

RADIO FIX AND HOLDING DATA RECORD

NAME: CISED

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 453838.09N/1111708.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 12

FAC PAT AIRPORT IDENT CITY
KBZN BOZEMAN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FEVIM

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 455717.89N/1112359.31W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

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	NW		WP	302.59	122.59	R	7	8000	17500	9	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	455921.00N/1111754.00W	6664	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	97

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) Y RWY 12		1	KBZN	BOZEMAN	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GODFE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 461544.90N/1112603.88W

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	BOZEMAN	BZN	VOR/DME	H	320.00	338.00	31.00	31.00		10000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V365, V536					MT (US)
IAP	RNAV (GPS) Y RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) RWY 30			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) Z RWY 12			KBZN	BOZEMAN	MT (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/29/2010

REASON FOR REVISION:

1. ADD WP TO FIX TYPE.
2. UPDATE FIX USE.
3. ADD IAP TO CHART PUB.

DEVELOPED BY:

DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY:

DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN, BZN
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAYCI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 455352.11N/1111910.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 12

FAC PAT AIRPORT IDENT CITY
KBZN BOZEMAN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEBIV

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 455529.28N/1114331.06W

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	WHITEHALL	HIA	VOR/DME	H	060.36	078.36	19.00	19.00		9400	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12	1		KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS) Y RWY 12			KBZN	BOZEMAN	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/30/2011

REASON FOR REVISION:

ADDED DME TO TYPE FIX
ADDED FAC 1
UPDATED FIX USE

DEVELOPED BY:

DATE: 02/16/2011

OFFICE: AVN-130

NAME: CHARLES ERICKSON

APPROVED BY:

DATE: 05/05/2011

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIVINGSTON VOR/DME STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 454208.93N/1102632.83W 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	LIVINGSTON	LVM	VOR/DME	L						17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	LVM	VOR/DME	070.00	250.00	R	1-1 1/2		9900	17500	9	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	453516.80N/1102734.30W	9514	6C
1	310	AAO	453412.00N/1102633.00W	9636	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	349
1	230	219

HOLDING RESTRICTIONS:

HOLDING IS LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	K6S0	BIG TIMBER	MT (US)

REMARKS:

PAT 1 HOLDING OBST 9514 FT AAO HAS 8606.01 PRIMARY EQUIVALENT ELEVATION
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: E15 1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS		1	K6S0	BIG TIMBER	MT (US)
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	BOBKT (RNAV)			KBZN	BOZEMAN	MT (US)
DP	STAKK			KHLN	HELENA	MT (US)
DP	BILLINGS			K6S8	LAUREL	MT (US)
DP	LIVINGSTON (OBSTACLE)			KLVM	LIVINGSTON	MT (US)
DP	TAKEOFF MINIMUMS			KLVM	LIVINGSTON	MT (US)
EN ROUTE	V2	1				(US)
EN ROUTE	V365	1				(US)
EN ROUTE	V86	1				(US)
IAP	RNAV (GPS) RWY 6			K6S0	BIG TIMBER	MT (US)
IAP	RNAV (GPS) Y RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS)-A			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) RWY 30			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) Z RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS) RWY 22			KLVM	LIVINGSTON	MT (US)
IAP	VOR/DME-B		1	KLVM	LIVINGSTON	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

1. ADDED PAT1 - 310 AIRSPEED OBSTACLE DATA.
2. ADDED PAT1 - 310 PRECIPITOUS TERRAIN ADDITION 349.
3. ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD: PAT1.
4. ADDED ASSIGNED FACILITY MAGVAR: E15 1990 TO REMARKS SECTION.
5. ADDED TAKEOFF MINIMUMS @ K6S0 TO FIX USE SECTION.
6. CHANGED LIVINGSTON DP @ KLVM TO READ LIVINGSTON (OBSTACLE) DP @ KLVM IN FIX USE SECTION.
7. ADDED RNAV (GPS) RWY 6 IAP @ K6S0 TO FIX USE SECTION.
8. REMOVED GPS RWY 22 AND VOR-A IAPS @ KLVM FROM FIX USE SECTION.

QUALITY
14
CHECKED

DEVELOPED BY:	DATE: 04/19/2017	OFFICE: AJV-5433	NAME: BEV L BORDY (MICHAEL GARRITY)
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN
	SIGNATURE:		
DISTRIBUTION:	NFDC		
	FPO: WST		
	ARTCC: ZLC		
	ATC FACILITY: BZN ATCT		
	OTHER:		

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OLENY

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 455224.20N/1111707.76W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 12

FAC PAT AIRPORT IDENT CITY
KBZN BOZEMAN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POPWI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454453.24N/1112154.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 12

FAC PAT AIRPORT IDENT CITY
KBZN BOZEMAN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: QIVHY

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 455329.12N/1110919.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 12

FAC PAT AIRPORT IDENT CITY
KBZN BOZEMAN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RANEY

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 453059.11N/1111934.94W

TYPE: WP, INT, 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	FAC FEET	MRA	MAA
1	BOZEMAN	BZN	VOR/DME	H	186.20	204.20	17.59	17.59		10200	17500
2	WHITEHALL	HIA	VOR/DME	H	102.00	120.00		41.08		14000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HIA	VOR/DME	R-102	42	14000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V343	1, 2				MT (US)
IAP	RNAV (GPS) Y RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) RWY 30			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) Z RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS) RWY 19			KWYS	WEST YELLOWSTONE	MT (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/29/2010

REASON FOR REVISION:

UPDATED MRA ALTITUDES FOR FAC 1 AND 2.
UPDATED FAC 2 WHITEHALL (HIA) VORTAC CHANGED FROM VORTAC TO VOR/DME, TACR DECOMMISSIONED O/A 12/17/2009
UPDATED FIX USE
ADDED WP TO TYPE

THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 8/10/09.
ADDED TRUE AND MAG BRG TO FAC 1 AND 2.

DEVELOPED BY:

DATE: 06/15/2010

OFFICE: AVN-101

NAME: EUGENE NEWTON (BRYAN BLUE)

APPROVED BY:

DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: THESE **STATE:** MT **COUNTRY:** US **ICAO REGION CODE:** K1
LATITUDE/LONGITUDE: 455701.59N/1113227.10W **TYPE:** WP, INT, DME
AIRSPACE DOCKET: 11-AM-16 **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	BOZEMAN	BZN	VOR/DME	H	283.88	301.88	19.00	19.00	8000	17500
2	WHITEHALL	HIA	VOR/DME	H	060.36	078.36	26.87	26.87	8000	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	W		WP	254.31	074.31	R		7	8300 17500	10 17
2	W		WP	274.98	094.98	R		7	8300 17500	10 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	455452.30N/1115300.00W	6645	6C
2	230	AAO	460009.00N/1120027.00W	7878	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	76

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

BOZEMAN (FAC 1) AND WHITEHALL (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PAT 2 230 KTS CONTROLLING OBST LOCATED 11335 INTO SECONDARY AREA.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V343	1, 2				MT (US)
IAP	ILS OR LOC RWY 12	1, 2		KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS) Y RWY 12		1	KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) RWY 30		2	KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) Z RWY 12		2	KBZN	BOZEMAN	MT (US)
IAP	VOR/DME RWY 12	1		KBZN	BOZEMAN	MT (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:

UPDATED PAT 1 CONTROLLING OBS ACCURACY CODE.
 ADDED AIRSPACE DOCKET INFO.
 UPDATED FIX USE.
 REMOVED PAT 3.

DEVELOPED BY: **DATE:** 12/19/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (PHILLIP BRANDENBURG)

APPROVED BY: **DATE:** 03/20/2012 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY
 14
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WHITEHALL VOR/DME STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 455142.44N/1121010.59W 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	WHITEHALL	HIA	VOR/DME	H						45000

FIX RESTRICTIONS:

MCA V21 9300 NORTHBOUND
 MCA V86 9100 WESTBOUND

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	E	HIA	VOR/DME	077.90	257.90	R	1-1 1/2	9500 17500	9 13
2	E	HIA	VOR/DME	095.10	275.10	R	1-1 1/2	10500 17500	9 13
3	N		WP	010.52	190.52	R	7	10600 17500	10 14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	455812.00N/1120051.00W	8042	4E
2	230	AAO	454251.00N/1120245.00W	9452	4E
3	230	AAO	460506.00N/1120345.00W	8793	4E
3	310	AAO	454436.00N/1122624.00W	10040	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
3	230	380
3	310	380

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	BRIDGES (RNAV)	K7S1	TWIN BRIDGES	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PAT 1 AND 2 USED BY ZLC.
 ASSIGNED FACILITY MAGVAR: 18 DEGREES EAST/1975

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	BOZEMAN			KBZN	BOZEMAN	MT (US)
DP	TEERX (RNAV)			KBZN	BOZEMAN	MT (US)
DP	WHITEHALL			KBZN	BOZEMAN	MT (US)
DP	ENNIS (RNAV)			KEKS	ENNIS	MT (US)
DP	BILLINGS			K6S8	LAUREL	MT (US)
DP	BRIDGES (RNAV)		3	K7S1	TWIN BRIDGES	MT (US)
EN ROUTE	J151					(US)
EN ROUTE	J16					(US)
EN ROUTE	V21					(US)
EN ROUTE	V86					(US)
IAP	VOR/DME OR GPS-A			K3U3	ANACONDA	MT (US)
IAP	ILS OR LOC RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS) Y RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) RWY 30			KBZN	BOZEMAN	MT (US)
IAP	RNAV (RNP) Z RWY 12			KBZN	BOZEMAN	MT (US)
IAP	VOR RWY 12			KBZN	BOZEMAN	MT (US)
IAP	ILS OR LOC RWY 15			KBTM	BUTTE	MT (US)
IAP	VOR/DME OR GPS-A			KBTM	BUTTE	MT (US)
IAP	RNAV (GPS) RWY 17		3	KDLN	DILLON	MT (US)
IAP	RNAV (GPS) RWY 35		3	KDLN	DILLON	MT (US)
IAP	RNAV (GPS) RWY 16			KEKS	ENNIS	MT (US)
IAP	RNAV (RNP) Y RWY 27			KHLN	HELENA	MT (US)
IAP	RNAV (RNP) Z RWY 27			KHLN	HELENA	MT (US)
IAP	RNAV (GPS) RWY 17			K7S1	TWIN BRIDGES	MT (US)

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

QUALITY
14
CHECKED

COMPULSORY REPORTING POINT: NO**RECORD REVISION NUMBER: 16****DATE OF REVISION: 12/07/2017****REASON FOR REVISION:**

ADDED KBTM ILS OR LOC RWY 15 TO FIX USE.

REMOVED KBTM ILS Y RWY 15 FROM FIX USE.

REMOVED KBTM ILS Z RWY 15 FROM FIX USE.

REMOVED STATEMENTS FOR OBSTACLES IN SECONDARY AREA, OBSTACLES FALL WITHIN PRIMARY AREA.

ADDED MAGVAR ASSIGNMENT.

CHANGED PAT 3, 230 KT, OBSTACLE FROM 8809 (2A) TO 8793 (4E).

DEVELOPED BY:**DATE:** 06/29/2017**OFFICE:** AJV-5442**NAME:** JON DENTON**APPROVED BY:****DATE:****OFFICE:** AJV-5430**NAME:** PATRICK MULQUEEN**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** WST**ARTCC:** ZLC**ATC FACILITY:** BZN APP CON**OTHER:**QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOLAT

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454324.92N/1110436.68W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 12

FAC PAT AIRPORT IDENT CITY
KBZN BOZEMAN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/29/2010

DEVELOPED BY: DATE: 08/20/2009

OFFICE: AVN-130

NAME: PATRICK MULQUEEN

APPROVED BY: DATE: 06/15/2010

OFFICE: AVN-130

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED