US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TUKWY (IF/IAF)	ERWOM (FB)	263.11 / 7.40	4900
ERWOM (FAF)	ZEDMO/2.00 NM TO RW26 (FB)	263.00 / 3.05	
ZEDMO/2.00 NM TO RW26	RW26 (MAP) (FO)	262.96 / 2.00	
RW26 (MAP)	3495 MSL	262.96	
3495 MSL	AHUFU (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW26

CLIMB TO 5300 DIRECT AHUFU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E TUKWY, RT, 263.11 INBOUND, 5200 FT. IN LIEU OF PT (IAF)
3. FAC: 263.00 FAF: ERWOM DIST FAF TO MAP: 5.05 THLD: 5.05
4. MIN. ALT: TUKWY 5200, ERWOM 4900, ZEDMO/2.00 NM TO RW26 3900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4900 GS ALT AT: ERWOM 4900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 082.72 INBOUND.
CHART FAS OBST: 3369 TREE 410740N/1014609W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
CHART VDP AT 1.03 MILES TO RW26*
*LNAV ONLY.
WAAS CHANNEL # 53303
REFERENCE PATH ID: W26A
LTP HAE: 968.2 M

MAG VAR: 7E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3495	1	250	3495	1	250		NA			NA				
LNAV/VNAV DA	3531	1	286	3531	1	286		NA			NA				
LNAV MDA	3620	1	375	3620	1	375		NA			NA				
CIRCLING	3920	1	641	3960	1	681		NA			NA				

NOTES:
CHART NOTE: WHEN RWY 13 VGSI INOPERATIVE, CIRCLING RWY 13 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IMPERIAL ALTIMETER SETTING AND INCREASE ALL DA 86 FEET AND ALL MDA 100 FEET, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3279 THRE: 3245	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 26, AMDT 2	AMDT: 1
				DATED 03/15/2007

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZDV, AMGR, ST AV DIR.**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: **DONALD H. LANIER**	FIFO **AJV-353**	DATE: **08/16/2012**

APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. REMOVED TERMINAL ROUTES: JANUR TO OQSAB, OQSAB TO TUKWY, HOLYO TO LUDFY, LUDFY TO TUKWY, WELNU TO TUKWY, LAYIK TO TUKWY.
2. ADDED NEW 2 SECTOR TAA WITH STEPDOWN SEGMENT IN EACH.
3. DELETED MSA.
4. ADDED VDP AT 1.03 NM FROM THLD.
5. MOVED FIX PFAF ERWOM .84 NM WEST TO 5.03 NM FROM THLD AND LOWERED TO 4900.
6. MOVED IF/IAF FIX TUKWY .57 NM WEST TO 12.45 NM FROM THLD/7.4 NM FROM ERWOM.
7. ADDED LVAV/VNAV MINIMUMS.
8. LOWERED LNAV CAT A/B MINIMUMS FROM MDA 3920/HAT 666 TO MDA 3620/HAT 375.
9. LOWERED CIRCLING CAT A MINIMUMS FROM MDA 3940/HAA 662 TO MDA 3920/HAA 641, CAT B FROM MDA 3980/HAA 702 TO MDA 3960/HAA 681.
10. REMOVED ALL CAT C MINIMUMS.
11. ADDED VDP AND BARO-VNAV NA NOTE.
12. MODIFIED BACKUP ALTIMETER NOTE.
13. DELETED BOTH PLANVIEW NOTES "PROCEDURE NA FOR ARRIVALS AT..."
14. ADDED STEPDOWN FIX ZEDMO/3900 MSL AT 2.0 NM FROM THLD.
SEE 8260-10

REASONS:

1,2,3. DESIGN CHANGE AT FPT REQUEST.
4. NEW OBSTACLE DATA.
5. 8260.54A FORMULA 2-16B RNP PFAF LOCATION/LOWERED AT FPT REQUEST.
6. DISTANCE 7.4 NM FROM NEW PFAF AT FPT REQUEST.
7. CRITERIA.
8, 9, NEW OBSTACLE DATA/MEASURED FROM THLD/LOWERED PER FPT REQUEST.
10. FPT/ADO REQUEST.
11. VDP AND LNAV/VNAV MINIMUMS ADDED/CRITICAL TEMPURATURES CALCULATED.
12. ADDED DA AND VISIBILITY VALUES.
13. NO LONGER REQUIRED/TERMINAL ROUTE S HOLYO TO LUDFY AND JANUR TO OQSAB DELETED.
14, 18. NEW OBSTACLE DATA/GET LOWER MINIMUMS PER FPT.
15. PFAF ERWOM MOVED/AIRPORT MAGVAR UPDATE.
16. AIRPORT MAGVAR UPDATE.
17. IF/IAF FIX TUKWY MOVED/AIRPORT MAGVAR UPDATE.
SEE 8260-10

QUALITY CHECKED

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NOTES, (CONT.):
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING IMPERIAL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	173/30 CW 353/30 (NOPT)	173/6 CW 353/6	5300
2.	173/6 CW 353/6	TUKWY (IF/IAF) (FB)	5200
3.	353/30 CW 173/30	353/6 CW 173/6	5500
4.	353/6 CW 173/6	TUKWY (IF/IAF) (FO)	5200

QUALITY CHECKED 1

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.

15. CHANGED FINAL COURSE FROM 259.02 TO 263.00.

16. CHANGED HOLDING INBOUND/OUTBOUND COURSE AT AHUFU FROM 079/259 TO 082.72/262.72.

17. CHANGED HOLDING INBOUND/OUTBOUND COURSE AT TUKWY FROM 259/079 TO 263.11/083.11.

18. LOWERED LPV MINIMIMS CAT A/B FROM DA 3504/HAT 250 TO 3495/HAT 250.

REASONS:

REASONS CONT.

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOGA
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	410704.1370N
LTP/FTP LONGITUDE	1014545.4700W
LTP/FTP ELLIPSOIDAL HEIGHT	+09682
FPAP LATITUDE	410704.0100N
FPAP LONGITUDE	1014743.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E3CF89F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09891
FPAP ORTHOMETRIC HEIGHT	+09891

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3279 THRE: 3245	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 26, AMDT 2	AMDT: 1
				DATED: 03/15/2007

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AHUFU K30    W     N41070145W102043270                      E0072     NAR           AHUFU
        SUSAEAENRT   ERWOM K30    W     N41070432W101390493                      E0069     NAR           ERWOM
        SUSAEAENRT   TUKWY K30    W     N41070388W101291712                      E0068     NAR           TUKWY
        SUSAEAENRT   ZEDMO K30    W     N41070426W101430670                      E0070     NAR           ZEDMO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3AOGA     0     051YHN41071010W101461090E007003279         1800018000C    MNAR    SEARLE FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3FR26   ATUKWY 010TUKWYK3EA0EE AR   HF                    26310050    + 05200     18000                A JS
        SUSAP KOGAK3FR26   R      010TUKWYK3EA0E  I    IF                                + 05200     18000                A JS
        SUSAP KOGAK3FR26   R      020ERWOMK3EA1E  F 051TF                    26310074    + 04900                          A JS
        SUSAP KOGAK3FR26   R      020ERWOMK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KOGAK3FR26   R      021ZEDMOK3EA0E S  031TF                    26300031    V 0390003930        -300         A JS
        SUSAP KOGAK3FR26   R      030RW26 K3PG0GY M 031TF                    26300020      03293             -300         A JS
        SUSAP KOGAK3FR26   R      040         0  M     CA                    2630        + 03495                          A JS
        SUSAP KOGAK3FR26   R      050AHUFUK3EA0EY      DF                                + 05300                          A JS
        SUSAP KOGAK3FR26   R      060AHUFUK3EA0EE  R   HM                    08270050    + 05300                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3GRW26    0051022629 N41070414W101454547+0300    +0968203245000048075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3PR26   RW26 001 0000W26A0N4107041370W10145454700+096820300N4107040100W101474336001067511920004 80F400500E3CF89F9
        SUSAP KOGAK3PR26   RW26 002E      +09891+09891LPV       53303
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QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 3279 THRE: 3245	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 26, AMDT 2	AMDT: 1
				DATED: 03/15/2007

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	TUKWY	TUKWY	010	IAF	HF	R	FO		263.1(270.1T)	005.0	AA 05200	
		TUKWY	010	FACF	IF		FB				AA 05200	
		ERWOM	020	FAF	TF		FB	0.5	263.1(270.1T)	007.4	AA 04900	
		ZEDMO	021	SDF	TF		FB	0.3	263.0(270.0T)	003.1	AA 03900 GS 03930	
		RW26	030	MAP	TF		FO	0.3	263.0(270.0T)	002.0	AT 03293	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		263.0(270.0T)		AA 03495	
	AHUFU	050		DF		FO				AA 05300	
	AHUFU	060		HM	R	FO		082.7(089.7T)	005.0	AA 05300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHUFU	N410701.45	W1020432.70	N4107.024	W10204.545
	ERWOM	N410704.32	W1013904.93	N4107.072	W10139.082
	TUKWY	N410703.88	W1012917.12	N4107.065	W10129.285
	ZEDMO	N410704.26	W1014306.70	N4107.071	W10143.112
	RW26	N410704.14	W1014545.47	N4107.069	W10145.758

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	03245	48

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3279 THRE: 3245	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 26, AMDT 2	AMDT: 1
				DATED: 03/15/2007

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	173/30 CW 353/30	173/6 CW 353/6	1. TOWER (31-000219)	410122.00N/1010916.00W	4293 (4D)	1000		5300
			2. TERRAIN	413421.00N/1012727.00W	3760 (3800)		AS1500	5300
STRAIGHT-IN AREA	173/6 CW 353/6	TUKWY	3. TOWER (31-000713)	410350.00N/1012020.00W	4057 (5D)	1000	AT143	5200
			4. TERRAIN	410203.00N/1012854.00W	3454 (3500)		AS1500	5000
STRAIGHT-IN AREA	353/30 CW 173/30	353/6 CW 173/6	5. AAO	413248.00N/1015312.00W	4249 (4E)	1000		5300
			6. TERRAIN	413248.00N/1015312.00W	4049 (4000)		AS1500	5500
STRAIGHT-IN AREA	353/6 CW 173/6	TUKWY	7. TOWER (31-000364)	410946.00N/1013822.00W	3760 (5E)	1000	AT440	5200
			8. TERRAIN	410921.00N/1013412.00W	3436 (3400)		AS1500	4900
INTERMEDIATE	TUKWY (IF/IAF)	ERWOM	9. AAO	410854.00N/1013621.00W	3586 (4E)	500	AC98	4200
			10. TERRAIN	410806.00N/1013432.00W	3440 (3400)		AS1500	4900
FINAL: LPV	ERWOM	RW26	11. OL WSK	410708.26N/1014542.41W	3265 (2C)	34:1	AC20	3495/250
FINAL: LNAV/VNAV	ERWOM	RW26	12. TREE	410739.76N/1014608.94W	3369 (2C)	23.4:1	AC20	3531/286
FINAL: LNAV	ERWOM	ZEDMO/2.00 NM TO	13. AAO	410812.19N/1013849.67W	3519 (3C)	250	RA86 DG45	3900
		RW26						
2. HOLD-IN-LIEU-OF-PT	TUKWY	P-6	3. TOWER (31-000713)	410350.00N/1012020.00W	4057 (5D)	1000	AT143	5200
			10. TERRAIN	410806.00N/1013432.00W	3440 (3400)		AS1500	4900
3. MISSED APPROACH — MAP:	DA / DA / RW26	AHUFU				ASC		5300
			15. AAO	410812.00N/1015757.00W	3941 (4E)	1000		5000
ELEV:	3308/3389/3520		16. TERRAIN	410924.00N/1015921.00W	3754 (3800)		AS1500	5300

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	641	17. TREE	410845.00N/1014634.00W	3609 (2C)	300		3920
CATEGORY B	1.5 NM	450	681	18. TREE	410859.00N/1014644.00W	3649 (2C)	300		3960
CATEGORY C	1.7 NM	450							
CATEGORY D	2.3 NM	550							
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CHECKED

CITY AND STATE	ELEVATION: 3279 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OGALLALA, NE	SEARLE FIELD	RNAV	RNAV (GPS) RWY 26, AMDT 2	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZDV ARTCC		N W S	OTHER: AWOS-3	SOURCE: KOGA / KIML
		F A A		DISTANCE: 0 / 37.16
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / 24
X V H F X U H F H F	LOCATION:			ADJUSTMENT: 0 / 86

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 31 (PCL), 13 (PCL), 08 (PCL), 26 (PCL)
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 31 (PCL), 08 (PCL), 26 (PCL) VASI-4L 13 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 31, 13, 08, 26
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 3245.0
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 48.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD H. LANIER	DATE: 08/16/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/48.1.

RASS PRESSURE PATTERNS SAME
KOGA 3279.4, KIML 3276.0
RA = 85.95.
SEE ATTACHED AIRSPACE LETTER.

UNABLE TO VERIFY RWY 13 VISUAL SURFACES ARE CLEAR DUE TO LACK OF SURVEY.

CAT C/D MINS NOT DEVELOPED PER CENTRAL FPT.

VEGETATION HEIGHT WITHIN 5 NM: 70 FT PER CENTRAL FPT.

KOGA AWOS AND KIML ASOS ON SERVICE A.

MODIFIED TAA DEVELOPED PER ATC REQUEST.

CAT C/D MINS NA PER CENTRAL FPT.

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.4:1

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.

NO HISTORICAL TEMPERATURE DATA IS AVAILABLE FOR THIS AIRPORT.

TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.

NO VISIBILITIES LESS THAN 1 MILE PER ADO/FPT.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV STEPDOWN	**ZEDMO/2.00 NM TO RW26**	**RW26**	**14. TREE**	**410739.76N/1014608.94W**	**3369 (2C)**	**250**		**3620**

3. MISSED APPROACH									
	MAP:								
	ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.							
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL					
CATEGORY B	1.5 NM		450						
CATEGORY C	1.7 NM		450						
CATEGORY D	2.3 NM		550						
CATEGORY E	4.5 NM		550						

5. MINIMUM SAFE ALTITUDES PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OGALLALA, NE	**ELEVATION: 3279** AIRPORT NAME: **SEARLE FIELD**	**RNAV**	**RNAV (GPS) RWY 26, AMDT 2**	**ACE**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:		N W S	OTHER:	SOURCE:
				DISTANCE:
		F A A		HOURS REMOTE OPERATION:
		A / C		
V H F / U H F / H F	LOCATION:			ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:		
	MONITOR POINT:		
	HRS OPTN:	CAT 1	
		CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: AHUFU **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410701.45N/1020432.70W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	262.72	082.72	R		5	5300	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (31-000247)	410532.31N/1021703.34W	4071	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26		1	KOGA	OGALLALA	NE (US)
IAP	RNAV (GPS) RWY 8		1	KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FIX USE.
MOVED FIX 1.49 NM WEST AND UPDATED COORDINATES.
REMOVED FAC 1.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.
CHANGED HOLDING PAT 1 RAD/CRS/BRG FROM 258.74 TO 262.72.
CHANGED HOLDING PAT 1 CRS INBOUND FROM 078.74 TO 082.72.
CHANGED HOLDING PAT 1 MAX ALTITUDE/TEMPLATE FROM 10000/10 TO 6000/6.
UPDATED HOLDING PAT 1 CONTROLLING OBSTACLE DATA (SAME OBSTACLE WITH NEW NUMBER AND MODIFIED DATA).

DEVELOPED BY: **DATE:** 08/13/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ERWOM **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410704.32N/1013904.93W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
8260.54A FORMULA 2-16B RNP PFAF LOCATION

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
MOVED FIX .84 NM WEST AND UPDATED COORDINATES.
REMOVED FAC 1 DATA.

DEVELOPED BY: **DATE:** 08/16/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: LAYIK **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410433.43N/1014608.76W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NORTH PLATTE	LBF	VORTAC	L	261.36	272.36	46.41			6000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V6					
IAP	SEARLE FIELD - RNAV (GPS) RWY 8, RNAV (GPS) RWY 26			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/15/2007

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUDFY **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410203.77N/1013003.01W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TUKWY					180.10	5.00				17500

HOLDING: **HOLDING TYPE OF ACTION:**

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SEARLE FIELD - RNAV (GPS) RWY 26			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/15/2007

REASON FOR REVISION:
MOVED FIX 2.19 NM E.
UPDATED FAC 1 COURSE & DISTANCE.
LOWERED MIN COMM ALT FROM 5500 TO 5400.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: OQSAB **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411204.11N/1013001.63W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TUKWY					000.10	5.00				17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SEARLE FIELD - RNAV (GPS) RWY 26			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/15/2007

REASON FOR REVISION:
MOVED FIX 2.18 NM E.
UPDATED FAC 1 COURSE AND DISTANCE.
LOWERED MIN COMM ALT FROM 5500 TO 5400.
UPDATED CHART PUBLICATION.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUKWY **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410703.88N/1012917.12W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	083.11	263.11	R		5	5200	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (31-000713)	410350.00N/1012020.00W	4057	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26		1	KOGA	OGALLALA	NE (US)
IAP	RNAV (GPS) RWY 8		1	KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FIX USE.
MOVED FIX .57 NM EAST AND UPDATED COORDINATES.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.
REMOVED FAC 1.
UPDATED HOLDING PAT 1 OBSTACLE NUMBER (SAME OBSTRUCTION).
CHANGED HOLDING PAT 1 MAX ALTITUDE/TEMPLATE FROM 10000/10 TO 6000/6.
CHANGED HOLDING CRS INBOUND FROM 259.10 TO 263.11.
CHANGED HOLDING PAT 1 RAD/CRS/BRG FROM 070.10 TO 083.11.

DEVELOPED BY: **DATE:** 08/13/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WELNU **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410352.00N/1011748.28W **TYPE:** WP, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NORTH PLATTE	LBF	VORTAC	L	261.36	272.36	24.96			6000	17500
2	TUKWY					109.00	9.79				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V6					(US)
IAP	SEARLE FIELD - RNAV (GPS) RWY 26			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/15/2007

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEDMO **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410704.26N/1014306.70W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/16/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

Federal Aviation Administration

Memorandum

Date: AUG 10 2012

To: Dick Powell Manager, National Flight Data Center, AJV-21

ORIGINAL SIGNED BY

From: Larry Strout, Manager, Central Products Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change for Searle Field, Ogallala, NE (KOGA)

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

RNAV (GPS) RWY 8, AMDT 2
RNAV (GPS) RWY 13, ORIG
RNAV (GPS) RWY 31, ORIG
RNAV (GPS) RWY 26, AMDT 2
TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 5

Estimated Chart Date: 01/10/2013

Runway Numbers are not affected.

Please publish these changes in the National Flight Data Digest.

NEBRASKA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
OGALLALA	Searle Field	Airport	KOGA / OGA	Old 11° EAST New 7 ° EAST	2015

If you have any questions please notify Larry H. Strout, larry.h.strout@faa.gov (405) 954-5070

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG SJB
DATE 8-9-12
ROUTING SYMBOL AJV-353 JOlson
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 LStrout
INITIALS/SIG LS
DATE 8/9/12
ROUTING SYMBOL AJV-341 JAlfonso
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

cc: AJV-3rf
sjb:x7537:DATE: 08/09/2012 (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2012\MV Change Request for Searle (SAE) VOR/DME, Ogallala, NE 8-9-12; Requestor: JOlson, Evaluated By: LFortier

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OGALLALA** STATE: **NE**

AIRPORT NAME: **SEARLE FIELD** ID: **KOGA**

PROCEDURE: **RNAV (GPS) RWY 26** AMDT: **2**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **3.16**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **270.00**
4. High Terrain in **FINAL** segment containing 1000' point **3319**
5. Distance from **THLD** to 1500' point **4.83**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **270.00**
8. High Terrain in **FINAL** segment containing 1500' point **3319**
9. Threshold Coordinates (if straight-in) ... **410704.14N** / **1014545.47W**
10. ARP Coordinates ..... **410710.10N** / **1014610.90W**
11. Runway Approach End and distance furthest from ARP ..... RWY **8**
    Distance **0.53** NM
12. FAF Coordinates ..... **410704.32N** / **1013904.93W**

REMARKS: Approach/Drawing attached.