

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23

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> KSFF	<u>PROCEDURE NAME</u> VOR RWY 4L	<u>ORIGINAL/AMENDMENT</u> 6B	<u>CITY</u> SPOKANE	<u>STATE</u> WA		
<u>AIRPORT ELEVATION</u> 1957	<u>TDZE</u> 1949	<u>SUPERSEDED</u> VOR RWY 4L	<u>ORIGINAL/AMENDMENT</u> 6A	<u>DATED</u> 11/03/2022	<u>MAG VAR</u> 14E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> GEG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
GEG VORTAC	IF/IAF	LOWAL/7.53 DME					046.13	7.53	4000

**MISSED APPROACH**

**MAP:**

GEG 13.82 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 4500 DIRECT GEG VORTAC AND HOLD

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L SIDE OF COURSE 226.13 OUTBOUND 4500 FT WITHIN 10 MILES OF GEG VORTAC (IAF)

2.

3. FAC: 046.13 FAF: LOWAL/7.53 DME DIST FAF TO MAP: DIST FAF TO THLD: 6.29

4. MIN ALT: GEG VORTAC 4500, LOWAL/7.53 DME 4000

8. MSA FROM: GEG VORTAC 007-187 6500, 187-007 5300

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: CIRCLING NA NW OF RWY 4L-22R.  
CHART NOTE: CIRCLING RWY 22L NA AT NIGHT.  
CHART NOTE: RWY 4L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON GEG VORTAC AIRWAY RADIALS 149 CW 248.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 035.00 INBOUND.  
FAS OBST: 2579 AAO 473757N/1172239W.  
CHART VDP AT 10.81 DME.  
DISTANCE VDP TO THLD 3.00 NM.  
FAC CROSSES RWY C/L EXTENDED 64 FT FROM THLD.  
CHART CIRCLING ICON.  
LOWAL TO RW04L: 3.00/50.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1100-2, CAT C 1200-3, CAT D 1500-3, 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
S-04L	2960	1 1/4	1011	2960	1 1/2	1011	2960	3	1011	2960	3	1011			
CIRCLING	2960	1 1/4	1003	2960	1 1/2	1003	3100	3	1143	3360	3	1403			

CHANGES - REASONS

ALL CHANGES FROM AMENDMENT 6A ARE INCORPORATED IAW 8260.19I

1. TERMINAL ROUTE FROM GEG VORTAC TO LOWAL COURSE CHANGED FROM 039.13 TO 046.13. - GEG MAGVAR UPDATED FROM 21E/1975 TO 14E/2025.
2. PROFILE LINE 1 CHANGED FROM OUTBOUND COURSE OF 219.13 TO 226.13. - GEG MAGVAR.
3. PROFILE LINE 3 CHANGED FROM FAC OF 039.13 TO 046.13. - GEG MAGVAR.
4. MSA CHANGED FROM GEG VORTAC 360-180 AND 180-360 TO 007-187 AND 187-007. - GEG MAGVAR.
5. SECONDARY ALTIMETER NOTES MOVED TO 8260-9. - 8260.19I.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZSE, AMGR, GEG ATCT, SFF ATCT, GEG APCH CON

FLIGHT CHECKED BY

PENDING

OFFICE

DATE

DEVELOPED BY

TYLER MITCHELL

*Digitally signed by*

**TYLER D MITCHELL**

Feb 22, 2023

OFFICE

AJV-A432

DATE

01/27/2023

APPROVED BY

CASIMIR TABAKA

OFFICE

AJV-A432

DATE

TITLE

MANAGER



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

<u>AIRPORT ID</u> KSFF	<u>PROCEDURE NAME</u> VOR RWY 4L	<u>AMDT NO.</u> 6B	<u>CITY</u> SPOKANE	<u>STATE</u> WA	<u>AIRPORT ELEVATION</u> 1957	<u>FACILITY</u> GEG
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: PT

FROM  
10 NM

TO  
GEG VORTAC

<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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	473306.10N/1174333.60W		3149	1000	3	6A	1000				AT351	4500
TERRAIN	473306.10N/1174333.60W		2949 (2900)								AS1500	4400

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM  
GEG VORTAC (IF/IAF)

TO  
LOWAL/7.53 DME

<u>RNP</u>	<u>DISTANCE</u> 7.53	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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	473306.00N/1173321.00W		3079	50	20	2C	500				AT421	4000
TERRAIN	473306.00N/1173321.00W		2879 (2900)								AS1000	3900

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL

FROM  
LOWAL/7.53 DME

TO  
GEG 13.82 DME

RNP	DISTANCE 6.29	PAT	MAP GEG 13.82 DME	HAT 1011	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	473757.00N/1172238.92W		2579	50	20	2C	250				XL15 MA116	2960

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM  
GEG VORTAC

TO  
10 NM

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	473306.10N/1174333.60W		3149	1000	3	6A	1000				AT351	4500
TERRAIN	473306.10N/1174333.60W		2949 (2900)								AS1500	4400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH

FROM

GEG 13.82 DME

TO

GEG VORTAC

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2695					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (53-000580)	474139.55N/1172006.07W		2732	20	3	1A		ASC				4500
AAO	473306.00N/1173321.00W		3079	50	20	2C	1000					4100
TERRAIN	473306.00N/1173321.00W		2879 (2900)								AS1500	4400

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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 (53-114827)	474205.89N/1171740.57W	1.32	1003	2253	20	3	1A	300		SI	2960
CATEGORY B											
TREE (53-060153)	474231.03N/1171704.49W	1.88	1003	2296	20	3	1A	300		SI	2960
CATEGORY C											
TREE (53-112286)	473752.75N/1171850.78W	2.96	1143	2788	50	20	2C	300			3100
CATEGORY D											
TREE (53-112685)	473739.83N/1171846.39W	3.92	1403	2838	50	20	2C	300		XP220	3360

CIRCLING REMARKS:

XP 220 - TO MAINTAIN PREVIOUS PUBLISHED MINS

MSA

CENTER

GEG VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
007-187	AAO	475503.00N/1170836.00W	029	28.8	5420	164	98	4E	1000			6500
187-007	AAO	475733.00N/1174000.00W	342	23.7	4203	164	98	4E	1000			5300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT 25 FT PER FPT



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
SFF TOWER, GEG APP CON

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KSFF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSFF	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KGEF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGEF	<u>DISTANCE</u> 9.42	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 78

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KSFF 1957, KGEF 2357  
RA = 77.1.

<u>PRIMARY NAVAID</u> GEG VORTAC	<u>MONITOR POINT</u> OCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW04R		BSC-G	
RW22L - PAPI-4L		BSC-G	
RW04L - MIRL (PCL), REIL (PCL), VASI-2L		NPI-G	
RW22R - MALSR (PCL), MIRL (PCL), VASI-2R		PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 49.7
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

☐

64 FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

☒

FT FROM CENTERLINE

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RW22L		
20:1			
2045 TREE (53-024448) 474115.49N/1171831.12W (8.57)		2064 TREE (53-115236) 474116.50N/1171824.17W (5.29)	
Final Type	S-04L		
34:1			
2000 TREE (53-115735) 474032.08N/1172009.38W (9.99)		1987 TRANSMISSION_LINE (53-022922) 474038.67N/1172009.43W (8.41)	
1987 POLE (53-060218) 474038.67N/1172009.43W (8.41)		1973 BUILDING (53-022569) 474037.83N/1172002.22W (4.71)	
1971 TREE (53-025596) 474041.84N/1172006.28W (3.08)		1985 TRANSMISSION_LINE (53-000533) 474036.95N/1172009.67W (3.01)	
1985 POLE (53-026637) 474036.95N/1172009.67W (3.01)		1979 TRANSMISSION_LINE (53-022921) 474038.29N/1172008.62W (1.07)	
1979 POLE (53-025599) 474038.29N/1172008.62W (1.07)			

PENETRATIONS REMARKS:

CIRCLING RWY 22R 20:1 PENETRATION: 53-115605, 1958 FT MSL, LIGHTING, 474112.22N/1171857.25W, DISREGARDED AS IT IS PART OF THE ALS IAW 8260.19I, 3-3-2 C (5)

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or  
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPOKANE INTL ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET. VDP NA WITH SPOKANE INTL ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.





<div>AIRPORT ID</div> <div>KSFF</div>	<div>PROCEDURE NAME</div> <div>VOR RWY 4L</div>	<div>AMDT NO.</div> <div>6B</div>	<div>CITY</div> <div>SPOKANE</div>	<div>STATE</div> <div>WA</div>	<div>AIRPORT ELEVATION</div> <div>1957</div>	<div>FACILITY</div> <div>GEG</div>
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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	4.29
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	060.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2400
DISTANCE FROM	THLD	TO 1500FT POINT	6.09
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.77
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	060.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	2400

THRESHOLD  
COORDINATES  
(IF STR-IN)

474045.12N/1171952.99W

ARP COORDINATES

474058.59N/1171920.73W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 4L DISTANCE 0.43 NM

FAF  
COORDINATES

473738.28N/1172757.57W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSAPCE REQUIRED

QUALITY

35

CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> TYLER MITCHELL	<u>OFFICE</u> AJV-A432	<u>DATE</u> 01/27/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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