

RADIO FIX AND HOLDING DATA RECORD

NAME: CUSRI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462906.82N/1113813.34W

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	HELENA	HLN	VORTAC	H	103.00	119.00	15.00	15.00		10000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STAKK	1		KHLN	HELENA	MT (US)
EN ROUTE	T268					(US)
EN ROUTE	V2	1				(US)
EN ROUTE	V365	1				(US)
IAP	VOR-B	1		KHLN	HELENA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLC

ATC FACILITY: HLN APP CON

OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FAVOX

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463638.19N/1113527.23W

TYPE: 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	HELENA	HLN	VORTAC	H	073.00	089.00	15.00	15.00		9400	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STAKK	1		KHLN	HELENA	MT (US)
EN ROUTE	V247	1				(US)
IAP	VOR-B	1		KHLN	HELENA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HELENA VORTAC

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463624.56N/1115712.51W

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	HELENA	HLN	VORTAC	H						45000

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	E	HLN	VORTAC	086.00	266.00	R	1	8500 17500	9 16
2	E	HLN	VORTAC	071.00	251.00	R	1	8000 10000	4 4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	462736.00N/1114721.00W	8104	4E
2	100	AAO	463345.00N/1120042.00W	5483	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	340
2	100	210

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	COPTER VOR 254	KHLN	HELENA	MT (US)

REMARKS:

PAT 1 CONTROLLING OBSTACLE LOCATED 12141.96 FEET INTO SECONDARY, PRIMARY EQUIVELANT ELEVATION IS 7103.97 FEET.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED MAG/VAR: E16/1990

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	HELENA			KHLN	HELENA	MT (US)
DP	HELENA			KHLN	HELENA	MT (US)
DP	SIEBE			KHLN	HELENA	MT (US)
DP	STAKK			KHLN	HELENA	MT (US)
DP	TAKE-OFF MINIMUMS			KHLN	HELENA	MT (US)
DP	BILLINGS			K6S8	LAUREL	MT (US)
EN ROUTE	J136					(US)
EN ROUTE	J34					(US)
EN ROUTE	J90					(US)
EN ROUTE	T268					(US)
EN ROUTE	V113					(US)
EN ROUTE	V2					(US)
EN ROUTE	V21					(US)
EN ROUTE	V247					(US)
EN ROUTE	V365					(US)
IAP	COPTER VOR 254		2	KHLN	HELENA	MT (US)
IAP	ILS OR LOC Y RWY 27			KHLN	HELENA	MT (US)
IAP	ILS OR LOC Z RWY 27			KHLN	HELENA	MT (US)
IAP	LOC/DME BC-C		1	KHLN	HELENA	MT (US)
IAP	RNAV (GPS) Y RWY 09			KHLN	HELENA	MT (US)
IAP	RNAV (RNP) Y RWY 27			KHLN	HELENA	MT (US)
IAP	RNAV (RNP) Z RWY 09			KHLN	HELENA	MT (US)
IAP	RNAV (RNP) Z RWY 27			KHLN	HELENA	MT (US)
IAP	VOR-A		1	KHLN	HELENA	MT (US)
IAP	VOR-B		1	KHLN	HELENA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
REMOVED AIRSPACE DOCKET.

QUALITY
22
CHECKED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: TIA FERONTI
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: LONNIE EVERHART
	SIGNATURE:	<i>Digitally signed by</i> DONALD H LANIER	
DISTRIBUTION:	NFDC FPO: WST ARTCC: ZLC ATC FACILITY: ZLC APP/DEP CON, HLN APP CON OTHER:	Mar 01, 2021	

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HONVI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464035.60N/1113618.18W

TYPE: 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	HELENA	HLN	VORTAC	H	057.67	073.67	15.00	15.00		10000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STAKK	1		KHLN	HELENA	MT (US)
EN ROUTE	V113	1				(US)
IAP	VOR-B	1		KHLN	HELENA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - UPDATED TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUDUB

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462454.53N/1114316.37W

TYPE: 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	HELENA	HLN	VORTAC	H	124.00	140.00	15.00	15.00		11000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-B	1		KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. ADDED DIST FROM FAC 15.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER
Mar 01, 2021

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JEVAM

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462142.75N/1120130.71W

TYPE: 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	HELENA	HLN	VORTAC	H	175.46	191.46	15.00	15.00		10600	17500

FIX RESTRICTIONS:

MRA V21 11100 SOUTHBOUND

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V21					
IAP	VOR-B	1		KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - ADDED CONTROLLER LOW.
3. ADDED DIST FROM FAC 15.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOVIX

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463315.69N/1113556.83W

TYPE: 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	HELENA	HLN	VORTAC	H	085.99	101.99	15.00	15.00		8400	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-B	1		KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B AND FORMAT CORRECTED.
2. ADDED DIST FROM FAC 15.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AVJ-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUBTI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463534.58N/1115132.09W

TYPE: 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	HELENA	HLN	VORTAC	H	085.99	101.99	4.00	4.00		5320	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-B	1		KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. ADDED DIST FROM FAC 4.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KOTLE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465116.40N/1120004.36W

TYPE: 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	HELENA	HLN	VORTAC	H	336.47	352.47	15.00	15.00		9000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V365					(US)
IAP	VOR-B	1		KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - ADDED CONTROLLER LOW.
3. ADDED DIST FROM FAC 15.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DONALD H LANIER

Mar 01, 2021

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LOCIS

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462536.73N/1121216.81W

TYPE: 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	HELENA	HLN	VORTAC	H	208.03	224.03	15.00	15.00		10800	17500

FIX RESTRICTIONS:

MRA V113 11100 SOUTHWEST BOUND

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V113					
IAP	VOR-B	1		KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - ADDED CONTROLLER LOW.
3. ADDED DIST FROM FAC 15.00 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEWAL STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 463439.26N/1114517.73W TYPE: 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	HELENA	HLN	VORTAC	H	085.99	101.99	8.40	8.40		7300	17500

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	E	HLN	VORTAC	085.99	265.99	R	1	7300 14000	4 8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	175	AAO	462945.00N/1114833.00W	7094	4E

REMARKS:

HOLDING LIMITED TO ESTABLISHED PATTERN.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED. PAT 1, 158' ADJUSTMENT.
 HOLDING PATTERN CONTROLLING OBSTACLE LOCATED 11724 FEET INTO SECONDARY.
 CHART PAT 1 175K.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-B	1	1	KHLN	HELENA	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. ADDED DIST FROM FAC 8.40 NM.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: TIA FERONTI
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC
 FPO: WST
 ARTCC: ZLC
 ATC FACILITY: HLN APP CON
 OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TICUS

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465009.25N/1114829.78W

TYPE: 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	HELENA	HLN	VORTAC	H	007.50	023.50	15.00	15.00		10000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STAKK	1		KHLN	HELENA	MT (US)
EN ROUTE	V21	1				(US)
IAP	VOR-B	1		KHLN	HELENA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TIA FERONTI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: HLN APP CON
OTHER:

Mar 01, 2021

QUALITY
22
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOKEN

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465854.79N/1120133.14W

TYPE: WP, INT, 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	GTF	VORTAC	H	206.00	222.00	37.68	37.68	8800	17500
2	HELENA	HLN	VORTAC	H	336.47	352.47	22.71	22.71	9000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GTF	VORTAC	R-206	46	9000	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	GTF	VORTAC	206.00	026.00	R	1		9300	17500	11	18
2	SW		WP	206.00	026.00	R		7	9300	17500	10	17
3	SW	GTF	VORTAC	206.00	026.00	R	1		9000	17500	11	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	465636.00N/1121636.00W	7251	4E
2	230	AAO	465633.00N/1121427.00W	7202	4E
2	310	AAO	465825.80N/1121703.00W	7960	4E
3	230	AAO	465636.00N/1121636.00W	7251	4E
3	310	AAO	465548.00N/1114403.00W	7976	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	295
2	230	255
2	310	305
3	230	295
3	310	308

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) X RWY 27	KHLN	HELENA	MT (US)
3	ILS OR LOC Y RWY 27	KHLN	HELENA	MT (US)
3	VOR-B	KHLN	HELENA	MT (US)

REMARKS:

GREAT FALLS (FAC 1) AND HELENA (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DIVIDE	1, 2		KHLN	HELENA	MT (US)
EN ROUTE	V257	1, 2				(US)
EN ROUTE	V365	1, 2				(US)
IAP	RNAV (GPS) Y RWY 03			KGTF	GREAT FALLS	MT (US)
IAP	ILS OR LOC Y RWY 27	1, 2	3	KHLN	HELENA	MT (US)
IAP	ILS OR LOC Z RWY 27	1, 2	3	KHLN	HELENA	MT (US)
IAP	LOC/DME BC C	1, 2	1	KHLN	HELENA	MT (US)
IAP	RNAV (GPS) X RWY 27		2	KHLN	HELENA	MT (US)
IAP	VOR-A	1, 2	3	KHLN	HELENA	MT (US)
IAP	VOR-B	1, 2	3	KHLN	HELENA	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. FIX USE KHLN - VOR/DME-B NAME CHANGED TO VOR-B.
2. REQUIRED CHARTING - UPDATED TO CONTROLLER LOW.
3. HOLDING PATTERNS 1 AND 3- LEG TIME CHANGED FROM 1-1 1/2 TO 1.

QUALITY
22
CHECKED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: TIA FERONTI
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: LONNIE EVERHART
	SIGNATURE:	<i>Digitally signed by</i> DONALD H LANIER	
DISTRIBUTION:	NFDC FPO: WST ARTCC: ZLC ATC FACILITY: ZLC APP/DEP CON, HLN ATCT OTHER: GTF APCH	Mar 01, 2021	

QUALITY
22
CHECKED