

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMBING LEFT TURN TO 8400 DIRECT RLY VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 159.00 INBOUND. CHART FAS OBST: 5173 TREE 434329N/1082337W DISTANCE TO THLD FROM 490 HAT: 1.41 NM. CHART VDP AT 2.36 NM TO RW23* *LNAV ONLY. WAAS CHANNEL # 53340 REFERENCE PATH ID: W23A CHART CIRCLING ICON. 5294 AAO 434644N/1081713W LTP HAE: 1478.2 M								
BOY VOR/DME	HEDRA (TF) (FB) (RNP 2.00)	004.53 / 10.00	9800									
HEDRA	CARGU (TF) (FO) (RNP 2.00)	004.57 / 11.88	7900									
ALVIL (IAF)	CARGU (NOPT) (TF) (FB) (RNP 1.00)	165.56 / 19.03	7400									
RLY VOR/DME (IAF)	CARGU (NOPT) (TF) (FB) (RNP 1.00)	217.46 / 13.12	7400									
RANKK (IAF)	CARGU (NOPT) (TF) (FB) (RNP 1.00)	250.21 / 18.12	7400									
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE CARGU, RT, 226.90 INBOUND, 7400 FT. IN LIEU OF PT (IAF) 3. FAC: 226.83 FAF: FODEN DIST FAF TO MAP: 5.24 THLD: 5.24 4. MIN. ALT: CARGU 7400, FODEN 6600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 6600 GS ALT AT: FODEN 6600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW23 11400				MAG VAR: 10E EPOCH YEAR: 2020								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY >>>>>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	5382	1 3/4	490	5382	1 3/4	490	5382	1 3/4	490	5382	1 3/4	490
LNAV/VNAV DA	5577	2 1/2	685	5577	2 1/2	685	5577	2 1/2	685	5577	2 1/2	685
LNAV MDA	5620	1	728	5620	1	728	5620	2	728	5620	2	728
CIRCLING	5620	1	728	5620	1	728	5620	2	728	5880	3	988
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F). @ CAT D 1000-3 CHART NOTE: CIRCLING NA NW OF RWY 5-23. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)												
CITY AND STATE		ELEVATION: 4892 TDZE: 4892		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:		QUALITY 18 CHECKED		
THERMOPOLIS, WY		AIRPORT NAME:				RNAV (GPS) RWY 23, ORIG 2 MARCH 2017		AMDT: NONE				
		HOT SPRINGS COUNTY						DATED:				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CARGU (IF/IAF)	FODEN (TF) (FB) (RNP 1.00)	226.90 / 5.48	6600
FODEN (FAF)	RW23 (MAP) (TF) (FO) (RNP 0.30)	226.83 / 5.24	
RW23 (MAP)	5292 MSL	226.83	
5292 MSL	RLY VOR/DME (DF) (FO) (RNP 1.0)		8400

NOTES, (CONT.):

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BOY VOR/DME AIRWAY RADIALS 322 CW 087.

CITY AND STATE

THERMOPOLIS, WY

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2 MARCH 2017

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NONE

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QUALITY
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHSG
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	434306.2010N
LTP/FTP LONGITUDE	1082246.6650W
LTP/FTP ELLIPSOIDAL HEIGHT	+14782
FPAP LATITUDE	434217.3430N
FPAP LONGITUDE	1082429.4015W
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	0816
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 7C287193

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+14910
FPAP ORTHOMETRIC HEIGHT	+14910

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