

RADIO FIX AND HOLDING DATA RECORD

NAME: BOHRR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423516.53N/0852605.87W

TYPE: WP

AIRSPACE DOCKET: 22-AGL-1

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 29			35D	ALLEGAN	MI (US)
IAP	RNAV (GPS) RWY 35			KGRR	GRAND RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 12			9D9	HASTINGS	MI (US)
IAP	RNAV (GPS) RWY 30			9D9	HASTINGS	MI (US)
IAP	RNAV (GPS) RWY 17			KAZO	KALAMAZOO	MI (US)
IAP	RNAV (GPS) RWY 23			KAZO	KALAMAZOO	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

1. TYPE: REMOVED "INT" AND "DME"
2. DOCKET: UPDATED "17-AGL-1" TO "22-AGL-1"
3. FIX MAKE-UP: REMOVED FAC 1 AND FAC 2
4. REMARKS: REMOVED "VICTORY (FAC 1) AND PULLMAN (FAC 2) USED TO ESTABLISH FIX COORDINATES."
5. FIX USE: REMOVED "EN ROUTE V285"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ENRUW

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423012.16N/0853328.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	102.85	282.85	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-000456)	423415.00N/0852809.00W	1956	4D

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 29		1	35D	ALLEGAN	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/11/2010

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/11/2009

OFFICE: AVN-120

NAME: CHRIS ZUEST

APPROVED BY:

DATE: 12/16/2009

OFFICE: AVN-120

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: GRR APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HEDUT

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423930.84N/0855551.81W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 29

FAC

PAT

AIRPORT IDENT
35D

CITY
ALLEGAN

STATE
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/11/2010

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/11/2009

OFFICE: AVN-120

NAME: CHRIS ZUEST

APPROVED BY:

DATE: 12/16/2009

OFFICE: AVN-120

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: GRR APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ITIKE

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423234.34N/0855706.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

RNP CRITERIA USED.

FIX USE:
USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP
IAP

RNAV (GPS) RWY 11
RNAV (GPS) RWY 29

35D
35D

ALLEGAN
ALLEGAN

MI (US)
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

FIX MOVED 52.6393 FT EAST FOR PROCEDURAL ALIGNMENT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RALPH MILLER

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 422757.72N/0860617.31W TYPE:

AIRSPACE DOCKET: 24-AGL-23 FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	PULLMAN	PMM	VOR/DME	H						45000

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	PMM	VOR/DME	073.13	253.13	R	1 1/2	18000 29000	16 22

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 0E 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J547		1			(US)
EN ROUTE	J548					(US)
EN ROUTE	J70					(US)
EN ROUTE	J94		1			(US)
EN ROUTE	V170					(US)
EN ROUTE	V274					(US)
EN ROUTE	V30					(US)
EN ROUTE	V84					(US)
IAP	RNAV (GPS) RWY 11			35D	ALLEGAN	MI (US)
IAP	RNAV (GPS) RWY 29			35D	ALLEGAN	MI (US)
IAP	ILS OR LOC RWY 8R			KGRR	GRAND RAPIDS	MI (US)
IAP	ILS OR LOC RWY 26			KBIV	HOLLAND	MI (US)
IAP	RNAV (GPS) RWY 17			KAZO	KALAMAZOO	MI (US)
IAP	RNAV (GPS) RWY 5			KLWA	SOUTH HAVEN	MI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25 DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-AGL-23.
HOLDING: CHANGED PAT 1 LEG LENGTH TIME FROM 1 TO 1 1/2.
FIX USE: REMOVED V55.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: BARRY SMITH

APPROVED BY: DATE: 06/04/2026 OFFICE: AJV-A420 NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SAMME

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423936.95N/0854417.40W

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 FAC NM	FAC FEET	MRA	MAA
1	VICTORY	VIO	VOR/DME	VH	238.65	234.65	13.09	13.09		3000	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	E		WP	090.15	270.15	R		4	3000	6000	5	13
2	NW		WP	302.15	122.15	L		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001048)	424112.00N/0853152.00W	1920	5E
1	310	TOWER (26-000456)	423415.00N/0852809.00W	1956	4D
2	200	TOWER (26-001936)	423828.00N/0855038.00W	1370	5E

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 11	35D	ALLEGAN	MI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V274	1				(US)
IAP	RNAV (GPS) RWY 11		1	35D	ALLEGAN	MI (US)
IAP	RNAV (GPS) RWY 29		2	35D	ALLEGAN	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. FIX MAKE-UP: REMOVED "PMM VOR/DME" AND ASSOCIATED DATA; ADDED FAC 2 VIO VOR/DME DME "13.09".
2. REMARKS: REMOVED "PULLMAN (FAC 1) AND VICTORY (FAC 2) USED TO ESTABLISH FIX COORDINATES."
3. FIX USE: EN ROUTE V274 REMOVED "FAC 2"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: