

RADIO FIX AND HOLDING DATA RECORD

NAME: DCEEE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472307.66N/1113026.06W

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	GREAT FALLS	I-SMR	LOC/DME		212.00	225.00	9.04	9.04	54930	6000	8100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1		KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (CAT II)	1		KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (CAT III)	1		KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (SA CAT 1)	1		KGTF	GREAT FALLS	MT (US)
IAP	RNAV (GPS) Y RWY 21			KGTF	GREAT FALLS	MT (US)
IAP	RNAV (GPS) Y RWY 3			KGTF	GREAT FALLS	MT (US)
IAP	RNAV (RNP) Z RWY 3			KGTF	GREAT FALLS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

FIX USE IAP KGTF ILS OR LOC/DME RWY 3 CHANGED TO ILS OR LOC RWY 3.

DEVELOPED BY:

DATE: 04/10/2017

OFFICE: AJV-5432

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: GTF
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: FRYMN STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 471732.40N/1113836.84W 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 FAC NM	MRA	MAA
1	GREAT FALLS	I-SMR	LOC		212.00	225.00	16.93	16.93	8300	10000
2	GREAT FALLS	GTF	VORTAC	H	209.00	225.00	13.36	13.36	8300	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SMR	LOC	R-212	17	8300	10000

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	211.81	031.81	L		7	8000	14000	9	11
2	SW	I-SMR	LOC/DME	212.00	032.00	L	1		8300	10000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	470624.00N/1114706.00W	6739	4E
2	230	AAO	470545.00N/1114630.00W	6989	4E
2	310	AAO	470427.50N/1114224.80W	7293	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	179
2	230	191

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID HIGHER TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 3	KGTF	GREAT FALLS	MT (US)
2	ILS RWY 3 (CAT II, CAT III)	KGTF	GREAT FALLS	MT (US)
2	ILS RWY 3 (SA CAT 1)	KGTF	GREAT FALLS	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1, 2	2	KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (CAT II, CAT III)	1, 2	2	KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (SA CAT 1)	1, 2	2	KGTF	GREAT FALLS	MT (US)
IAP	RNAV (GPS) Y RWY 3		1	KGTF	GREAT FALLS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

HOLDING PAT 1 RAD/CRS/BRG CHANGED FROM 208.31 TO 211.81.
 HOLDING PAT 1 CRS INBOUND CHANGED FROM 028.31 TO 031.81.
 FIX USE KGTF ILS OR LOC/DME RWY 3 CHANGED TO ILS OR LOC RWY 3.
 REMOVED FROM REMARKS "NAME CHANGED FROM UCBUN TO FRYMN".

DEVELOPED BY: DATE: 04/08/2017 OFFICE: AJV-5432 NAME: DEANNA FIELDS
 APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN



SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: GTF
OTHER:

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

CANCEL

NAME: SPADZ

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471422.19N/1114314.15W

TYPE: CNF

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	FAC FEET	MRA	MAA
1	GREAT FALLS	I-SMR	LOC/DME		212.00	225.00	21.40	21.40		8300	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SMR	LOC/DME	R-212	22	8300	10000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 3	1		KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (CAT II, CAT III)	1		KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (SA CAT 1)	1		KGTF	GREAT FALLS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/09/2012

REASON FOR REVISION:

ADDED FAC 1
UPDATED FIX USE
NAME CHANGED FROM IYOYU TO SPADZ
FIX MOVED 56 FT, COORDINATES REVISED TO PLACE FIX ON RWY/LOC CENTERLINE

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: GTF
OTHER:

QUALITY
25
CHECKED

CANCEL

RADIO FIX AND HOLDING DATA RECORD

NAME: TRULY NDB STATE: MT COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472157.25N/1112222.31W 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	TRULY	ITU	NDB	H						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	N	ITU	NDB	347.01	167.01	R	1-1 1/2	6700 17500	6 16
2	NE	ITU	NDB	026.00	206.00	R	1	6000 14000	5 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (30-000327)	473624.31N/1112133.68W	4621	4D
2	230	AAO	472027.00N/1111727.00W	4449	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 3		2	KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (CAT II, CAT III)		2	KGTF	GREAT FALLS	MT (US)
IAP	ILS RWY 3 (SA CAT 1)		2	KGTF	GREAT FALLS	MT (US)
IAP	NDB RWY 34		1	KGTF	GREAT FALLS	MT (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 DATE OF REVISION: 04/03/2014

REASON FOR REVISION:

PAT 1 AND 2 UPDATED TO REFLECT 3 DEGREE MAG VAR CHANGE.

DEVELOPED BY: DATE: OFFICE: NAME:

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: GTF
OTHER:

QUALITY
25
CHECKED