

RADIO FIX AND HOLDING DATA RECORD

NAME: ALEXANDRIA VOR/DME **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 455730.20N/0951357.49W **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	ALEXANDRIA	AXN	VOR/DME	VL						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	NE	AXN	VOR/DME	044.00	224.00	R	1	3000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	460542.00N/0950824.00W	1690	4B

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	T403					(US)
EN ROUTE	V171					(US)
EN ROUTE	V175					(US)
EN ROUTE	V2					(US)
EN ROUTE	V510					(US)
IAP	ILS OR LOC RWY 31		1	AXN	ALEXANDRIA	MN (US)
IAP	RNAV (GPS) RWY 13			AQP	APPLETON	MN (US)
IAP	ILS OR LOC RWY 31			RYM	CAMP RIPLEY	MN (US)
IAP	NDB RWY 31			RYM	CAMP RIPLEY	MN (US)
IAP	RNAV (GPS) RWY 13			RYM	CAMP RIPLEY	MN (US)
IAP	VOR RWY 32			DTL	DETROIT LAKES	MN (US)
IAP	ILS OR LOC RWY 31			FFM	FERGUS FALLS	MN (US)
IAP	VOR RWY 33			GHW	GLENWOOD	MN (US)
IAP	RNAV (GPS) RWY 14			D39	SAUK CENTRE	MN (US)
STAR	GOPHER			ANE	MINNEAPOLIS	MN (US)
STAR	GOPHER			FCM	MINNEAPOLIS	MN (US)
STAR	GOPHER			LVN	MINNEAPOLIS	MN (US)
STAR	GOPHER			MIC	MINNEAPOLIS	MN (US)
STAR	GOPHER			MSP	MINNEAPOLIS	MN (US)
STAR	GOPHER			STP	ST PAUL	MN (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 27

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED IAP ILS OR LOC RWY 13 AT STC AND ADDED IAP VOR RWY 32 AT DTL.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** EMMANUEL GONZALES

APPROVED BY: **DATE:** 09/24/2026 **OFFICE:** AJV-A422 **NAME:** RAKE MCGRAW

SIGNATURE: Digitally signed by

RAKE MCGRAW

Jun 08, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: FERGUS FALLS VOR/DME STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 461721.67N/0960924.52W 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	MRA	MAA
1	FERGUS FALLS	FFM	VOR/DME	T						13200

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	NW	FFM	VOR/DME	294.67	114.67	R	1	3000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000571)	461912.00N/0960535.00W	1610	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 13		1	FFM	FERGUS FALLS	MN (US)
IAP	ILS OR LOC RWY 31			FFM	FERGUS FALLS	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED IAP NDB RWY 33 AT KBWP.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: EMMANUEL GONZALES

APPROVED BY: DATE: 09/24/2026 OFFICE: AJV-A422 NAME: RAKE MCGRAW

SIGNATURE: Digitally signed by

RAKE MCGRAW

Jun 08, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: HAMRE LOM

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 461313.70N/0960324.45W

TYPE: 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 FAC NM	FEET	MRA	MAA
1	HAMRE	FF	LOM								17500
2	FERGUS FALLS	I-FFM	LOC		128.22	133.22		6.16		2900	5600
3	FERGUS FALLS	FFM	VOR/DME	T	130.28	135.28	5.87	5.87		2900	13200

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	SE	I-FFM	LOC	128.22	308.22	L	1	3000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000825)	461444.00N/0955847.00W	1866	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 PROVIDES SEPARATION FROM TRAFFIC ON V-2

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE HAMRE LOM.
ACTUAL FACILITY LOCATION IS 461311.34N/960327.65W.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31	1, 2, 3	1	FFM	FERGUS FALLS	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. REMARKS: UPDATED ACTUAL FACILITY LOCATION FROM "461311.34N/960327.67W" TO "461311.34N/960327.65W".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: EMMANUEL GONZALES

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Jun 08, 2026

