

RADIO FIX AND HOLDING DATA RECORD

NAME: BOWDN

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481847.64N/1072910.12W

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	FEET	MRA	MAA
1	GLASGOW	GGW	VOR/DME	VH	265.99	279.99	35.00	35.00		5500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	088.00	268.00	R		7	6500	8000	9	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	482300.00N/1071103.00W	3120	4E
1	310	AAO	482300.00N/1071103.00W	3120	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 08	M75	MALTA	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
CONTACT JEPPESEN WHEN MAKING CHANGES TO THIS FIX THAT MAY AFFECT SPECIAL PROCEDURES AT 07MT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) M RWY 11			07MT	GLASGOW	MT (US)
SPECIAL IAP	RNAV (GPS) M RWY 29			07MT	GLASGOW	MT (US)
EN ROUTE	V430	1				(US)
IAP	RNAV (GPS) RWY 08		1	M75	MALTA	MT (US)
IAP	RNAV (GPS) RWY 26			M75	MALTA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/18/2024

REASON FOR REVISION:

UPDATED FAC 1 CLASS FROM H TO VH.
UPDATED IAP RNAV (RNP) M RWY 11 AND IAP RNAV (RNP) M RWY 29 TO SPECIAL IAP RNAV (GPS) M RWY 11 AND SPECIAL IAP RNAV (GPS) M RWY 29 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A441

NAME: CHRIS MCCARTHY

APPROVED BY:

DATE: 04/18/2024

OFFICE: AJV-A441

NAME: DONALD LANIER

SIGNATURE:

Digitally signed by
DONALD H LANIER
Feb 22, 2024

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CAGAT

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 482352.15N/1081657.55W

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	FEET	MRA	MAA
1	HAVRE	HVR	VOR/DME	VL	081.65	097.65	60.00	60.00		6500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HVR	VOR/DME	R-082	60	6500	7600

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		WP	271.24	091.24	R		7	6500	8000	9	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	482927.00N/1082100.00W	3042	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
CONTACT JEPPESEN WHEN MAKING CHANGES TO THIS FIX THAT MAY AFFECT THE SPECIAL PROCEDURE AT 07MT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) M RWY 29			07MT	GLASGOW	MT (US)
EN ROUTE	V430	1				MT (US)
IAP	RNAV (GPS) RWY 26		1	M75	MALTA	MT (US)
IAP	RNAV (GPS) RWY 8		1	M75	MALTA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 04/18/2024

REASON FOR REVISION:

UPDATED FAC 1 CLASS FROM L TO VL.
UPDATED FAC 1 ESV MAX ALT FROM 17500 TO 7600.
UPDATED IAP RNAV (RNP) M RWY 29 TO SPECIAL IAP RNAV (GPS) M RWY 29 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A441

NAME: CHRIS MCCARTHY

APPROVED BY:

DATE: 04/18/2024

OFFICE: AJV-A441

NAME: DONALD LANIER

SIGNATURE:

Digitally signed by
DONALD H LANIER
Feb 22, 2024

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DORIA

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480509.86N/1053421.79W

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 FAC NM	MRA	MAA
1	WILLISTON	ISN	VOR/DME	VL	254.86	262.86	73.86	73.86	6000	17500
2	GLASGOW	GGW	VOR/DME	VH	086.00	100.00	43.00	43.00	6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ISN	VOR/DME	R-255	74	6000	7100
GGW	VOR/DME	R-086	43	6000	7300

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	251.65	071.65	R	6	6000	14000	8	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	475624.00N/1054627.00W	2720	4E
1	310	TOWER (30-000247)	481039.00N/1054034.00W	2825	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 27	PO1	POPLAR	MT (US)

REMARKS:

WILLISTON (FAC 1) AND GLASGOW (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SPECIAL RNP PROCEDURES AT K07MT ARE DESIGNED AND MAINTAINED BY JEPPESEN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) M RWY 11			07MT	GLASGOW	MT (US)
SPECIAL IAP	RNAV (GPS) M RWY 29			07MT	GLASGOW	MT (US)
EN ROUTE	V430	1, 2				CA (US)
IAP	RNAV (GPS) RWY 12			4U6	CIRCLE	MT (US)
IAP	RNAV (GPS) RWY 09			PO1	POPLAR	MT (US)
IAP	RNAV (GPS) RWY 27		1	PO1	POPLAR	MT (US)
IAP	RNAV (GPS) RWY 11			KOLF	WOLF POINT	MT (US)
IAP	RNAV (GPS) RWY 29			KOLF	WOLF POINT	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 04/18/2024

REASON FOR REVISION:

UPDATED FAC 1 CLASS FROM L TO VL AND FAC 2 CLASS FROM H TO VH.
UPDATED FAC 1 ESV MAX ALT FROM 17500 TO 7100 AND FAC 2 ESV MAX ALT FROM 17500 TO 7300.
UPDATED RNAV (RNP) M RWY 11 AND RNAV (RNP) M RWY 29 TO RNAV (GPS) M RWY 11 AND RNAV (GPS) M RWY 29 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A441

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