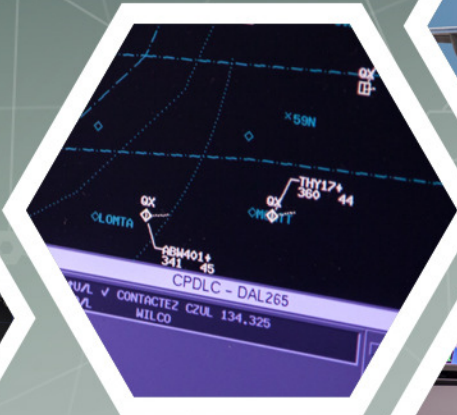


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NAV CANADA Update



Darryl Horn

Manager Polar Ops

NAV CANADA Edmonton

CPWG 19

Tokyo, Japan

May 13-15, 2015

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2014-2015 Polar Traffic Stats

		<i>Total</i>	<i>Flights per day</i>	<i>Growth</i>	<i>Rolling 12 Month Average</i>
2014	April	986	32.9	0%	5.3%
	May	1,051	33.9	4%	6.6%
	June	975	32.5	3%	8.5%
	July	1,148	37.0	6%	6.9%
	August	1,171	37.8	9%	7.6%
	September	1,103	36.8	1%	5.5%
	October	1,019	32.9	-10%	3.0%
	November	999	33.3	-4%	1.8%
	December	1,020	32.9	-3%	0.6%
2015	January	1,115	36.0	13%	1.6%
	February	1,044	37.3	29%	4.1%
	March	1,190	38.4	15%	4.7%

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Outbound Canada to Russia

		PIREL	MAGUN	ABERI	DEVID	NALIM	RAMEL	PINAG	NIKIN	ORVIT	Total	Growth
2014	April	129	16	72	8	5	121	70	115	235	771	-2%
	May	88	8	61	10	5	193	64	104	261	794	10%
	June	53	12	115	4	5	103	13	55	233	593	8%
	July	58	4	46	7	10	225	37	104	269	760	8%
	August	82	19	93	22	4	113	52	79	293	757	2%
	September	81	19	145	47	4	30	57	164	221	768	-13%
	October	76	7	125	27	1	99	65	112	300	812	-4%
	November	179	32	96	62	7	112	27	110	141	766	-11%
	December	105	10	44	8	0	108	93	89	294	751	-6%
2015	January	111	43	222	43	3	132	37	107	127	825	5%
	February	159	20	83	12	4	126	73	118	176	771	22%
	March	132	49	147	25	1	173	57	128	206	918	18%

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Inbound Russia to Canada

		PIREL	MAGUN	ABERI	DEVID	NALIM	RAMEL	PINAG	NIKIN	ORVIT	Total	Growth
2014	April	1	6	104	0	0	10	3	8	36	168	12%
	May	0	2	57	0	0	20	10	11	39	139	-34%
	June	0	4	92	4	5	54	23	42	71	295	-15%
	July	0	0	88	7	1	28	6	10	101	241	-25%
	August	0	1	77	4	2	94	19	34	81	312	20%
	September	0	5	103	1	0	10	4	13	70	206	39%
	October	0	1	59	1	0	6	2	4	40	113	-41%
	November	0	2	96	8	0	7	2	10	53	178	41%
	December	2	15	127	6	0	6	2	8	14	180	17%
2015	January	0	6	106	4	0	4	1	7	65	193	39%
	February	2	22	115	3	0	10	10	10	29	201	40%
	March	1	12	77	1	1	8	4	7	55	166	-13%

Technology - ADSC

- ADSC conformance reporting in YEG Winter 2015
- ADSC in YVR 2016 at the earliest



Technology – Electronic Flight Strips

- Project started March 2015 in Arctic High
- All 8 positions completed May 1
- 100% of all controllers trained by May 15
- All High specialties in EG ACC are now using Electronic Flight Strips

S E R V I N G A W O R L D I N M O T I O N

Technology – SATVOICE DCPC

- Concept and test phase
- For use in EG Polar Sector where VHF coverage does not exist
- Uses current avionics suite



-
- The diagram illustrates the SATVOICE system architecture. On the left, a cockpit display shows a grid of flight information, including aircraft positions and call signs. A large orange arrow points from a specific aircraft on the display to a ground station. The ground station on the right consists of a 'SATVOICE CALL ATC' terminal, a cloud representing satellite communication, and two server racks labeled 'VCS VMCP' and 'CAATS'. A small airplane icon is in the top right corner.

Safety

- Feasibility of lowering ADS-B coverage from 280 to 200 over Hudson Bay
- Planning for CPDLC Phase 4
- Clearances via CPDLC being reviewed
- Lowering Medium Term Conflict Prediction from 280 to 200



Military Airspace

- Issues with Cold Lake Range and long haul routes
- Some evenings and weekends FL290 and above is now being released on an adhoc basis
- Commitment to review in the future

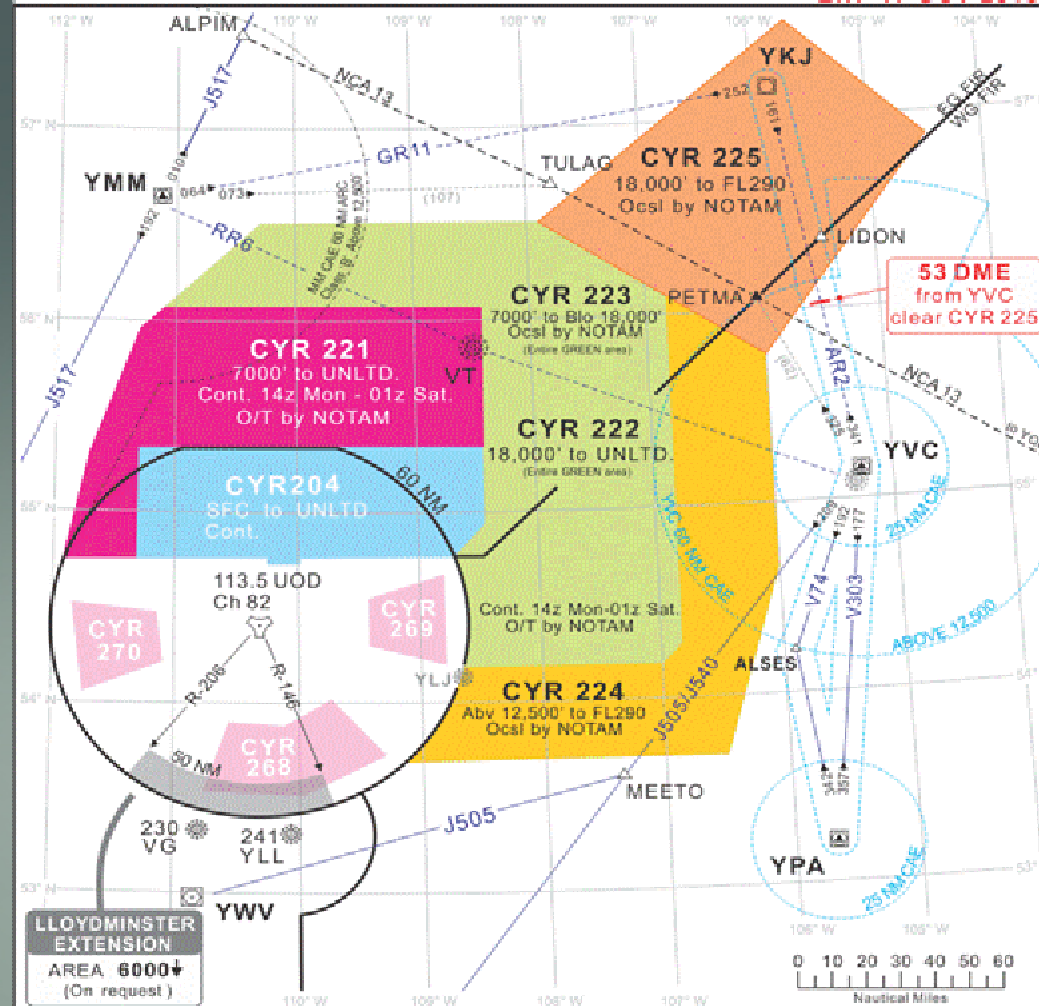


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CYOD AIRSPACE DIVISIONS

Eff: 17 OCT 2013



- CYR 204 - SFC to UNLTD / Cont.**
CYR 221 - 7000' to UNLTD / Cont. 14z Mon - 01z Sat. / O/T by NOTAM
CYR 222 - 18,000' to UNLTD / Cont. 14z Mon - 01z Sat. / O/T by NOTAM
CYR 223 - 7000' to Below 18,000' / OcsI by NOTAM
CYR 224 - Above 12,500' to FL290 / OcsI by NOTAM
CYR 225 - 18,000' to FL290 / OcsI by NOTAM
CYR 268 - 7000' to FL260 / 15-01z (DT 14-2359z) Mon-Fri. / O/T by NOTAM
CYR 269 - 7000' to FL260 / 15-01z (DT 14-2359z) Mon-Fri. / O/T by NOTAM
CYR 270 - 7000' to FL260 / 15-01z (DT 14-2359z) Mon-Fri. / O/T by NOTAM

CVID8: UOD=3, VC=2, KJ=3

EG-GeoSPAT-JRL 13.09.24

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Northern Track Update

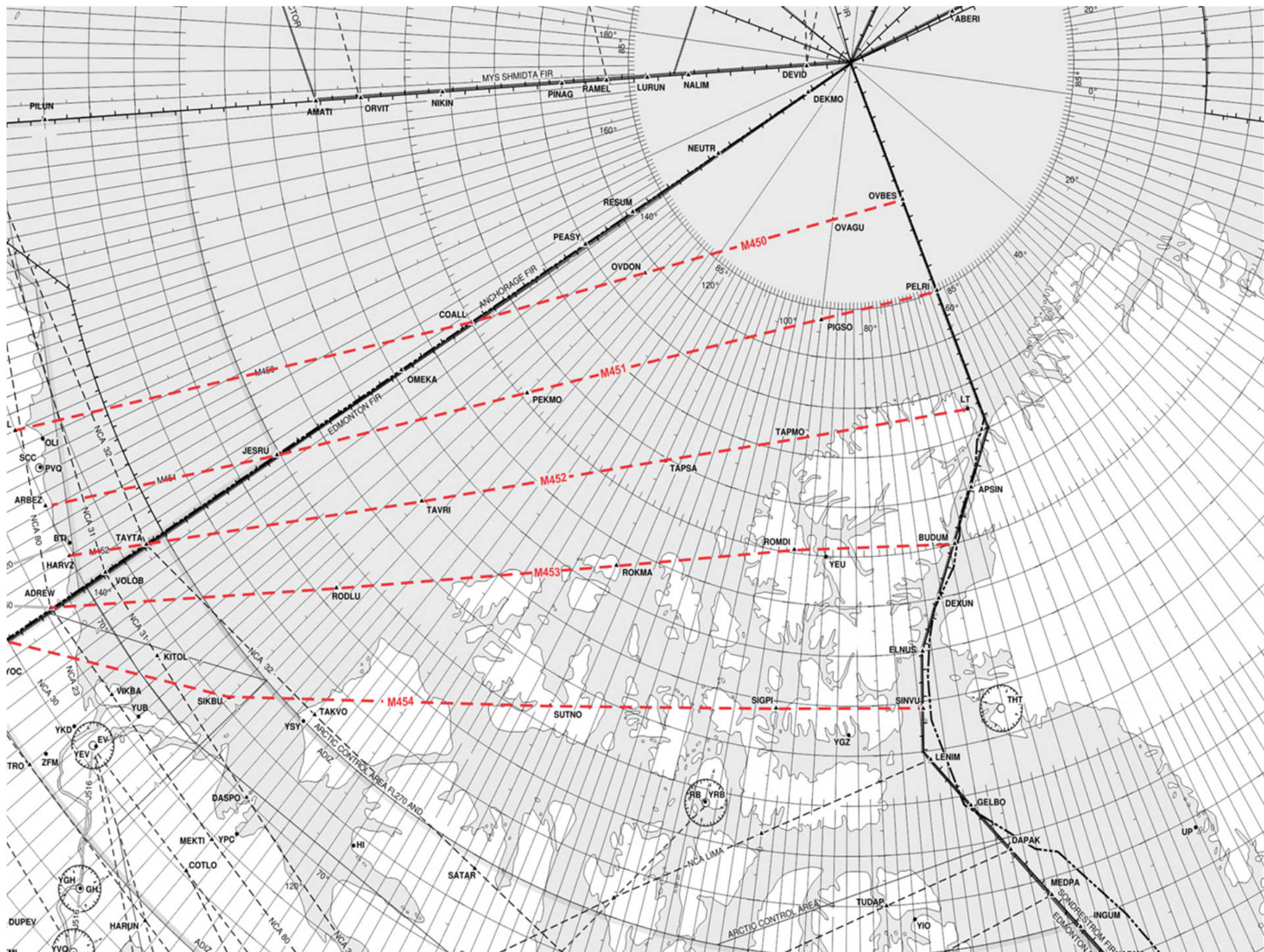
- Revoke Some NCA, Mike and Lima tracks
- Leave Named Fixes on these tracks as fixes in space
- Add any named fixes as required
- Change LAT LONG fixes on remaining tracks to five letter

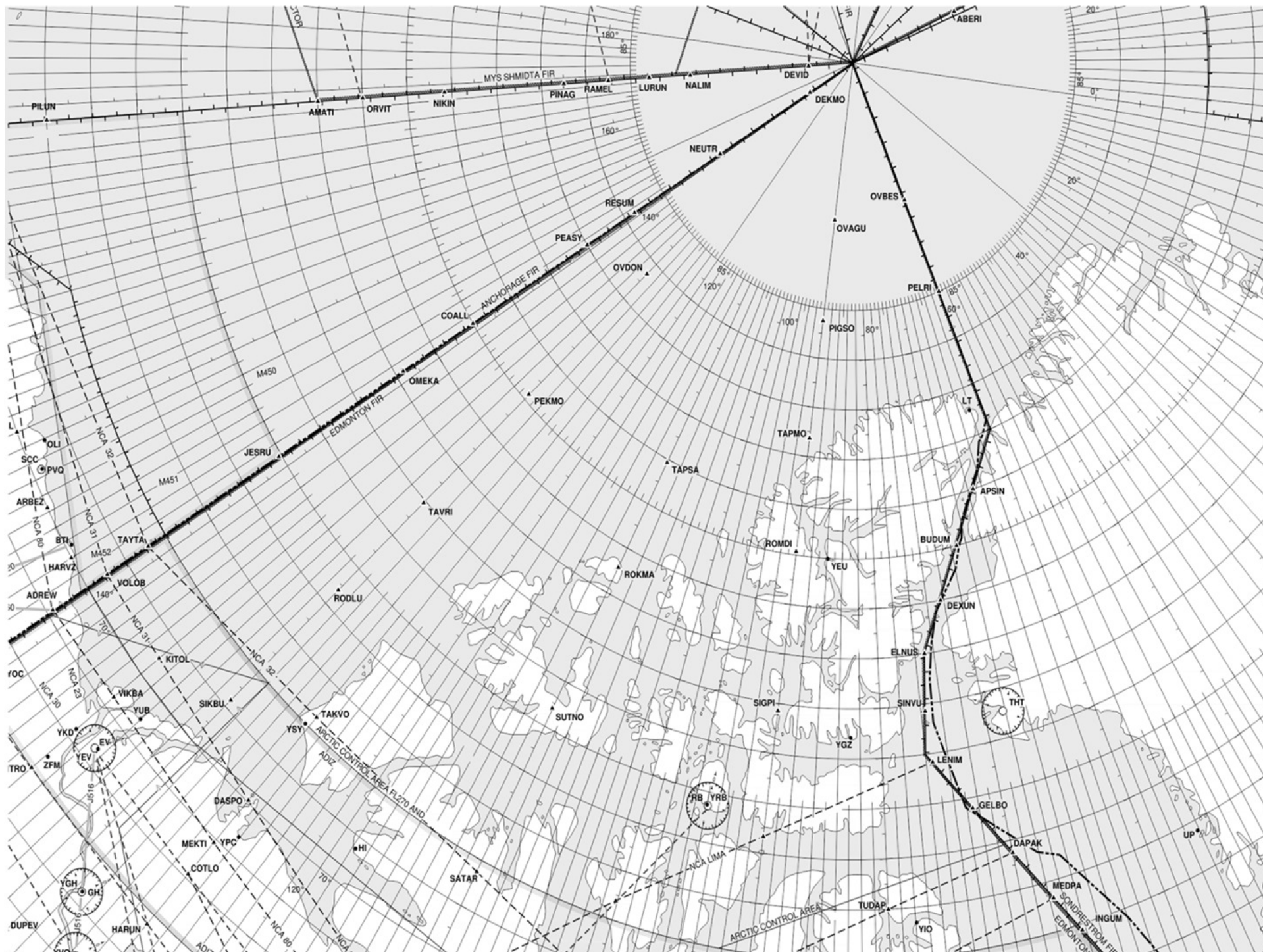
*Some tracks will remain for Airspace Diversions

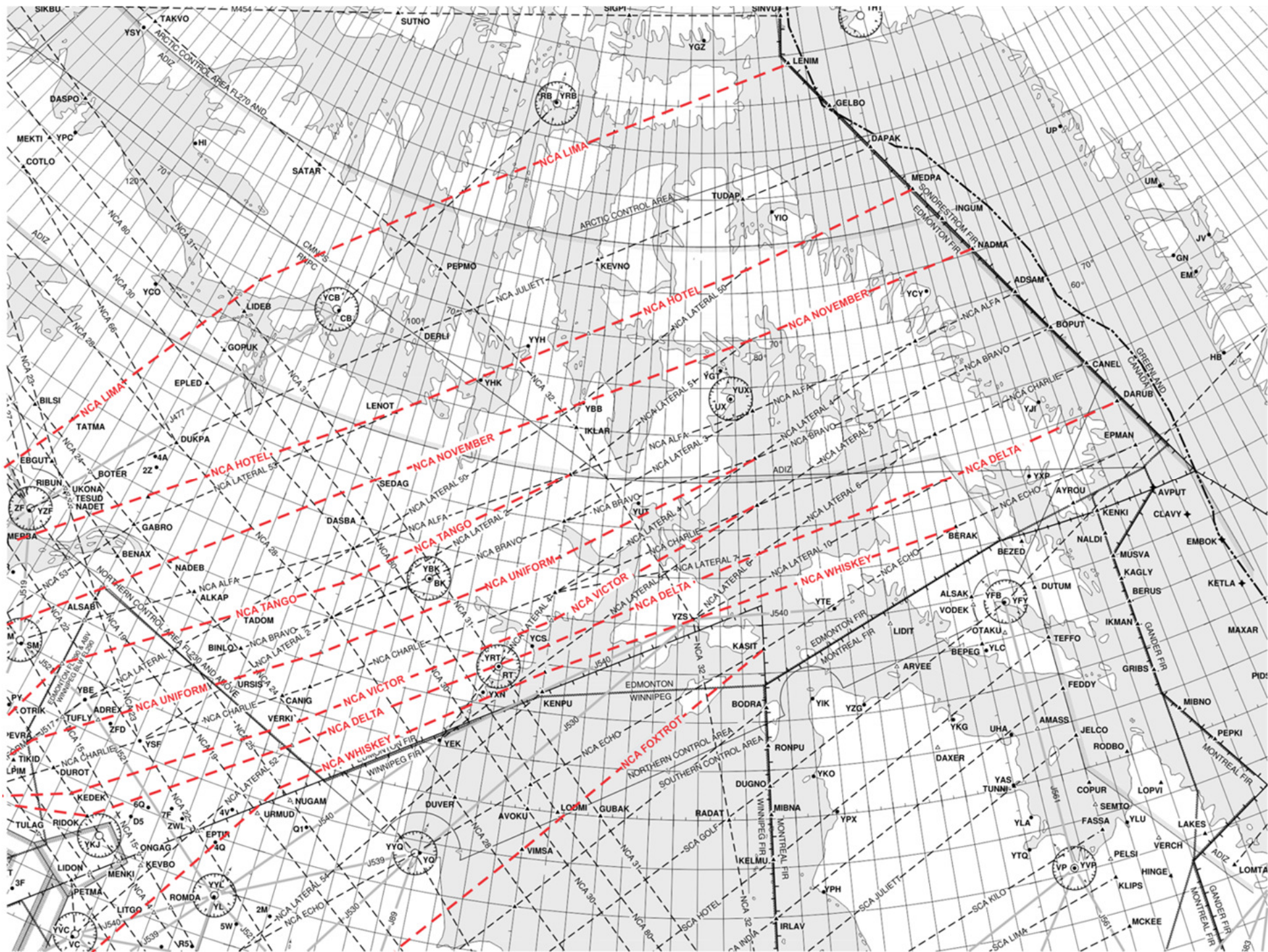


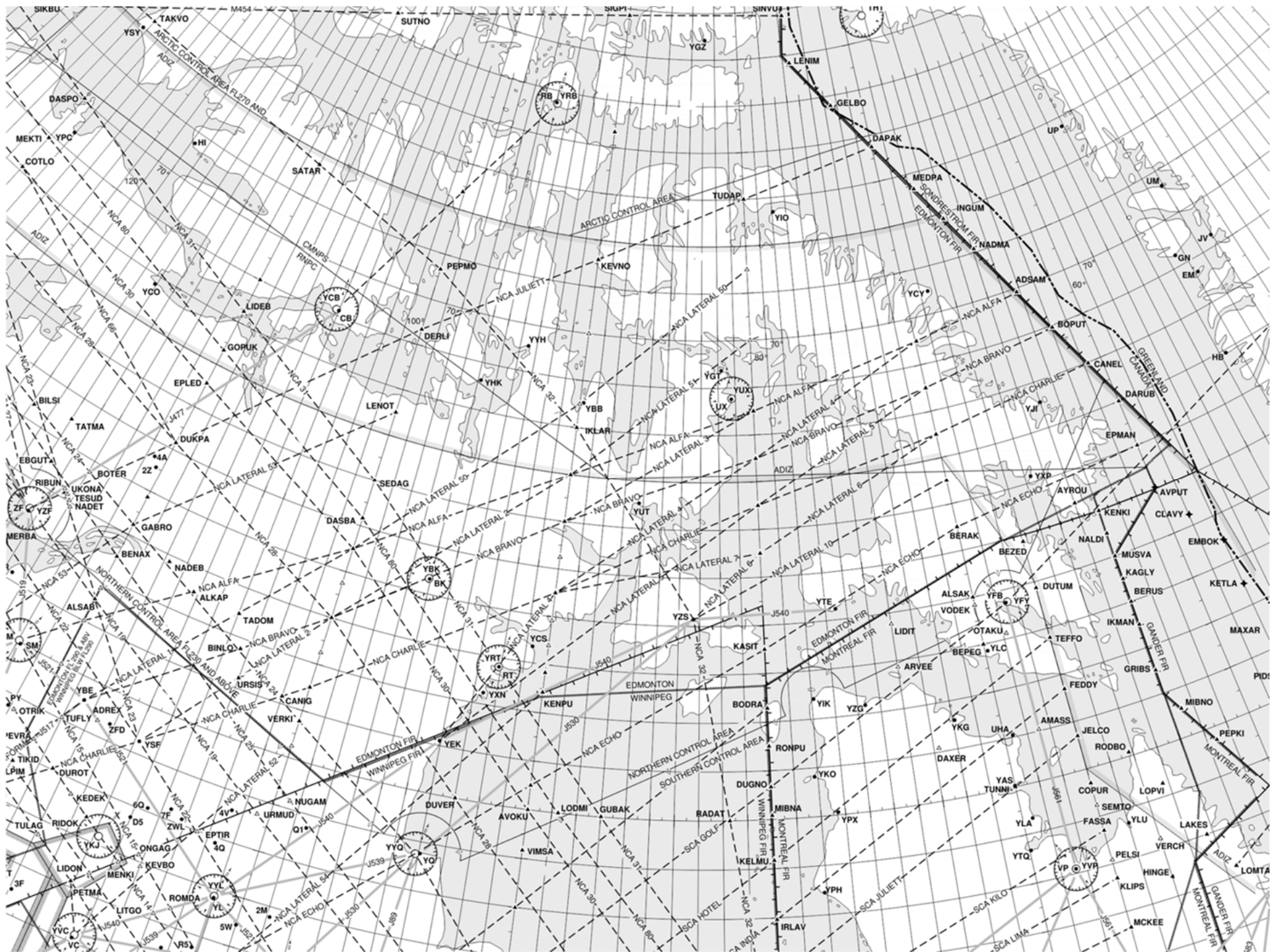
Redundant Tracks

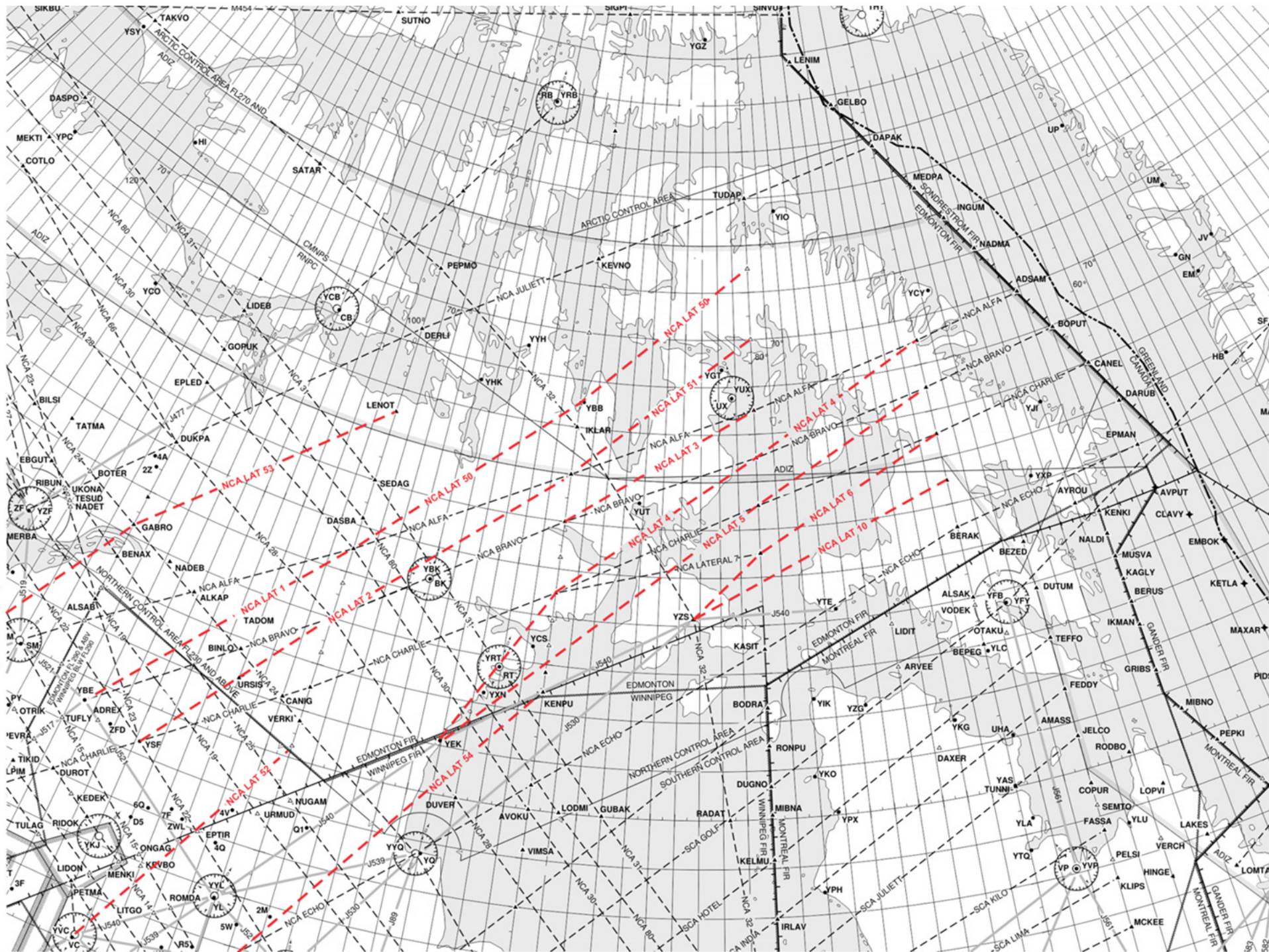
- Revoke M450, M451, M452, M453, M454
- Revoke NCA L, NCA H, NCA N, NCA D, NCA F, NCA T, NCA U, NCA V, NCA W
- Revoke NCA LAT1, 2, 3, 4, 5, 6, 10, 50, 51, 52, 53, 54

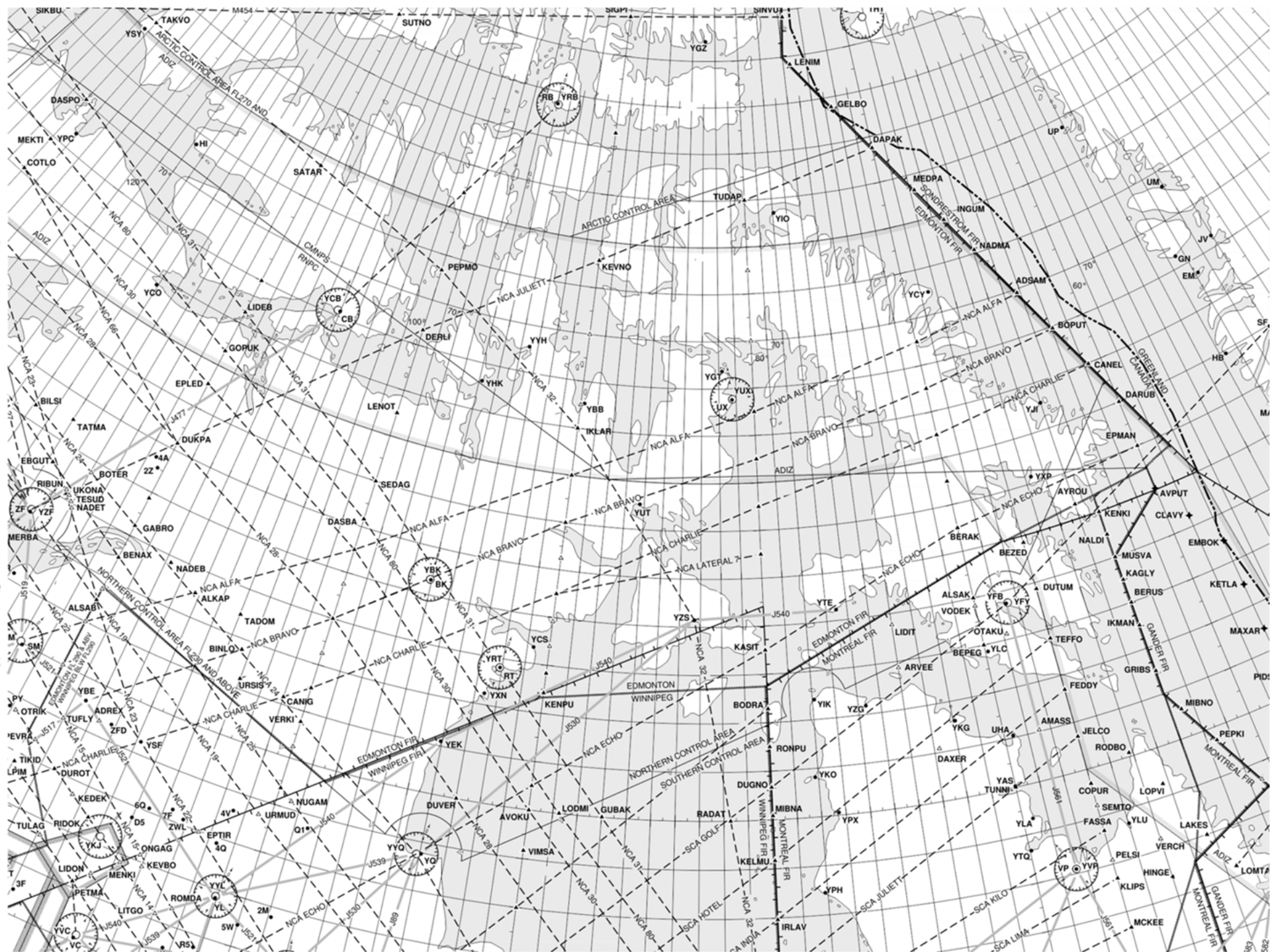












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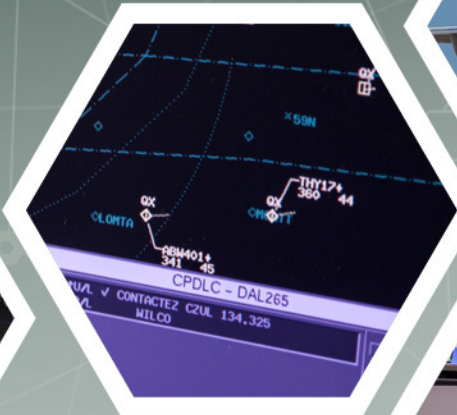
Customer Service

- Continued support for PBN
- T and Q route implementation
- Review of ground based NAV AIDS underway
- RNP for YYC and YEG



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Thank you

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