RADIO FIX AND HOLDING DATA RECORD

NAME: CHERL **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 470201.58N/0920357.43W **TYPE:** 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	DIST FROM FAC FEET	MRA	MAA
1	DULUTH	DLH	VORTAC	VH	017.00	022.00	15.00	15.00		4500	17500
2	HIBBING	HIB	VOR/DME	L	119.37	121.37		30.67		4500	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	DLH	VORTAC	017.00	197.00	R	1		4500	14000	15	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	AAO	470827.00N/0914836.00W	2028	4B

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:
DULUTH (FAC 1) AND HIBBING (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
EVALUATED 310K HOLDING PATTERN FOR MILITARY OPERATIONS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1, 2	1	DLH	DULUTH	MN (US)
IAP	VOR/DME OR TACAN RWY 21	1		DLH	DULUTH	MN (US)
IAP	ILS OR LOC RWY 27	1, 2	1	DLH	DULUTH	MN (US)
IAP	ILS RWY 9 (CAT II)	1, 2	1	DLH	DULUTH	MN (US)
IAP	ILS RWY 9 (SA CAT I)	1, 2	1	DLH	DULUTH	MN (US)
IAP	VOR OR TACAN RWY 3	1, 2	1	DLH	DULUTH	MN (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 05/14/2026

REASON FOR REVISION:
1. DLH CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
2. CHANGED DLH AND HIB MRA FROM "4000" TO "4500" IN FIX MAKE-UP FACILITIES -- HIB UNUSABLE 113-126 BELOW 4500.
3. CHANGED HOLDING PAT 1 310 AIRSPEED CONTROLLING OBSTRUCTION COORDINATES FROM "470924.00N/0914736.00W" TO "470827.00N/0914836.00W", ELEVATION FROM "2061" TO "2028", AND AC FROM "4E" TO "4B".
4. DELETED REMARK "PAT 1 CHART 310K ICON".
5. ADDED "HIBBING (FAC 2)" TO FACILITIES USED TO ESTABLISH FIX COORDINATES REMARK.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** DANIEL JOHNSEN

APPROVED BY: **DATE:** 04/09/2026 **OFFICE:** AJV-A432 **NAME:** CASIMIR TABAKA

SIGNATURE: