

RADIO FIX AND HOLDING DATA RECORD

NAME: DUCEV

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475707.26N/0972755.06W

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	W		WP	263.78	083.78	R	4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (38-000608)	475619.70N/0973327.50W	1476	4D
1	310	TOWER (38-000626)	475739.63N/0975206.93W	2226	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 27R	KGFK	GRAND FORKS	ND (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27R		1	KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 9L		1	KGFK	GRAND FORKS	ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

REMOVED KGFK R09L FROM FIX MAKE-UP FACILITIES.
RAISED PAT 1 200K OBS FROM 1474 TO 1476 AND CHANGED AC FROM 5D TO 4D.
LOWERED PAT 1 310K OBS FROM 2236 TO 2226.
MOVED 'HOLDING LIMITED TO ESTABLISHED PATTERN' FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED KGFK RNAV (GPS) RWY 27R TO PROCEDURES REQUIRING CLIMB-IN-HOLD.
ADDED REMARK 'PRECIPITOUS TERRAIN EVALUATION COMPLETED.'
UPDATED FIX USE TO CURRENT CRITERIA AND SPLIT KGFK RNAV APPROACH ENTRIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RALPH DUMAR

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: EYWUS

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480803.20N/0965341.90W

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 FAC NM	FEET	MRA	MAA
1	GRAND FORKS	GFK	VOR/DME	H	038.24	047.24	15.90			2900	17500
2	THIEF RIVER FALLS	TVF	VOR/DME	L	270.05	278.05	28.76			2900	17500

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	NE	GFK	VOR/DME	038.24	218.24	L	1		2900	10000	5	10
2	NE		WP	041.24	221.24	L		4	2900	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000490)	481138.00N/0964512.00W	1345	4D
2	200	TOWER (27-000490)	481138.00N/0964512.00W	1345	4D
UPN	200	TOWER (27-000490)	481138.00N/0964512.00W	1345	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 GFK ATC REQUEST

REMARKS:

HOLDING AT EYWUS REQUESTED BY GFK APP CON.
PAT 1 AND PAT 2 ARE THE SAME. PAT 1 MAG VAR -9, PAT 2 (WP) MAG VAR -6.
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2900.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V171					(US)
IAP	RNAV (GPS) RWY 17R			KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 27R			KGFK	GRAND FORKS	ND (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE FORMATTING TO CURRENT CRITERIA.
REMOVED URBAN FROM FIX MAKE-UP.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5400

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE:

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

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.

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

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JIXIR

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 474853.52N/0965344.76W

TYPE: WP, 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	GRAND FORKS	GFK	VOR/DME	H	116.59	125.59	14.40			3300	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T330					(US)
EN ROUTE	V55					(US)
IAP	RNAV (GPS) RWY 27R			KGFK	GRAND FORKS	ND (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

ADDED T330 TO FIX USE.
ADDED CONTROLLER LOW TO REQUIRED CHARTING.
REMOVED FAC 2.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/05/2018

OFFICE: AJV-5400

NAME: DAVID DANNER

APPROVED BY:

DATE:

OFFICE: AJV-5400

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: FTW
ARTCC: ZMP
ATC FACILITY: GFK APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: URBAH

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475707.35N/0965342.07W

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	E		WP	084.21	264.21	R	4	2800	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	475436.00N/0964433.00W	1145	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 27R		1	KGFK	GRAND FORKS	ND (US)
IAP	RNAV (GPS) RWY 9L		1	KGFK	GRAND FORKS	ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

REMOVED KGFK R27R FROM FIX MAKE-UP FACILITIES.
MOVED 'HOLDING LIMITED TO ESTABLISHED PATTERN' FROM REMARKS TO HOLDING RESTRICTIONS.
HOLD PAT 1: REMOVED '200' FROM 'AAO' OBSTRUCTION TYPE PER CRITERIA.
ADDED REMARK 'PRECIPITOUS TERRAIN EVALUATION COMPLETED.'
UPDATED FIX USE TO CURRENT CRITERIA AND SPLIT KGFK RNAV APPROACH ENTRIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RALPH DUMAR

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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