Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: AWSEG	Date Open: 08/27/2012	Task #: 2012082729898601001	Request #: 20120827298986
Procedure: V 316 NEWBERRY (ERY) VOR/DME MI TO SAULT STE MARIE (SSM) VOR/DME MI AMDT Y		Airport ID: MI	Airport:		Reimbursable #:
City:	ST: MI	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID:	Fac. Type: Proc R	Specialist: TOBY HUFF(Contractor)			

Procedure Review

PR

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/12/2012	09/27/2012	TOBY HUFF	
QA:	09/27/2012	10/31/2012	LEE STUCKEY	
Liaison:	10/31/2012		Spurlin	RECOMMEND TABLE-TOP FLIGHT INSPECTION

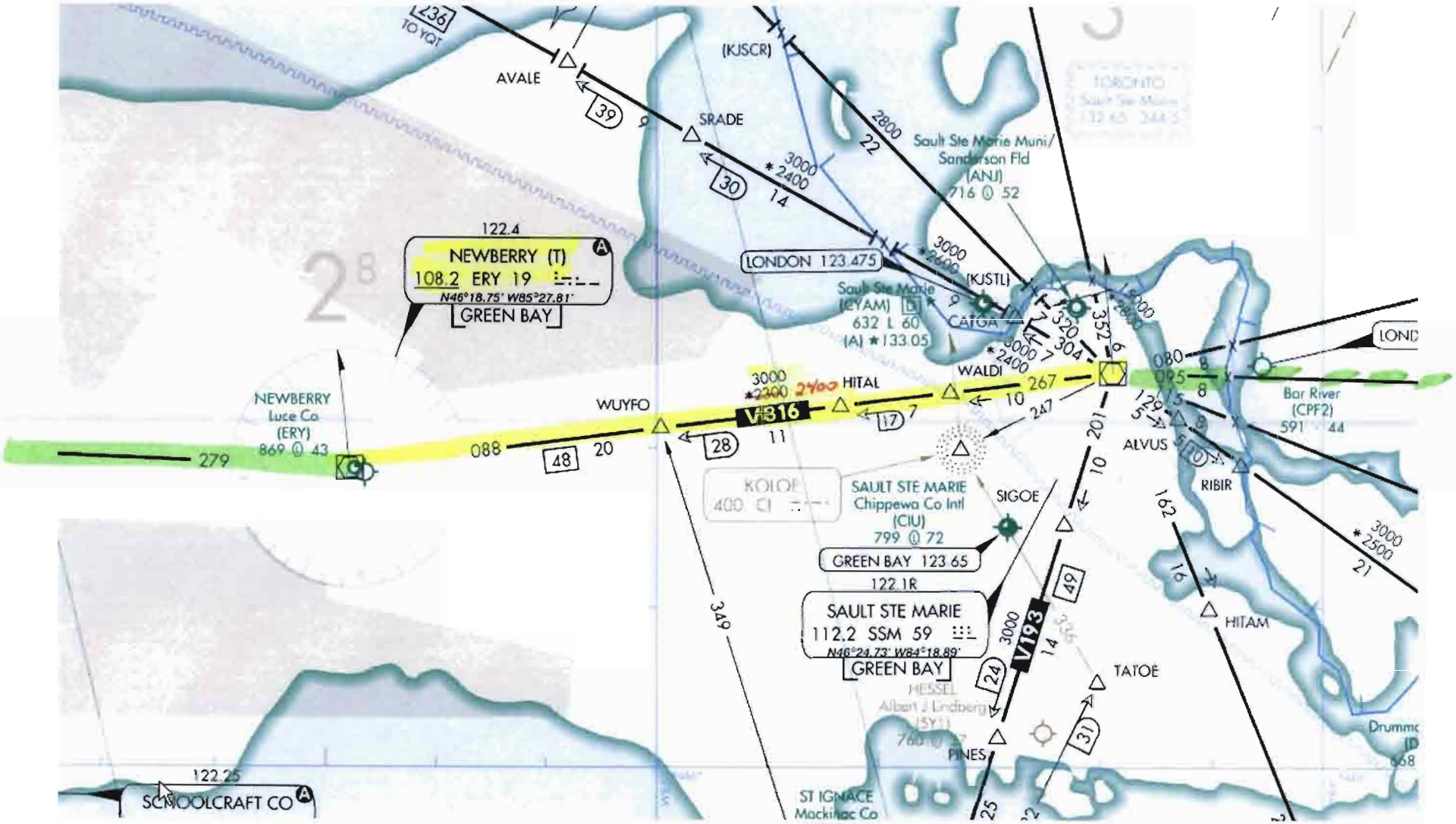
Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pkg 1 of 1

AIRWAY: V 316 NEWBERRY (ERY) VDME MI - SAULT STE MARIE (SSM) VDME MI ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: 8260-16; 8260-2(S): (INFO ONLY) NEWBERRY (ERY) VDME, REV 5; SAULT STE MARIE (SSM) VDME, REV 10.

CONTACT: RAYMOND K. NUSSEAR, ENROUTE MANAGER / TOBY HUFF, ENROUTE LEAD; 301.427.4826, 405.954.9954.

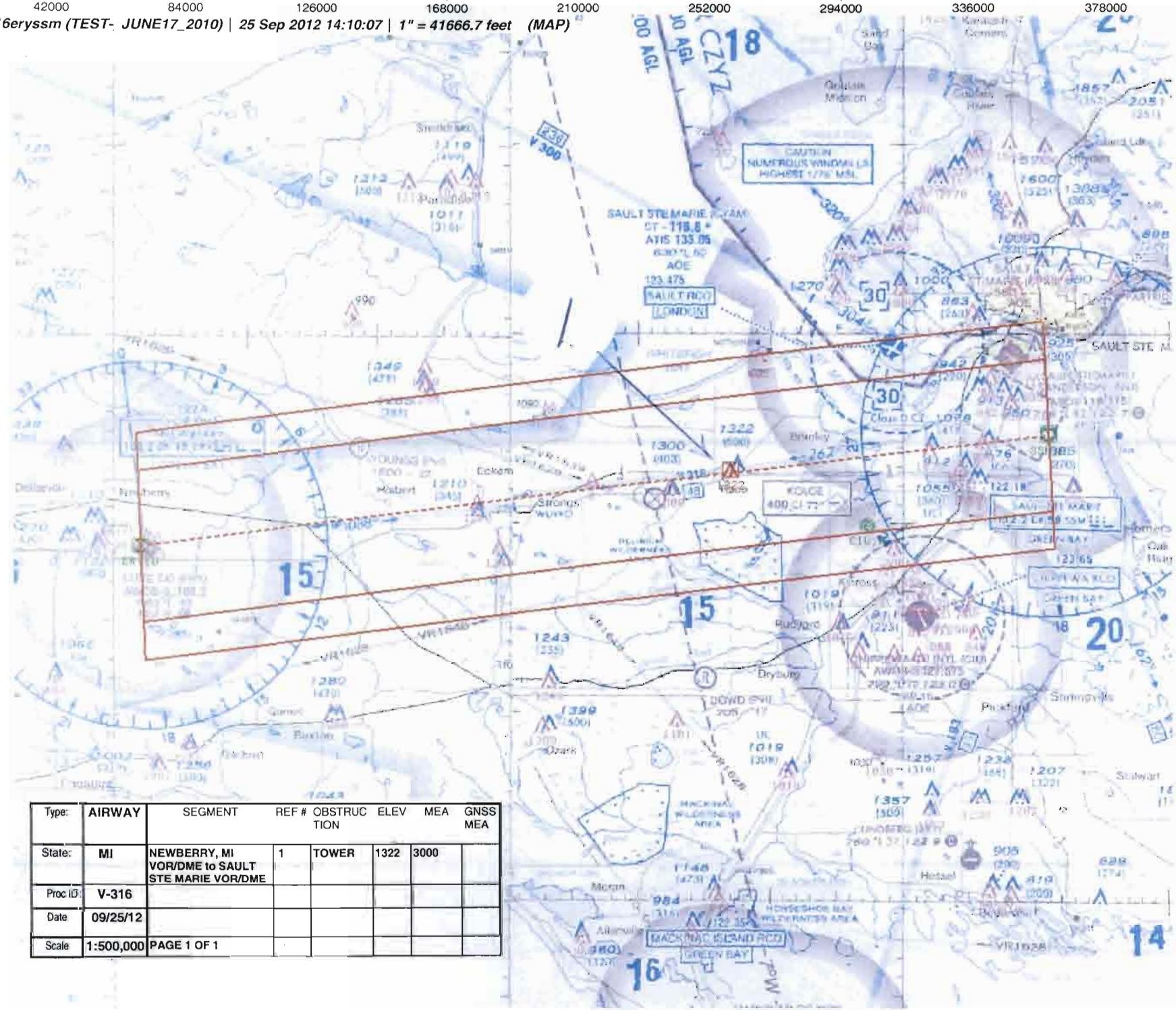


TO YQT
AVALE
SRADE
(KJSCR)
Sault Ste Marie Muni/
Sanderson Fld
(ANJ)
716 52
122.4
NEWBERRY (T)
108.2 ERY 19
N46°18.75' W85°27.81'
GREEN BAY
LONDON 123.475
(KJSTL)
Sault Ste Marie
(CYAM)
632 L 60
(A) ★133.05
CATGA
WALDI
HITAL
WUYFO
V316
NEWBERRY
Luce Co
(ERY)
869 43
279
088
KOLOE
400 CI
SAULT STE MARIE
Chippewa Co Intl
(CIU)
799 72
SIGOE
GREEN BAY 123.65
122.1R
SAULT STE MARIE
112.2 SSM 59
N46°24.73' W84°18.89'
GREEN BAY
V193
TATOE
PINES
HESSEL
Albert J Lindberg
ALVUS
RIBIR
HITAM
Bar River
(CPF2)
591 44
LOND
122.25
SCHOOLCRAFT CO
ST IGNACE
Mackinac Co

NM 7 14 21 28 35 42 49 56 63 70

FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000

fposmv | v316eryssm (TEST- JUNE17_2010) | 25 Sep 2012 14:10:07 | 1" = 41666.7 feet (MAP)



Type:	AIRWAY	SEGMENT	REF #	OBSTRUCTION	ELEV	MEA	GNSS MEA
State:	MI	NEWBERRY, MI VOR/DME to SAULT STE MARIE VOR/DME	1	TOWER	1322	3000	
Proc ID:	V-316						
Date	09/25/12						
Scale	1:500,000	PAGE 1 OF 1					

TRANSMITTAL OF AIRWAYS / ROUTE DATA

AIRWAY NO. OR ROUTE	FROM / TO	ROUTINE OR DOCKET NO.	CONTROLLING @ TERRAIN/OBSTRUCTION AND COORDINATES	MRA / MOCA	MAA / MEA	GNSS MEA	CHANGE OVER POINT	FIX MRA/MCA	REMARKS	FLIGHT INSPECTION DATES
V316	NEWBERRY, MI VOR/DME		TOWER 1322 462227.81N/0844254.08W TERRAIN 1077 @ 462518.00N/0845715.00W	3000	17500				NEW CONTROLLING OBST. RETAIN MEA. INC MOCA. CLEAR NOTAM	PENDING
	SAULT STE MARIE, MI VOR/DME			2400	3000					

DATE	OFFICE	TITLE	SIGNATURE
	AJV-312	MANAGER	Dez Silagyi

REVIEW/INQUIRY

RADIO FIX AND HOLDING DATA RECORD

NAME: NEWBERRY VOR/DME **STATE:** MI **COUNTRY:** US

LATITUDE/LONGITUDE: 461844.85N/0852748.82W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NEWBERRY	ERY	VOR/DME	T							12000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	ERY	VOR/DME	109.03	289.03	R	1		2500	6000	4	5
2	NW	ERY	VOR/DME	305.78	125.78	L	1		2700	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001995)	461846.00N/0853300.00W	1270	5D
2	200	TOWER (26-001995)	461846.00N/0853300.00W	1270	5D

REASON FOR NONSTANDARD HOLDING:
PAT 2 CONFORM TO PROCEDURE TURN AIRSPACE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V316	1				(US)
IAP	VOR RWY 11	1	2	KERY	NEWBERRY	MI (US)
IAP	VOR RWY 29	1	1	KERY	NEWBERRY	MI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
NEW COORDINATES, FIX MOVED 87FT WEST PER SURVEY DATED 12/02/2009, EFFECTIVE 02/11/2010.
UPDATE HOLDING, CHANGED PAT 1 MIN HOLDING FROM 2400 TO 2500 AND PAT 2 FROM 2400 TO 2700.
CHANGED PATTERN 1 INBOUND COURSE FROM 289 TO 289.03 AND PAT 2 FROM 127 TO 125.78.
CHANGED PAT 1 AND 2 AIRSPEED FROM 230 TO 200 AND UPDATED CONTROLLING OBSTRUCTIONS.
CHANGED MAX HOLDING ALTITUDE FROM 8000 TO 6000 AND TEMPLATE FROM 8 TO 5 PAT 1 AND 2.
MOVED HOLDING LIMITED NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED NOTE PRECIPITOUS TERRAIN EVALUATION COMPLETE TO REMARKS.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 02/24/2010 **OFFICE:** AVN-120 **NAME:** LARRY STROUT (HERMAN ROGERS)

APPROVED BY: **DATE:** 06/11/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

REVIEW/INQUIRY

NAME: SAULT STE MARIE VOR/DME **STATE:** MI **COUNTRY:** US

LATITUDE/LONGITUDE: 462443.60N/0841853.54W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAULT STE MARIE	SSM	VOR/DME	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	SSM	VOR/DME	038.00	218.00	R	1		3000	10000	4	10
2	SE	SSM	VOR/DME	157.00	337.00	R	1		2400	10000	4	10
3	NE		WP	038.00	218.00	R		4	3000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	463448.00N/0841333.00W	1444	4E
1	200	AAO	463348.00N/0841324.00W	1149	4E
2	200	AAO	462627.00N/0841324.00W	1024	4E
3	200	AAO	463442.00N/0841330.00W	1424	4E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3200.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J101					(US)
EN ROUTE	J140					(US)
EN ROUTE	J43					(US)
EN ROUTE	J500					(US)
EN ROUTE	J531					(US)
EN ROUTE	J548					(US)
EN ROUTE	J552					(US)
EN ROUTE	J588					(US)
EN ROUTE	V193					(US)
EN ROUTE	V300					(US)
EN ROUTE	V316					(US)
EN ROUTE	V348					(US)
EN ROUTE	V36					(US)
EN ROUTE	V360					(US)
EN ROUTE	V45					(US)
IAP	HI-ILS OR LOC/DME RWY 1			KAPN	ALPENA	MI (US)
IAP	HI-TACAN RWY 19			KAPN	ALPENA	MI (US)
IAP	HI-VOR/DME OR TACAN RWY 1			KAPN	ALPENA	MI (US)
IAP	VOR RWY 23			KPLN	PELLSTON	MI (US)
IAP	RNAV (GPS) RWY 14			KANJ	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 32			KANJ	SAULT STE MARIE	MI (US)
IAP	VOR RWY 32		2	KANJ	SAULT STE MARIE	MI (US)
IAP	ILS RWY 16			KCIU	SAULT STE MARIE	MI (US)
IAP	NDB RWY 34			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 09			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 27			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 34		3	KCIU	SAULT STE MARIE	MI (US)
IAP	VOR-A		1	KCIU	SAULT STE MARIE	MI (US)
STAR	PAITN			KORD	CHICAGO	IL (US)
STAR	WYNDE (RNAV)			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
FIX USE UPDATED.
UPN PAT CONTROLLING OBSTACLE UPDATED.
PAT 3 CONTROLLING OBSTACLE UPDATED.
PAT 1/2 MAX TEMPLATE SIZE CHANGED FROM 9 TO 10.

DEVELOPED BY:	**DATE:** 02/15/2011	**OFFICE:** AJV-353	**NAME:** JOSE ALFONSO (ANKUR VERMA)
APPROVED BY:	**DATE:** 06/02/2011	**OFFICE:** AJV-353	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER: TORONTO CENTER