

RADIO FIX AND HOLDING DATA RECORD

INFORMATION
ONLY

NAME: CHARG

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 442102.01N/0932111.88W

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 12

FAC

PAT

AIRPORT IDENT
KFBL

CITY
FARIBAULT

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

FIX MOVED 4.05 FT NORTH TO NEW SDF LOCATION.
UPDATED LAT/LONG COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/31/2012

OFFICE: AJV-353

NAME: GRACE NOWAK

APPROVED BY:

DATE: 03/11/2013

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION
ONLY

NAME: DUZZI

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 442254.96N/0932440.41W

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 12

FAC

PAT

AIRPORT IDENT
KFBL

CITY
FARIBAULT

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

FIX MOVED 415.22 FT NW TO NEW PFAF LOCATION.
UPDATED FIX LAT/LONG COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/31/2012

OFFICE: AJV-353

NAME: GRACE NOWAK

APPROVED BY:

DATE: 03/11/2013

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION
ONLY

NAME: FABAU

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 442707.51N/0933228.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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	NW		WP	304.94	124.94	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	442230.00N/0933100.00W	1428	4E

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 12		1	KFBL	FARIBAULT	MN (US)
IAP	RNAV (GPS) RWY 30		1	KFBL	FARIBAULT	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

FIX MOVED 5835.02 FEET NORTHWEST.
UPDATED LAT/LONG COORDINATES.
UPDATED HOLDING COURSE INBOUND FROM 124.95 TO 124.94.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/31/2012

OFFICE: AJV-353

NAME: GRACE NOWAK

APPROVED BY:

DATE: 03/11/2013

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

INFORMATION
ONLY

NAME: MANKATO VOR/DME

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 441311.66N/0935444.48W

TYPE:

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	MANKATO	MKT	VOR/DME	L						17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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	NW	MKT	VOR/DME	329.00	149.00	L	1		2700	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-002027)	440957.00N/0935022.00W	1380	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID TOWN OF MANKATO

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
FACILITY MAG VAR: E07/1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V456	1				(US)
IAP	RNAV (GPS) RWY 12			KFBL	FARIBAULT	MN (US)
IAP	ILS OR LOC RWY 30 (ALT MA)		1	KOWA	OWATONNA	MN (US)
IAP	RNAV (GPS) RWY 12			KOWA	OWATONNA	MN (US)
IAP	RNAV (GPS) RWY 15			KACQ	WASECA	MN (US)
STAR	TWOLF			KANE	MINNEAPOLIS	MN (US)
STAR	TWOLF			KFCM	MINNEAPOLIS	MN (US)
STAR	TWOLF			KLVN	MINNEAPOLIS	MN (US)
STAR	TWOLF			KMIC	MINNEAPOLIS	MN (US)
STAR	TWOLF			KMSP	MINNEAPOLIS	MN (US)
STAR	TWOLF			KSTP	ST PAUL	MN (US)
STAR	TWOLF			KRNH	NEW RICHMOND	WI (US)
STAR	TWOLF			KOEO	OSCEOLA	WI (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 13

DATE OF REVISION: 10/05/2023

REASON FOR REVISION:

1. REMOVED KRWF - RNAV (GPS) RWY 30 FROM FIX USE.
2. REMOVED KMKT - VOR RWY 15 FROM FIX USE.
3. REMOVED KMKT - COPTER ILS OR LOC RWY 33.
4. REMOVED KMKT - ILS OR LOC RWY 33.
5. HOLDING PATTERN, REASON AND CONTROLLING OBSTACLE ASSOCIATION WITH 2,MKT,VOR/DME 10/05/2023 DELETED
6. ADDED FAC 1 TO EN ROUTE FIX USE TYPE V456.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: KAMARUDINI RAIMI

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION
ONLY

NAME: MEMCO

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 441311.42N/0935445.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T400					(US)
IAP	RNAV (GPS) RWY 12			KFBL	FARIBAULT	MN (US)
IAP	RNAV (GPS) RWY 12			KOWA	OWATONNA	MN (US)
IAP	RNAV (GPS) RWY 15			KACQ	WASECA	MN (US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

REMOVED AIRSPACE DOCKET # 21-AGL-5.

ADDED IAPS RNAV (GPS) RWY 12 FOR KOWA, RNAV (GPS) RWY 15 FOR KACQ AND RNAV (GPS) RWY 12 FOR KFBL TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

INFORMATION
ONLY

NAME: PRAGS

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 443115.56N/0932945.22W

TYPE: WP, INT, 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	GOPHER	GEP	VORTAC	H	182.00	188.00	37.85	37.85		3000	17500
2	FARMINGTON	FGT	VORTAC	VH	238.00	244.00		14.99		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

GOPHER (FAC 1) AND FARMINGTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V505	1, 2				(US)
IAP	RNAV (GPS) RWY 12			KFBL	FARIBAULT	MN (US)
IAP	RNAV (GPS) RWY 36			KFCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 12			KOWA	OWATONNA	MN (US)
IAP	RNAV (GPS) RWY 15			KACQ	WASECA	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

ADDED RNAV (GPS) RWY 12 FOR KOWA TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE: