

RADIO FIX AND HOLDING DATA RECORD

NAME: HABOL

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471549.68N/1103350.31W

TYPE: WP

AIRSPACE DOCKET: 24-ANM-108

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	W		WP	280.65	100.65	R	7	9100	10000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	470748.00N/1103357.00W	7678	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	330

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) RWY 12		1	S64	STANFORD	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/07/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POVOE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471207.58N/1102012.46W

TYPE: WP

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 12

FAC

PAT

AIRPORT IDENT
S64

CITY
STANFORD

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/07/2025

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NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

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RADIO FIX AND HOLDING DATA RECORD

NAME: YESUT

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470038.44N/1095030.61W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ANM-108

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	LEWISTOWN	LWT	VOR/DME	VH	240.38	255.38	10.00	10.00	8600	17500

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E		WP	106.64	286.64	R	7	8000	12000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	465157.00N/1093424.00W	5680	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	120

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

FIX IS ALIGNED WITH V113 ONLY, MRA BASED ON EVALUATION NOT MEA OF AIRWAY.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 8	1		KLWT	LEWISTOWN	MT (US)
IAP	RNAV (GPS) RWY 12		1	S64	STANFORD	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. ADDED DOCKET # 24-ANM-108
2. ADDED WP TO FIX TYPE.
3. UPDATED FAC 1 CLASS FROM H TO VH.
4. ADDED S64 RNAV (GPS) RWY 12 TO FIX USE.
5. ADDED FAC 1 TO KLWT VOR 8 IN FIX USE.
6. ADDED HOLDING PATTERN 1 AND ASSOCIATIONS FOR USE BY S64.
7. CHANGED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Apr 01, 2025

QUALITY
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RADIO FIX AND HOLDING DATA RECORD

NAME: ZERZO STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 465225.99N/1100508.51W TYPE: WP, INT, DME
 AIRSPACE DOCKET: 24-ANM-108 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	BILLINGS	BIL	VORTAC	VH	303.00	317.00		88.19	11000	45000
2	LEWISTOWN	LWT	VOR/DME	VH	226.56	241.56		22.45	11000	45000
3	GREAT FALLS	GTF	VORTAC	VH	106.00	122.00	64.38	64.38	13000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BIL	VORTAC	R-303	89	11000	17500
GTF	VORTAC	R-106	65	13000	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	S		WP	172.38	352.38	R	7	9600 12000	10 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	464230.00N/1101242.00W	8252	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

BILLINGS (FAC 1) AND GREAT FALLS (FAC 3) USED TO ESTABLISH FIX COORDINATES.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 BILLINGS (BIL) VORTAC ESV IS APPROVED ONLY FOR VOR PORTION.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q146					(US)
EN ROUTE	T317					(US)
EN ROUTE	V187	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 27		1	KHWQ	HARLOWTON	MT (US)
IAP	RNAV (GPS) RWY 12			S64	STANFORD	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET: 24-ANM-108.
2. FIX MAKE-UP FACILITIES BIL, LWT, GTF CHANGED NAVAID CLASS FROM H TO VH.
3. ADDED S64 RNAV (GPS) RWY 12 TO FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: JOHN KEEFER
 APPROVED BY: DATE: 07/03/2025 OFFICE: AJV-A430 NAME: CASIMIR TABAKA
 SIGNATURE: Digitally signed by CASIMIR L TABAKA
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