

RADIO FIX AND HOLDING DATA RECORD

NAME: CIMRI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473625.44N/1140603.97W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
DP

USE TITLE
RONAN RNAV DP

FAC

PAT

AIRPORT IDENT
K7S0

CITY
RONAN

STATE
MT (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/22/2009

DEVELOPED BY:

DATE: 06/03/2009

OFFICE: AVN-130

NAME: ANDREW FIELDS

APPROVED BY:

DATE: 07/07/2009

OFFICE: AVN-130

NAME: RICK WEBB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SPOKANE APPROACH CONTROL
OTHER:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: TEPSE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474638.43N/1140840.35W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP

USE TITLE
ANGIL RNAV DP
RONAN RNAV DP

FAC PAT

AIRPORT IDENT
K8S1
K7S0

CITY
POLSON
RONAN

STATE
MT (US)
MT (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/22/2009

REASON FOR REVISION:

DELETED FAC 1
UPDATED FIX USE.

DEVELOPED BY:

DATE: 06/03/2009

OFFICE: AVN-130

NAME: ANDREW FIELDS

APPROVED BY:

DATE: 07/07/2009

OFFICE: AVN-130

NAME: RICK WEBB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: SPOKANE APPROACH
OTHER:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: ANGIL STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 475752.40N/1140928.49W 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	KALISPELL	FCA	VOR/DME	H	159.23	177.23	15.00	15.00	8600	17500
2	SMITH LAKE	SAK	NDB	MH	110.13	125.13		14.95	8600	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	160.23	340.23	L		7	10000 14000	10 11
2	N		WP	342.23	162.23	R		7	10000 12000	10 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (30-000097)	480039.00N/1142148.00W	7004	5E
1	310	AAO	474336.00N/1135809.00W	7461	4E
2	230	TOWER (30-000097)	480039.00N/1142148.00W	7004	5E
2	310	AAO	481632.83N/1140517.82W	7407	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	304
1	230	283
2	230	262
2	310	317

INFORMATION ONLY

REASON FOR NONSTANDARD HOLDING:
 PAT 1 TERRAIN

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ANGIL (OBSTACLE) (RNAV)	K8S1	POLSON	MT (US)
1	RONAN (RNAV)	K7S0	RONAN	MT (US)
2	RNAV (RNP) RWY 20	KGPI	KALISPELL	MT (US)

REMARKS:

KALISPELL (FAC 1) AND SMITH LAKE (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KALISPELL (RNAV)			KGPI	KALISPELL	MT (US)
DP	ANGIL (OBSTACLE) (RNAV)		1	K8S1	POLSON	MT (US)
DP	RONAN (RNAV)		1	K7S0	RONAN	MT (US)
EN ROUTE	V231	1, 2				MT (US)
IAP	ILS OR LOC RWY 2	1, 2		KGPI	KALISPELL	MT (US)
IAP	RNAV (GPS) RWY 30			KGPI	KALISPELL	MT (US)
IAP	RNAV (RNP) RWY 20		2	KGPI	KALISPELL	MT (US)
IAP	RNAV (RNP) Y RWY 2		2	KGPI	KALISPELL	MT (US)
IAP	RNAV (GPS) RWY 16			K7S0	RONAN	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

1. AMENDED PAT 1 AND PAT 2, 230 KIAS CONTROLLING OBSTACLE FROM 7000 MSL TOWER TO 7004 MSL TOWER TO MATCH AIRNAV VALUE FOR OBSTACLE 30-000097 (NO CHANGE TO MIN HOLDING ALTITUDE).
2. ADDED PRECIPITOUS TERRAIN ADJUSTMENT (304 FEET) TO PAT 1, 310 KIAS HOLDING PATTERN (NO CHANGE TO MIN HOLDING ALTITUDE).
3. ADDED PRECIPITOUS TERRAIN ADJUSTMENT (317 FEET) TO PAT 2, 310 KIAS HOLDING PATTERN (NO CHANGE TO MIN HOLDING ALTITUDE).
4. ADDED KALISPELL DP AT KGPI TO FIX USE.
5. AMENDED PAT 1, 310 KIAS CONTROLLING OBSTACLE FROM 7645 MSL AAO TO 7461 MSL AAO (NO CHANGE TO MIN HOLDING ALTITUDE).
6. AMENDED PAT 1, 230 KIAS PRECIPITOUS TERRAIN ADJUSTMENT FROM 305 FEET TO 283 FEET.

DEVELOPED BY:	DATE: 12/27/2016	OFFICE: AJV-5422	NAME: PETER GUIMOND
APPROVED BY:	DATE:	OFFICE: AJV-5420	NAME: JULIE MORGAN
	SIGNATURE:		

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

INFORMATION ONLY