

RADIO FIX AND HOLDING DATA RECORD

NAME: CLOCK

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 430844.48N/0853546.11W

TYPE: WP

AIRSPACE DOCKET: 21-AGL-27

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 LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	354.51	174.51	L	4	3000	8000	5	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-002202)	431148.00N/0853106.00W	1378	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

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 17			GRR	GRAND RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 26R		1	GRR	GRAND RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 35		1	GRR	GRAND RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 8L		1	GRR	GRAND RAPIDS	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

ADDED DOCKET NUMBER 21-AGL-27
REMOVED DME FROM FIX TYPE
REMOVED PMM AND VIO FROM FIX MAKE-UP
REMOVED V193 AND V285 FROM FIX USE
REMOVED REMARK PULLMAN (FAC 1) AND VICTORY (FAC 2) USED TO ESTABLISH FIX COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: JOSEPH BLANCO

APPROVED BY:

DATE: 09/08/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HABKO

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 425810.45N/0853209.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (GPS) RWY 17
RNAV (GPS) RWY 35

FAC

PAT

AIRPORT IDENT
GRR
GRR

CITY
GRAND RAPIDS
GRAND RAPIDS

STATE
MI (US)
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/13/2014

REASON FOR REVISION:

DELETED KGRR R17.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/07/2014

OFFICE: AJV-353

NAME: JOHN HAZELTON

APPROVED BY:

DATE: 11/13/2014

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: VICTORY VOR/DME

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424712.18N/0852949.46W

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	VICTORY	VIO	VOR/DME	VH							45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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	SW	VIO	VOR/DME	238.66	058.66	R	1		3000	6000	4	12
2	SW		WP	240.66	060.66	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001048)	424114.23N/0853200.22W	1908	4D
1	310	TOWER (26-001048)	424114.23N/0853200.22W	1908	4D
2	200	TOWER (26-001048)	424114.23N/0853200.22W	1908	4D
2	310	TOWER (26-001048)	424114.23N/0853200.22W	1908	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 26L	GRR	GRAND RAPIDS	MI (US)
1	ILS OR LOC RWY 8R	GRR	GRAND RAPIDS	MI (US)
2	RNAV (GPS) RWY 17	GRR	GRAND RAPIDS	MI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VICTORY VOR/DME MAGVAR W04/1995

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J34	1				(US)
EN ROUTE	V274	1				(US)
IAP	RNAV (GPS) RWY 23R			BTL	BATTLE CREEK	MI (US)
IAP	ILS OR LOC RWY 26L	1	1	GRR	GRAND RAPIDS	MI (US)
IAP	ILS OR LOC RWY 35	1		GRR	GRAND RAPIDS	MI (US)
IAP	ILS OR LOC RWY 8R	1	1	GRR	GRAND RAPIDS	MI (US)
IAP	ILS RWY 35 (SA CAT I)	1		GRR	GRAND RAPIDS	MI (US)
IAP	ILS RWY 35 (SA CAT II)	1		GRR	GRAND RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 17		2	GRR	GRAND RAPIDS	MI (US)
IAP	VOR RWY 17	1	1	GRR	GRAND RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 10			6D6	GREENVILLE	MI (US)
IAP	RNAV (GPS) RWY 28			6D6	GREENVILLE	MI (US)
IAP	ILS OR LOC RWY 26	1		BIV	HOLLAND	MI (US)
IAP	ILS OR LOC RWY 10R	1		LAN	LANSING	MI (US)
IAP	ILS OR LOC RWY 28L	1		LAN	LANSING	MI (US)
STAR	WYNDE (RNAV)			ORD	CHICAGO	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 29

DATE OF REVISION: 08/06/2026

REASON FOR REVISION:

FIX USE: REMOVED VOR RWY 12 AT K9D9.
HOLDING PATTERN ASSOCIATION 2,VIO,VOR/DME DELETED

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BYRON STUBBLEFIELD

APPROVED BY:

DATE: 07/02/2026

OFFICE: AJV-A431

NAME: CASEY HILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WEBOM

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 430414.87N/0853325.37W

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 17

FAC

PAT

AIRPORT IDENT
GRR

CITY
GRAND RAPIDS

STATE
MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/13/2014

REASON FOR REVISION:

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UPDATED FIX USE.

INITIATED BY:

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NAME:

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DATE: 04/07/2014

OFFICE: AJV-353

NAME: JOHN HAZELTON

APPROVED BY:

DATE: 11/13/2014

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

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ATC FACILITY: GRR APP CON
OTHER: