

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				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	ILS: DA LOC: 4.63 MILES AFTER RANCH LOM/I-RAP 6.23 DME OR AT I-RAP LOC/DME 1.54 DME FIX CLIMB TO 5500 THEN LEFT TURN DIRECT RAP VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE ON RAP VORTAC R-142 TO MUDDY/RAP 5.00 DME AND HOLD SE, RT, 321.98 INBOUND), OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 5500 THEN CLIMBING LEFT TURN DIRECT RANCH LOM/6.23 DME AND HOLD (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 322.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE RANCH LOM/6.23 DME, RT, 323.83 INBOUND. FAS OBST: 3359 AAO 435839N/1030054W CHART VDP AT 2.92 DME* DISTANCE VDP TO THLD 1.32 MILES. *LOC ONLY. CHART IN PLANVIEW: (CFBLP) AT 435235.54N/1025601.51W CHART CIRCLING ICON. CHART ELLSWORTH AFB.											
RAP VORTAC	RANCH LOM/I-RAP 6.23 DME	126.34 / .89	5500												
1. PT <u>L</u> SIDE OF COURSE <u>143.83</u> OUTBOUND <u>5500</u> FT WITHIN <u>15</u> MILES OF <u>RANCH LOM</u> (IAF) 2. _____ 3. FAC: <u>323.83</u> FAF: <u>RANCH LOM/I-RAP 6.23 DME</u> DIST FAF TO MAP: <u>4.63</u> THLD: <u>4.63</u> 4. MIN. ALT: <u>RANCH LOM 4700</u> 5. DIST TO THLD FROM OM: <u>4.63</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>876</u> 6. MIN GS INCPT: <u>5000</u> GS ALT AT: <u>YAVUC 5000</u> OM: <u>4690</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.1</u> 8. MSA FROM: <u>RA LOM 360-180 4800, 180-360 8400</u>				MAG VAR: 8E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>				ALTERNATE: <u>N A</u>		ILS: <u>STANDARD #</u>		LOC: <u>STANDARD @</u>							
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
S-ILS 32	3360	2400	200	3360	2400	200	3360	2400	200	3360	2400	200	3360	2400	200
S-LOC 32	3620	2400	460	3620	2400	460	3620	4500	460	3620	4500	460	3620	4500	460
CIRCLING	3740	1	536	3840	1	636	3840	1 3/4	636	3940	2 1/4	736	3960	2 3/4	756
NOTES: CHART PLANVIEW NOTE: ADF OR DME REQUIRED. CHART NOTE: VDP NA WITH ELLSWORTH AFB ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELLSWORTH ALTIMETER SETTING, INCREASE ALL DA 25 FEET, AND ALL MDA 40 FEET, INCREASE S-LOC CAT C/D/E VISIBILITY TO RVR 5000, AND (SEE FORM 8260-10)															
CITY AND STATE RAPID CITY, SD				ELEVATION: 3204 TDZE: 3160 AIRPORT NAME: RAPID CITY RGNL		FACILITY IDENTIFIER: I-RAP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, AMDT 20, 01/08/2015				SUP: AMDT: 19A DATED 11/14/2013			



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NOTES, (CONT.):

CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 32 CAT E VISIBILITY TO RVR 4000 AND S-LOC 32 CAT E VISIBILITY TO 1 3/8.

CHART NOTE: NIGHT LANDING: RWY 5 NA.

CHART PROFILE NOTE: USE I-RAP DME WHEN ON THE LOC COURSE.

CHART NOTE: ILS GLIDESLOPE UNUSABLE FOR COUPLED APPROACHES BELOW 3360.



CITY AND STATE

RAPID CITY, SD

ELEVATION: 3204

TDZE: 3160

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FACILITY
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I-RAP

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRAPK3FI32	ARAP	010RAP	K3D OV	IF					18000		0	NS
SUSAP	KRAPK3FI32	ARAP	020RANCHK3PC0E		TF				+	05500		0	NS
SUSAP	KRAPK3FI32	ARAP	030RANCHK3PC0EE	AR	PI	IRAPK3	1438006209880150PI		+	05500		0	NS
SUSAP	KRAPK3FI32	I	010CFBLPK3PC0E	I	IF	IRAPK3	14380122	PI	J	055000500018000		0	NS
SUSAP	KRAPK3FI32	I	020YAVUCK3PC0E	F	CF	IRAPK3	1438007332400050PI		H	0500005000	-300RA	K3PN0	NS
SUSAP	KRAPK3FI32	I	030RW32	K3PG0GY M	CF	IRAPK3	1438001632400057PI			03197	-300	0	NS
SUSAP	KRAPK3FI32	I	040	0 M	CA		3238		+	05500		0	NS
SUSAP	KRAPK3FI32	I	050RAP	K3D OVY L	DF					05500		0	NS
SUSAP	KRAPK3FI32	I	060RAP	K3D OVE R	HM		3220T010		+	05500		0	NS

[illegible][illegible][illegible]

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Page 4 of 8 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RAP	RAP	010		IF		FB					
	RAP	RANCH	020		TF		FB				AA 05500	
	RAP	RANCH	030	IAF	PI	R	FB		098.8()	015.0	AA 05500	
		CFBLP	010	FACF	IF		FB				AA 05500	GI 05000
		YAVUC	020	FAF	CF		FB		324.0()	005.0	GI 05000	GS 05000
		RW32	030	MAP	CF		FO		324.0()	005.7	AT 03197	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		323.8()		AA 05500	
	RAP	050		DF	L	FO				AA 05500	
	RAP	060		HM	R	FO		322.0()	T01.0	AA 05500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RAP	N435833.70	W1030044.43	N4358.562	W10300.741
	IRAP (DME)	N440324.00	W1030357.23	N4403.400	W10303.954
	CFBLP	N435235.54	W1025601.51	N4352.592	W10256.025
	RANCH	N435753.21	W1025956.30	N4357.887	W10259.938
	YAVUC	N435658.53	W1025915.83	N4356.976	W10259.264
	RW32	N440158.05	W1030257.80	N4401.968	W10302.963
	IRAP (LOC)	N440322.56	W1030400.54	N4403.376	W10304.009
	RA	N435753.27	W1025955.79	N4357.888	W10259.930

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	03143	54

CITY AND STATE
RAPID CITY, SD

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IDENTIFIER:

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LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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SUSAP KRAPK3SRA K3PN 0 1803600482536018008425 M

1 2 3 4 5 6 7 8 9 0 1 2 3
NAVAID 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAPNKRAPK3 RA K3002540HO W N43575327W102595579 E0080 NARRANCH

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	RAP	RAP	010		IF		FB					
	RAP	RANCH	020		TF		FB				AA 05500	
	RAP	RANCH	030	IAF	PI	R	FB		098.8 ()	015.0	AA 05500	
		CFBLP	010	FACF	IF		FB				AA 05500	
		YAVUC	011	SDF	CF		FB		324.0 ()	005.0	AA 05000	
		RANCH	020	FAF	CF		FB		324.0 ()	001.0	AA 04700	
		RW32	030	MAP	CF		FO		324.0 ()	004.6	AT 03197	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		323.8 ()		AA 05500	
	RAP	050		DF	L	FO				AA 05500	
	RAP	060		HM	R	FO		322.0 ()	T01.0	AA 05500	

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