

**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.

<b>AIRPORT ID</b> CIU	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 16	<b>ORIGINAL/AMENDMENT</b> 2	<b>CITY</b> SAULT STE MARIE	<b>STATE</b> MI		
<b>AIRPORT ELEVATION</b> 799	<b>TDZE</b> 799	<b>SUPERSEDED</b> RNAV (GPS) RWY 16	<b>ORIGINAL/AMENDMENT</b> 1C	<b>DATED</b> 10/08/2020	<b>MAG VAR</b> 7W	<b>EPOCH YEAR</b> 2015
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>CANCEL/SUSPEND</b>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HITAL	IAF	JENOT		TF	FB	1.00	074.83	5.18	3000
CATGA	IAF	JENOT		TF	FB	1.00	246.64	7.04	3000
JENOT	IF	MAGTL		TF	FB	1.00	156.54	5.23	2600
MAGTL	FAF	RW16	MAP	TF	FO	0.30	156.94	5.47	
RW16	MAP	999 MSL		CA			156.94		
999 MSL		CAKRU		DF	FB	1.00			
CAKRU		PINES		TF	FO	1.00	209.15	8.99	3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW16

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT CAKRU AND ON TRACK 209.15 TO PINES AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- |                                    |                            |                |                       |                        |         |
|------------------------------------|----------------------------|----------------|-----------------------|------------------------|---------|
| 1. PT                              | SIDE OF COURSE             | OUTBOUND       | FT WITHIN             | MILES OF               | (IAF)   |
| 2. PROFILE STARTS AT JENOT         |                            |                |                       |                        |         |
| 3. FAC: 156.94                     | FAF: MAGTL                 |                | DIST FAF TO MAP: 5.47 | DIST FAF TO THLD: 5.47 |         |
| 4. MIN ALT: JENOT 3000, MAGTL 2600 |                            |                |                       |                        |         |
| 5. DIST TO THLD FROM OM:           | MM:                        | IM:            | 150 HAT:              | 200 HAT: 0.45          | GS ANT: |
| 6. MIN GP INCPT: 2600              | GP ALT AT PFAF: MAGTL 2600 |                | OM:                   | MM:                    | IM:     |
| 7. GP ANGLE: 3.00                  | 34:1: IS CLEAR             | 20:1: IS CLEAR | TCH: 58.1             |                        |         |
| 8. MSA FROM: RW16 4000             |                            |                |                       |                        |         |



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CATGA ON T810 SOUTHEAST BOUND.  
CHART SPEED ICON IN PLANVIEW AT HITAL: MAX 230 KIAS.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 024.30 INBOUND.  
CHART FAS OBST: 959 TANK (26-000743) 461547N/0842805W.  
CHART VDP AT 1.14 NM TO RW16.  
WAAS CHANNEL # 69215  
REFERENCE PATH ID: W16A  
CHART CIRCLING ICON.  
LTP HAE: 207.1 M

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	999	1/2	200	999	1/2	200	999	1/2	200	999	1/2	200			
LNAV/VNAV DA	1140	5/8	341	1140	5/8	341	1140	5/8	341	1140	5/8	341			
LNAV MDA	1220	1/2	421	1220	1/2	421	1220	3/4	421	1220	3/4	421			
CIRCLING	1260	1	461	1260	1	461	1260	1 1/2	461	1360	2	561			

**CHANGES - REASONS**

1. ADDED 230 KIAS SPEED RESTRICTION AT HITAL - ALLOWS 90 DEGREE TURN WITHOUT EXTENDING LEG.
2. MOVED CATGA IAF 1642 FEET SOUTHEAST, COURSE CHANGED FROM 250.71 @ 6.89 NM TO 246.64 @ 7.04 - FIX MOVED FROM CANADIAN AIRSPACE TO US.
3. JENOT FIX RELOCATED 4394 FT SOUTHEAST - MOVED DUE TO MIN LEG LENGTH.
4. FATPA PFAF REPLACED WITH MAGTL PFAF - MAGTL FIX MOVED TO NEW CALCULATED COORDINATES, DUE TO FATPA BEING USED ON OTHER PROCEDURES AND UNABLE TO UPDATE.
5. PBN NOTE UPDATED FROM RNP APCH TO RNP APCH - GPS - IAW 8260.19I PARA 8-6-8B.
6. CRC REMAINDER CHANGED FROM 063CD91C TO 49D00929 - FPAP COORDINATES CHANGED FROM 461405.7360N-0842736.9485W TO 461405.7370N-0842736.9465W, TCH FROM 58 TO 58.1, VERTICAL ALERT FROM 50.0 TO 35.0, LTP/FTP FROM 461522.8700N-0842841.1470W TO 461522.8720N-0842841.1435W AND LENGTH OFFSET FROM 0560 TO 0552 - UPDATED DATA.
7. LPV MINS LOWERED FROM 1068 DA/269 HAT TO 999 DA/200 HAT ALL CATS - REMOVED XP ADJUSTMENT, LOWER MINS APPROVED BY FPT.
8. LNAV/VNAV MINS LOWERED FROM 1204 DA/405 HAT TO 1140 DA/341 HAT AND VISIBILITY FROM 1 SM TO 5/8 SM - REMOVED XP ADJUSTMENT PER FPT.
9. UPDATED PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT CATGA ON V300... TO ... ON T810..." - IAW 8260.19I 8-2-5E.
10. DISTANCE FAF TO MAP AND FAF TO THLD CHANGED FROM 5.39 TO 5.47 - PFAF RELOCATED.
11. CHANGED DIST TO 269 HAT: 0.66 TO 200 HAT: 0.45 - LPV MINIMUMS LOWERED.
12. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CATS A/B/C 1/2 SM; INCREASE LNAV CAT D 1/4 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM" - NEW EVALUATION WHICH LOWERED LPV AND LNAV/VNAV MINIMUMS.
13. HITAL TO JENOT COURSE/DISTANCE CHANGED FROM 066.81/5.16 TO 074.83/5.18 - JENOT FIX MOVED 4394 FT SOUTHEAST.
14. ADDED OBSTACLE ID (26-000743) TO FAS OBSTACLE NOTE IN ADDITIONAL FLIGHT DATA - IAW 8260.19I PARA 8-6-10C.
15. REMOVED \* FROM CHART VDP NOTE AND REMOVED \*LNAV ONLY FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I PARA 1-1-5F(12).
16. LNAV CAT D VISIBILITY LOWERED FROM 1 TO 3/4 SM - IAW 8260.3E TABLE 3-3-1.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

TORONTO CTR, ZMP, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

ERIC N SUSKI

Apr 18, 2024

OFFICE

FPO

DATE

04/16/2024

DEVELOPED BY

JOSEPH L. ZEDER

Digitally signed by

JOSEPH L ZEDER

Mar 01, 2024

OFFICE

AJV-A432

DATE

12/05/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Mar 05, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCIU
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	461522.8720N
LTP/FTP LONGITUDE	0842841.1435W
LTP/FTP ELLIPSOIDAL HEIGHT	+02071
FPAP LATITUDE	461405.7370N
FPAP LONGITUDE	0842736.9465W
THRESHOLD CROSSING HEIGHT (TCH)	00058.1
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)	35.0
CRC REMAINDER	49D00929

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02434
FPAP ORTHOMETRIC HEIGHT	+02434



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CIU	RNAV (GPS) RWY 16	2	SAULT STE MARIE	MI	799	RNAV

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

**FROM** HITAL **TO** JENOT

**RNP** 1.00 **DISTANCE** 5.18 **PAT** **MAP** **HAT** **HMAS**

<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>
TOWER (26-002552)	462227.81N/0844254.08W	1322	500	50	5D	1000				AT678	3000
TERRAIN	462433.00N/0844424.00W	912 (900)								AS1500	2400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL**

**FROM** CATGA **TO** JENOT

**RNP** 1.00 **DISTANCE** 7.04 **PAT** **MAP** **HAT** **HMAS**

<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>
AAO	462515.00N/0843909.00W	1011	215	8	4B	1000				AT989	3000
TERRAIN	462515.00N/0843909.00W	810 (800)								AS1500	2300

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

QUALITY  
26  
CHECKED

INTERMEDIATE

FROM

JENOT

TO

MAGTL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.23										
<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>
AAO	462515.00N/0843909.00W	1011	215	8	4B	500				AT1089	2600
TERRAIN	462500.00N/0843918.00W	803 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

MAGTL

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.47		DA				200				
<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				999

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

MAGTL

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	5.47		DA	341	

<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>
TANK (26-000743)	461547.21N/0842804.99W	959	50	20	2C	161				AC20	1140

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM

MAGTL

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	5.47		RW16	421	

<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>
TANK (26-000743)	461547.21N/0842804.99W	959	50	20	2C	250					1220

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

PINES

<div><div>RNP</div><div>0.30-1.00</div></div>	<div>DISTANCE</div>	<div>PAT</div>	<div>MAP</div>		<div>HAT</div>		<div>HMAS</div> <div>829</div>				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TWR (26-002545)	460427.00N/0842747.00W	1357	500	50	5D	1000					2400
TERRAIN	460409.00N/0842509.00W	987 (1000)								AS1500	2500

COMPUTATIONS

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

PINES

<div><div>RNP</div><div>0.30-1.00</div></div>	<div>DISTANCE</div>	<div>PAT</div>	<div>MAP</div>		<div>HAT</div>		<div>HMAS</div> <div>979</div>				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TWR (26-002545)	460427.00N/0842747.00W	1357	500	50	5D	1000					2400
TERRAIN	460409.00N/0842509.00W	987 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW16

TO

PINES

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										1120	
<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				3000
TWR (26-002545)	460427.00N/0842747.00W	1357	500	50	5D	1000					2400
TERRAIN	460409.00N/0842509.00W	987 (1000)								AS1500	2500

COMPUTATIONS

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											
TANK (26-000743)	461547.21N/0842804.99W	1.30	461	959	50	20	2C	300			1260
CATEGORY B											
TANK (26-000743)	461547.21N/0842804.99W	1.83	461	959	50	20	2C	300			1260
CATEGORY C											
TANK (26-000743)	461547.21N/0842804.99W	2.88	461	959	50	20	2C	300			1260
CATEGORY D											
TANK (26-000743)	461547.21N/0842804.99W	3.77	561	959	50	20	2C	300		HAA	1360

CIRCLING REMARKS:

MSA

CENTER

RW16

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	BLASTING OPNS	460339.60N/0841737.80W	154	14.0	3000	50	20	2C	1000			4000

MSA REMARKS:





NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

TORONTO ARTCC, GRB FSS

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> CIU	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> CIU	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> ANJ	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> ANJ	<u>DISTANCE</u> 14.38	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 45

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KCIU 799, KANJ 716  
RA = 44.7

<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>	
RW10 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-F		
RW28 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-F		
RW16 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-F		
RW34 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-F		

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 798.5	<u>TCH</u> 58.1	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 57.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -16C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -16C	<u>APT ISA</u> +13.42C
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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 965 HIGH TEMP 1274.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAULT STE MARIE MUNI/SANDERSON FIELD ALTIMETER SETTING AND INCREASE LPV DA TO 1044 FEET AND LNAV/VNAV DA TO 1185 FEET; INCREASE ALL MDA 60 FEET AND LNAV VIS CAT C/D 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS, WHEN USING SAULT STE MARIE MUNI/SANDERSON FIELD ALTIMETER SETTING, INCREASE LNAV VIS CATS C/D TO 1 3/8 SM.

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

100' VEGETATION HEIGHT PER FPT.

TAA NOT DEVELOPED DUE TO ATC RESTRICTIONS. INITIALS PLACED ON AIRWAYS AND HOLD-IN-LIEU-OF-PT NOT DEVELOPED.

MSA OBSTACLE 3000' QUARRY BLASTING OPERATION AT 460339.60N/0841737.80W. FURTHER DETAILS AVAILABLE FROM CARMEUSE LIME AND STONE, 906-484-2201, EXT 224. ROCK TRAVELS UPWARDS 1000' ABOVE 860' SURFACE PLUS 1140' BUFFER PROVIDING 4000' MSA.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

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	2.96
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	149.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	4.87
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	149.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)	461522.87N/0842841.14W
ARP COORDINATES	461502.71N/0842820.58W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 34 DISTANCE 0.78 NM
FAF COORDINATES	462007.14N/0843238.24W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CIU	RNAV (GPS) RWY 16	2	SAULT STE MARIE	MI	799	RNAV
PART E: PREPARED BY						
<u>NAME</u>			<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>	
JOSEPH L. ZEDER			AJV-A432	12/05/2023	AERONAUTICAL INFORMATION SPECIALIST	