

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</u> BIG HORN COUNTY	<u>AIRPORT ID</u> 00U	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> HARDIN	<u>STATE</u> MT	
<u>AIRPORT ELEVATION</u> 3025	<u>TDZE</u> 3015	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> CONCURRENT WITH 19-ANM-6	<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>
ZAGHI		CIRDI		TF	FB	1.00	021.55	12.59	6500
CIRDI		COGON		TF	FO	1.00	021.67	7.08	6500
CONUK	IAF	COGON	NOPT	TF	FB	1.00	199.73	28.25	6500
COGON	IF/IAF	OVI BY	PFAF	TF	FB	1.00	260.03	6.00	4600
OVI BY	FAF	WIMEN/3.06 NM TO RW26		TF	FB	0.30	260.01	1.82	
WIMEN/3.06 NM TO RW26		JADLO/1.87 NM TO RW26		TF	FB	0.30	260.01	1.19	
JADLO/1.87 NM TO RW26		RW26	MAP	TF	FO	0.30	260.01	1.87	
RW26	MAP	3215 MSL		CA			260.01		
3215 MSL		ZEVOP		DF	FB	1.00			
ZEVOP		NIBBE		TF	FO	1.00	309.14	15.30	6000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW26

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT ZEVOP AND ON TRACK 309.14 TO NIBBE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD E COGON, RT, 260.03 INBOUND, 6500 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAC: 260.01 PFAF: OVIBY DIST PFAF TO MAP: 4.88 DIST PFAF TO THLD: 4.88

4. MIN ALT: COGON 6500, OVIBY 4600, WIMEN/3.06 NM TO RW26 4020*, JADLO/1.87 NM TO RW26 3640*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.53 GS ANT:

6. MIN GP INCPT: 4600 GP ALT AT PFAF : OVIBY 4600 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM: RW26 6200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CONUK ON V2-465 NORTHEAST BOUND

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 3069 TREE 454306N/1073621W
CHART POWDER RIVER MOA.
*LNAV ONLY
CHART VDP AT 0.86 NM TO RW 26*
3517 AAO 454445N/1073206W, 3235 AAO 454348N/1073430W.
CHART CIRCLING ICON.
WAAS CHANNEL #65644
REFERENCE PATH ID: W26A
HOLD NE, RT, 243.81 INBOUND
LTP HAE: 901.4 M

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
LPV DA	3215	1	200	3215	1	200		NA			NA				
LNAV/VNAV DA	3265	1	250	3265	1	250		NA			NA				
LNAV MDA	3320	1	305	3320	1	305		NA			NA				
CIRCLING	3480	1	455	3500	1	475		NA			NA				



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	00U
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	454439.8740N
LTP/FTP LONGITUDE	1073905.9785W
LTP/FTP ELLIPSOIDAL HEIGHT	+09014
FPAP LATITUDE	454439.7425N
FPAP LONGITUDE	1074113.2060W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1384
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	EE87DF1C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09159
FPAP ORTHOMETRIC HEIGHT	+09159



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
BIG HORN COUNTY	00U	RNAV (GPS) RWY 26	ORIG	HARDIN	MT	3025	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM ZAGHI TO CIRDI

<u>RNP</u>	<u>DISTANCE</u> 12.59	<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.AAO	452612.00N/1073636.00W		4307	164	98	4E	2000				AT100	6500
2.TERRAIN	452718.00N/1073639.00W		3887 (3900)								AS1500	5400

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM CIRDI TO COGON

<u>RNP</u>	<u>DISTANCE</u> 7.08	<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.AAO	454357.00N/1072157.00W		3835	164	98	4E	2000				AT570	6500
4.TERRAIN	454357.00N/1072157.00W		3635 (3600)								AS1500	5100

COMPUTATIONS

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

SEGMENT REMARKS:



FACILITY
RNAV

HMASRF CENTER FIX/DISTANCE

HMAS

RF CENTER FIX/DISTANCE

QUALITY
23
CHECKED

RF CENTER FIX/DISTANCERF CENTER FIX/DISTANCE

QUALITY
23
CHECKED

FACILITY
RNAV



SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM

DA

TO

NIBBE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 3045					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				6000
15.AAO	454924.00N/1075112.00W		4151	164	98	4E	1000					5200
16.TERRAIN	454924.00N/1075112.00W		3950 (4000)								AS1500	5500

COMPUTATIONS

TF

TURN FIX

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

NIBBE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 3123					
<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				6000
15.AAO	454924.00N/1075112.00W		4151	164	98	4E	1000					5200
16.TERRAIN	454924.00N/1075112.00W		3950 (4000)								AS1500	5500

COMPUTATIONS

TF

TURN FIX

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW26

TO

NIBBE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 3220					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				6000
15.AAO	454924.00N/1075112.00W		4151	164	98	4E	1000					5200
16.TERRAIN	454924.00N/1075112.00W		3950 (4000)								AS1500	5500

COMPUTATIONS

TF

TURN FIX

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											
13.TRANSMISSION_LINE (30-050089)	454446.94N/1074135.15W	1.35	455	3180	20	3	1A	300			3480
CATEGORY B											
14.POLE (30-050098)	454418.38N/1074230.08W	1.92	475	3198	20	3	1A	300			3500

CIRCLING REMARKS:

MSA

CENTER

RW26

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	452451.00N/1070906.00W	123	28.9	5148	164	98	4E	1000			6200

MSA REMARKS:



AIRPORT
BIG HORN COUNTY

AIRPORT ID
00U

PROCEDURE NAME
RNAV (GPS) RWY 26

AMDT NO.
ORIG

CITY
HARDIN

STATE
MT

AIRPORT ELEVATION
3025

FACILITY
RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> K00U	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> K00U	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KBIL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KBIL	<u>DISTANCE</u> 37.252	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 174

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
K00U 3025, KBIL 3652
RA = 173.4

<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>
RW08 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW26 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 3005	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 40.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -20C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -20C	<u>APT ISA</u> +9.01C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 740 HIGH TEMP 1171.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



<u>AIRPORT</u> BIG HORN COUNTY	<u>AIRPORT ID</u> 00U	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>AMDT NO.</u> ORIG	<u>CITY</u> HARDIN	<u>STATE</u> MT	<u>AIRPORT ELEVATION</u> 3025	<u>FACILITY</u> RNAV
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PART D: AIRSPACE

DOCKET # 19-AMN-6

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	3.94
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.26
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	270.01
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3300
DISTANCE FROM	THLD	TO 1500FT POINT	9.95
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	270.01
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	3600
THRESHOLD COORDINATES (IF STR-IN)	454439.87N/1073905.98W		
ARP COORDINATES	454439.80N/1073937.60W		
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 26 DISTANCE 0.40 NM		
FAF COORDINATES	454440.03N/1073207.68W		
FIX NAME COORDINATES			
REMARKS			

QUALITY
23
CHECKED

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<u>AIRPORT</u> BIG HORN COUNTY	<u>AIRPORT ID</u> 00U	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>AMDT NO.</u> ORIG	<u>CITY</u> HARDIN	<u>STATE</u> MT	<u>AIRPORT ELEVATION</u> 3025	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> DAVID DANNER (ALEXANDER MILES)	<u>OFFICE</u> AJV-A420	<u>DATE</u> 08/28/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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