

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		LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 3000 DIRECT FATPA AND TRACK 070.66 TO SSM VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 219.00 INBOUND. CHART FAS OBST: 899 TREE 461353N/0842706W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.15 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 56315 REFERENCE PATH ID: W34A LTP HAE: 205.5 M							
HITAM (IAF)		COLGO (FB)		241.39 / 8.40			4000									
PINES (IAF)		COLGO (FB)		070.84 / 7.11			4000									
COLGO (IF)		CAKRU (FB)		337.09 / 6.00			2400									
CAKRU (FAF)		RW34 (MAP) (FO)		337.04 / 4.85												
RW34 (MAP)		1046 MSL		337.04												
1046 MSL		FATPA (FB)														
FATPA		SSM VOR/DME (FO)		070.66 / 10.57			3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT COLGO 3. FAC: 337.04 FAF: CAKRU DIST FAF TO MAP: 4.85 THLD: 4.85 4. MIN. ALT: COLGO 4000, CAKRU 2400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2400 GS ALT AT: CAKRU 2400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW34 4000											MAG VAR: 7W		EPOCH YEAR: 2015			
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	1046	1	250	1046	1	250	1046	1	250	1046	1	250				
LNAV/VNAV DA	1198	1 1/2	402	1198	1 1/2	402	1198	1 1/2	402	1198	1 1/2	402				
LNAV MDA	1200	1	404	1200	1	404	1200	1 1/4	404	1200	1 1/4	404				
CIRCLING	1260	1	461	1260	1	461	1260	1 1/2	461	1360	2	561				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) 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 SAULT STE MARIE MUNI/SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL DA 45 FEET AND ALL MDA 60 FEET; INCREASE LNAV CAT D VISIBILITY (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 799 TDZE: 796			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
SAULT STE MARIE, MI		AIRPORT NAME:			CHIPPEWA COUNTY INTL		RNAV (GPS) RWY 34, AMDT 1A 5 MARCH 2015					AMDT: 1				
												DATED 10/22/2009				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SAULT STE MARIE MUNI/SANDERSON FIELD ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT PINES VIA V193 SOUTH BOUND.

QUALITY
17
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCIU
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	461421.3170N
LTP/FTP LONGITUDE	0842749.9090W
LTP/FTP ELLIPSOIDAL HEIGHT	+02055
FPAP LATITUDE	461538.4495N
FPAP LONGITUDE	0842854.1175W
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	0552
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

16AFF93F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02418
FPAP ORTHOMETRIC HEIGHT	+02418

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP	KCIUK5FR34	AHITAM	010HITAMK5EA0E	A	IF					18000		A	JS
SUSAP	KCIUK5FR34	AHITAM	020COLGOK5EA0EE	B	010TF		24140084	+	04000			A	JS
SUSAP	KCIUK5FR34	APINES	010PINESK5EA0E	A	IF					18000		A	JS
SUSAP	KCIUK5FR34	APINES	020COLGOK5EA0EE	B	010TF		07080071	+	04000			A	JS
SUSAP	KCIUK5FR34	R	010COLGOK5EA0E	I	IF			+	04000	18000		A	JS
SUSAP	KCIUK5FR34	R	020CAKRUK5EA1E	F	051TF		33710060	+	02400		RW34	K5PGA	JS
SUSAP	KCIUK5FR34	R	020CAKRUK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KCIUK5FR34	R	030RW34	K5PGOGY	M	031TF		33700049	00833		-300	A	JS
SUSAP	KCIUK5FR34	R	040	0	M	CA		3370	+	01046		A	JS
SUSAP	KCIUK5FR34	R	050FATPAK5EA0E		DF							A	JS
SUSAP	KCIUK5FR34	R	060SSM	K5D	0VY	010TF		0707	+	03000		A	JS
SUSAP	KCIUK5FR34	R	070SSM	K5D	0VE	R	HM		21900040	+	03000	A	JS

[illegible][illegible]

SUP:	
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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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SUSAP KCIUK5PR34 RW34 002E +02418+02418LPV 56315

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3

	SUSAP KCIUK5SRW34 K5PG 0 18018004025												M

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16
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SAULT STE MARIE, MI


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FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HITAM	HITAM	010	IAF	IF		FB					
	HITAM	COLGO	020		TF		FB	1.0	241.4 (234.4T)	008.4	AA 04000	
	PINES	PINES	010	IAF	IF		FB					
	PINES	COLGO	020		TF		FB	1.0	070.8 (063.8T)	007.1	AA 04000	
		COLGO	010	FACF	IF		FB				AA 04000	
		CAKRU	020	FAF	TF		FB	0.5	337.1 (330.1T)	006.0	AA 02400	
		RW34	030	MAP	TF		FO	0.3	337.0 (330.0T)	004.9	AT 00833	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		337.0 (330.0T)		AA 01046	
		FATPA	050		DF		FB					
		SSM	060		TF		FO	1.0	070.7 (063.7T)		AA 03000	
		SSM	070		HM	R	FO		219.0 (212.0T)	004.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		SSM	N462443.60		W0841853.54		N4624.727		W08418.892			
		CAKRU	N461009.16		W0842420.41		N4610.153		W08424.340			
		COLGO	N460457.27		W0842002.15		N4604.955		W08420.036			
		FATPA	N462002.95		W0843234.75		N4620.049		W08432.579			
		HITAM	N460950.89		W0841013.82		N4609.848		W08410.230			
		PINES	N460149.61		W0842912.25		N4601.827		W08429.204			
		RW34	N461421.32		W0842749.91		N4614.355		W08427.832			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW34	00793		40							



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