

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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> KGLD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> GOODLAND	<u>STATE</u> KS		
<u>AIRPORT ELEVATION</u> 3657	<u>TDZE</u> 3655	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 01/30/2020	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<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>
GLD VORTAC		HEGOR		TF	FO	1.00	057.59	12.44	5600
MCJEF		GEREY		TF	FB	1.00	134.45	38.49	5600
DEPAY	IAF	HEGOR	NOPT	TF	FB	1.00	317.02	8.00	5600
GEREY	IAF	HEGOR	NOPT	TF	FB	1.00	144.19	6.70	5600
HEGOR	IF/IAF	PUMKE		TF	FB	1.00	234.23	7.80	5300
PUMKE	FAF	RW23	MAP	TF	FO	0.30	234.13	5.10	
RW23	MAP	4056 MSL		CA			234.13		
4056 MSL		HEGOR		DF	FO	1.00			5600

MISSED APPROACH

MAP:

LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 5600 DIRECT HEGOR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD NE HEGOR, RT, 234.23 INBOUND, 5600 FT. IN LIEU OF PT (IAF), MAX 14000.
3. FAF: 234.13FAF: PUMKEDIST FAF TO MAP: 5.10DIST FAF TO THLD: 5.10
4. MIN ALT: HEGOR 5600, PUMKE 5300
5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:
6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:
7. GP ANGLE:34:1: IS CLEAR20:1: IS CLEARTCH:
8. MSA FROM: RW23 5700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 17 AND 35.
CHART NOTE: CIRCLING NA S OF RWYS 5 AND 30.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GLD VORTAC AIRWAY RADIALS 084 CW 140.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MCJEF ON V220 WESTBOUND AND V148 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 3838 TOWER 392430N/1013801W.
CHART VDP AT 1.26 NM TO RW23.
CHART CIRCLING ICON.
PUMKE TO RW23: 3.00/39.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LNAV MDA	4080	1	425	4080	1	425	4080	1 1/4	425		NA				
CIRCLING	4080	1	423	4120	1	463	4120	1 1/2	463		NA				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P NOTAMS INTO THE FORM. - 8260.19H.
2. REMOVED BACKUP ALTIMETER NOTE - MOVED TO -9 FOR CONTINGENCY
3. CHANGED " CHART FAS OBST: 3810 AAO 392346N/1013706W" TO "CHART FAS OBST: 3838 TOWER 392430N/1013801W" - 8260.19H, 8-6-10, C.
4. CHANGED LNAV MDA/HAT FROM "4060 / 405" TO "4080 / 425" - NEW CONTROLLING OBSTACLE.
5. PROFILE LINE 7: ADDED "20:1 IS CLEAR" AND CHANGED "34:1 IS NOT CLEAR" TO "34:1 IS CLEAR" - NEW OBSTACLE EVALUATION, 8260.19H, 8-6-7.
6. ADDED "RNP APCH" TO PBN EQUIPMENT REQUIREMENT NOTES - 8260.19H, 8-6-8, B(1).
7. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - 8260.19H, 8-6-8, N.
8. PROFILE LINE 7: ADDED "MAX 14000" - 8260.19H, 8-6-7, B(2).
9. DELETED "CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." - NO 20:1 PENETRATIONS
10. ADDED ADDITIONAL FLIGHT DATA "CHART VDP AT 1.26 NM TO RW23." - NO 20:1 PENETRATIONS.
11. DELETED "CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT, CIRCLING RWY 5, 23 NA AT NIGHT." - NO 20:1 PENETRATIONS.
12. CHANGED FEEDER ROUTE SEGMENTS RNP VALUE FROM "2.00" TO "1.00" - 8260.58A, TABLE 1-2-1
13. CHANGED INTERMEDIATE ROUTE SEGMENT FROM HEGOR TO PUMKE RNP VALUE FROM "0.50" TO "1.00" - 8260.58A, TABLE 1-2-1

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDV, ZKC, AMGR, KS STATE AERO

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-1000) MEMO, DATED JUNE 4, 2020, SUBJECT:
FLIGHT INSPECTION OF NEW CONTROLLING OBSTACLES.

OFFICE**DATE**

Digitally signed by

JASON KRETSCHMER

Dec 01, 2020

OFFICE

AJV-A421

DATE

09/14/2020

DEVELOPED BY

JASON KRETSCHMER (HENRY A BRADSHAW)

Digitally signed by

JASON KRETSCHMER

Dec 01, 2020

OFFICE

AJV-A420

DATE

TITLE
MANAGER

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Dec 01, 2020

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

<u>AIRPORT ID</u> KGLD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> 1D	<u>CITY</u> GOODLAND	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 3657	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
GLD VORTAC

TO
HEGOR

<u>RNP</u>	<u>DISTANCE</u> 12.44	<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>
1.TOWER (20-000741)	392810.00N/1013321.00W		4525	500	50	5D	1000					5600
2.TERRAIN	392318.00N/1014133.00W		3652 (3700)								AS1500	5200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM
MCJEF

TO
GEREY

<u>RNP</u>	<u>DISTANCE</u> 38.49	<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>
3.TOWER (20-001459)	394403.00N/1014021.00W		3983	500	50	5D	1000				AT617	5600
4.TERRAIN	395727.00N/1015642.00W		3665 (3700)								AS1500	5200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID KGLD	PROCEDURE NAME RNAV (GPS) RWY 23	AMDT NO. 1D	CITY GOODLAND	STATE KS	AIRPORT ELEVATION 3657	FACILITY RNAV					
INITIAL											
FROM DEPAY			TO HEGOR								
RNP	DISTANCE 8.00	PAT	MAP	HAT	HMAS						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.AAO	392324.00N/1012803.00W	3711	164	98	4E	1000				AT889	5600
6.TERRAIN	392342.00N/1012803.00W	3511 (3500)								AS1500	5000

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

SEGMENT REMARKS:

INITIAL											
FROM GEREY			TO HEGOR								
RNP	DISTANCE 6.70	PAT	MAP	HAT	HMAS						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	392930.00N/1013348.00W	3757	164	98	4E	1000				AT843	5600
8.TERRAIN	392936.00N/1013209.00W	3521 (3500)								AS1500	5000
COMPUTATIONS											
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
HEGOR (IF/IAF)

TO
PUMKE

RNP	DISTANCE 7.80	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (20-000741)	392810.00N/1013321.00W		4525	500	50	5D	500				AT275	5300
9.TERRAIN	392442.00N/1013512.00W		3580 (3600)								AS1500	5100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
PUMKE

TO
RW23

RNP	DISTANCE 5.10	PAT	MAP RW23	HAT 425			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.TOWER (20-053788)	392430.44N/1013800.67W		3838	50	20	2C	250				SA-21	4080

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
HEGOR

TO
P-6

RNP	DISTANCE	PAT P-6	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (20-000741)	392810.00N/1013321.00W		4525	500	50	5D	1000					5600
11.TERRAIN	392812.00N/1013427.00W		3560 (3600)								AS1500	5100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM
RW23

TO
HEGOR

RNP	DISTANCE	PAT	MAP	HAT			HMAS 3980					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5600
1.TOWER (20-000741)	392810.00N/1013321.00W		4525	500	50	5D	1000					5600
12.TERRAIN	391527.00N/1014800.00W		3780 (3800)								AS1500	5300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

KGLD

PROCEDURE NAME

RNAV (GPS) RWY 23

AMDT NO.

1D

CITY

GOODLAND

STATE

KS

AIRPORT ELEVATION

3657

FACILITY

RNAV

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											
13.ANTENNA (20-061562)	392255.55N/1014335.79W	1.36	423	3746	20	3	1A	300		SI	4080
CATEGORY B											
14.AG_EQUIP (20-061663)	392406.10N/1014233.20W	1.94	463	3762	20	3	1A	300		HAA	4120
CATEGORY C											
15.RIG (20-061666)	392046.53N/1014522.97W	3.07	463	3765	20	3	1A	300		HAA	4120

CIRCLING REMARKS:

MSA

CENTER

RW23

RADIUS

25

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

LNAV/VNAV NOT DEVELOPED, NO ANA SURVEY.

TAA NOT DEVELOPED PER AT REQUEST.

ALL VEGITATION ASSUMED 100 FEET AS PER FPO.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZDV ARTCC, ICT FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KGLD	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KGLD	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KITR	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KITR	<u>DISTANCE</u> 28.31	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 140

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KGLD 3657, KITR 4193
RA = 140.00.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW05 - MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW23 - MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW12 - MIRL (PCL), REIL (PCL)		PIR-G	
RW30 - MALSR (PCL), MIRL (PCL)		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> 38.6
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	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



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON, CO ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET AND CAT C VISIBILITY 3/8 SM.
CHART NOTE: VDP NA WITH BURLINGTON, CO ALTIMETER SETTING.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KGLD	PROCEDURE NAME RNAV (GPS) RWY 23	AMDT NO. 1D	CITY GOODLAND	STATE KS	AIRPORT ELEVATION 3657	FACILITY RNAV
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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	3.10
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	243.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3700
DISTANCE FROM	THLD	TO 1500FT POINT	4.90
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	243.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	3700

THRESHOLD
COORDINATES
(IF STR-IN)

392222.34N/1014138.86W

ARP COORDINATES

392214.26N/1014156.35W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 30 DISTANCE 0.53 NM

FAF
COORDINATES

392440.91N/1013546.80W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
20
CHECKED

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

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> JASON KRETSCHMER (HENRY A BRADSHAW)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 09/14/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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