

# RADIO FIX AND HOLDING DATA RECORD

NAME: NODINE VORTAC STATE: MN COUNTRY: US ICAO REGION CODE: K3  
 LATITUDE/LONGITUDE: 435444.38N/0912803.06W TYPE:  
 AIRSPACE DOCKET: 19-AGL-16 FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	NODINE	ODI	VORTAC	H						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	S	ODI	VORTAC	177.54	357.54	R	1		3400	6000	4	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000375)	434823.00N/0912203.00W	2045	3C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 REFERENCE MAGNETIC VARIATION: 1 E.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ZMBRO			KANE	MINNEAPOLIS	MN (US)
DP	ZMBRO			KFCM	MINNEAPOLIS	MN (US)
DP	MEADOW LAKE			KMSP	MINNEAPOLIS	MN (US)
DP	MINNEAPOLIS			KMSP	MINNEAPOLIS	MN (US)
DP	ZMBRO			KMSP	MINNEAPOLIS	MN (US)
DP	ZMBRO			KSTP	ST PAUL	MN (US)
EN ROUTE	J30					(US)
EN ROUTE	J34					(US)
EN ROUTE	J36					(US)
EN ROUTE	V129					(US)
EN ROUTE	V170					(US)
EN ROUTE	V171					(US)
EN ROUTE	V2					(US)
EN ROUTE	V510					(US)
EN ROUTE	V82					(US)
EN ROUTE	V97					(US)
IAP	VOR/DME OR GPS-A			KCHU	CALEDONIA	MN (US)
IAP	COPTER ILS Y OR LOC Y RWY 31			KRST	ROCHESTER	MN (US)
IAP	ILS Z OR LOC Z RWY 31			KRST	ROCHESTER	MN (US)
IAP	VOR-A			K55Y	RUSHFORD	MN (US)
IAP	ILS Y OR LOC Y RWY 30			KONA	WINONA	MN (US)
IAP	ILS OR LOC RWY 18		1	KLSE	LA CROSSE	WI (US)
IAP	RNAV (GPS) RWY 11			KCMY	SPARTA	WI (US)
STAR	EAU CLAIRE			KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 07/16/2020

## REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 19-AGL-16.
2. FIX MAKE-UP FACILITIES SECTION FAC1: REMOVED 3000 FROM MRA.
3. CONTROLLING OBSTRUCTIONS SECTION: REMOVED UPN CONTROLLING OBSTACLE.
4. HOLDING RESTRICTIONS SECTION: CHANGED UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3500 TO READ HOLDING LIMITED TO ESTABLISHED PATTERN.
5. FIX USE SECTION: REMOVED V246 EN ROUTE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: MICHAEL GARRITY
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO: CEN**  
**ARTCC: ZMP**  
**ATC FACILITY: CMY ATCT**  
**OTHER:**