

AERONAUTICAL INFORMATION CIRCULAR 9/19

REVOKE LOW FREQUENCY AIR ROUTES: NATIONAL

NAV CANADA, the country's provider of civil air navigation services, conducted an aeronautical study that reviewed the requirement for non-directional beacons (NDBs) and very high frequency omnidirectional rangefinders (VORs).

The study concluded that given the comprehensive radar surveillance coverage, and the capabilities of area navigation (RNAV) with global navigation satellite system (GNSS) equipped aircraft, many navigation aids (NAVAID) are no longer required and should be decommissioned. Rationalized with the NAVAIDs Modernization Plan (NMP), the current air route inventory was assessed for the possibility of removing unnecessary air route segments and maintaining continuity with the new RNAV route structure. Low frequency (LF) airways and air-routes not addressed in the NMP were assessed for revocation based on the following criteria:

- LF airway/air-route underlies an existing VICTOR airway allowing navigation and airport accessibility to be maintained; and
- The minimum enroute altitude (MEA) is 10,000 feet above sea level (ASL) or below.

The table below indicates the LF air route segments planned for removal in addition to those affected by NMP implementation.

Air Route	Segment Start	Point Type	Segment End	Point Type	LO Chart
R5	ZW (TESLIN)	NDB	QH (WATSON LK)	NDB	5
R36	ZW (TESLIN)	NDB	PJ (ROBINSON)	NDB	5
R19	YKA (KAMLOOPS)	NDB	NY (ENDERBY)	NDB	2
R19	NY (ENDERBY)	NDB	WHATS (BC)	WPT	2
G1	YCD (NANAIMO)	NDB	VR (VANCOUVER)	NDB	2
G1	VR (VANCOUVER)	NDB	MAIPL (BC)	WPT	2
G1	MAIPL (BC)	WPT	HE (HOPE)	NDB	2
G1	HE (HOPE)	NDB	DC (PRINCETON)	NDB	2
G1	DC (PRINCETON)	NDB	YYF (PENTICTON)	NDB	2
G1	YYF (PENTICTON)	NDB	JULLY (BC)	WPT	2
G1	JULLY (BC)	WPT	CG (CASTLEGAR)	NDB	2
G1	CG (CASTLEGAR)	NDB	XC (CRANBROOK)	NDB	2
B8	DC (PRINCETON)	NDB	YKA (KAMLOOPS)	NDB	2
A2	ZU (WHITECOURT)	NDB	QU (GRAND PARARIE)	NDB	1
A2	QU (GRAND PARARIE)	NDB	DQ (DAWSON CREEK)	NDB	1
A2	DQ (DAWSON CREEK)	NDB	XJ (FT ST JOHN)	NDB	1
A2	XJ (FT ST JOHN)	NDB	YE (FT NELSON)	NDB	5
B84	MM (FT MCMURY)	NDB	PY (FT CHIPWPN)	NDB	1

Air Route	Segment Start	Point Type	Segment End	Point Type	LO Chart
B84	PY (FT CHIPWN)	NDB	SM (FT SMITH)	NDB	1
B84	SM (FT SMITH)	NDB	FR (FT RESOLTN)	NDB	5
B84	FR (FT RESOLTN)	NDB	ZF (YELLOWKNIFE)	NDB	5
B3	ZU (WHITECOURT)	NDB	PE (PEACE RVR)	NDB	1
B3	PE (PEACE RVR)	NDB	OJ (HI LEVEL)	NDB	1
A7	XD (EDMONTON)	NDB	DETBA (AB)	WPT	1
A7	DETBA (AB)	WPT	RAGUR (AB)	WPT	1
A7	RAGUR (AB)	WPT	PE (PEACE RIVER)	NDB	1
B6	QR (REGINA)	NDB	PA (PR ALBERT)	NDB	2
R24	PA (PR ALBERT)	NDB	QV (YORKTON)	NDB	2
R24	QV (YORKTON)	NDB	BR (BRANDON)	NDB	4
B23	QW (N BATTLEFORD)	NDB	PA (PR ALBERT)	NDB	2
B23	PA (PR ALBERT)	NDB	QD (THE PAS)	NDB	2
B23	QD (THE PAS)	NDB	TH (THOMPSON)	NDB	3
B23	TH (THOMPSON)	NDB	YQ (CHURCHILL)	NDB	3
A13	QD (THE PAS)	NDB	VC (LA RONGE)	NDB	2
A14	VC (LA RONGE)	NDB	YL (LYNN LAKE)	NDB	2
B12	QV (YORKTON)	NDB	QD (THE PAS)	NDB	2
B12	QD (THE PAS)	NDB	YL (LYNN LAKE)	NDB	2
B1	TH (THOMPSON)	NDB	YGX (GILLAM)	NDB	3
B1	YGX (GILLAM)	NDB	YQ (CHURCHILL)	NDB	3
B15	TH (THOMPSON)	NDB	YL (LYNN LAKE)	NDB	3
R6	XE (SASKATOON)	NDB	VX (DAFOE)	NDB	4
R6	VX (DAFOE)	NDB	QV (YORKTON)	NDB	4
R6	QV (YORKTON)	NDB	UDE (DELTA)	NDB	4
R6	WG (WINNIPEG)	NDB	RL (RED LAKE)	NDB	4
R22	ML (CHARLEVOIX)	NDB	RI (RIV-DU-LOUP)	NDB	7
R9	QB (QUEBEC)	NDB	RI (RIV-DU-LOUP)	NDB	7
B14	YY (MT JOLI)	NDB	GP (GASPE)	NDB	7
G1	IRGUB (NB)	WPT	FC (FREDRICKTON)	NDB	8
G1	FC (FREDRICKTON)	NDB	ADRAX (NB)	WPT	8
G1	ADRAX (NB)	WPT	QM (MONCTON)	NDB	8
B16	QI (YARMOUHT)	NDB	SJ (SAINT JOHN)	NDB	8
B16	SJ (SAINT JOHN)	NDB	QM (MONCTON)	NDB	8
B21	QX (GANDER)	NDB	AY (ST ANTHONY)	NDB	8
R11	EMBIM (NB)	WPT	FC (FREDRICKTON)	NDB	8
R11	FC (FREDRICKTON)	NDB	ADRAX (NL)	WPT	8

Air Route	Segment Start	Point Type	Segment End	Point Type	LO Chart
R11	ADRAX (NL)	WPT	SJ (SAINT JOHN)	NDB	8
R13	QY (SYDNEY)	NDB	QX (GANDER)	NDB	8
R14	QY (SYDNEY)	NDB	UWP (ARGENTIA)	NDB	8
R14	UWP (ARGENTIA)	NDB	ZNF (WABANA)	NDB	8
R29	UM (CHURCHILL FALLS)	NDB	YR (GOOSE BAY)	NDB	7

This change will take effect 25 April 2019 at 0901Z Coordinated Universal Time (UTC). The appropriate aeronautical publications will be amended.

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