

**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> KSPW | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 12 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> SPENCER | <u>STATE</u> IA | | |
| <u>AIRPORT ELEVATION</u> 1339 | <u>TDZE</u> 1339 | <u>SUPERSEDED</u> RNAV (GPS) RWY 12 | <u>ORIGINAL/AMENDMENT</u> ORIG-A | <u>DATED</u> 05/21/2020 | <u>MAG VAR</u> 5E | <u>EPOCH YEAR</u> 1985 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| ISLER | | KOMDE | | TF | FB | 1.00 | 197.78 | 16.13 | 4000 |
| COPYE | | OKKIH | | TF | FB | 1.00 | 048.56 | 22.34 | 4000 |
| KOMDE | IAF | YAYDU | NOPT | TF | FB | 1.00 | 211.15 | 7.30 | 4000 |
| OKKIH | IAF | YAYDU | NOPT | TF | FB | 1.00 | 031.02 | 7.30 | 4000 |
| YAYDU | IF/IAF | HEPON | | TF | FB | 1.00 | 121.09 | 6.67 | 3500 |
| HEPON | FAF | CISOS/2.87 NM TO RW12 | | TF | FB | 0.30 | 121.16 | 3.77 | |
| CISOS/2.87 NM TO RW12 | | RW12 | MAP | TF | FO | 0.30 | 121.16 | 2.87 | |
| RW12 | MAP | 1539 MSL | | CA | | | 121.16 | | |
| 1539 MSL | | ONUWA | | DF | FO | 1.00 | | | 4000 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT ONUWA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. HOLD NW YAYDU, RT, 121.09 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 121.16 FAF: HEPON DIST FAF TO MAP: 6.63 DIST FAF TO THLD: 6.63

4. MIN ALT: YAYDU 4000, HEPON 3500, CISOS/2.87 NM TO RW12 2300

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.48 GS ANT:

6. MIN GP INCPT: 3500 GP ALT AT FAF : HEPON 3500 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 48.8

8. MSA FROM: RW12 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ESTHERVILLE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ISLER ON T348 EASTBOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING: INCREASE LPV DA TO 1599 FEET, LNAV/VNAV DA TO 1650 FEET; INCREASE ALL MDAS 60 FEET, AND VISIBILITY LNAV CAT C/D 1/8 SM, AND CIRCLING CAT C/D 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ESTHERVILLE ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND LNAV CATS C/D TO 1 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM AND LNAV CAT C/D TO 1 SM.

ADDITIONAL FLIGHT DATA:

CHART CRYPT NORTH MOA
CHART MINNEAPOLIS CENTER FREQUENCY.
HOLD SE, RT, 301.42 INBOUND.
CHART FAS OBST: 1446 TREE (19-062427) 431155N/0951512W.
CHART 1932 WINDMILL 431344N/0952035W, 1514 TRANSMISSION_LINE 431220N/0951516W.
CHART VDP AT 0.99 NM TO RW12.
WAAS CHANNEL # 56517
REFERENCE PATH ID: W12A
CHART CIRCLING ICON.
LTP HAE: 379.5 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 | | |
|-------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|
| 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 | 1539 | 1/2 | 200 | 1539 | 1/2 | 200 | 1539 | 1/2 | 200 | 1539 | 1/2 | 200 | | | |
| LNAV/VNAV DA | 1590 | 1/2 | 251 | 1590 | 1/2 | 251 | 1590 | 1/2 | 251 | 1590 | 1/2 | 251 | | | |
| LNAV MDA | 1700 | 1/2 | 361 | 1700 | 1/2 | 361 | 1700 | 5/8 | 361 | 1700 | 5/8 | 361 | | | |
| CIRCLING | 1760 | 1 | 421 | 1800 | 1 | 461 | 2100 | 2 1/4 | 761 | 2100 | 2 1/2 | 761 | | | |

CHANGES - REASONS

1. REMOVED FEEDER "OTG (WORTHINGTON)" AND ADDED FIX "ISLER WP" - VOR MON PROGRAM DECOMMISSIONS.
 2. AMENDED COURSE/DISTANCE FOR TERMINAL ROUTE COPYE TO OKKIH FROM "046.91/24.54" TO "048.56/22.34" - MOVED OKKIE 2.3 NM NE PER FPT CHECKLIST AND TCH CHANGED.
 3. AMENDED COURSE/DISTANCE FOR TERMINAL ROUTE KOMDE TO YAYDU FROM "211.13/5.00" TO "211.15/7.30" - MOVED KOMDE 2.3 NM NE PER FPT CHECKLIST AND TCH CHANGED.
 4. AMENDED COURSE/DISTANCE FOR TERMINAL ROUTE OKKIH TO YAYDU FROM "031.03/5.00" TO "031.02/7.30" - MOVED OKKIH 2.3 NM NE PER FPT CHECKLIST AND TCH CHANGED.
 5. AMENDED COURSE/DISTANCE FOR TERMINAL ROUTE YAYDU TO HEPON FROM "121.08/6.80" TO "121.09/6.67" - FAF RELOCATION AND TCH CHANGED.
 6. AMENDED COURSE/DISTANCE FOR TERMINAL ROUTES HEPON TO CISOS FROM "121.17/460" TO "121.16/3.77" AND CISOS TO RW12 FROM "121.17/1.90" TO "121.16/2.87" - STD INCREASED TO 2300 PER FPT CHECKLIST AND TCH CHANGED.
 7. AMENDED COURSE CA LEG FROM "121.17" TO "121.16" - DUE TO TCH CHANGED.
 8. AMENDED H-I-L INBOUND COURSE FROM "121.08" TO "121.09" ON LINE 2 - FAF RELOCATION AND TCH CHANGED.
 9. AMENDED FAC FROM "121.17" TO "121.16", DIST FAF TO MAP/THLD FROM "6.50" TO "6.63" ON LINE 3 - TCH CHANGED.
 10. AMENDED LNAV STEPDOWN MINIMUM ALT FROM "2000" TO "2300" AND DIST FROM "2.81 NM" TO "2.87 NM" ON LINE 4 - DUE TO TCH CHANGED.
 11. AMENDED DIST TO THLD/200 HAT FROM 0.45" TO "0.48" ON LINE 5 - DUE TO TCH CHANGED.
 12. AMENDED TCH FROM "53.0" TO "48.8" - DUE TO TCH CHANGED.
 13. AMENDED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B.
 14. AMENDED CHART FAS OBST FROM "1423 TRANSMISSION_LINE 431126N/0951516W" TO "1446 TREE (19-062427) 431155N/0951512W" - NEW OBSTACLE FOUND.
 15. ADDED "1514 TRANSMISSION_LINE 431220N/0951516W" TO ADDITIONAL FLIGHT DATA - NEW 7:1 OBSTACLE FOUND.
 16. AMENDED VDP DISTANCE FROM "1.12 NM" TO "0.99 NM" AND REMOVED "*" - TCH CHANGED AND 8260.19I PARAGRAPH 8-6-10M.
 17. REMOVED "LNAV ONLY" FROM ADDITIONAL FLIGHT DATA - 8260.19I PARAGRAPH 8-6-10M.
 18. TERMINAL ROUTES FOR THE FIX CISOS CHANGED FROM "CISOS/1.90 NM TO RW12" TO "CISOS/2.87 NM TO RW12" - CISOS RELOCATED.
 19. AMENDED BARO-VNAV NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C" - AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2016-2020).
 20. AMENDED INOPERATIVE ALS NOTE FROM "INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C/D TO 1 1/8 SM" TO "INCREASE LNAV/VNAV ALL CATS 3/4 SM VISIBILITY AND LNAV CAT C/D TO 1 SM" - NEW VISCHEK EVALUATION.
 21. AMENDED LNAV/VNAV DA/HAT ALL CATS FROM "1734/395" TO "1590/251" AND LNAV MDA/HAT ALL CATS FROM "1740/401" TO "1700/361" - 8260.3E TABLE 3-3-1.
 22. AMENDED LNAV/VNAV VISIBILITY ALL CATS FROM "3/4" TO "1/2", LNAV VISIBILITY CAT C FROM "3/4" TO "5/8" AND CAT D FROM "1" TO "5/8" - 8260.3E TABLE 3-3-7.
 23. AMENDED CIRCLING CAT A MDA/HAA FROM "1740/401" TO "1760/421" - REVISED OBSTACLE.
 24. AMENDED FAS DATA LTP LATITUDE/LONGITUDE FROM "431014.6055N/0951243.7855W" TO "431014.6060N/0951243.7850W" - BASED ON UPDATED DATA.
 25. AMENDED FPAP LATITUDE/LONGITUDE FROM "430921.8950N/0951105.6195W" TO "430921.9015N/0951105.6130W" - BASED ON UPDATED DATA.
 26. AMENDED THRESHOLD CROSSING HEIGHT (TCH) FROM "00053.0" TO "00048.8" - BASED ON UPDATED DATA.
 27. CRC REMAINDER CHANGED FROM "4FB549ED" TO "F1B6F0BD" - DUE TO LTP FAS DATA CHANGES.
 28. ADDED "CHART CRYPT NORTH MOA" TO ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10.I
 29. ADDED "CHART MINNEAPOLIS CENTER FREQUENCY" TO THE ADDITIONAL FLIGHT DATA - 8260.19I 8-2-4.B(1).
 30. ADDED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT ISLER ON T348 EASTBOUND" - 8260.19I 8-2-5.E
 31. REMOVED "*" FROM LINE 4 - 8260.19I PARAGRAPH 8-6-10M.
 32. MOVED BACK-UP ALTIMETERS NOTES FROM "BACK OF -9" TO "NOTES" - PER FPT REQUEST.
- THIS CANCELS T-NOTAM 1/7220.

AIRPORT ID
KSPW

PROCEDURE NAME
RNAV (GPS) RWY 12

ORIGINAL/AMENDMENT
1

CITY
SPENCER

STATE
IA

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR

FLIGHT CHECKED BY

BRIAN P CARSON

Digitally signed by

CASIMIR L TABAKA

Nov 10, 2021

OFFICE

FPO

DATE

10/29/2021

DEVELOPED BY

ANA VEGA

Digitally signed by

ANA Y VEGA

Sep 21, 2021

OFFICE

AJV-A411

DATE

08/03/2021

APPROVED BY

JULIE MORGAN

Digitally signed by

CASIMIR L TABAKA

Sep 29, 2021

OFFICE

AJV-A410

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KSPW |
| RUNWAY | RW12 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W12A |
| LTP/FTP LATITUDE | 431014.6060N |
| LTP/FTP LONGITUDE | 0951243.7850W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +03795 |
| FPAP LATITUDE | 430921.9015N |
| FPAP LONGITUDE | 0951105.6130W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00048.8 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0920 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| | |
| CRC REMAINDER | F1B6F0BD |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K3 |
| LTP ORTHOMETRIC HEIGHT | +04080 |
| FPAP ORTHOMETRIC HEIGHT | +04080 |