

RADIO FIX AND HOLDING DATA RECORD

NAME: ARMUW

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 452636.41N/0951145.54W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ALEXANDRIA	AXN	VOR/DME	VL	170.13	177.13	30.94	30.94		3500	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V175	1				(US)
IAP	RNAV (GPS) RWY 32			BBB	BENSON	MN (US)
IAP	RNAV (GPS) RWY 13			LJF	LITCHFIELD	MN (US)
IAP	RNAV (GPS) RWY 32			D39	SAUK CENTRE	MN (US)
IAP	RNAV (GPS) RWY 13			BDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 31			BDH	WILLMAR	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

REMOVED PAT 1 FROM HOLDING AND ASSOCIATED NOTES.
CHANGED FROM CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CLAPS

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450334.50N/0951923.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T462					(US)
IAP	RNAV (GPS) RWY 32			BBB	BENSON	MN (US)
IAP	RNAV (GPS) RWY 30			CNB	CANBY	MN (US)
IAP	RNAV (GPS) RWY 32			DXX	MADISON	MN (US)
IAP	RNAV (GPS) RWY 14			MVE	MONTEVIDEO	MN (US)
IAP	RNAV (GPS) RWY 13			BDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 31			BDH	WILLMAR	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

1. TYPE: REMOVED INT AND DME.
2. FIX MAKE-UP FACILITIES: REMOVED FAC 1 AND FAC 2.
3. FIX USE: REMOVED IAP: VOR RWY 31 AT KBDH WILLMAR MN (US).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: BRYANT SMITH

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: FIKIG

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450330.64N/0950154.66W

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 31

FAC

PAT

AIRPORT IDENT
BDH

CITY
WILLMAR

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

CHANGED FIX COORDINATES FROM "450330.61N/0950154.67W" TO "450330.64N/0950154.66W". FIX MOVED NORTH BY 3 FT.
REMOVED "8260.54A FORMULA 2-16B USED TO DETERMINE PFAF FIX COORDINATES" FROM REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 01/25/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HEPV

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445932.37N/0945512.12W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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	SE		WP	125.89	305.89	R	4	2800	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001508)	445759.69N/0945025.52W	1593	5D

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 13		1	BDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 31		1	BDH	WILLMAR	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

UPDATED PAT 1 200 TOWER (27-001508) COORDINATES FROM "445800.00N/0945026.00W" TO "445759.69N/0945025.52W" IN CONTROLLING OBSTRUCTIONS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 01/25/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: REDWOOD FALLS VOR/DME

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 442802.19N/0950741.63W

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	REDWOOD FALLS	RWF	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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S	RWF	VOR/DME	196.00	016.00	R	1		2600	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (27-002448)	443005.90N/0951032.20W	1433	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 7E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J34					(US)
EN ROUTE	J90					(US)
EN ROUTE	T322					(US)
EN ROUTE	V148					(US)
EN ROUTE	V175					(US)
EN ROUTE	V24					(US)
EN ROUTE	V26					(US)
EN ROUTE	V398					(US)
EN ROUTE	V412					(US)
IAP	ILS OR LOC RWY 12			MML	MARSHALL	MN (US)
IAP	RNAV (GPS) RWY 12			MML	MARSHALL	MN (US)
IAP	RNAV (GPS) RWY 32			MVE	MONTEVIDEO	MN (US)
IAP	VOR-A	1	1	OVL	OLIVIA	MN (US)
IAP	RNAV (GPS) RWY 30			RWF	REDWOOD FALLS	MN (US)
IAP	RNAV (GPS) RWY 13			D42	SPRINGFIELD	MN (US)
IAP	RNAV (GPS) RWY 31			D42	SPRINGFIELD	MN (US)
IAP	RNAV (GPS) RWY 11			TKC	TRACY	MN (US)
IAP	RNAV (GPS) RWY 29			TKC	TRACY	MN (US)
IAP	ILS OR LOC RWY 13			BDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 31			BDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 17			MWM	WINDOM	MN (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: 05/14/2026

REASON FOR REVISION:

1. FIX USE: REMOVED VOR RWY 13 IAP AT KD42, REMOVED VOR RWY 12 AT MML, REMOVED VOR/DME RWY 33 AT KGDB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TODD DAMRON

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZONUL

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450545.63N/0950543.52W

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 31

FAC

PAT

AIRPORT IDENT
BDH

CITY
WILLMAR

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

CHANGED FIX COORDINATES FROM "450545.05N/0950542.56W" TO "450545.63N/0950543.52W". FIX MOVED NW BY 91 FT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 01/25/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE: