

**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.

AIRPORT ID OGA	PROCEDURE NAME RNAV (GPS) RWY 13	ORIGINAL/AMENDMENT ORIG-E	CITY OGALLALA	STATE NE
AIRPORT ELEVATION 3279	TDZE 3279	SUPERSEDED RNAV (GPS) RWY 13	DATED 12/05/2019	MAG VAR 7E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2015
			CANCEL/SUSPEND	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 047/30 CW 227/30	NOPT	047/8 CW 227/8		5700
2. 047/8 CW 227/8		WUVIR	IF/IAF	5400
3. 227/30 CW 047/30		WUVIR	IF/IAF	5400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WUVIR	IF/IAF	AYAYO		TF	FB	1.00	137.08	6.00	5300
AYAYO	FAF	ZASDA/3.40 NM TO RW13		TF	FB	0.30	137.13	2.82	
ZASDA/3.40 NM TO RW13		RW13	MAP	TF	FO	0.30	137.13	3.40	
RW13	MAP	3679 MSL		CA			137.13		
3679 MSL		KUYEL		DF	FO	1.00			5500

MISSED APPROACH

MAP:

LP: RW13
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5500 DIRECT KUYEL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | |
|---|---------------------------|-----------------------|------------------------------|-------------------------------|-----------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NW WUVIR, RT, 137.08 INBOUND, 5400 IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 137.13 | FAF: AYAYO | | DIST FAF TO MAP: 6.22 | DIST FAF TO THLD: 6.22 | |
| 4. MIN ALT: WUVIR 5400, AYAYO 5300, ZASDA/3.40 NM TO RW13 4480 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | |
| 6. MIN GP INCPT: | GP ALT AT FAF: | | TCH: | OM: | MM: IM: |
| 7. GP ANGLE: | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | | | |
| 8. MSA FROM: | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: VDP NA WHEN USING IML ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IML ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LP VISIBILITY CAT B 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 317.28 INBOUND.
 CHART FAS OBST: 3977 TOWER (31-000683) 411037N/1014828W.
 FAS OBST: 3689 TREE 411004N/1014758W.
 CHART 3926 TOWER (31-000547) 411037N/1014821W.
 CHART VDP AT 1.66 NM TO RW13.
 WAAS CHANNEL # 93531
 REFERENCE PATH ID: W13A
 ZASDA TO RW13: 3.21/40.
 LTP HAE: 978.7 M

MINIMUMS:

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

ALTERNATE: NA CAT A, B 1100-2, 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
LP MDA	3940	1	661	3940	1	661		NA			NA					
LNAV MDA	4360	1 1/4	1081	4360	1 1/2	1081		NA			NA					
CIRCLING	4360	1 1/4	1081	4360	1 1/2	1081		NA			NA					



CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO FORM – IAW 8260.19K PARA 8-3-4.C.3.
2. TERMINAL ROUTES: DELETED "NOPT" FROM WUVIR TO AYAYO IF/IAF SEGMENT – PREVIOUSLY DOCUMENTED INCORRECTLY.
3. TERMINAL ROUTES: ZASDA/3.40 NM TO RW13 AND CA LEG COURSES UPDATED FROM "137.15" TO "137.13" – UPDATED COURSE CALCULATIONS; NO FIX MOVEMENT.
4. PROFILE LINE 2: DELETED "FT." AND ADDED "MAX 6000" – IAW 8260.19K PARA 8-6-7.B.2.
5. PROFILE LINE 4: UPDATED FROM "WUVIR 5400, AYAYO 5300, ZASDA/3.40 NM TO RW13 4460" TO "WUVIR 5400, AYAYO 5300, ZASDA/3.40 NM TO RW13 4480" – UPDATED SDF OBSTACLE HEIGHT/SURVEY DATA.
6. PROFILE LINE 7: ADDED "20:1 IS CLEAR" – IAW 8260.19K PARA 8-6-7.G.3.
7. UPDATED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH – GPS" – IAW 8260.19K PARA 8-6-8.D.
8. UPDATED CHART PROFILE NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" – UPDATED VERBIAGE IAW 8260.19K PARA 8-6-10.M.2.
9. ADDED "CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NO AUTHORIZED" – IAW 8260.19K PARA 8-6-12.K.2; 34:1 PENETRATIONS EXIST.
10. UPDATED CHART NOTE FROM "VDP NA WITH IMPERIAL ALTIMETER SETTING" TO "VDP NA WHEN USING IML ALTIMETER SETTING" – UPDATED VERBIAGE IAW 8260.19K PARA 8-6-10.E.9.
11. UPDATED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IMPERIAL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE LP, LNAV AND CIRCLING CAT B VISIBILITY TO 1 1/4" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IML ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND LP VISIBILITY CAT B 1/4 SM" – UPDATED VERBIAGE IAW 8260.19K PARA 8-6-10.F.4.
12. ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART FAS OBST 3749 TREE 411026N/1014808W, 3689 TREE 411004N/1014758W" TO "CHART FAS OBST 3977 TOWER (31-000683) 411037N/1014828W, FAS OBST 3689 TREE 411004N/1014758W" – NEW FAS OBSTACLE AND UPDATED CHARTING PROCESS IAW 8260.19K PARA 8-6-11.C.
13. ADDITIONAL FLIGHT DATA: DELETED "CHART: 3976 TOWER 411037N/1014828W" AND "CHART: 3925 TOWER 411037N/1014821W" AND ADDED "CHART 3926 TOWER (31-000547) 411037N/1014821W" – NO 7:1 EXCLUSION NO LONGER TAKEN FOR LNAV AND NEW 7:1 EXCLUDED OBSTACLE AT ZASDA FOR LP.
14. ADDITIONAL FLIGHT DATA: UPDATED VDP NOTE FROM "CHART VDP AT 1.83 MILES TO RW13" TO "CHART VDP AT 1.66N TO RW13" – NEW VDP CALCULATION.
15. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "ZASDA TO RW13: 3.16/40.1" TO "ZASDA RW13: 3.21/40" – PREVIOUSLY DOCUMENTED INCORRECTLY.
16. ALTERNATE MINIMUMS: UPDATED FROM "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "CAT A, B 1100-2, NA WHEN LOCAL WEATHER NOT AVAILABLE" – IAW 8260.3G PARA 3-1-2 CALCULATION.
17. MINIMUMS: UPDATED LNAV MDA/HAT ALL CATS FROM "4000/721" TO "4360/1081" AND VISIBILITY ALL CATS FROM "1" TO "1 1/4" – NEW CONTROLLING OBSTACLE AND VISIBILITIES UPDATED IAW 8260.3G TABLE 3-3-3 AND 3-3-4.
18. MINIMUMS: UPDATED CIRCLING MDA/HAA ALL CATS FROM "4000/721" TO "4360/1081" AND VISIBILITY ALL CATS FROM "1" TO "1 1/4" – INCREASED TO MATCH NEW LNAV MINIMUMS.
19. CRC REMAINDER UPDATED FROM "4E3799E9" TO "24DC0B2A" – UPDATED LTP/FTP LATITUDE/LONGITUDE FROM "410733.1810N/1014614.2060W" TO "410733.1825N/1014614.2065W", UPDATED FPAP LATITUDE/LONGITUDE FROM "410620.8900N/1014505.2300W" TO "410620.8865N/1014505.2295W" AND GLIDEPATH ANGLE FROM "3.16" TO "3.21".

COORDINATED WITH:

A4A
ALPA
AOPA
APA
HAI
NBAA
OTHER: ZDV, AMGR

FLIGHT CHECKED BY

Digitally signed by
ROBERT G HAMILTON
 May 29, 2026

OFFICE

AJF

DATE

05/27/2026

DEVELOPED BY

ROBERT G HAMILTON (JILL M. SUPPES)

Digitally signed by
ROBERT G HAMILTON
 May 28, 2026

OFFICE

AJV-A433

DATE

02/06/2026

APPROVED BY

ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
 May 28, 2026

OFFICE

AJV-A433

DATE

TITLE
MANAGER



AIRPORT ID
OGA

PROCEDURE NAME
RNAV (GPS) RWY 13

ORIGINAL/AMENDMENT
ORIG-E

CITY
OGALLALA

STATE
NE

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOGA
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	410733.1825N
LTP/FTP LONGITUDE	1014614.2065W
LTP/FTP ELLIPSOIDAL HEIGHT	+09787
FPAP LATITUDE	410620.8865N
FPAP LONGITUDE	1014505.2295W
THRESHOLD CROSSING HEIGHT (TCH)	00040.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.21
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0

CRC REMAINDER 24DC0B2A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09995
FPAP ORTHOMETRIC HEIGHT	+09995



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

<u>AIRPORT ID</u> OGA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> OGALLALA	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 3279	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 047/30 CW 227/30 **TO** 047/8 CW 227/8

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-000766)	412025.00N/1022359.00W	4382	500	125	5E	1000				AT318	5700
TERRAIN	414612.00N/1020539.00W	4117 (4100)								AS1500	5600

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 047/8 CW 227/8 **TO** WUVIR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	412548.00N/1014833.00W	4105	215	8	4B	1000				AT295	5400
TERRAIN	411424.00N/1020224.00W	3848 (3800)								AS1500	5300

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
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PROCEDURE NAME
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AMDT NO.
ORIG-E

CITY
OGALLALA

STATE
NE

AIRPORT ELEVATION
3279

FACILITY
RNAV

STRAIGHT-IN AREA

FROM
227/30 CW 047/30

TO
WUVIR

RNP DISTANCE 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>
TOWER (08-000174)	405618.00N/1021339.00W	4283	500	50	5D	1000				AT117	5400
TERRAIN	411400.00N/1020154.00W	3848 (3800)								AS1500	5300

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
WUVIR (IF/IAF)

TO
AYAYO

RNP DISTANCE PAT MAP HAT HMAS
1.00 6.00

<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	411242.00N/1015357.00W	3947	215	8	4B	500				SA-2 AT855	5300
TERRAIN	411239.00N/1015330.00W	3743 (3700)								AS1500	5200

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
OGA

PROCEDURE NAME
RNAV (GPS) RWY 13

AMDT NO.
ORIG-E

CITY
OGALLALA

STATE
NE

AIRPORT ELEVATION
3279

FACILITY
RNAV

FINAL: LP

FROM
AYAYO

TO
ZASDA/3.40 NM TO RW13

RNP
0.30

DISTANCE
2.82

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-000683)	411037.00N/1014828.00W	3977	500	125	5E	250				AC125 RA100 XL11	4480

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LP STEPDOWN

FROM
ZASDA/3.40 NM TO RW13

TO
RW13

RNP
0.30

DISTANCE
3.40

PAT

MAP
RW13

HAT
661

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	411004.05N/1014758.04W	3689	50	20	2C	250					3940

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
OGA

PROCEDURE NAME
RNAV (GPS) RWY 13

AMDT NO.
ORIG-E

CITY
OGALLALA

STATE
NE

AIRPORT ELEVATION
3279

FACILITY
RNAV

FINAL: LNAV

FROM
AYAYO

TO
ZASDA/3.40 NM TO RW13

RNP
0.30

DISTANCE
2.82

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-000683)	411037.00N/1014828.00W	3977	500	125	5E	250				AC125 XL11 RA100	4480

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
ZASDA/3.40 NM TO RW13

TO
RW13

RNP
0.30

DISTANCE
3.40

PAT

MAP
RW13

HAT
1081

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-000683)	411037.00N/1014828.00W	3977	500	125	5E	250				AC125	4360

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
OGA

PROCEDURE NAME
RNAV (GPS) RWY 13

AMDT NO.
ORIG-E

CITY
OGALLALA

STATE
NE

AIRPORT ELEVATION
3279

FACILITY
RNAV

MISSED APPROACH: LNAV

FROM
RW13 **TO**
KUYEL

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
4260

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5500
AAO	405836.00N/1014021.00W	3659	215	8	4B	1000					4700
TERRAIN	405836.00N/1014021.00W	3458 (3500)								AS1500	5000

COMPUTATIONS

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

SEGMENT REMARKS:

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											
TREE	410851.00N/1014636.00W	1.35	1081	3597	215	8	4B	300		SI	4360
CATEGORY B											
TREE	410915.00N/1014645.00W	1.93	1081	3653	215	8	4B	300		SI	4360

CIRCLING REMARKS:

MSA/ESA

CENTER RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC, OLU FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	OGA	24	OGA		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	IML	24	IML	37.20	Y	86



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3279

FACILITY
RNAV

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
OGA 3279, IML 3276
RA = 86.0.

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW08 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW13 - MIRL (PCL), VASI-4L (PCL)	NPI-G	
RW26 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW31 - MIRL (PCL), PAPI-2L (PCL)	NPI-G	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

TCH

3.50

40.1

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LP AND LNAV
34:1	
3378 TERRAIN (31-032088) 410755.2200N/1014634.6500W (24.47)	3376 TERRAIN (31-052120) 410754.9300N/1014634.3700W (23.53)
3378 TERRAIN (31-051957) 410755.4900N/1014635.0800W (23.25)	3379 TERRAIN (31-033631) 410755.8800N/1014635.6100W (22.61)
3373 TERRAIN (31-033647) 410754.4000N/1014633.8000W (22.56)	3395 TERRAIN (31-033314) 410756.5300N/1014647.1100W (21.89)
3392 TERRAIN (31-033965) 410757.2000N/1014643.7600W (21.69)	3390 TERRAIN (31-033964) 410756.0200N/1014645.3400W (20.45)
3368 TERRAIN (31-032983) 410753.8200N/1014633.1700W (19.79)	3377 TERRAIN (31-051875) 410756.1800N/1014635.9300W (19.46)
3390 TERRAIN (31-052374) 410757.3000N/1014644.0800W (19.02)	3396 TERRAIN (31-032744) 410801.4700N/1014641.0100W (19)
3385 TERRAIN (31-051810) 410755.0200N/1014644.6200W (18.82)	3368 TERRAIN (31-037062) 410750.6200N/1014639.8200W (18.76)
3378 TERRAIN (31-032034) 410756.5600N/1014636.5400W (18.74)	3388 TERRAIN (31-051485) 410757.0800N/1014643.1800W (18.74)
3373 TERRAIN (31-052299) 410755.1600N/1014635.7600W (18.15)	3385 TERRAIN (31-037100) 410756.3900N/1014642.8300W (17.87)
3447 TERRAIN (31-033793) 410820.5300N/1014645.7600W (17.74)	3389 TERRAIN (31-051762) 410756.6700N/1014645.6800W (17.44)

QUALITY
14
CHECKED

<u>AIRPORT ID</u> OGA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> OGALLALA	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 3279	<u>FACILITY</u> RNAV
3392 TERRAIN (31-051079) 410800.8800N/1014640.3000W (17.36)			3388 TERRAIN (31-050767) 410757.5600N/1014643.5100W (17.15)			
3446 TERRAIN (31-051972) 410820.3300N/1014645.9800W (16.93)			3391 TERRAIN (31-032303) 410800.8200N/1014640.0300W (16.86)			
3348 FENCE (31-033400) 410748.7800N/1014629.5700W (16.7)			3394 TERRAIN (31-051413) 410801.5000N/1014641.4100W (16.4)			
3348 FENCE (31-033548) 410749.0000N/1014629.5700W (16.17)			3376 TERRAIN (31-052392) 410756.8000N/1014636.8800W (15.71)			
3367 TERRAIN (31-032087) 410754.3400N/1014634.8900W (15.27)			3389 TERRAIN (31-051059) 410757.0600N/1014646.6100W (15.27)			
3370 TERRAIN (31-052531) 410755.9400N/1014634.5000W (14.93)			3377 TERRAIN (31-032021) 410757.3000N/1014637.4200W (14.8)			
3369 TERRAIN (31-031083) 410754.9300N/1014635.8900W (14.53)			3416 TERRAIN (31-051857) 410812.5600N/1014639.3000W (14.49)			
3363 TERRAIN (31-052612) 410753.5800N/1014633.8800W (14.44)			3347 FENCE (31-034131) 410749.3900N/1014629.5500W (14.26)			
3392 TERRAIN (31-050435) 410801.3500N/1014641.8300W (14.21)			3379 TERRAIN (31-030842) 410754.8300N/1014643.9400W (14.17)			
3389 TERRAIN (31-052048) 410757.0100N/1014647.5700W (14.13)			3347 TERRAIN (31-036908) 410749.3200N/1014629.9000W (13.96)			
3344 TERRAIN (31-031208) 410748.4600N/1014629.2300W (13.92)			3344 FENCE (31-032122) 410748.3500N/1014629.5800W (13.73)			
3345 TERRAIN (31-051037) 410748.7800N/1014629.5800W (13.69)			3442 TERRAIN (31-052527) 410819.8300N/1014646.3500W (13.65)			
3420 TERRAIN (31-031207) 410814.0100N/1014640.4600W (13.46)			3358 TERRAIN (31-030759) 410752.8400N/1014632.4200W (13.15)			
3359 TERRAIN (31-051739) 410753.1300N/1014632.6700W (13.12)			3349 TERRAIN (31-031037) 410750.2100N/1014630.6000W (12.89)			
3376 TERRAIN (31-050847) 410757.5000N/1014637.7500W (12.88)			3373 TERRAIN (31-033665) 410753.6000N/1014642.6600W (12.82)			
3371 TERRAIN (31-052314) 410755.9100N/1014636.9500W (12.77)			3439 TERRAIN (31-033806) 410819.6600N/1014645.1200W (12.68)			
3388 TERRAIN (31-033923) 410800.6800N/1014641.2600W (12.58)			3373 TERRAIN (31-051792) 410756.5800N/1014637.4800W (12.46)			
3311 TREE (31-031174) 410738.4300N/1014623.7800W (12.31)			3363 TERRAIN (31-052016) 410754.7900N/1014633.3600W (12.2)			
3361 TERRAIN (31-033740) 410753.4900N/1014634.2500W (12.17)			3340 TERRAIN (31-051510) 410747.7900N/1014628.8900W (11.99)			
3347 TERRAIN (31-051331) 410749.9100N/1014630.3800W (11.91)			3390 TERRAIN (31-032880) 410801.2900N/1014642.2200W (11.84)			
3378 TERRAIN (31-051751) 410756.3200N/1014642.2300W (11.83)			3377 TERRAIN (31-031399) 410758.0600N/1014638.3000W (11.8)			
3367 TERRAIN (31-032033) 410756.1300N/1014634.3200W (11.7)			3369 TERRAIN (31-031085) 410755.6200N/1014636.8500W (11.6)			
3391 TERRAIN (31-032881) 410802.2000N/1014641.8800W (11.09)			3350 TERRAIN (31-033534) 410751.0800N/1014631.2100W (10.99)			
3338 TERRAIN (31-032136) 410747.5700N/1014628.5400W (10.98)			3371 TERRAIN (31-051126) 410757.1700N/1014636.1300W (10.81)			
3383 TERRAIN (31-051482) 410800.2700N/1014639.6100W (10.74)			3352 TERRAIN (31-033526) 410751.9000N/1014631.9200W (10.08)			
3441 TERRAIN (31-050831) 410821.2000N/1014645.8100W (10.06)			3384 TERRAIN (31-031432) 410757.8600N/1014645.3400W (10.01)			
3308 TRAVERSE_WAY (31-033463) 410741.4400N/1014617.7900W (9.94)			3355 TERRAIN (31-033358) 410750.0600N/1014637.6700W (9.94)			
3368 TERRAIN (31-036964) 410756.8000N/1014635.2400W (9.87)			3348 TERRAIN (31-051035) 410750.7600N/1014631.1600W (9.83)			
3383 TERRAIN (31-037103) 410758.2100N/1014644.0900W (9.81)			3374 TERRAIN (31-034008) 410755.7100N/1014641.8800W (9.76)			
3353 TERRAIN (31-050702) 410752.3400N/1014632.1300W (9.74)			3381 TERRAIN (31-030820) 410759.8800N/1014639.6700W (9.61)			
3435 TERRAIN (31-052146) 410819.1000N/1014645.6900W (9.29)			3343 FENCE (31-033401) 410749.7900N/1014629.5700W (9.26)			
3338 FENCE (31-033863) 410747.7600N/1014629.5600W (9.18)			3340 TERRAIN (31-052489) 410748.4600N/1014629.8500W (9.1)			
3383 TERRAIN (31-051032) 410758.1100N/1014644.8600W (9.04)			3372 TERRAIN (31-051984) 410757.7700N/1014637.2000W (8.95)			
3381 TERRAIN (31-051980) 410759.8700N/1014640.2200W (8.9)			3350 TERRAIN (31-052384) 410751.6000N/1014631.8600W (8.88)			
3377 TERRAIN (31-037032) 410758.9100N/1014639.0400W (8.78)			3436 TERRAIN (31-051363) 410820.4800N/1014644.3600W (8.71)			

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<u>AIRPORT ID</u> OGA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> OGALLALA	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 3279	<u>FACILITY</u> RNAV
3369 TERRAIN (31-033614) 410756.3400N/1014637.7800W (8.64)			3399 TERRAIN (31-052181) 410809.3800N/1014636.8500W (8.39)			
3307 TRAVERSE_WAY (31-033175) 410741.5800N/1014618.1100W (8.18)			3379 TERRAIN (31-031823) 410757.9100N/1014642.9100W (8.09)			
3374 TERRAIN (31-050536) 410758.0700N/1014638.8400W (8.07)			3399 TERRAIN (31-036961) 410809.5800N/1014636.8700W (7.88)			
3407 TERRAIN (31-033326) 410811.8800N/1014638.8000W (7.79)			3388 TERRAIN (31-051296) 410802.1200N/1014642.5700W (7.38)			
3368 TERRAIN (31-036989) 410757.4800N/1014636.1200W (7.07)			3304 TERRAIN (31-051961) 410741.1400N/1014617.7100W (6.76)			
3332 TERRAIN (31-052479) 410747.0500N/1014628.2100W (6.67)			3359 TERRAIN (31-033280) 410755.4100N/1014633.4200W (6.63)			
3355 TERRAIN (31-051838) 410754.2800N/1014632.8000W (6.17)			3348 TERRAIN (31-033357) 410749.3200N/1014636.6600W (6.06)			
3359 TERRAIN (31-030741) 410751.9100N/1014640.3100W (6)			3380 TERRAIN (31-051652) 410758.4000N/1014644.4500W (5.88)			
3375 TERRAIN (31-052537) 410759.0100N/1014639.5500W (5.86)			3382 TERRAIN (31-032743) 410757.9500N/1014647.1200W (5.45)			
3387 TERRAIN (31-030903) 410802.3500N/1014642.9400W (5.34)			3340 FENCE (31-052289) 410750.1800N/1014629.5600W (5.34)			
3322 TREE (31-050575) 410743.5000N/1014628.2900W (5.13)			3351 TERRAIN (31-033359) 410752.6400N/1014633.6700W (4.98)			
3373 TERRAIN (31-032073) 410757.1900N/1014642.0600W (4.95)			3406 TERRAIN (31-033328) 410811.9100N/1014640.1600W (4.92)			
3359 TERRAIN (31-050728) 410755.9100N/1014633.8000W (4.92)			3371 TERRAIN (31-050828) 410758.6100N/1014638.0000W (4.87)			
3381 TERRAIN (31-033934) 410800.3200N/1014642.5000W (4.82)			3329 TERRAIN (31-032635) 410746.6800N/1014628.0300W (4.8)			
3304 TERRAIN (31-052205) 410741.5900N/1014618.4300W (4.73)			3368 TERRAIN (31-033615) 410757.1000N/1014638.6600W (4.65)			
3420 TERRAIN (31-037028) 410817.0900N/1014641.7400W (4.34)			3301 TERRAIN (31-051144) 410740.8900N/1014617.7900W (4.26)			
3332 FENCE (31-052419) 410747.3700N/1014629.5700W (4.1)			3347 TERRAIN (31-052433) 410752.4800N/1014631.6200W (4.07)			
3367 TERRAIN (31-050517) 410755.5100N/1014641.3200W (3.98)			3305 TERRAIN (31-052086) 410742.1600N/1014618.7800W (3.89)			
3376 TERRAIN (31-031449) 410759.5600N/1014640.8800W (3.78)			3373 TERRAIN (31-051868) 410759.5100N/1014638.7200W (3.75)			
3379 TERRAIN (31-051287) 410800.0700N/1014642.2800W (3.71)			3333 TERRAIN (31-052238) 410747.7700N/1014629.9200W (3.68)			
3435 TERRAIN (31-050744) 410820.3900N/1014647.5800W (3.68)			3301 TERRAIN (31-052468) 410741.0600N/1014618.0900W (3.46)			
3348 TERRAIN (31-052042) 410752.3300N/1014633.1300W (3.44)			3309 TERRAIN (31-051202) 410743.6500N/1014619.5100W (3.34)			
3310 TERRAIN (31-050380) 410743.7800N/1014620.1200W (3.22)			3337 TERRAIN (31-050656) 410749.2300N/1014630.8100W (2.98)			
3413 TERRAIN (31-050631) 410814.9000N/1014641.5500W (2.88)			3341 TERRAIN (31-050738) 410750.4300N/1014631.8000W (2.78)			
3352 TERRAIN (31-032392) 410754.6000N/1014632.5400W (2.74)			3359 TERRAIN (31-051279) 410756.6300N/1014634.1800W (2.68)			
3338 FENCE (31-033384) 410750.4700N/1014629.5600W (2.64)			3375 TERRAIN (31-051778) 410759.3700N/1014641.4900W (2.44)			
3339 TERRAIN (31-051054) 410749.9900N/1014631.5000W (2.24)			3331 TERRAIN (31-036909) 410747.5800N/1014629.8400W (2.24)			
3334 TERRAIN (31-032764) 410748.4600N/1014630.5400W (2.2)			3349 TERRAIN (31-052044) 410752.7200N/1014634.1300W (2.18)			
3373 TERRAIN (31-051063) 410800.2500N/1014638.6100W (2.11)			3363 TERRAIN (31-033217) 410754.8500N/1014641.0300W (1.95)			
3366 TERRAIN (31-034007) 410758.2700N/1014637.0500W (1.94)			3380 TERRAIN (31-051027) 410800.8400N/1014643.0100W (1.89)			
3371 TERRAIN (31-033963) 410758.6800N/1014640.2900W (1.68)			3329 FENCE (31-031221) 410747.1400N/1014629.5700W (1.66)			
3434 TERRAIN (31-051681) 410820.9500N/1014647.3500W (1.63)			3304 TERRAIN (31-033453) 410742.6500N/1014619.1100W (1.28)			
3309 TERRAIN (31-051788) 410743.9000N/1014620.6100W (1.28)			3335 TERRAIN (31-051743) 410749.9400N/1014629.2800W (1.28)			
3341 TERRAIN (31-050660) 410750.8300N/1014632.2300W (1.25)			3301 FENCE (31-052103) 410741.5000N/1014619.0200W (1.17)			
3332 TERRAIN (31-051826) 410748.1700N/1014630.3900W (1.09)			3310 TERRAIN (31-031716) 410744.0500N/1014621.2700W (1.05)			

QUALITY
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CHECKED

<u>AIRPORT ID</u> OGA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> OGALLALA	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 3279	<u>FACILITY</u> RNAV
3394 TERRAIN (31-051405)	410810.0500N/1014637.4200W (1.02)					3352 TERRAIN (31-050410) 410755.1100N/1014632.9700W (0.94)
3373 TERRAIN (31-050800)	410758.4600N/1014642.9500W (0.71)					3295 TERRAIN (31-051264) 410740.1700N/1014617.2600W (0.7)
3367 TERRAIN (31-030843)	410757.8600N/1014639.5300W (0.67)					3363 TERRAIN (31-030833) 410754.6300N/1014642.4300W (0.64)
3374 TERRAIN (31-032302)	410759.3900N/1014642.1000W (0.59)					3327 TERRAIN (31-050935) 410747.0100N/1014629.1200W (0.57)
3338 TERRAIN (31-031459)	410750.1000N/1014631.8500W (0.51)					3342 TERRAIN (31-051565) 410751.3300N/1014632.6800W (0.45)
3379 TERRAIN (31-037171)	410757.8900N/1014648.8700W (0.29)					3411 TERRAIN (31-037031) 410815.0600N/1014641.7600W (0.21)
3370 TERRAIN (31-030818)	410759.9400N/1014638.3500W (0.2)					3383 TERRAIN (31-034058) 410803.0400N/1014642.6000W (0.12)
3310 TERRAIN (31-052495)	410744.1500N/1014621.8100W (0.1)					3337 TERRAIN (31-050940) 410750.8600N/1014630.0100W (0.1)
3383 TERRAIN (31-051687)	410802.7700N/1014643.1200W (0.09)					
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 VEGETATION HEIGHT WITHIN 5 NM: 70 FT PER CENTRAL FPT.
 CAT C/D MINS NOT DEVELOPED PER CENTRAL FPT.
 TAA DEVELOPED PER ATC REQUEST
 LPV AND LNAV/VNAV NOT DEVELOPED DUE TO LACK OF SURVEY.
 LESS THAN 1 MILE VISIBILITY NOT USED PER ADO/FPT.
 ORDER 8260.3 CHAPTER 2 APPLIED TO 3926 TOWER (31-000547) 411037.00N/1014821.00W.
 ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID
OGA

PROCEDURE NAME
RNAV (GPS) RWY 13

AMDT NO.
ORIG-E

CITY
OGALLALA

STATE
NE

AIRPORT ELEVATION
3279

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	4.22
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	144.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3700
DISTANCE FROM	THLD	TO 1500FT POINT	6.02
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	144.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	3700

THRESHOLD COORDINATES (IF STR-IN) 410733.18N/1014614.21W
ARP COORDINATES 410710.10N/1014610.92W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 8 DISTANCE 0.53 NM
FAF COORDINATES 411235.77N/1015103.51W
FIX NAME COORDINATES

REMARKS

TAA INFORMATION:
IF/IAF WUVIR 411727.56N 1015543.34W 30 NM RADIUS.

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ROBERT G HAMILTON (JILL M. SUPPES)	AJV-A433	02/06/2026	AERONAUTICAL INFORMATION SPECIALIST

