

# RADIO FIX AND HOLDING DATA RECORD

NAME: GRAND FORKS VOR/DME STATE: ND COUNTRY: US ICAO REGION CODE: K3  
 LATITUDE/LONGITUDE: 475717.40N/0971107.33W 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	GRAND FORKS	GFK	VOR/DME	H						45000

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	S	GFK	VOR/DME	170.00	350.00	R	1	3600 10000	4 9
2	N	GFK	VOR/DME	358.00	178.00	L	1	3600 10000	4 9
3	S	GFK	VOR/DME	172.83	352.83	R	1	3600 10000	4 12

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (38-000755)	475018.00N/0970423.00W	1161	4D
2	200	TOWER (38-000117)	480018.00N/0970631.00W	1158	4D
3	200	TOWER (38-000755)	475018.00N/0970423.00W	1161	4D
3	310	TOWER (27-000979)	475752.17N/0970146.82W	1337	1A

## REASON FOR NONSTANDARD HOLDING:

PAT 2 AVOID AFB TRAFFIC

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	LOC BC RWY 17R	KGFK	GRAND FORKS	ND (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR 9E/1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T330					(US)
EN ROUTE	V171					(US)
EN ROUTE	V181					ND (US)
EN ROUTE	V430					ND (US)
EN ROUTE	V55					ND (US)
EN ROUTE	V561					ND (US)
IAP	NDB RWY 13			KCKN	CROOKSTON	MN (US)
IAP	RNAV (GPS) RWY 13			KCKN	CROOKSTON	MN (US)
IAP	VOR/DME RWY 13			KCKN	CROOKSTON	MN (US)
IAP	ILS OR LOC RWY 18			KFAR	FARGO	ND (US)
IAP	ILS OR LOC RWY 35L		2	KGFK	GRAND FORKS	ND (US)
IAP	LOC BC RWY 17R		3	KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 17R			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 27R			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 35L			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 9L			KGFK	GRAND FORKS	ND (US)
IAP	VOR RWY 17R		1	KGFK	GRAND FORKS	ND (US)
IAP	VOR RWY 35L		1	KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 32			KD55	LANGDON	ND (US)
IAP	RNAV (GPS) RWY 26			K4V4	NORTHWOOD	ND (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 03/26/2020

## REASON FOR REVISION:

HOLDING PAT 3 CHANGED MAX TEMPLATE FROM 9 TO 12.  
 HOLDING PAT 2 CONTROLLING OBS: INCREASED ELEVATION FROM 1157 TO 1158.  
 HOLDING PAT 3 ADDED 310 KIAS CONTROLLING OBS 1337 TOWER (27-000979).  
 ADDED KGFK LOC BC RWY 17R AS PROCEDURE REQUIRING CLIMB-IN-HOLD.  
 ADDED REMARK: ASSIGNED FACILITY MAG VAR 9E/1965.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A422	<b>NAME:</b> RALPH DUMAR
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-A420	<b>NAME:</b> MARLON ROBINSON
	<b>SIGNATURE:</b>		

**DISTRIBUTION:** NFDC  
FPO: CEN  
ARTCC: ZMP  
ATC FACILITY: GFK APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** UNIZY **STATE:** ND **COUNTRY:** US **ICAO REGION CODE:** K3

**LATITUDE/LONGITUDE:** 473235.24N/0974750.50W **TYPE:** WP, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	GRAND FORKS	GFK	VOR/DME	H	216.30	225.30	35.00	35.00		4000	17500

**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	SW		WP	245.45	065.45	R	4	3500 6000	5 6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (38-000771)	473001.00N/0975222.00W	1943	4D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V561	1				ND (US)
IAP	RNAV (GPS) RWY 13			KS32	COOPERSTOWN	ND (US)
IAP	RNAV (GPS) RWY 31			KS32	COOPERSTOWN	ND (US)
IAP	RNAV (GPS) RWY 35L			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 9L			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 26		1	K4V4	NORTHWOOD	ND (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 6 **DATE OF REVISION:** 11/18/2010

**REASON FOR REVISION:**

UPDATE FAC1.  
REMOVED FAC2.  
MOVED HOLDING LIMITED REMARK TO RESTRICTIONS.  
UPDATE FIX USE.  
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 05/07/2010	<b>OFFICE:</b> AVN-120	<b>NAME:</b> JOSE ALFONSO (ALLAN WILL)
<b>APPROVED BY:</b>	<b>DATE:</b> 08/09/2010	<b>OFFICE:</b> AVN-120	<b>NAME:</b> SUE CRUMB

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: CEN  
ARTCC: ZMP  
ATC FACILITY: GFK APP CON  
OTHER: