

# RADIO FIX AND HOLDING DATA RECORD

NAME: BANCO

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 431412.20N/0940854.82W

TYPE: 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	FORT DODGE	FOD	VORTAC	H	002.70	009.70	38.08	38.08		3000	17500
2	MASON CITY	MCW	VOR/DME	H	277.61	283.61	36.94	36.94		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

FORT DODGE (FAC 1) AND MASON CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V120	2				(US)
EN ROUTE	V456	1				(US)
IAP	RNAV (GPS) RWY 15			KFXV	FOREST CITY	IA (US)
IAP	RNAV (GPS) RWY 31			KFRM	FAIRMONT	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 04/25/2019

## REASON FOR REVISION:

UPDATED FIX USE TO REMOVE REFERENCE TO KFXV NDB RWY 33 - PROCEDURE CANCELLED.  
ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5430

NAME: JANTZEN TAYLOR

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: WARDELL HENNING

SIGNATURE:

*Digitally signed by*

**WARDELL HENNING**

DISTRIBUTION:

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

Mar 12, 2019

QUALITY  
41  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FOREST CITY NDB STATE: IA COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 431408.91N/0933715.02W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

CANCEL

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	FOREST CITY	FXY	NDB	MH						17500

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	S	FXY	NDB	158.20	338.20	L	1-1 1/2	3000 17500	4 13

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-001096)	431700.00N/0933742.00W	1625	2A

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 CONFORM WITH PT PER ATC REQUEST.

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 33	1	1	KFXV	FOREST CITY	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 06/30/2011

**REASON FOR REVISION:**

UPDATED COORDINATES.  
 UPDATED HOLDING PAT1.  
 UPDATED CONTROLLING OBST PAT1.  
 UPDATED FIX USE.  
 ADDED PRECIPITIOUS TERRAIN EVALUATION.  
 ADDED HOLDING RESTRICTION NOTE.

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: OFFICE: NAME:

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: WARDELL HENNING

SIGNATURE: *Digitally signed by*  
**WARDELL HENNING**

DISTRIBUTION: NFDC  
 FPO: CEN  
 ARTCC: ZMP  
 ATC FACILITY:  
 OTHER:  
 Mar 12, 2019

QUALITY  
 41  
 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MASON CITY VOR/DME

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 430541.13N/0931947.54W

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	MASON CITY	MCW	VOR/DME	H							45000

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	W	MCW	VOR/DME	278.00	098.00	L	1	3000 45000	4 29
2	S	MCW	VOR/DME	176.00	356.00	R	1	3000 6000	4 5
3	W	WP	WP	278.00	098.00	L	10	15000 45000	16 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-001289)	430528.00N/0932359.00W	1665	2C
2	200	TOWER (19-001289)	430528.00N/0932359.00W	1665	2C
3	265	TOWER (19-001056)	431005.60N/0930603.90W	1978	5D

REASON FOR NONSTANDARD HOLDING:

PAT 3 ATC REQUEST  
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

CHART HOLDING PAT 1 ON ENROUTE LOW AND ENROUTE HIGH CHARTS.  
HOLDING PAT 3 FOR ATC USE (NOT CHARTED).  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 6E (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	ORSKY			KANE	MINNEAPOLIS	MN (US)
DP	ORSKY			KFCM	MINNEAPOLIS	MN (US)
DP	ORSKY			KMSP	MINNEAPOLIS	MN (US)
DP	ORSKY			KSTP	ST PAUL	MN (US)
EN ROUTE	J148					(US)
EN ROUTE	J16					(US)
EN ROUTE	J25					(US)
EN ROUTE	J90					(US)
EN ROUTE	V120					(US)
EN ROUTE	V13					(US)
EN ROUTE	V138					(US)
EN ROUTE	V158					(US)
EN ROUTE	V161					(US)
EN ROUTE	V505					(US)
IAP	NDB RWY 14			KCAV	CLARION	IA (US)
IAP	RNAV (GPS) RWY 33			KFXV	FOREST CITY	IA (US)
IAP	VOR-A			KFXV	FOREST CITY	IA (US)
IAP	VOR/DME RWY 35			KHPT	HAMPTON	IA (US)
IAP	ILS OR LOC RWY 36			KMCW	MASON CITY	IA (US)
IAP	LOC/DME BC RWY 18		2	KMCW	MASON CITY	IA (US)
IAP	VOR RWY 36		2	KMCW	MASON CITY	IA (US)
IAP	ILS OR LOC RWY 12			KALO	WATERLOO	IA (US)
IAP	RNAV (GPS) RWY 35			KAEL	ALBERT LEA	MN (US)
IAP	VOR RWY 35			KAEL	ALBERT LEA	MN (US)
IAP	ILS OR LOC RWY 35			KAUM	AUSTIN	MN (US)
IAP	RNAV (GPS) RWY 17			KAUM	AUSTIN	MN (US)
IAP	RNAV (GPS) RWY 35			KAUM	AUSTIN	MN (US)
STAR	JANESVILLE		1	KORD	CHICAGO	IL (US)
STAR	KASPR			KMSP	MINNEAPOLIS	MN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 04/25/2019

QUALITY  
41  
CHECKED

**REASON FOR REVISION:**

UPDATED FIX USE TO REMOVE REFERENCE TO KFXV NDB RWY 33 - PROCEDURE CANCELLED.  
CHANGED PROCEDURE NAME FROM VOR/DME-A TO VOR-A (KFXV)

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5430

**NAME:** JANTZEN TAYLOR**APPROVED BY:****DATE:****OFFICE:** AJV-5430**NAME:** WARDELL HENNING**SIGNATURE:***Digitally signed by***WARDELL HENNING****DISTRIBUTION:**

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

Mar 12, 2019

QUALITY  
41  
CHECKED