

RADIO FIX AND HOLDING DATA RECORD

NAME: MAJRA

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 444411.32N/0853446.80W

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 FAC NM	FAC FEET	MRA	MAA
1	TRAVERSE CITY	TVC	VOR/DME	H	344.87	342.87	4.31	4.31		1200	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
VOR-A

FAC
1

PAT

AIRPORT IDENT
KTVC

CITY
TRAVERSE CITY

STATE
MI (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/12/2013

REASON FOR REVISION:

FIX MOVED 2304 FT EAST TO NEW MISSED APPROACH POINT.
UPDATED LAT/LON.
CHANGED FIX FROM CNF TO DME PER 8260.19E, PARA 2-64,A,4.
ADDED FACILITY INFO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/30/2013

OFFICE: AJV-353

NAME: JILL OLSON (COLTON CROWDER)

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

Digitally signed by

DAVID DANNER

May 07, 2025

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: TVC TOWER
OTHER:

QUALITY
40
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRAVERSE CITY VOR/DME

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 444004.50N/0853300.04W

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	FEET	MRA	MAA
1	TRAVERSE CITY	TVC	VOR/DME	VH							45000

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	S	TVC	VOR/DME	160.00	340.00	R	1		3000	6000	4	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001838)	443246.00N/0852506.00W	1502	5D
1	310	TOWER (26-001762)	442312.20N/0852232.60W	1704	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 28	KTVC	TRAVERSE CITY	MI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: W02/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J548					(US)
EN ROUTE	V133					(US)
EN ROUTE	V193					(US)
EN ROUTE	V320					(US)
EN ROUTE	V420					(US)
IAP	HI-ILS OR LOC RWY 1			KAPN	ALPENA	MI (US)
IAP	HI-TACAN RWY 19			KAPN	ALPENA	MI (US)
IAP	HI-VOR OR TACAN RWY 1			KAPN	ALPENA	MI (US)
IAP	RNAV (GPS) RWY 25			KCAD	CADILLAC	MI (US)
IAP	RNAV (GPS) RWY 7			KCAD	CADILLAC	MI (US)
IAP	RNAV (GPS) RWY 9			KCVX	CHARLEVOIX	MI (US)
IAP	ILS OR LOC RWY 28		1	KTVC	TRAVERSE CITY	MI (US)
IAP	ILS OR LOC RWY 10		1	KTVC	TRAVERSE CITY	MI (US)
IAP	RNAV (GPS) RWY 28			KTVC	TRAVERSE CITY	MI (US)
STAR	WYNDE (RNAV)			KORD	CHICAGO	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

FIX USE: REMOVED IAP VOR-A AT KTVC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TIMOTHY JOHNSON

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

Digitally signed by

DAVID DANNER

May 07, 2025

QUALITY
40
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WAMOM

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 444216.66N/0853357.18W

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	TRAVERSE CITY	TVC	VOR/DME	H	344.87	342.87	2.31	2.31		1340	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
VOR-A

FAC
1

PAT

AIRPORT IDENT
KTVC

CITY
TRAVERSE CITY

STATE
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/12/2013

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/30/2013

OFFICE: AJV-353

NAME: JILL OLSON (COLTON CROWDER)

APPROVED BY:

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