPR FSS

FLIGHT CHECKED BY

CHRISTOPHER R VANDEVEER

OFFICE

FPO

DATE

11/02/2022

Digitally signed by

ERIC N SUSKI

Nov 04, 2022

DEVELOPED BY

ERIC N SUSKI (CHARLES HIRST)

OFFICE

AJV-A431

DATE

08/25/2022

Digitally signed by

ERIC N SUSKI

Oct 03, 2022

APPROVED BY

JOHNNIE BAKER

OFFICE

AJV-A430

DATE

Digitally signed by

ERIC N SUSKI

Oct 03, 2022

TITLE
MANAGERQUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KTOR |
| RUNWAY | RW10 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W10A |
| LTP/FTP LATITUDE | 420401.7780N |
| LTP/FTP LONGITUDE | 1040950.2965W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +12641 |
| FPAP LATITUDE | 420323.4800N |
| FPAP LONGITUDE | 1040802.2835W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1008 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| | |
| CRC REMAINDER | 0CF0BF1C |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K1 |
| LTP ORTHOMETRIC HEIGHT | +12816 |
| FPAP ORTHOMETRIC HEIGHT | +12816 |

