

RADIO FIX AND HOLDING DATA RECORD

NAME: CHYMP

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445135.55N/0932416.58W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MINNEAPOLIS	MSP	VOR/DME	L	251.02	253.02	7.50	7.50		7000	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SKETR	1		KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/05/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MSP APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: JAEDN

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 444720.15N/0934335.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
TORGY (RNAV)

FAC

PAT

AIRPORT IDENT
KMSP

CITY
MINNEAPOLIS

STATE
MN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. REMOVED FIX TYPE: DME.
2. REMOVED FIX MAKE-UP FACILITY: MINNEAPOLIS (MSP) VOR/DME.
3. REMOVED FIX USE: KMSP SKETR STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: MONKY

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445109.10N/0932617.53W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MINNEAPOLIS	MSP	VOR/DME	L	251.02	253.02	9.00	9.00		7000	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SKETR	1		KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

RAISED MRA FROM 3000 TO 7000 (MEA)
ADDED DIST FROM FAC
REFORMATTED FIX USE
ADDED CONTROLLER CHARTING

INITIATED BY:

DATE:

ORGANIZATION: MSP ARTCC

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MSP APP CON
OTHER:

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NORWD

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 444454.77N/0935427.23W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MINNEAPOLIS	MSP	VOR/DME	L	251.02	253.02	30.00	30.00		7000	17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SKETR	1		KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

ADDED DISTANCE FROM FACILITY DATA
REFORMATTED FIX USE
RAISED MRA FROM 3000 TO 7000 (MEA)

INITIATED BY:

DATE:

ORGANIZATION: MINNEAPOLIS ARTCC NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MSP APP CON
OTHER:

QUALITY
35
CHECKED

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	MRA	MAA
1	REDWOOD FALLS	RWF	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	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	VOR/DME RWY 33			KGDB	GRANITE FALLS	MN (US)
IAP	ILS OR LOC RWY 12			KMML	MARSHALL	MN (US)
IAP	RNAV (GPS) RWY 12			KMML	MARSHALL	MN (US)
IAP	VOR RWY 12			KMML	MARSHALL	MN (US)
IAP	RNAV (GPS) RWY 32			KMVE	MONTEVIDEO	MN (US)
IAP	VOR/DME OR GPS-A		1	KOVL	OLIVIA	MN (US)
IAP	RNAV (GPS) RWY 30			KRWF	REDWOOD FALLS	MN (US)
IAP	VOR-A		1	KRWF	REDWOOD FALLS	MN (US)
IAP	RNAV (GPS) RWY 13			D42	SPRINGFIELD	MN (US)
IAP	RNAV (GPS) RWY 31			D42	SPRINGFIELD	MN (US)
IAP	VOR RWY 13			D42	SPRINGFIELD	MN (US)
IAP	RNAV (GPS) RWY 11			KTKC	TRACY	MN (US)
IAP	RNAV (GPS) RWY 29			KTKC	TRACY	MN (US)
IAP	ILS OR LOC RWY 13			KBDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 31			KBDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 17			KMWM	WINDOM	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. REMOVED FIX USE: KMSP SKETR STAR; DP LEINY (RNAV) AT KMSP, KBREW AND SCHEP AT KANE, KFCM, KMSP AND KSTP.
2. REMOVED REQUIRED CHARTING: STAR, DP.
3. REMOVED HOLDING PATTERN 2, ASSOCIATED OBSTACLE AND REASON FOR NONSTANDARD HOLDING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: SHONN

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 444136.39N/0940907.94W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

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	DH	064.69	071.69	44.00	44.00		7000	17500
2	MINNEAPOLIS	MSP	VOR/DME	L	251.02	253.02	40.98	40.98		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RWF	VOR/DME	R-065	45	7000	14500
MSP	VOR/DME	R-251	41	7000	14500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SKETR	1, 2		KMSP	MINNEAPOLIS	MN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

REFORMATTED FIX USE
MOVED ESV DATA TO APPROPRIATE BLOCK
ADDED FACILITY DISTANCE DATA
REVISED FAC 2 TRUE BRG FROM 253.03 TO 253.02
REVISED FIX COORDINATES - FIX MOVED 30.61 FEET

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: SKETR

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 443833.99N/0942229.31W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	REDWOOD FALLS	RWF	VOR/DME	DH	064.69	071.69	34.00	34.00	7000	35000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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	SW	RWF	VOR/DME	244.69	064.69	L	1-1 1/2	7000 35000	10 27

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (24-1462)	444440.00N/0942336.00W	1672	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SKETR	1	1	KMSP	MINNEAPOLIS	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

MOVED HOLDING REMARKS TO APPROPRIATE BLOCK
REDUCED MAX HOLDING TEMPLATE FROM 30 TO 27 - CORRESPONDING PATTERN FOR FL350 AT 265 KTS
ADDED DISTANCE FROM FACILITY DATA
DELETED ESV FOR MSP - FIX MAKE UP IS ONLY FROM RWF VOR/DME
REFORMATTED FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY
35
CHECKED