

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> EEO	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MEEKER	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 6415	<u>TDZE</u>	<u>SUPERSEDED</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/15/2021
<u>FACILITY</u> EKR	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 5/16/2024	<u>MAG VAR</u> 9E
				<u>EPOCH YEAR</u> 2025
				<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>
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MISSED APPROACH

MAP:

2.09 NM AFTER EKR VOR/DME OR AT EKR /2.09 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 9000 ON EKR VOR/DME R-113 THEN CLIMBING LEFT TURN TO 10700 DIRECT EKR VOR/DME AND HOLD, CONTINUE CLIMB IN HOLD TO 10700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 262.84 OUTBOUND 9700 FT WITHIN 10 MILES OF EKR VOR/DME (IAF)  
2.  
3. FAC: 112.84 FAF: EKR VOR/DME DIST FAF TO MAP: DIST FAF TO THLD:  
4. MIN ALT: EKR VOR/DME 8800  
8. MSA FROM: EKR VOR/DME 030-180 13200, 180-030 10500

NOTES:

CHART NOTE: CIRCLING NA WEST OF RWY 3-21.  
CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: CIRCLING RWY 21 NA AT NIGHT.  
CHART 10200 PRIOR TO EKR VOR/DME IN PROFILE.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 082.84 INBOUND.  
CHART FAS OBST: 6944 TREE 400406N/1075257W.  
CHART 7678 TREE 400400N/1075530W.



MINIMUMS:  
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT  
ALTERNATE: NA ☐ CAT A, B 1700-2, CAT C 2300-3

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
CIRCLING	8020	1 1/4	1605	8020	1 1/2	1605	8620	3	2205		NA				

CHANGES - REASONS

1. AIRPORT MAG VAR UPDATED FROM 14E TO E9E – MAG VAR OUT OF TOLERANCE, UPDATED TO 2025 TABLES.  
2. MAP: CHANGED FROM “2.04 AFTER EKR VOR/DME OR AT EKR 2.04 DME” TO “2.09 AFTER EKR VOR/DME OR AT EKR 2.09 DME” – MAP POINT ALIGNED TO CURRENT CRITERIA/8260.3E, PAR 8-1-7.  
3. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB VIA EKR VOR/DME R-107 TO 8600, THEN CLIMBING LEFT TURN TO 10000 DIRECT EKR VOR/DME AND HOLD.” TO “CLIMB TO 9000 ON EKR VOR/DME R-113 THEN CLIMBING LEFT TURN TO 10700 DIRECT EKR VOR/DME AND HOLD, CONTINUE CLIMB IN HOLD TO 10700.” – DUE TO NEW TARGETS EVALUATION AND EKR VOR/DME MAG VAR UPDATE.  
4. PROFILE: LINE 1 UPDATED SIDE OF COURSE “276.94” AND OUTBOUND “9900” TO “262.84” AND “9700” – DUE TO NEW TARGETS EVALUATION AND ATC REQUESTS NEW PROCEDURE TURN COURSE.  
5. PROFILE: LINE 3 UPDATED FAC: FROM “106.94” TO “112.84” – DUE TO NEW EVALUATION AND MAG VAR UPDATE.  
6. PROFILE: LINE 8 MSA UPDATED FROM “EKR VOR/DME 030-180 13100, 180-030 10100” TO “EKR VOR/DME 030-180 13200, 180-030 10500” – NEW TARGETS EVALUATION/CONTROLLING OBSTACLES.  
7. NOTES: AMENDED CHART NOTE FROM “CIRCLING NOT AUTHORIZED WEST OF RWY 3-21.” TO “CIRCLING NA WEST OF RWY 3-21” – FORMAT IAW 8260.19I 8-6-11.O(5).  
8. NOTES: UPDATED CHART NOTE “HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.” TO “RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.” – UPDATED NOTE FORMAT IAW 8260.19I 8-6-11.K(3).  
9. NOTES: CHANGED CHART NOTE FROM “NIGHT LANDING: RWY 21 NA.” TO “CIRCLING RWY 21 NA AT NIGHT.” – UPDATED IAW 8260.19I PARA 8-6-11.O(2)(G).  
10. NOTES: ADDED “CHART 10200 PRIOR TO EKR VOR/DME IN PROFILE.” – NEW ENTRY ZONE OBSTACLE/IAW 8260.19I 8-6-7A(2).  
11. ADDITIONAL FLIGHT DATA: CHANGED “HOLD W, RT, 090.00 INBOUND.” TO “HOLD W, RT, 082.84 INBOUND” – NEW HOLDING ORIENTATION PER ATC AND MAG VAR UPDATE.  
12. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 6979 100' TREE 400357N/1075309W.” TO “CHART FAS OBST: 6944 TREE 400406.00N/1075257.00W.” – DUE TO NEW TARGETS EVALUATION.  
13. ADDITIONAL FLIGHT DATA: CHANGED “CHART 7715 TREE 400358N/1075533W.” TO “CHART 7678 TREE 400400N/1075530W.” – NEW TARGETS EVALUATION AND 7:1 OBSTACLE TAKEN.  
14. CHANGED ALTERNATE MINIMUMS FROM NA TO “CAT A, B 1700-2, CAT C 2300-3” – NEW EVALUATION.  
15. MINIMUMS: INCREASED MDA/HAA FROM CAT A, B 8000/1585 AND CAT C 8440/2025 TO CAT A, B 8020/1605, AND CAT D 8620/2205 – NEW TARGETS EVALUATION.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, AMGR

FLIGHT CHECKED BY

PENDING  
Digitally signed by  
CASIMIR L TABAKA  
Feb 09, 2024

OFFICE

OFFICE  
AJV-A432

DATE

DATE  
01/04/2024

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by  
CASIMIR L TABAKA  
Feb 05, 2024

OFFICE

AJV-A432

DATE

TITLE  
MANAGER

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by  
CASIMIR L TABAKA  
Feb 05, 2024



**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>
EEO	VOR-A	2	MEEKER	CO	6415	EKR

**PART A: OBSTRUCTION DATA SEGMENTS**

**INTERMEDIATE: PT**

**FROM**  
10 NM

**TO**  
EKR VOR/DME

<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>
TREE	400403.00N/1075530.00W	7682	215	8	4B	500				PR130 AT488	8800
TERRAIN	400403.00N/1075530.00W	7631 (7600)								AS1000	8600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL**

**FROM**  
EKR VOR/DME

**TO**  
2.09 NM AFTER EKR VOR/DME OR AT EKR /2.09 DME

<u>RNP</u>	<u>DISTANCE</u> 2.09	<u>PAT</u>	<u>MAP</u> 2.09 NM AFTER EKR VOR/DME OR AT EKR /2.09 DME				<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>
TREE	400406.00N/1075257.00W	6944	215	8	4B	250				PR80 MA746	8020

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

QUALITY  
10  
CHECKED

ENTRY ZONE

FROM

EKR 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	400954.00N/1075342.00W	8891	215	8	4B	1000				PR280	10200
TERRAIN	400954.00N/1075342.00W	8690 (8700)								AS1500	10200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

EKR 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	395527.00N/1075927.00W	8370	215	8	4B	1000				PR220	9600
TERRAIN	395527.00N/1075927.00W	8169 (8200)								AS1500	9700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH

FROM

2.09 NM AFTER EKR VOR/DME OR AT EKR /2.09 DME

TO

EKR VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
							7690				
<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>
TREE (08-047124)	400354.75N/1075221.44W	6551	20	3	1A		ASC				10700
AAO	400954.00N/1075342.00W	8891	215	8	4B	1000				PR250	10200
TERRAIN	400954.00N/1075342.00W	8690 (8700)								AS1500	10200

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

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE	400248.00N/1075127.00W	1.44	1605	6829	215	8	4B	300		SI	8020
CATEGORY B											
TERRAIN (08-039662)	400459.10N/1075129.80W	2.08	1605	7081	20	3	1A	300		SI	8020
CATEGORY C											
AAO	400521.00N/1074918.00W	3.35	2205	8311	215	8	4B	300			8620

CIRCLING REMARKS:

MSA

CENTER

EKR VOR/DME

RADIUS

25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
030-180	AAO	395900.00N/1071927.00W	091	28.1	12152	215	8	4B	1000			13200
180-030	AAO	394942.00N/1075312.00W	164	14.4	9459	215	8	4B	1000			10500

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> EEO	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> EEO	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 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>

WX REMARKS:

BACKUP ALTIMETER NOT PUBLISHED DUE TO EXCESSIVE RASS ADJUSTMENT AND FPT REQUEST.

<u>PRIMARY NAVAID</u> EKR VOR/DME	<u>MONITOR POINT</u> OCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW03 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-F	
RW21 - MIRL (PCL), REIL (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>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="text"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="text"/>	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	VOR CIRCLING RWY 21.
20:1	
6464 VEGETATION (08-047539) 400327.05N/1075233.04W (8.92)	6483 FENCE (08-066477) 400332.84N/1075234.19W (8.18)
6442 VEGETATION (08-047620) 400324.74N/1075237.51W (7)	6443 VEGETATION (08-042941) 400323.89N/1075235.76W (6.99)
6439 VEGETATION (08-038034) 400325.49N/1075239.89W (6.97)	6431 VEGETATION (08-047952) 400322.17N/1075237.83W (6.82)
6431 VEGETATION (08-047619) 400323.83N/1075240.21W (6.24)	6461 TERRAIN (08-047148) 400328.47N/1075235.40W (6.23)
6471 TERRAIN (08-047543) 400331.22N/1075235.61W (6.02)	6451 TERRAIN (08-038037) 400325.51N/1075234.65W (5.92)
6461 VEGETATION (08-066482) 400329.73N/1075237.18W (5.72)	6450 TERRAIN (08-038036) 400327.60N/1075238.15W (5.43)
6452 VEGETATION (08-065369) 400325.19N/1075233.47W (5.24)	6462 TERRAIN (08-047542) 400330.35N/1075237.30W (4.6)
6473 FENCE (08-037922) 400330.44N/1075232.92W (4.4)	6485 VEGETATION (08-042020) 400333.87N/1075233.26W (3.86)
6465 FENCE (08-046902) 400328.30N/1075231.76W (1.88)	
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:

50 FT VEGETATION PER FPT.

PT ALIGNED TO AVOID RISING TERRAIN NORTH OF PT AREA.

ORDER 8260.3 CHAPTER 2 APPLIED TO 7678 TREE 400400.00N/1075530.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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	MAP	TO 1000FT POINT	1.42
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.07
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	121.84
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	7600
DISTANCE FROM	MAP	TO 1500FT POINT	9.09
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.78
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	271.84
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	7600

THRESHOLD COORDINATES (IF STR-IN)

ARP COORDINATES	400255.70N/1075309.30W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 3 DISTANCE 0.54 NM
FAF COORDINATES	400402.79N/1075529.82W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)	AJV-A432	01/04/2024	AERONAUTICAL INFORMATION SPECIALIST

