

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23**

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**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: SAE VOR/DME
LBF VORTAC	SAE VOR/DME	264.50 / 46.88	5300	CLIMB TO 4500 THEN CLIMBING RIGHT TURN TO 5300 DIRECT SAE VOR/DME AND HOLD.
SNY VORTAC	SAE VOR/DME	075.20 / 54.76	6000	
				<b>ADDITIONAL FLIGHT DATA:</b> HOLD W, RT, 076.04 INBOUND. FAS OBST: 3879 AAO 410840N/1015746W CHART VDP AT 3.00 DME; DISTANCE VDP TO THLD 2.76 MILES. FAC CROSSES RWY C/L EXTENDED 2525 FROM THLD.

1. PT L SIDE OF COURSE 256.04 OUTBOUND 5300 FT WITHIN 10 MILES OF SAE VOR/DME (IAF)  
 2. \_\_\_\_\_  
 3. FAC 076.04 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: SAE VOR/DME 5300

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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	4180	1 1/4	920	4180	1 1/4	920		NA			NA				
CIRCLING	4180	1 1/4	901	4180	1 1/4	901		NA			NA				

**NOTES:**

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: VDP NA WITH IMPERIAL ALTIMETER SETTING.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IMPERIAL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET; INCREASE S-8 AND CIRCLING CAT B VISIBILITY 1/4 MILE.  
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE OGALLALA, NE	ELEVATION: 3279	THRE: 3260	FACILITY IDENTIFIER: SAE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 8, AMDT 6, 11/15/2012	SUP	
	AIRPORT NAME: SEARLE FIELD				AMDT	5A
					DATE	05/10/2007

ALL AFFECTED PROCEDURES REVIEWED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE <p style="text-align: center;">11/15/2012</p>
COORDINATED WITH: ATA      AAT      ALPA      APA      AOPA      NBAA      OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <u>ZDV ARTCC, AMGR</u>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
<b>JILL OLSON (BRIAN J BICKETT)</b>	<b>AJV-353</b>	<b>06/16/2012</b>
APPROVED BY		
NAME:	FIFO	DATE:
<b>LARRY H STROUT</b>	<b>AJV-353</b>	
CHANGES:		
<ol style="list-style-type: none"> <li>1. REPLACED TDZE WITH THRE.</li> <li>2. CHANGED FINAL FACILITY MAGVAR FROM 11E EPOCH YEAR 1980 TO 7E EPOCH YEAR 2015.</li> <li>3. CHANGED PT COURSE OUTBOUND FROM (247.00) TO (256.04).</li> <li>4. CHANGED FINAL APPROACH COURSE FROM (067.00) TO (079.04).</li> <li>5. CHANGED S-8 CAT A MDA/VIS/HATH FROM (4120/1/862) TO (4180/1 1/4/920) AND CAT B MDA/HATH FROM (4120/862) TO (4180/920).</li> <li>6. CHANGED CIRCLING CAT A MDA/VIS/HAA FROM (4120/1/842) TO (4180/1 1/4/901) AND CAT B MDA/HAA FROM (4120/842) TO (4180/901).</li> <li>7. CHANGED HOLDING INBOUND COURSE FROM (067.00) TO (076.04)</li> <li>8. CHANGED VDP DME FROM (3.31) TO (3.00).</li> <li>9. CHANGED VDP DISTANCE TO THLD FROM (3.07) TO (2.76).</li> <li>10. CHANGED FAC AND C/L CROSSING DISTANCE FROM (2195') TO (2525')</li> <li>11. ADDED BACKUP ALTIMETER CHART NOTE.</li> <li>12. ADDED CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT.</li> <li>13. ADDED CHART NOTE: VDP NA WITH IMPERIAL ALTIMETER SETTING.</li> <li>14. ADDED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.</li> </ol> SEE 8260-10		
REASONS:		
<ol style="list-style-type: none"> <li>1. PER CRITERIA 8260.19E, PARA 8-54 J (1).</li> <li>2. MAGVAR UPDATE PER AIR TRAFFIC AND FPT.</li> <li>3/4/7/15/16/17. MAGVAR CHANGE/UPDATED PROCEDURE EVALUATION.</li> <li>5/6. NEW FINAL CONTROLLING OBSTACLE.</li> <li>8/9/10. UPDATED PROCEDURE EVALUATION</li> <li>11. PER CRITERIA, 8260.19E, PARA 8-54 L (1) (A) 2.</li> <li>12. PER CRITERIA, 8260.3B, PARA 3.2.2D AND 8260.19E, PARA 8-54 M (2)(H).</li> <li>13. PER CRITERIA, 8260.19E, PARA 8-55 (E) (9).</li> <li>14. PER MEMO DATED 5/31/2011.</li> <li>18. CRITERIA.</li> <li>19. TO MATCH VOR/DME RWY 8 MISSED APPROACH.</li> </ol>		



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**VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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CITY AND STATE <b>OGALLALA, NE</b>	ELEVATION: 3279      THRE: 3260 AIRPORT NAME: <b>SEARLE FIELD</b>	FACILITY IDENTIFIER: <b>SAE</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>VOR RWY 8, AMDT 6, 11/15/2012</b>	SUP:
				AMDT: <b>5A</b>
				DATED: <b>05/10/2007</b>

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:

APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:  
**CHANGES CONT.**  
 15. CHANGED FEEDER SEGMENT COURSE FROM LBF VORTAC TO SAE VOR/DME FROM (264.51) TO (264.50).  
 16. CHANGED FEEDER SEGMENT DISTANCE FROM SNY VORTAC TO SAE VOR/DME FROM (54.75) TO (54.76).  
 17. CHANGED MSA CONTROLLING OBSTACLE AND ASSOCIATED DATA.  
 18. ADDED ALTERNATE WEATHER MINS AUTHORIZED.  
 19. CHANGED MISSED APPROACH HOLDING FROM "CLIMB TO 5300 THEN RIGHT TURN TO SAE VOR/DME AND HOLD" TO "CLIMB TO 4500 THEN CLIMBING RIGHT TURN TO 5300 DIRECT SAE VOR/DME AND HOLD".

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.			
FEEDER	LBF VORTAC	SAE VOR/DME	1. TOWER (31-000219)	410122.00N/1010916.00W	4293 (4D)	1000		5300			
			2. TERRAIN	411048.00N/1014133.00W	3573 (3600)	AS1500	5100				
FEEDER	SNY VORTAC	SAE VOR/DME	3. AAO	410215.00N/1025842.00W	4594 (4E)	1000	AT406	6000			
			4. TERRAIN	410215.00N/1025842.00W	4394 (4400)	AS1500	5900				
FINAL: PT	10 NM	SAE VOR/DME	5. AAO	410840.12N/1015746.19W	3879 (2C)	300		4180			
2. PROCEDURE TURN			SAE VOR/DME	10 NM	6. AAO	411142.00N/1015918.00W	3993 (4E)	1000	5000		
					7. TERRAIN	411142.00N/1015918.00W	3793 (3800)	AS1500	5300		
3. MISSED APPROACH	MAP:	SAE VOR/DME	SAE VOR/DME			ASC		5300			
	ELEV:	3880		8. TOWER (31-000400)	410802.00N/1014144.00W	3723 (1C)	1000	4800			
				9. TERRAIN	410848.00N/1014451.00W	3472 (3500)		AS1500	5000		
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	ACTUAL	350	901	10. TREE	410845.00N/1014634.00W	3609 (2C)	300	SI	4180
CATEGORY B	1.5 NM			450	901	11. TREE	410859.00N/1014644.00W	3649 (2C)	300	SI	4180
CATEGORY C	1.7 NM			450							
CATEGORY D	2.3 NM			550							
CATEGORY E	4.5 NM			550							
5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAID: SAE VOR/DME							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
360-360	TWR (31-000219)	094/ 28.8	4293 (4D)	5300							
CITY AND STATE		ELEVATION: 3279	FACILITY		PROCEDURE AND AMENDMENT NO:			REGION			
OGALLALA, NE		AIRPORT NAME: SEARLE FIELD	SAE VOR/DME		VOR RWY 8, AMDT 6, 11/15/2012			ACE			

QUALITY CHECKED

**PART B - SUPPLEMENTAL DATA**

<b>1. COMMUNICATIONS WITH:</b>		<b>2. WEATHER SERVICE</b>		<b>3. ALTIMETER SETTING</b>	
ZDV ARTCC OLU FSS		N W S	OTHER: AWOS-3		SOURCE:KOGA / KIML
					DISTANCE: 0 / 37.16
		FAA	HOURS REMOTE OPERATION: 24 / BACKUP		
SATISFACTORY ON:		A / C			
X	V H F	X	U H F	H F	LOCATION: KOGA
		ADJUSTMENT: 0 / 86			
<b>4. MONITOR STATUS</b>	PRIMARY NAVAID: SAE VOR/DME				
	MONITOR POINT: CO COM CENTER				
	HRS OPTN:	CAT 1	24		
		CAT 3			
<b>5. APPROACH &amp; RUNWAY LIGHTING</b>	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)				
<b>6. RUNWAY MARKINGS</b>	BASIC				
	ALL WEATHER				
	INSTRUMENT NPI-G 31, 13, 08, 26				
<b>7. RUNWAY VISUAL RANGE</b>	APPROACH				
	MIDFIELD				
	ROLL OUT				
<b>8. GLIDE PATH</b>	GP ANGLE:		ELEV RWY THRESHOLD:		
	DISTANCE FROM RWY:		ELEV GP ANTENNA:		
	THRESHOLD CROSSING HEIGHT:				
<b>9. FINAL APPROACH COURSE AIMING</b>	RUNWAY THRESHOLD 2525		FT. FROM THRESHOLD		
	X	ON CENTERLINE		FT. FROM CENTERLINE	
<b>10. WAIVERS: NONE</b>					

**PART C - REMARKS:**  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 CAT C/D MINS NA PER CENTRAL FPT.  
 VEGETATION HEIGHT WITHIN 5 NM: 70 FT PER CENTRAL FPT.  
 NO SURVEY TO RWY 13, UNABLE TO VERIFY IF SURFACE IS CLEAR OF OCS PENETRATIONS.  
 BLOCK 2:  
 KOGA AWOS AND KIML ASOS ARE ON SERVICE A.  
 RASS PRESSURE PATTERNS SAME  
 KOGA 3279, KIML 3276  
 RA = 86.0.  
 SEE ATTACHED AIRSPACE LETTER.  
 ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:  
 34:1  
 3274 CTR PIVOT IRRIGATION (KOGAT001)  
 410704.29N/1014700.49W (0.65)

<b>PART D - PREPARED BY:</b> JILL OLSON (BRIAN J BICKETT)		<b>DATE:</b> 06/16/2012
<b>TITLE:</b> AERONAUTICAL INFORMATION SPECIALIST		<b>OFFICE:</b> AJV-353





**RECORD REVISION NUMBER:** 11

**DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**

PAT 2 CRS INBOUND CHANGED FROM 067.00 TO 248.00  
UPDATED ESV INFORMATION

**DEVELOPED BY:**            **DATE:** 02/21/2012            **OFFICE:** AJV-354            **NAME:** CHARLES SCHNEIDER

**APPROVED BY:**            **DATE:**            **OFFICE:** AJV-354            **NAME:** DEZ SILAGYI

**SIGNATURE:**

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: SEARLE VOR/DME

STATE: NE

COUNTRY: US

LATITUDE/LONGITUDE: 410708.77N/1014633.80W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	SEARLE	SAE	VOR/DME	T							12000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	SAE	VOR/DME	086.00	266.00	R	1		5200	10000	5	9
2	W	SAE	VOR/DME	256.04	076.04	R	1		5200	10000	5	9
3	N	SAE	VOR/DME	346.35	166.35	R	1		5300	10000	5	9

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (31-000683)	411037.00N/1014828.00W	3976	5E
2	200	TOWER (31-000683)	411037.00N/1014828.00W	3976	5E
3	200	TOWER (31-000683)	411037.00N/1014828.00W	3976	5E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR/DME RWY 15		3	KGGF	GRANT	NE (US)
IAP	VOR RWY 26		1	KOGA	OGALLALA	NE (US)
IAP	VOR RWY 8		2	KOGA	OGALLALA	NE (US)
IAP	VOR/DME RWY 26		1	KOGA	OGALLALA	NE (US)
IAP	VOR/DME RWY 8		2	KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION:

**REASON FOR REVISION:**

UPDATED MAGVAR FROM 11 EAST TO 7 EAST.  
 UPDATED FIX/USE.  
 CHANGED PATTERN 1 INBND CRSE FROM 263 TO 266. (MAGVAR)  
 CHANGED PATTERN 2 INBND CRSE FROM 067.00 TO 076.04. (MAGVAR)  
 CHANGED PATTERN 3 INBND CRSE FROM 162.35 TO 166.35. (MAGVAR)

09/05/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/30/2012.

1. CHANGED HOLDING TYPE OF ACTION FROM NO CHANGE TO MODIFY.
2. IN REASONS FOR REVISION, CHANGED PATTERN 2 INBND CRSE FROM READING (071.00 TO 076.04) TO (067.00 TO 76.04).

DEVELOPED BY:                      DATE: 06/08/2012                      OFFICE: AJV-353                      NAME: ERIC N SUSKI

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

SIGNATURE:

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



STAR	LANDR	3	KDEN	DENVER	CO (US)
STAR	SAYGE	3	KDEN	DENVER	CO (US)
STAR	LANDR	3	KFTG	DENVER	CO (US)
STAR	SAYGE	3	KFTG	DENVER	CO (US)
STAR	KIPPR (RNAV)	4	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LANDR	3	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	SAYGE	3	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	KIPPR (RNAV)	4	KGXY	GREELEY	CO (US)
STAR	LANDR	3	KGXY	GREELEY	CO (US)
STAR	SAYGE	3	KGXY	GREELEY	CO (US)

**REQUIRED CHARTING:** DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13                      **DATE OF REVISION:** 11/15/2012

**REASON FOR REVISION:**  
 REMOVED PAT 4, PER ATC REQUEST  
 UPDATED FIX USE.

6/8/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 2/07/2012  
 1. ADDED HOLDING PATTERN 4  
 2. UPDATED FIX USE

**DEVELOPED BY:**                      **DATE:** 02/07/2012                      **OFFICE:** AJV-354                      **NAME:** CHARLES SCHNEIDER

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-354                      **NAME:** DEZ SILAGYI

**SIGNATURE:**

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



# TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OGALLALA**

STATE: **NE**

AIRPORT NAME: **SEARLE FIELD**

ID: **KOGA**

PROCEDURE: **VOR RWY 8**

AMDT: **6**

DOCKET # :

(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 SAE VOR/DME to 1000' point 7.00  
(Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of FINAL segment at 1000' point 4.80  
(Enter appropriate segment , final, intermediate, etc.)
3. True Course of FINAL segment containing 1000' point 083.04
4. High Terrain in FINAL segment containing 1000' point 3679
5. Distance from SAE VOR/DME to 1500' point 7.00  
(If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of FINAL segment at 1500' point 4.80
7. True Course of FINAL segment containing 1500' point 083.04
8. High Terrain in FINAL segment containing 1500' point 3679
9. Threshold Coordinates (if straight-in) ... 410704.07N / 1014652.12W
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 ..... N/A / N/A  
(Click to Select)

**REMARKS: Approach/Drawing attached.**