

**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> 84D | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 31 | <u>ORIGINAL/AMENDMENT</u> 1 | <u>CITY</u> EAGLE BUTTE | <u>STATE</u> SD |
| <u>AIRPORT ELEVATION</u> 2449 | <u>TDZE</u> 2449 | <u>SUPERSEDED</u> RNAV (GPS) RWY 31 | <u>ORIGINAL/AMENDMENT</u> ORIG-B | <u>DATED</u> 08/10/2023 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>MAG VAR</u> 5E |
| | | | | <u>EPOCH YEAR</u> 2030 |
| | | | | <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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| JOBOD | | ERENE | | TF | FB | 1.00 | 184.79 | 16.25 | 4500 |
| ERENE | IAF | OJPOT | NOPT | TF | FB | 1.00 | 233.13 | 4.09 | 4100 |
| TUZCO | IAF | OJPOT | NOPT | TF | FB | 1.00 | 314.71 | 9.95 | 4100 |
| OJPOT | IF/IAF | CEYMU | | TF | FB | 1.00 | 310.06 | 4.85 | 4100 |
| CEYMU | FAF | RW31 | MAP | TF | FO | 0.30 | 310.00 | 5.07 | |
| RW31 | MAP | 4100 MSL | | CA | | | 310.00 | | 4100 |
| 4100 MSL | | OJPOT | | DF | FO | 1.00 | | | 4100 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4100 THEN LEFT TURN DIRECT OJPOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE OJPOT, RT, 320.66 INBOUND, 4100 IN LIEU OF PT (IAF), MAX 6000.
- FAC: 310.00 FAF: CEYMU DIST FAF TO MAP: 5.07 DIST FAF TO THLD: 5.07
- MIN ALT: OJPOT 4100, CEYMU 4100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 479 HAT: 1.38 GS ANT: IM:
- MIN GP INCPT: 4100 GP ALT AT PFAF: CEYMU 4100 OM: MM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 38.3
- MSA FROM: RW31 4100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TUZCO ON V120 SOUTHEAST BOUND.
CHART NOTE: USE PIR ALTIMETER SETTING; WHEN NOT RECIEVED, PROCEDURE NA.

ADDITIONAL FLIGHT DATA:

CHART PIR ASOS.
FAS OBST: 2528 TREE 445839N/1011521W.
WAAS CHANNEL # 69647
REFERENCE PATH ID: W31A
LTP HAE: 725.1 M

MINIMUMS:

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

ALTERNATE: NA

| 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 | 2928 | 1 3/8 | 479 | 2928 | 1 3/8 | 479 | | NA | | | NA | | | | | |
| LNAV/VNAV DA | 2928 | 1 3/8 | 479 | 2928 | 1 3/8 | 479 | | NA | | | NA | | | | | |
| LNAV MDA | 3020 | 1 | 571 | 3020 | 1 | 571 | | NA | | | NA | | | | | |
| CIRCLING | 3240 | 1 | 791 | 3240 | 1 | 791 | | NA | | | NA | | | | | |

CHANGES - REASONS

1. TERMINAL ROUTES JOBOD TO ERENE: CHANGED COURSE FROM 180.78 TO 184.78 AND REMOVED NOPT FROM FIX TYPE - 8260.19K 8-6-4, MAGVAR UPDATE FROM 9E/1995 TO 5E/2030.
2. TERMINAL ROUTES ERENE TO OJPOT: CHANGED COURSE FROM 226.73 TO 223.13 AND DISTANCE FROM 5.00 TO 4.09 - MAGVAR UPDATED AND OJPOT MOVED 5627 FEET NE.
3. TERMINAL ROUTES TUSCO TO OJPOT: CHANGED COURSE/DISTANCE FROM 305.37/9.91 TO 314.71/9.95 - MAGVAR UPDATED AND OJPOT RELOCATED.
4. TERMINAL ROUTE OJPOT TO CEYMU: CHANGED COURSE/DISTANCE FROM 316.66/5.03 TO 310.06/4.85 - OJPOT RELOCATED, CEYMU RELOCATED 539 FEET SE AND MAGVAR UPDATED.
5. TERMINAL ROUTES CEYMU TO RW31: CHANGE COURSE/DISTANCE FROM 306.00/4.98 TO 310 00/5.07.
6. PROFILE VIEW LINE 2: CHANGED FROM HOLD SE OJPOT, RT, 316.66 INBOUND, 4100 IN LIEU OF PT (IAF), MAX 6000 TO HOLD SE OJPOT, RT, 320.66 INBOUND, 4100 IN LIEU OF PT (IAF), MAX 6000 - UPDATED MAGVAR.
7. PROFILE VIEW LINE 3: FAC CHANGED FROM 306.00 TO 310.00 AND DIST FAF TO MAP/DIST FAF TO THLD CHANGED FROM 4.98/4.98 TO 5.07/5.07 - FAF/PFAF CEYMU FIX RELOCATED, MAVAR UPDATED.
8. PROFILE VIEW LINE 4: ADDED 479 HAT: 1.38 - LPV LINE OF MINIMUMS ADDED TO PROCEDURE.
9. PROFILE VIEW LINE 7: GP ANGLE ADDED 3.00, ADDED 20:1 IS CLEAR AND TCH ADDED 38.3 - REDESIGN, FAF MOVED AND NO 20:1 PENETRATIONS.
10. NOTES: REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - PROCEDURE REDESIGNED, GPA AND TCH UPDATED.
11. CHART NOTE CHANGED FROM USE PIERRE ALTIMETER SETTING TO USE PIR ALTIMETER SETTING; WHEN NOT RECIEVED, PROCEDURE NA - 8260.19K 8-3-4.D(2).
12. ADDITIONAL FLIGHT DATA: DELETED CEYMU WP TO RW31: 3.04/45 - PRECISION LINE OF MINIMUMS ADDED.
13. FAS OBST CHANGED FROM 2627 TREE 445840/1011518 TO 2528 TREE 445839N/1011521W - REDESIGN AND REEVALUATION.
14. MINIMUMS: ADDED LINES OF MINS LPV AND LNAV/VNAV - PER FPT.
15. MINIMUMS: CIRCLING CAT B VISIBILITY REDUCED FROM 1 1/4 TO 1 - 8260.3G TABLE 3-3-7.
16. ADDITIONAL FLIGHT DATA: ADDED WAAS CHANNEL # 69647 AND REFERENCE PATH ID: W31A AND LTP HAE: 725.1 M - LPV AND LNAV/VNAV MINIMUMS ADDED.
17. FAS DATA BLOCK INFORMATION ADDED, CRC REMAINDER IS 21079450 - LPV LINE OF MINIMUMS ADDED.
18. ADDITIONAL FLIGHT DATA: ADDED CHART PIR ASOS - 8260.19K 8-2-4.B(3).



AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

ORIGINAL/AMENDMENT
1

CITY
EAGLE BUTTE

STATE
SD

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZMP, HON FSS, AMGR

FLIGHT CHECKED BY

NATHAN J CHOTT

Digitally signed by

RAKE MCGRAW

Mar 05, 2026

OFFICE

AJF

DATE

03/04/2026

DEVELOPED BY

RAYMOND JOHNSON

Digitally signed by

RAKE MCGRAW

Mar 05, 2026

OFFICE

AJV-A422

DATE

10/27/2025

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Mar 05, 2026

OFFICE

AJV-A422

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
84D
RW31
0
0
W31A
445849.1145N
1011443.0795W
+07251
445952.0355N
1011611.9600W
00038.3
F
03.00
106.75
1472
40.0
50.0

CRC REMAINDER

21079450

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K3
+07464
+07464



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

| <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| 84D | RNAV (GPS) RWY 31 | 1 | EAGLE BUTTE | SD | 2449 | RNAV |

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM JOBOD **TO** ERENE

RNP 1.00 **DISTANCE** 16.25 **PAT** **MAP** **HAT** **HMAS**

| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 450215.00N/1005548.00W | 2596 | 215 | 8 | 4B | 1000 | | | | AT904 | 4500 |
| TERRAIN | 450215.00N/1005548.00W | 2395 (2400) | | | | | | | | AS1500 | 3900 |

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INITIAL

FROM ERENE **TO** OJPOT

RNP 1.00 **DISTANCE** 4.09 **PAT** **MAP** **HAT** **HMAS**

| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 445554.00N/1010212.00W | 2277 | 215 | 8 | 4B | 1000 | | | | AT823 | 4100 |
| TERRAIN | 445503.00N/1010412.00W | 2076 (2100) | | | | | | | | AS1500 | 3600 |

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

39
CHECKED

AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

INITIAL

FROM
TUZCO

TO
OJPOT

RNP
1.00

DISTANCE
9.95

PAT

MAP

HAT

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 445136.00N/1010436.00W | 2267 | 215 | 8 | 4B | 1000 | | | | AT833 | 4100 |
| TERRAIN | 445136.00N/1010439.00W | 2066 (2100) | | | | | | | | AS1500 | 3600 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
OJPOT (IF/IAF)

TO
CEYMU

RNP
1.00

DISTANCE
4.85

PAT

MAP

HAT

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 445530.00N/1010851.00W | 2353 | 215 | 8 | 4B | 500 | | | | AT1247 | 4100 |
| TERRAIN | 445530.00N/1010851.00W | 2152 (2200) | | | | | | | | AS1500 | 3700 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

FINAL: LPV

FROM
CEYMU

TO
RW31

RNP
0.30

DISTANCE
5.07

PAT

MAP
DA

HAT
479

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| FENCE (46-020858) | 445849.57N/1011436.87W | 2458 | 50 | 20 | 2C | | 34:1 | | | RA229 | 2928 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM
CEYMU

TO
RW31

RNP
0.30

DISTANCE
5.07

PAT

MAP
DA

HAT
479

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|--------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| | | | | | | | ASC | | | RA229 | 2928 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
CEYMU

TO
RW31

RNP
0.30

DISTANCE
5.07

PAT

MAP
RW31

HAT
571

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| TREE | 445839.00N/1011521.00W | 2528 | 215 | 8 | 4B | 250 | | | | RA229 | 3020 |



COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

HOLD-IN-LIEU OF PT

FROM
OJPOT

TO
P-6

RNP

DISTANCE

PAT
P-6

MAP

HAT

HMAS

| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 445724.00N/1010718.00W | 2491 | 215 | 8 | 4B | 1000 | | | | AT609 | 4100 |
| TERRAIN | 445724.00N/1010718.00W | 2290 (2300) | | | | | | | | AS1500 | 3800 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM
DA

TO
OJPOT

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
2512

| <u>OBSTRUCTION</u> | <u>COORDINATES</u> | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| | | | | | | | ASC | | | | 4100 |
| TOWER (46-039763) | 450131.90N/1011423.50W | 3018 | 250 | 50 | 4D | 1000 | | | | | 4100 |
| TERRAIN | 445757.00N/1011309.00W | 2490 (2500) | | | | | | | | AS1500 | 4000 |

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
OJPOT

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
0.30

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| | | | | | | | ASC | | | | 4100 |
| TOWER (46-039763) | 450131.90N/1011423.50W | 3018 | 250 | 50 | 4D | 1000 | | | | | 4100 |
| TERRAIN | 445757.00N/1011309.00W | 2490 (2500) | | | | | | | | AS1500 | 4000 |

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW31 **TO**
OJPOT

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
0.30-1.00 2691

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| | | | | | | | ASC | | | | 4100 |
| TOWER (46-039763) | 450131.90N/1011423.50W | 3018 | 250 | 50 | 4D | 1000 | | | | | 4100 |
| TERRAIN | 445757.00N/1011309.00W | 2490 (2500) | | | | | | | | AS1500 | 4000 |

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

| OBSTRUCTION | COORDINATES | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|--------|-----|----------|------|------|----|-----|-----|-------------|---------|
| CATEGORY A | | | | | | | | | | | |
| TOWER (46-000032) | 450027.00N/1011451.00W | 1.33 | 791 | 2702 | 100 | 20 | 3C | 300 | | RA229 | 3240 |
| CATEGORY B | | | | | | | | | | | |
| TOWER (46-000032) | 450027.00N/1011451.00W | 1.89 | 791 | 2702 | 100 | 20 | 3C | 300 | | RA229 | 3240 |

CIRCLING REMARKS:

MSA

CENTER RW31 **RADIUS** 25

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | TOWER (46-039763) | 450131.90N/1011423.50W | 360 | 2.7 | 3018 | 250 | 50 | 4D | 1000 | | | 4100 |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, HON FSS

| | | | | | | |
|---------------------------|------------------------|----------------------------|--------------------------------|--------------------------|-------------------|---------------------------|
| WX SERVICE ASOS | LOCATION PIR | HRS OPERATION 24 | ALTIMETER SOURCE PIR | DISTANCE 54.79 | WMSCR Y | ADJUSTMENTS 229 |
|---------------------------|------------------------|----------------------------|--------------------------------|--------------------------|-------------------|---------------------------|

| | | | | | | |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|
| BACK-UP WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | WMSCR | ADJUSTMENTS |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K84D 2449, KPIR 1720
RA = 228.3.

| | | | |
|-----------------------|----------------------|----------------------|------------|
| PRIMARY NAVAID | MONITOR POINT | HRS OPERATION | CAT |
|-----------------------|----------------------|----------------------|------------|

| APPROACH AND RUNWAY LIGHTING SYSTEM | RUNWAY MARKINGS | RUNWAY VISUAL RANGE |
|-------------------------------------|-----------------|---------------------|
| RW13 - MIRL (PCL), PAPI-2L (PCL) | NPI-G | |
| RW31 - MIRL (PCL), PAPI-2L (PCL) | NPI-G | |



| | | | | | | |
|---------------------------------|-------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|
| GLIDESLOPE ANGLE 3.00 | ELEV RWY THRESHOLD 2448.8 | TCH 38.3 | ELEV GS ANTENNA | DISTANCE FROM RWY | VGSI ANGLE 3.00 | TCH 38.3 |
|---------------------------------|-------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|

AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

FINAL APPROACH COURSE AIMING

| | | | |
|------------------|-------------------------------------|--------------------|------------------------------|
| RUNWAY THRESHOLD | <input checked="" type="checkbox"/> | FT FROM THRESHOLD | DISPLACED THRESHOLD DISTANCE |
| ON CENTERLINE | <input checked="" type="checkbox"/> | FT FROM CENTERLINE | |

CRITICAL TEMPERATURES

| | | | |
|----------------------------|-----------------------------|-------------------|-----------------------|
| <u>CRITICAL LOW</u> | <u>CRITICAL HIGH</u> | <u>ACT</u> | <u>APT ISA</u> |
| -18C | +54C | -19C | +10.15C |

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 733 HIGH TEMP 1162.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

CLASS E AIRSPACE 24 HRS TAA NOT DEVELOPED.
TREE VEGETATION HEIGHT 60 FEET PER FPT

VDP NOT PUBLISHED: FULL TIME REMOTE ALTIMETER IN USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID
84D

PROCEDURE NAME
RNAV (GPS) RWY 31

AMDT NO.
1

CITY
EAGLE BUTTE

STATE
SD

AIRPORT ELEVATION
2449

FACILITY
RNAV

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

| | | | |
|------------------------|-------|--|--------|
| DISTANCE FROM | THLD | TO 1000FT POINT | 3.18 |
| WIDTH OF | FINAL | SEGMENT AT 1000FT POINT | 1.20 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1000FT POINT | 315.00 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 2500 |
| DISTANCE FROM | THLD | TO 1500FT POINT | 4.87 |
| WIDTH OF | FINAL | SEGMENT AT 1500FT POINT | 1.95 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1500FT POINT | 315.00 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 2500 |

| | |
|---|----------------------------|
| THRESHOLD COORDINATES (IF STR-IN) | 445849.11N/1011443.08W |
| ARP COORDINATES | 445903.76N/1011503.76W |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 31 DISTANCE 0.35 NM |
| FAF COORDINATES | 445514.35N/1010940.32W |
| FIX NAME COORDINATES | |

REMARKS

PART E: PREPARED BY

| | | | |
|-----------------|---------------|-------------|-------------------------------------|
| <u>NAME</u> | <u>OFFICE</u> | <u>DATE</u> | <u>TITLE</u> |
| RAYMOND JOHNSON | AJV-A422 | 10/27/2025 | AERONAUTICAL INFORMATION SPECIALIST |

