

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
CAG	VOR RWY 25	5	CRAIG	CO		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
6198	6198	VOR RWY 25	4	05/24/2018	14E	1970
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
CHE			ROUTINE			

**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>
LORIN/CHE 10.00 DME CW	IAF	JABIX/10.00 DME	NOPT				10.00 DME ARC		12000
JABIX/10.00 DME	IF	CHE VOR/DME					274.00	10.00	9300

**MISSED APPROACH**

**MAP:**

9.57 NM AFTER CHE VOR/DME OR AT CHE 9.57 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 10000 ON CHE VOR/DME R-252 TO STRIM INT/24.60 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT** R      **SIDE OF COURSE** 094.00      **OUTBOUND** 11300      **FT WITHIN** 10      **MILES OF** CHE VOR/DME (IAF)  
2.  
3. **FAC:** 247.44      **FAF:** CHE VOR/DME      **DIST FAF TO MAP:** 9.57      **DIST FAF TO THLD:** 9.57  
4. **MIN ALT:** CHE VOR/DME 9300, ZUPGI/3.74 DME 8100  
8. **MSA FROM:** CHE VOR/DME 040-220 13400, 220-310 10100, 310-040 12100

**NOTES:**

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: STRAIGHT-IN AND CIRCLING RWY 25 NA AT NIGHT.  
CHART NOTE: CIRCLING NA FOR CAT D S OF RWY 07-25.

**ADDITIONAL FLIGHT DATA:**

HOLD W, RT, 071.89 INBOUND.  
FAS OBST: 7108 TREE 402918N/1072836W.  
CHART CHE R- AT LORIN.  
CHE VOR/DME TO RW25: 3.02/32.  
CHART CIRCLING ICON.

QUALITY  
10  
CHECKED

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

ALTERNATE: NA ☐ NA WHEN LOCAL WEATHER NOT AVAILABLE.; CAT A, B 2000-2, CAT C, D 2000-3

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-25	8100	1 1/4	1902	8100	1 1/2	1902	8100	3	1902	8100	3	1902			
CIRCLING	8100	1 1/4	1902	8100	1 1/2	1902	8100	3	1902	8100	3	1902			
ZUPGI FIX MINIMUMS															
S-25	7360	1 1/4	1162	7360	1 1/2	1162	7360	3	1162	7360	3	1162			
CIRCLING	7360	1 1/4	1162	7360	1 1/2	1162	7360	3	1162	7360	3	1162			

CHANGES - REASONS

1. PROFILE LINE 4: UPDATED FROM "CHE VOR/DME 9300, ZUPGI/4.42 DME 7880" TO "CHE VOR/DME 9300, ZUPGI/3.74 DME 8100". – ATC REQUESTED NEW SDF ALTITUDE.  
2. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "CHART FAS OBST: 7020 TOWER 402917N/1072835W." TO "FAS OBST: 7108 TREE 402918N/1072836W." – NEW EVALUATION.  
3. ALTERNATE: UPDATED FROM "CAT A, B 1700-2, CAT C, D 1700-3" TO "NA WHEN LOCAL WEATHER NOT AVAILABLE.; CAT A, B 2000-2, CAT C, D 2000-3" NEW MINIMUMS.  
4. INCREASED S-25 WITHOUT SDF MDA/HAT ALL CATS FROM "7880/1682" TO "8100/1902". NEW SDF ALTITUDE.  
5. INCREASED CIRCLING WITHOUT SDF MDA/HAA ALL CATS FROM "7880/1682" TO 8100/1902". NEW SI MINIMUMS AND EVALUATION.  
6. INCREASED S-25 WITH SDF MDA/HAT ALL CATS FROM "7280/1082" TO "7360/1162" – NEW CONTROLLING OBSTACLE.  
7. CHANGED CIRCLING WITH SDF MDA/HAA INCREASED CAT A FROM "7280/1082" TO "7360/1162" CAT B FROM "7320/1122" TO "7360/1162" DECREASED CAT C, D FROM "7720/1522" TO "7360/1162". – NEW CONTROLLING OBSTACLES.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV ARTCC, AMGR, DEN FSS, CO AERO.

FLIGHT CHECKED BY

JEFFREY J SCORSE

Digitally signed by  
CASIMIR L TABAKA  
May 17, 2024

OFFICE

FPO

DATE

05/16/2024

DEVELOPED BY

CHRISTOPHER SCHONES

Digitally signed by  
CHRISTOPHER SCHONES  
Feb 13, 2024

OFFICE

AJV-A432

DATE

11/24/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by  
CASIMIR L TABAKA  
Feb 15, 2024

OFFICE

AJV-A432

DATE

05/16/2024

TITLE

MANAGER



**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>
CAG	VOR RWY 25	5	CRAIG	CO	6198	CHE

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL: ARC**

**FROM** LORIN/CHE 10.00 DME CW  
**TO** JABIX/10.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<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	402545.00N/1070539.00W	8311	215	8	4B	1000				PR160 AT2529	12000
TERRAIN	402545.00N/1070539.00W	8110 (8100)								AS1500	9600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE**

**FROM** JABIX/10.00 DME  
**TO** CHE VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	10.00										
<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	403318.00N/1070309.00W	8757	215	8	4B	500				SA-393 PR150 AT286	9300
TERRAIN	403203.00N/1070554.00W	7890 (7900)								AS1000	8900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

QUALITY  
10  
CHECKED

INTERMEDIATE: PT

FROM

10 NM

TO

CHE VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	10.00										
<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	402724.00N/1070609.00W	7937	215	8	4B	500				PR110 AT753	9300
TERRAIN	402724.00N/1070609.00W	7736 (7700)								AS1500	9200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

CHE VOR/DME

TO

ZUPGI/3.74 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	3.74						1902				
<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	403112.00N/1071818.00W	7461	215	8	4B	250				XL179 AT210	8100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: STEPDOWN

FROM

ZUPGI/CHE 3.74 DME

TO

9.57 NM AFTER CHE VOR/DME OR AT CHE 9.57 DME

RNP

DISTANCE

PAT

MAP

HAT

HMAS

5.83

9.57 NM AFTER CHE VOR/DME OR AT CHE 9.57 DME

1162

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	402918.00N/1072836.00W	7108	215	8	4B	250					7360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

ENTRY ZONE

FROM

CHE VOR/DME

TO

10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

AAO

402442.00N/1072415.00W

8019

215

8

4B

1000

PR140

9200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



PROCEDURE TURN

FROM

CHE VOR/DME

TO

10 NM

<u>RNP</u>	<u>DISTANCE</u>	<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	403445.00N/1070718.00W	9177	215	8	4B	1000				PR240 AT883	11300
TERRAIN	402442.00N/1072415.00W	7818 (7800)								AS1500	9300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM

9.57 NM AFTER CHE VOR/DME OR AT CHE 9.57 DME

TO

STRIM INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 7110			
<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				10000
AAO	402400.00N/1074827.00W	7215	250	10	4B	1000					8300
TERRAIN	402400.00N/1074827.00W	7014 (7000)								AS1500	8500

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	403112.00N/1073042.00W	1.43	1902/1162	6574	215	8	4B	300		SI/SI	8100/7360
CATEGORY B											
TREE	403142.00N/1073021.00W	2.05	1902/1162	6728	215	8	4B	300		SI/SI	8100/7360
CATEGORY C											
AAO	403003.00N/1072624.00W	3.26	1902/1162	6811	215	8	4B	300		SI/SI	8100/7360
CATEGORY D											
AAO	403321.00N/1072757.00W	4.29	1902/1162	7012	215	8	4B	300		SI/SI	8100/7360

CIRCLING REMARKS:

MSA

CENTER  
CHE VOR/DME

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
040-220	AAO	400457.00N/1070548.00W	146	27.9	12333	250	10	4B	1000			13400
220-310	AAO	404545.00N/1072545.00W	325	15.6	9055	215	8	4B	1000			10100
310-040	AAO	404548.00N/1070327.00W	024	18.5	11060	250	10	4B	1000			12100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

DEN FSS, ZDV ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	CAG	24	CAG	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3PT	HDN	24	HDN	13.94	Y	90

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KCAG 6198, KHDN 6606  
RA = 89.3.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
CHE VOR/DME	POCC	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW07 - MIRL (PCL), REIL (PCL)	NPI-F	
RW25 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-F	

<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>	<u>TCH</u>
					3.00	32.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<div>X</div>	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:





<u>AIRPORT ID</u> CAG	<u>PROCEDURE NAME</u> VOR RWY 25	<u>AMDT NO.</u> 5	<u>CITY</u> CRAIG	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 6198	<u>FACILITY</u> CHE
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"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	S-25 ND CIRCLING
20:1	
6245 TREE (08-025967) 402950.0400N/1073030.9100W (12.82)	6219 TREE (08-070373) 402948.7600N/1073036.5400W (9.2)
6213 TRAVERSE_WAY (08-071101) 402945.3300N/1073037.5400W (9.15)	6211 TRAVERSE_WAY (08-028608) 402944.7300N/1073037.6300W (7.86)
6219 TREE (08-027348) 402948.4700N/1073036.0700W (7.58)	6211 TRAVERSE_WAY (08-032145) 402945.6500N/1073037.4900W (6.76)
6212 TRAVERSE_WAY (08-032183) 402948.7200N/1073037.6900W (6.63)	6211 TRAVERSE_WAY (08-026409) 402948.2700N/1073037.4400W (4.95)
6211 TRAVERSE_WAY (08-026491) 402947.9200N/1073037.3300W (4.75)	6209 TRAVERSE_WAY (08-028607) 402946.0000N/1073037.4200W (4.27)
6209 TRAVERSE_WAY (08-026410) 402947.0000N/1073037.2700W (3.08)	6207 TRAVERSE_WAY (08-032144) 402946.3200N/1073037.3600W (1.85)
6208 TRAVERSE_WAY (08-026407) 402947.7800N/1073037.3300W (1.83)	6207 TRAVERSE_WAY (08-070374) 402946.7400N/1073037.3100W (1.4)
FINAL TYPE	S-25 ND CIRCLING
34:1	
6259 TREE (08-028618) 402952.0400N/1073020.4100W (16.78)	6246 TREE (08-026229) 402950.9700N/1073022.4400W (8.75)
6230 TREE (08-070225) 402950.1900N/1073028.6900W (7.12)	6230 TREE (08-028587) 402944.6200N/1073026.7000W (4.66)
6204 FENCE (08-023062) 402948.5000N/1073037.7600W (2.19)	6202 FENCE (08-023063) 402945.2800N/1073037.7100W (1.25)
PENETRATIONS REMARKS:	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ZUPGI ALTITUDE OF 8100 IS ATC REQUESTED.  
  
CONTINGENCY BACKUP ALTIMETER NOTE:  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAYDEN ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET.  
  
SEE ATTACHED AIRSPACE LETTER.  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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

Electronic Version

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<u>AIRPORT ID</u> CAG	<u>PROCEDURE NAME</u> VOR RWY 25	<u>AMDT NO.</u> 5	<u>CITY</u> CRAIG	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 6198	<u>FACILITY</u> CHE
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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	7.95
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.16
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	261.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	7300
DISTANCE FROM	THLD	TO 1500FT POINT	8.57
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.10
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	261.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	7300

THRESHOLD COORDINATES (IF STR-IN)

402946.14N/1073041.99W

ARP COORDINATES

402942.80N/1073118.00W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 25 DISTANCE 0.46 NM

FAF COORDINATES

403112.29N/1071817.64W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CHRISTOPHER SCHONES	AJV-A432	11/24/2023	AERONAUTICAL INFORMATION SPECIALIST

