

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
EWEBU (IF/IAF)	YUKUR (FB)	233.96 / 4.00	4800	LPV: DA LNAV/VNAV: DA LNAV: RW23	
YUKUR (FAF)	NULIY/1.90 NM TO RW23 (FB)	233.90 / 2.99		CLIMBING LEFT TURN TO 5300 DIRECT EWEBU AND HOLD.	
NULIY/1.90 NM TO RW23	RW23 (MAP) (FO)	233.90 / 1.90			
RW23 (MAP)	3454 MSL	233.90			
3454 MSL	EWEBU (FO)		5300	ADDITIONAL FLIGHT DATA: FAS OBST: 3519 AAO 440432N/1025856W DISTANCE TO THLD FROM 250 HATH: 0.67 NM. CHART VDP AT 1.00 MILES TO RW23* *LNAV ONLY. WAAS CHANNEL # 40433 REFERENCE PATH ID: W23A CHART ELLSWORTH AFB. CHART CIRCLING ICON. CHART 175K ICON AT EWEBU. LTP HAE: 959.7 M	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE EWEBU, RT, 233.96 INBOUND, 4800 FT. IN LIEU OF PT (IAF)
3. FAC: 233.90 FAF: YUKUR DIST FAF TO MAP: 4.89 THLD: 4.89
4. MIN. ALT: EWEBU 4800, YUKUR 4800, NULIY/1.90 NM TO RW23 3820*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 4800 GS ALT AT: YUKUR 4800 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 38.0
8. MSA FROM:

MAG VAR: 8E EPOCH YEAR: 2010

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	DH/MDA	VIS	HAT/HAA	
LPV DA	3454	1	250	3454	1	250			NA			NA				
LNAV/VNAV DA	3454	1	250	3454	1	250			NA			NA				
LNAV MDA	3560	1	356	3560	1	356			NA			NA				
CIRCLING	3660	1	456	3840	1	636			NA			NA				

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS; LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELLSWORTH AFB ALTIMETER SETTING AND (SEE FORM 8260-10)

CITY AND STATE RAPID CITY, SD	ELEVATION: 3204 THRE: 3204 AIRPORT NAME: RAPID CITY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 19 SEPTEMBER 2013	SUP: AMDT: NONE DATED
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RNAV - STANDARD
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NOTES, (CONT.):

INCREASE ALL DA 25 FEET AND ALL MDA 40 FEET.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING ELLSWORTH AFB ALTIMETER SETTING.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	144/30 CW 324/30 (NOPT)	144/10 CW 324/10	5600
2.	144/10 CW 324/10	EWEBU (IF/IAF) (FB)	4800
3.	324/30 CW 144/30	324/10 CW 144/10	8900
4.	324/10 CW 144/10	EWEBU (IF/IAF) (FO)	4900

CITY AND STATE
 RAPID CITY, SD

ELEVATION: 3204 **THRE: 3204**
AIRPORT NAME:
 RAPID CITY RGNL

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:
 RNAV (GPS) RWY 23, ORIG
 19 SEPTEMBER 2013

SUP:
AMDT: NONE
DATED:

**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	KRAP
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	440309.1055N
LTP/FTP LONGITUDE	1030306.2985W
LTP/FTP ELLIPSOIDAL HEIGHT	+09597
FPAP LATITUDE	440227.0300N
FPAP LONGITUDE	1030455.1900W
THRESHOLD CROSSING HEIGHT (TCH)	00038.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 8FE35998

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09764
FPAP ORTHOMETRIC HEIGHT	+09764

CITY AND STATE RAPID CITY, SD	ELEVATION: 3204 THRE: 3204	FACILITY IDENTIFIER: RNAV	PROCEDURE NO / AMDT NO / EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 19 SEPTEMBER 2013	SUP:
	AIRPORT NAME: RAPID CITY RGNL			AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EWEBU	EWEBU	010	IAF	HF	R	FO		234.0(242.0T)	004.0	AA 04800	
		EWEBU	010	FACF	IF		FB				AA 04800	
		YUKUR	020	FAF	TF		FB	0.5	234.0(242.0T)	004.0	AA 04800	
		NULIY	021	SDF	TF		FB	0.3	233.9(241.9T)	003.0	AA 03820	GS 03847
		RW23	030	MAP	TF		FO	0.3	233.9(241.9T)	001.9	AT 03242	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		233.9(241.9T)		AA 03454	
	EWEBU	050		DF	L	FO				AA 05300	
	EWEBU	060		HM	R	FO		234.0(242.0T)	004.0	AA 05300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EWEBU	N440720.50	W1025213.26	N4407.342	W10252.221
	NULIY	N440402.91	W1030046.91	N4404.049	W10300.782
	YUKUR	N440527.56	W1025707.17	N4405.459	W10257.120
	RW23	N440309.11	W1030306.30	N4403.152	W10303.105

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	03204	38

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	AIRPORT NAME: RAPID CITY RGNL				AMDT: NONE
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