

RADIO FIX AND HOLDING DATA RECORD

NAME: EMORE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 434220.34N/0921109.07W

TYPE: WP, INT, 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	FEET	MRA	MAA
1	ROCHESTER	RST	VOR/DME	L	099.39	104.39	18.47	18.47		3000	17500
2	NODINE	ODI	VORTAC	H	247.58	248.58		33.58		3000	17500
3	ROCHESTER	I-RST	LOC		133.14	132.14		19.31		2800	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RST	LOC	R-133	20	2800	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NODINE (FAC 2) AND ROCHESTER (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 29			KFKA	PRESTON	MN (US)
IAP	COPTER ILS Y OR LOC Y RWY 31	1, 2, 3		KRST	ROCHESTER	MN (US)
IAP	ILS Z OR LOC Z RWY 31	1, 2, 3		KRST	ROCHESTER	MN (US)
IAP	ILS Z RWY 31 (SA CAT I-II)	1, 2, 3		KRST	ROCHESTER	MN (US)
IAP	RNAV (GPS) RWY 2			KRST	ROCHESTER	MN (US)
IAP	RNAV (GPS) RWY 31			KRST	ROCHESTER	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

- CHANGED FIX MAKE-UP FACILITY #3 MAG BRG FROM 131.14 TO 133.14 FOR MAGVAR UPDATE.
- CHANGED ESV RADIAL/BEARING FROM R-131 TO R-133 FOR MAGVAR UPDATE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: CHARLES THIBODEAUX

APPROVED BY:

DATE: 03/24/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MINGO **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 435110.57N/0922434.16W **TYPE:** WP, INT

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	ROCHESTER	I-RST	LOC		133.14	132.14		6.17	37512	2800	5700
2	ROCHESTER	RST	VOR/DME	L	057.64	062.64		9.16		2800	5700

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	I-RST	LOC	133.14	313.14	R	1		2800	5000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-002477)	435117.71N/0922010.62W	1655	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ROCHESTER (FAC 1) AND ROCHESTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	COPTER ILS Y OR LOC Y RWY 31	1, 2	1	KRST	ROCHESTER	MN (US)
IAP	ILS Z OR LOC Z RWY 31	1, 2	1	KRST	ROCHESTER	MN (US)
IAP	RNAV (GPS) RWY 31			KRST	ROCHESTER	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 07/14/2022

REASON FOR REVISION:

- CHANGED HOLDING PATTERN 1 RAD/CRS/BRG AND CRS INBOUND FROM 131.14/311.14 TO 133.14/313.14 FOR MAGVAR UPDATE
- CHANGED FIX MAKE-UP FACILITY 1, I-RST, FROM MAG BRG FROM 131.14 TO 133.14

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** CHARLES THIBODEAUX

APPROVED BY: **DATE:** 03/24/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE: