

RADIO FIX AND HOLDING DATA RECORD

NAME: BBEAR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 454857.67N/0880642.85W

TYPE: WP

AIRSPACE DOCKET: 23-AGL-27

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
T490
T765

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/17/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CINOP

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 460523.71N/0885151.56W

TYPE: WP

AIRSPACE DOCKET: 23-AGL-27

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE
IAP
IAP

USE TITLE

T490
RNAV (GPS) RWY 22
RNAV (GPS) RWY 32

FAC

PAT

AIRPORT IDENT

CITY

STATE

(US)
WI (US)
WI (US)

KEGV
KLNL
EAGLE RIVER
LAND O' LAKES

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

TYPE: REMOVED DME.
AIRSPACE DOCKET: ADDED 23-AGL-27.
FIX MAKE-UP FACILITIES: REMOVED FAC 1 (IMT) - IMT VOR MON.
FIX USE: ADDED T490 AND REMOVED V430.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: DINER

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 461209.22N/0891048.30W

TYPE: WP

AIRSPACE DOCKET: 23-AGL-27

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

T490

RNAV (GPS) RWY 22

KEGV

EAGLE RIVER

(US)

IAP

RNAV (GPS) RWY 14

KLNL

LAND O' LAKES

WI (US)

IAP

RNAV (GPS) RWY 32

KLNL

LAND O' LAKES

WI (US)

IAP

RNAV (GPS) RWY 18

KARV

MINOCQUA-WOODRUFF

WI (US)

IAP

RNAV (GPS) RWY 28

KARV

MINOCQUA-WOODRUFF

WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

TYPE: REMOVED INT AND DME.

AIRSPACE DOCKET: ADDED 23-AGL-27.

FIX MAKE-UP FACILITIES: REMOVED FACS 1 (IMT) AND 2 (RHI) - FIX HAS NO GROUND BASED NAVAID USAGE.

ESV: REMOVED IMT VOR/DME ESV DATA.

REMARKS: REMOVED FIX COORDINATES REMARK.

FIX USE: ADDED T490 AND REMOVED V430.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: ESCANABA VOR/DME STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 454321.49N/0870522.55W TYPE:

AIRSPACE DOCKET: 23-AGL-27 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						17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	W	ESC	VOR/DME	265.96	085.96	R	1	2500 6000	4 5
2	S	ESC	VOR/DME	171.00	351.00	R	1	2400 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	454248.00N/0871848.00W	1031	4E
2	200	TOWER (26-000406)	454655.86N/0870603.82W	959	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ESC MAGVAR 00E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WINEP (RNAV)			2P2	WASHINGTON ISLAND	WI (US)
EN ROUTE	T490					(US)
EN ROUTE	V133					(US)
IAP	ILS OR LOC RWY 10		1	KESC	ESCANABA	MI (US)
IAP	LOC BC RWY 28		1	KESC	ESCANABA	MI (US)
IAP	VOR RWY 1		2	KESC	ESCANABA	MI (US)
IAP	ILS OR LOC RWY 1			KSAW	MARQUETTE	MI (US)
IAP	VOR RWY 19			KSAW	MARQUETTE	MI (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AGL-27.
 FIX USE: ADDED T490. REMOVED V430 AND V78.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: IRONWOOD VOR/DME STATE: MI COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 463156.12N/0900733.06W TYPE:

AIRSPACE DOCKET: 23-AGL-27 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	IRONWOOD	IWD	VOR/DME	L						17500

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	IWD	VOR/DME	259.00	079.00	L	1		3300	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	462903.00N/0900648.00W	1998	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 1E (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T490					(US)
EN ROUTE	V148					(US)
EN ROUTE	V191					(US)
EN ROUTE	V316					(US)
EN ROUTE	V413					(US)
EN ROUTE	V430					(US)
IAP	ILS OR LOC RWY 27		1	KIWD	IRONWOOD	MI (US)
IAP	VOR RWY 9			KIWD	IRONWOOD	MI (US)
IAP	LOC RWY 2			KASX	ASHLAND	WI (US)
IAP	RNAV (GPS) RWY 20			KASX	ASHLAND	WI (US)
IAP	RNAV (GPS) RWY 22			KEGV	EAGLE RIVER	WI (US)
IAP	RNAV (GPS) RWY 22			4R5	LA POINTE	WI (US)
IAP	RNAV (GPS) RWY 4			4R5	LA POINTE	WI (US)
IAP	RNAV (GPS) RWY 18			KARV	MINOCQUA-WOODRUFF	WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 19-AGL-7 TO 23-AGL-27.
FIX USE: ADDED T490.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: BARRY SMITH
APPROVED BY:	DATE: 03/13/2025	OFFICE: AJV-A423	NAME: ALLAN WILL

SIGNATURE:

Digitally signed by
ALLAN WILL
Jan 28, 2025

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VUKFI

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 454548.74N/0873129.46W

TYPE: WP

AIRSPACE DOCKET: 23-AGL-27

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T490

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

TYPE: ADDED WP. REMOVED INT AND DME.

AIRSPACE DOCKET: CHANGED 21-AGL-14 TO 23-AGL-27.

FIX MAKE-UP FACILITIES: REMOVED FACS 1 (ESC) AND 2 (SAW) - FIX HAS NO GROUND BASED NAVAID USAGE.

REMARKS: REMOVED FIX COORDINATES REMARK.

FIX USE: ADDED T490. REMOVED V430 AND V78.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025

QUALITY
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CHECKED