

RADIO FIX AND HOLDING DATA RECORD

NAME: CONNS

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 461606.81N/1110455.70W

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	MRA	MAA
1	LIVINGSTON	LVM	VOR/DME	VL	307.00	322.00	43.25	43.25	10000	17500
2	BOZEMAN	BZN	VOR/DME	VH	347.99	005.99	29.25	29.25	10000	17500
3	HELENA	HLN	VORTAC	VH	107.00	119.00	41.47	41.47	10800	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LVM	VOR/DME	R-307	44	10000	18000
HLN	VORTAC	R-107	42	10800	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	SW		WP	224.00	044.00	R		7	10000	10000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	461824.00N/1110715.00W	7891	4B
1	310	AAO	460148.00N/1110433.00W	8567	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	350
1	230	320

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 19	7S6	WHITE SULPHUR SPRINGS	MT (US)

REMARKS:

BOZEMAN (FAC 2) AND HELENA (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STAKK	1, 3		KHLN	HELENA	MT (US)
EN ROUTE	T268					(US)
EN ROUTE	V2	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 19		1	7S6	WHITE SULPHUR SPRINGS	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. ADDED FIX USE FOR 7S6 RNAV (GPS) RWY 19 AND PATTERN 1.
2. ADDED HOLDING PATTERN 1 CIH AND ASSOCIATED OBSTACLES.
3. ADDED REMARK- PRECIPITOUS TERRAIN EVALUATION COMPLETED.
4. ADDED REQUIRED CHARTING IAP.
5. UPDATED FIX MAKE-UP LVM VOR/DME CLASS FROM "L" TO "VL" AND BZN VOR/DME CLASS FROM "H" TO "VH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Aug 01, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: DAWHO

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 461958.93N/1110031.31W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 19

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

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NAME: RAKE MCGRAW

SIGNATURE: *Digitally signed by*

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Aug 01, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: DUSTS

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463921.44N/1104945.66W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 19

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

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RAKE MCGRAW

Aug 01, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: HAKMU

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464150.93N/1104928.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 19

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

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ORGANIZATION:

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AJV-A422

NAME: DANIEL WESTON

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Aug 01, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: WAWWO

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464731.75N/1104850.10W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	N		WP	353.46	173.46	R	7	10500	10500	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	465636.00N/1104133.00W	8609	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	350

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 19		1	7S6	WHITE SULPHUR SPRINGS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

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NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE: *Digitally signed by*

RAKE MCGRAW

Aug 01, 2024

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WHELK

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463503.12N/1105158.01W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 19

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

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DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

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