

RADIO FIX AND HOLDING DATA RECORD

NAME: HITAL

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 462240.70N/0844324.02W

TYPE: WP

AIRSPACE DOCKET: 18-AGL-2

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
KCIU

CITY
SAULT STE MARIE

STATE
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

- 1.UPDATED FIX USE.
- 2.UPDATED FIX TYPE; DELETED DME.
- 3.REMOVED FIX MAKE-UP.
- 4.UPDATED REQUIRED CHARTING INFO; DELETED ENROUTE LOW AND CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/11/2018

OFFICE: AJV-5400

NAME: LONNIE EVERHART (ARTHUR GUMTAU)

APPROVED BY:

DATE:

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DISTRIBUTION:

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

DEZ SILAGYI

Jul 03, 2018

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEWBERRY VOR/DME STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 461844.85N/0852748.82W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

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

HOLDING: HOLDING TYPE OF ACTION: CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN 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.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE:	OFFICE:	NAME:
APPROVED BY:	DATE: 09/13/2018	OFFICE: AJV-5400 <i>Digitally signed by</i>	NAME: LONNIE EVERHART
	SIGNATURE:	DEZ SILAGYI	
		Jul 03, 2018	
DISTRIBUTION:	NFDC FPO: CEN ARTCC: ZMP ATC FACILITY: OTHER:		

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UZMEF

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 462023.50N/0862606.74W

TYPE: WP

AIRSPACE DOCKET: 18-AGL-2

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

- 1.REMOVED FIX MAKE-UP.
- 2.UPDATED FIX TYPE TO WAYPOINT.
- 3.FIX USE UPDATED.
- 4.REMOVED ESV INFO.
- 5.UPDATED REQUIRED CHARING INFO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/14/2018

OFFICE: AJV-5400

NAME: LONNIE EVERHART (ARTHUR GUMTAU)

APPROVED BY:

DATE:

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CHI
ARTCC: ZMP
ATC FACILITY:
OTHER:

Digitally signed by

DEZ SILAGYI

Jul 03, 2018



RADIO FIX AND HOLDING DATA RECORD

NAME: WALDI

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 462332.35N/0843314.40W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SAULT STE MARIE	SSM	VOR/DME	H	267.26	263.26	10.00	10.00		3000	17500

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
V-316

FAC PAT AIRPORT IDENT CITY
1

STATE
(US)

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/04/2016

REASON FOR REVISION:

UPDATED FIX USE.
REMOVED IAP FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 09/13/2018

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DEZ SILAGYI

Jul 03, 2018

DISTRIBUTION:

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

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUYFO STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 462116.38N/0845937.69W TYPE: WP

AIRSPACE DOCKET: 18-AGL-2 FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:											
PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN MAX
1	W		WP	270.27	090.27	R		4	3000	6000	5 6

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	TOWER (26-000272)	461817.00N/0850028.00W	1240	2D

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 14			KANJ	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 10			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 28		1	KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 07			K83D	ST IGNACE	MI (US)
IAP	RNAV (GPS) RWY 25			K83D	ST IGNACE	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 09/13/2018

REASON FOR REVISION:
 1. UPDATED FIX USE.
 2. UPDATED FIX TYPE.
 3. REMOVED FIX MAKE-UP FACILITIES.
 4. REMOVED ESV INFO.
 5. UPDATED REQUIRED CHARTING INFO.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 03/14/2018	OFFICE: AJV-5400	NAME: LONNIE EVERHART (ARTHUR GUMTAU)
APPROVED BY:	DATE:	OFFICE: AJV-5400	NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

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

DEZ SILAGYI
 Jul 03, 2018



RADIO FIX AND HOLDING DATA RECORD

NAME: YEXJO STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 462124.59N/0871603.17W TYPE: INT, DME
 AIRSPACE DOCKET: 18-AGL-2 FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	ESCANABA	ESC	VOR/DME	L	349.01	349.01		38.78	3000	17500
2	SAWYER	SAW	VOR/DME	H	095.29	091.29	5.40	5.40	3000	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E	SAW	VOR/DME	095.29	275.29	R	1	3000 8000	8 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (26-000261)	461825.00N/0871835.00W	1601	1D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ESCANABA (FAC 1) AND SAWYER (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1	1, 2	1	KSAW	MARQUETTE	MI (US)
IAP	VOR RWY 19	1, 2	1	KSAW	MARQUETTE	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

ADDED AIRSPACE DOCKET 18-AGL-2.
 CHANGED HOLDING PAT 1 LEG LENGTH TIME FROM 1 1/2 TO 1, MAX HOLDING ALTITUDE FROM 17500 TO 8000 AND MAX TEMPLATE FROM 15. CHANGED HOLDING PAT 1 CONTROLLING OBSTRUCTION FROM ID 23-0261 TO 26-000261 AND UPDATED COORDINATES.
 DELETED V316 FROM FIX USE.
 DELETED ENROUTE LOW AND CONTROLLER LOW FROM REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 04/10/2018	OFFICE: AJV-5400	NAME: LONNIE EVERHART (ARTHUR GUMTAU)
APPROVED BY:	DATE:	OFFICE: AJV-5400	NAME: LONNIE EVERHART
SIGNATURE:		Digitally signed by DEZ SILAGYI Jul 03, 2018	
DISTRIBUTION:	NFDC FPO: CHI ARTCC: ZMP ATC FACILITY: OTHER: AMGR		

