

# RADIO FIX AND HOLDING DATA RECORD

NAME: FOVUP

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445211.17N/0851502.92W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 2

FAC

PAT

AIRPORT IDENT  
KACB

CITY  
BELLAIRE

STATE  
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: REMOVED "KACB R02" - WAYPOINT ONLY.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: WALKER MILLIGAN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 17, 2024

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HATTR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445401.70N/0851414.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 2

FAC

PAT

AIRPORT IDENT  
KACB

CITY  
BELLAIRE

STATE  
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: MOVED FIX 418 FEET SW, FROM "445405.66N/0851412.45W" TO "445401.70N/0851414.11W".
2. FIX MAKE-UP FACILITIES: REMOVED "KACB R02" - WAYPOINT ONLY.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: WALKER MILLIGAN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 17, 2024

QUALITY  
39  
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# RADIO FIX AND HOLDING DATA RECORD

NAME: KEENO STATE: MI COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 444816.42N/0851646.21W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	S		WP	202.37	022.37	R	4	2700	6000	5	6	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	TOWER (26-001188)	444728.47N/0851420.85W	1546	4D

HOLDING RESTRICTIONS:  
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:  
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) RWY 2		1	KACB	BELLAIRE	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 12/26/2024

REASON FOR REVISION:  
1. FIX MAKE-UP FACILITIES: REMOVED "KACB R02" - WAYPOINT ONLY.  
2. UPDATED CONTROLLING OBSTACLE FROM "TOWER (23-1188), 1539" TO "TOWER 26-001188, 1546".  
3. HOLDING RESTRICTIONS: ADDED "HOLDING LIMITED TO ESTABLISHED PATTERN." MOVED FROM REMARKS.  
4. REMARKS: ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETE."

10/16/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/30/24.  
1. HOLDING TYPE OF ACTION CHANGED FROM "NO CHANGE" TO "MODIFY" - PAT 1 DME AND MINIMUM ALT UPDATE NOT CAPTURED IN ACTION TYPE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: WALKER MILLIGAN
APPROVED BY:	DATE: 12/26/2024	OFFICE: AJV-A421	NAME: DAVID DANNER
SIGNATURE:		Digitally signed by <b>DAVID DANNER</b> Oct 17, 2024	

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MADZA

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445650.67N/0851259.55W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 2

FAC

PAT

AIRPORT IDENT  
KACB

CITY  
BELLAIRE

STATE  
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/26/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: WALKER MILLIGAN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 17, 2024

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: POXOE

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 450118.43N/0851101.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 2

FAC

PAT

AIRPORT IDENT  
KACB

CITY  
BELLAIRE

STATE  
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: REMOVED "KACB R02" - WAYPOINT ONLY.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: WALKER MILLIGAN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 17, 2024

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SKIPR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 444954.17N/0852406.38W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## 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	VH	034.77	032.77	11.70	11.70		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V193	1				(US)
EN ROUTE	V320	1				(US)
IAP	RNAV (GPS) RWY 2			KACB	BELLAIRE	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

1. FIX MAKE-UP: UPDATED TRAVERSE CITY VOR/DME CLASS FROM "H" TO "VH".
2. REMARKS: REMOVED "TRAVERSE CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES.".
3. REQUIRED CHARTING: REPLACED "CONTROLLER" WITH "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: WALKER MILLIGAN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

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**DAVID DANNER**

Oct 17, 2024

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: TUGGS

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 444646.67N/0851004.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 2

FAC

PAT

AIRPORT IDENT  
KACB

CITY  
BELLAIRE

STATE  
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. REMOVED "KEENO" FROM FIX MAKE-UP FACILITIES.
2. ADDED FIX USE "RNAV (GPS) RWY 2" TO FIX USE TITLE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: WALKER MILLIGAN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

*Digitally signed by*  
**DAVID DANNER**  
Oct 17, 2024

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