

RADIO FIX AND HOLDING DATA RECORD

NAME: BILLINGS VORTAC STATE: MT COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454830.81N/1083728.73W 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 FEET	MAA
1	BILLINGS	BIL	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V187 6500 SOUTHBOUND
MCA V465 7000 SOUTHBOUND

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	BIL	VORTAC	028.00	208.00	R	1	6300 20000	8 17
2	W	BIL	VORTAC	252.00	072.00	R	1	6000 14000	7 10
3	SE	BIL	VORTAC	123.00	303.00	R	1	6000 20000	7 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	455142.00N/1084600.00W	4462	4E
2	230	AAO	454315.00N/1085457.00W	4580	4E
2	310	AAO	454315.00N/1085457.00W	4580	4E
3	230	TOWER (30-000339)	454535.06N/1082702.22W	4261	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 28R	KBIL	BILLINGS	MT (US)
2	VOR/DME RWY 28R	KBIL	BILLINGS	MT (US)
2	TAKEOFF MINIMUMS	K6S8	LAUREL	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
BIL VORTAC MAG VAR: 1990/E14.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	BOBKT (RNAV)			KBZN	BOZEMAN	MT (US)
DP	BILLINGS			K6S8	LAUREL	MT (US)
DP	TAKEOFF MINIMUMS		2	K6S8	LAUREL	MT (US)
DP	CASPER			KCPR	CASPER	WY (US)
EN ROUTE	J13					(US)
EN ROUTE	J136					(US)
EN ROUTE	J151					(US)
EN ROUTE	J16					(US)
EN ROUTE	J203					(US)
EN ROUTE	J34					(US)
EN ROUTE	J713					(US)
EN ROUTE	T268					(US)
EN ROUTE	T317					(US)
EN ROUTE	V187					(US)
EN ROUTE	V2					(US)
EN ROUTE	V247					(US)
EN ROUTE	V465					(US)
EN ROUTE	V611					(US)
EN ROUTE	V85					(US)
EN ROUTE	V86					(US)
IAP	HI VOR/DME OR TACAN RWY 28R			KBIL	BILLINGS	MT (US)
IAP	HI-ILS Z OR LOC Z RWY 10L			KBIL	BILLINGS	MT (US)
IAP	ILS OR LOC RWY 28R		2	KBIL	BILLINGS	MT (US)
IAP	ILS Y OR LOC Y RWY 10L		3	KBIL	BILLINGS	MT (US)
IAP	RNAV (GPS) RWY 10L			KBIL	BILLINGS	MT (US)
IAP	RNAV (GPS) RWY 25			KBIL	BILLINGS	MT (US)
IAP	RNAV (GPS) RWY 7			KBIL	BILLINGS	MT (US)
IAP	VOR/DME RWY 28R		2	KBIL	BILLINGS	MT (US)
IAP	GPS RWY 6			KM46	COLSTRIP	MT (US)
IAP	RNAV (GPS) RWY 22			K6S8	LAUREL	MT (US)
IAP	VOR RWY 22		1	K6S8	LAUREL	MT (US)
IAP	RNAV (GPS) RWY 13			KPOY	POWELL	WY (US)

QUALITY
16
CHECKED

STAR	BGHRN (RNAV)	KBIL	BILLINGS	MT (US)
STAR	CRAZI (RNAV)	KBIL	BILLINGS	MT (US)
STAR	KUSTR (RNAV)	KBIL	BILLINGS	MT (US)
STAR	YLSTN (RNAV)	KBIL	BILLINGS	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 08/13/2020

REASON FOR REVISION:

1. DELETED VOR-A AT KBIL FROM FIX USE.
2. DELETED AIRSPACE DOCKET: 17-ANM-24.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

Jun 23, 2020

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLC

ATC FACILITY: BIL APP CON

OTHER:

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COLUS

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454701.12N/1090558.82W

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	BILLINGS	BIL	VORTAC	H	251.88	265.88	20.00	20.00		6400	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOBKT (RNAV)			KBZN	BOZEMAN	MT (US)
EN ROUTE	T268					(US)
EN ROUTE	V2	1				(US)
EN ROUTE	V86	1				(US)
IAP	RNAV (GPS) RWY 07			KBIL	BILLINGS	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 08/13/2020

REASON FOR REVISION:

1. DELETED AIRSPACE DOCKET 17-ANM-24.
2. DELETED VOR-A AT KBIL FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
WARDELL HENNING

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BZN ATCT
OTHER:

Jun 23, 2020



RADIO FIX AND HOLDING DATA RECORD

NAME: MACMA

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454841.72N/1083347.75W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BILLINGS	BIL	VORTAC	H	071.94	085.94	2.58	2.58		4080	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-A	1		KBIL	BILLINGS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

- 1) CONVERTED FIX FROM CNF TO DME FIX.
- 2) MOVED FIX 25.36FT NORTH; UPDATED COORDINATES.
- 3) ADDED FAC 1.
- 4) ADDED FIX USE.
- 5) ADDED REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/05/2012

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

WARDELL HENNING

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLC

ATC FACILITY: BIL APP CON, BIL ATCT, AMGR

OTHER:

Jun 23, 2020

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOVRO

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454746.89N/1085144.07W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BILLINGS	BIL	VORTAC	H	251.89	265.89	10.00	10.00		6000	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-A	1		KBIL	BILLINGS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/05/2012

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: OFFICE: NAME:

APPROVED BY: DATE: 03/05/2012 OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*
WARDELL HENNING

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON, BIL ATCT
OTHER:

QUALITY
16
CHECKED