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October 2015
Issue 4

Spectrum Management and Telecommunications

Service Areas for Competitive Licensing

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1. Introduction

This document contains descriptions of the service areas that Industry Canada uses for all competitive¹ licensing processes.² These processes include spectrum auctions and comparative review processes. This document incorporates minor adjustments to all service areas as a result of the modernization of the Department's Spectrum Management System (SMS) in 2015.

The radio authorization, which will be associated with the use of spectrum in these areas, is the spectrum licence, which was introduced with the amendment of the *Radiocommunication Act* in June 1996. A spectrum licence is defined as an authorization "in respect of the utilization of specified radio frequencies within a defined geographic area."

2. Background

As part of the above-mentioned SMS modernization, the Department changed the way in which service areas for competitive and user-defined licensing have been constructed since the mid-1990s. Specifically, Industry Canada changed the definition of the building block of these geographic areas, called the spectrum "grid cell," from a 25 km² hexagonal shaped block to a 1 minute latitude × 1 minute longitude square block. This change from hexagonal grid cells to square grid cells is outlined in *Canada Gazette* notice DGSO-004-15, *Spectrum Management System Modernization: Changes to the Definition of Competitive and User-Defined Service Areas for Spectrum Licences* (www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11031.html). The changes are the result of a consultation process undertaken in DGSO-001-15, *Consultation on Changes to the Definition of Competitive and User-Defined Service Areas for Spectrum Licences* (www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10943.html).

3. Service Area Definitions

As different wireless services and applications are best suited to different sizes of service areas, four tiers of service areas have been established:

- **Tier 1** is a single national service area covering the entire territory of Canada.
- **Tier 2** consists of 14 provincial and large regional service areas covering the entire territory of Canada. Two additional Tier 2 areas, created for the Province of Alberta and the Province of

¹ Includes various licensing processes including auctions and first-come first-served.

² In mid-2015, all service areas that the Department uses for all competitive licensing processes were slightly adjusted as part of the modernization of the Spectrum Management System.

Service Areas for Competitive Licensing

Saskatchewan, generally adhere to the Alberta-Saskatchewan interprovincial border and maintain the territorial integrity of each province. These two Tier 2 service areas do not have associated Tier 3 and Tier 4 service areas.

- **Tier 3** consists of 59 smaller regional service areas covering the entire territory of Canada.
- **Tier 4** comprises 172 localized service areas covering the entire territory of Canada.

The Tier 4 localized service area boundaries were initially developed using contiguous groupings of Statistics Canada's 1996 census subdivisions.³ During development, service area borderlines were placed through lesser populated and more remote areas, wherever possible, in order to minimize potential interference problems. Tier 3 boundaries are based on groupings of Tier 4 localized service areas. Similarly, Tier 2 provincial and large regional service areas are based on groupings of Tier 3 service areas.

The two Tier 2 areas, Province of Saskatchewan (2-017) and Province of Alberta (2-018) were created for the 700 MHz auction held in 2014. In general, these tier areas represent the geographic areas of each of these two provinces without the deviations indicated below in Section 4 — Minor Deviations From the Provincial Borders.

An additional group of service areas was developed to accommodate the transition of non-auctioned Cellular and Personal Communications Services (PCS) licences from apparatus-based licences to spectrum licences and generally corresponding to the wireline services areas of the telephone companies operating in Quebec, Ontario and British Columbia. These service areas are known as Local Telephone Service Areas (TEL).

With the exception of the Local Telephone Service Areas, service areas were designed with borders drawn in remote, less populated areas, to the extent possible, in order to minimize potential interference problems.

Service areas were "converted" into areas based on a grouping of the spectrum grid cell building blocks in order to facilitate their electronic storage and representation. The minimum size of the grid cell is 1 minute latitude × 1 minute longitude and these are employed along service area boundaries, which will offer sufficient granularity such that the variations between the borders of the grid-cell defined areas and the underlying census divisions and subdivision(s) will be minimal. Larger square grid cells, e.g. 3 minute × 3 minute cells or 15 minute × 15 minute cells, are implemented for interiors of service areas where fine granularity is not required.

The following pages provide tier service area maps and tables with population values based on data supplied by Statistics Canada. Electronic versions of service area maps are available on

³ Census subdivision (CSD) is the general term that applies to municipalities or their equivalent (Ref. Statistics Canada – Cat. No. 92-351-UIE 1996 Census Dictionary – Final Edition).

Service Areas for Competitive Licensing

Industry Canada's [Spectrum Management and Telecommunications](http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf01627.html) website (www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf01627.html).

3.1 Tier 1

Table 1 — Tier 1 Service Area

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population	Tier 2 Service Areas
1-001	Canada	30,006,263	31,609,529	33,470,818	2-001, 2-002, 2-003, 2-004, 2-005, 2-006, 2-007, 2-008, 2-009, 2-010, 2-011, 2-012, 2-013, 2-014 (2-017 and 2-018)

Figure 1: Tier 1 Service Area Map

Service Areas for Competitive Licensing



Service Areas for Competitive Licensing

3.2 Tier 2

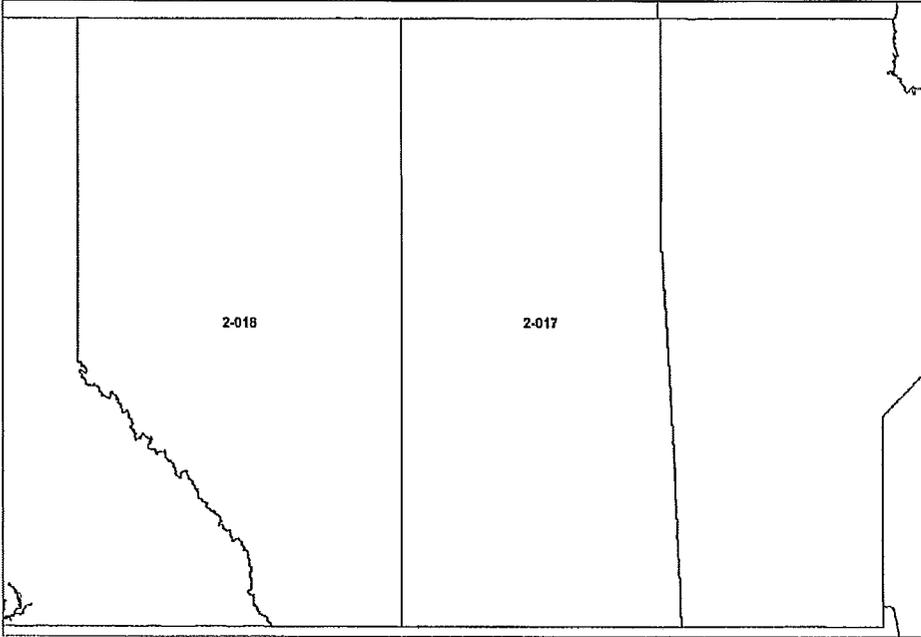
Table 2 — Service Areas

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population	Tier 3 Service Areas
2-001	Newfoundland and Labrador	513,293	505,735	514,711	3-001
2-002	Nova Scotia and Prince Edward Island	1,043,276	1,049,284	1,061,900	3-002, 3-003, 3-004
2-003	New Brunswick	728,685	728,196	749,623	3-005, 3-006, 3-007
2-004	Eastern Quebec	1,590,787	1,613,126	1,668,504	3-008, 3-009, 3-010
2-005	Southern Quebec	5,151,123	5,415,082	5,683,127	3-011, 3-012, 3-013, 3-014
2-006	Eastern Ontario and Outaouais	2,122,115	2,222,625	2,347,556	3-015, 3-016, 3-018, 3-019, 3-020, 3-021, 3-022, 3-023
2-007	Northern Quebec	187,204	185,898	190,271	3-017
2-008	Southern Ontario	8,811,356	9,485,855	10,091,045	3-024, 3-025, 3-026, 3-027, 3-028, 3-029, 3-030, 3-031, 3-032, 3-033
2-009	Northern Ontario	785,189	784,279	773,104	3-034, 3-035, 3-036, 3-037, 3-038
2-010	Manitoba	1,119,784	1,148,381	1,208,253	3-039, 3-040
2-011	Saskatchewan	975,023	964,433	1,029,497	3-041, 3-042, 3-043
2-012	Alberta	2,978,381	3,293,928	3,648,798	3-044, 3-045, 3-046, 3-047, 3-048, 3-049
2-013	British Columbia	3,907,565	4,113,797	4,399,805	3-050, 3-051, 3-052, 3-053, 3-054, 3-055, 3-056, 3-057, 3-058
2-014	Yukon, Northwest Territories and Nunavut	92,483	98,910	104,625	3-059
2-017	Province of Saskatchewan	976,054	964,718	1,029,751	N/A
2-018	Province of Alberta	2,977,350	3,293,643	3,648,544	N/A

Figure 2a: Tier 2 Service Areas Map



**Figure 2b: Tier 2-017 and Tier 2-018 Service Areas
(Adhere to Provincial Borders of Saskatchewan and Alberta)**



Service Areas for Competitive Licensing

3.3 Tier 3

Table 3 — Service Areas

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population	Tier 4 Service Areas
3-001	Newfoundland and Labrador	513,293	505,735	514,711	4-001, 4-002, 4-003, 4-004, 4-005
3-002	Prince Edward Island	135,294	135,851	140,204	4-006, 4-007
3-003	Mainland Nova Scotia	761,038	771,883	786,472	4-008, 4-009, 4-010, 4-011, 4-012, 4-013
3-004	Cape Breton	146,944	141,551	135,224	4-014
3-005	Southern New Brunswick	167,212	166,904	172,318	4-015, 4-016
3-006	Western New Brunswick	209,230	209,621	217,159	4-017, 4-020, 4-021
3-007	Eastern New Brunswick	352,244	351,671	360,145	4-018, 4-019, 4-022
3-008	Bas du fleuve	298,441	296,928	295,707	4-023, 4-024, 4-025, 4-026
3-009	Québec	917,858	948,944	1,004,543	4-027, 4-029, 4-030, 4-031
3-010	Chicoutimi-Jonquière	374,488	367,254	368,254	4-028, 4-065, 4-063, 4-064
3-011	Eastern Townships	509,293	526,626	543,370	4-032, 4-033, 4-034, 4-035, 4-039, 4-040, 4-041, 4-042, 4-043, 4-045
3-012	Trois-Rivières	750,277	778,607	810,080	4-036, 4-037, 4-038, 4-044, 4-047, 4-048, 4-049, 4-050
3-013	Montréal	3,783,840	3,989,578	4,204,850	4-046, 4-051
3-014	Upper Outaouais	107,713	120,271	124,827	4-052, 4-054
3-015	Ottawa / Outaouais	1,266,303	1,335,129	1,442,822	4-053, 4-055
3-016	Pembroke	107,212	109,843	112,950	4-056, 4-057
3-017	Abitibi	187,204	185,898	190,271	4-058, 4-059, 4-060, 4-061, 4-062, 4-066
3-018	Cornwall	66,003	66,518	67,288	4-067
3-019	Brockville	82,774	84,204	84,038	4-068, 4-069
3-020	Kingston	162,799	168,863	175,895	4-070
3-021	Belleville	184,128	190,276	195,564	4-071, 4-072
3-022	Cobourg	59,981	62,719	62,837	4-073
3-023	Peterborough	192,915	205,074	206,161	4-074, 4-075
3-024	Huntsville	72,262	78,002	78,789	4-076, 4-096
3-025	Toronto	5,636,262	6,129,634	6,646,250	4-077
3-026	Barrie	592,340	646,845	673,893	4-095, 4-078, 4-081, 4-094

Service Areas for Competitive Licensing

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population	Tier 4 Service Areas
3-027	Guelph/Kitchener	607,230	659,547	696,463	4-079, 4-080
3-028	Listowel/Goderich/ Stratford	133,308	132,996	133,542	4-088, 4-082
3-029	Niagara-St. Catharines	354,607	366,746	367,803	4-083, 4-084
3-030	London/Woodstock/ St. Thomas	765,098	799,820	832,095	4-085, 4-086, 4-087
3-031	Chatham	106,606	106,466	100,110	4-089, 4-091
3-032	Windsor/Leamington	376,693	395,533	390,154	4-090
3-033	Strathroy	166,949	170,266	171,946	4-092, 4-093
3-034	North Bay	122,524	125,172	126,606	4-097, 4-098
3-035	Sault Ste. Marie	135,260	133,382	132,116	4-106, 4-099, 4-105
3-036	Sudbury	172,912	175,301	177,314	4-100
3-037	Kirkland Lake	119,716	115,729	114,167	4-101, 4-102, 4-103
3-038	Thunder Bay	234,777	234,695	222,900	4-109, 4-107, 4-108, 4-104
3-039	Winnipeg	947,526	978,640	1,033,768	4-110, 4-111, 4-112, 4-113, 4-115, 4-117, 4-118
3-040	Brandon	172,258	169,741	174,484	4-114, 4-116
3-041	Regina	349,582	343,576	366,473	4-119, 4-120, 4-123, 4-124
3-042	Moose Jaw	104,263	99,016	100,244	4-121, 4-122
3-043	Saskatoon	521,178	521,840	562,780	4-127, 4-130, 4-128, 4-126,4-125
3-044	Edmonton	1,198,195	1,315,034	1,464,088	4-140, 4-145, 4-146, 4-144, 4-143, 4-142, 4-141, 4-129
3-045	Medicine Hat/Brooks	175,661	183,170	190,825	4-131, 4-133, 4-139
3-046	Lethbridge	156,163	163,656	177,304	4-132
3-047	Calgary	1,091,697	1,235,721	1,390,228	4-136, 4-135, 4-134
3-048	Red Deer	198,484	223,785	240,348	4-138, 4-137
3-049	Grande Prairie	158,181	172,561	186,005	4-148, 4-147
3-050	Kootenays	132,908	129,975	134,352	4-149, 4-150
3-051	Okanagan/Columbia	368,618	392,038	415,223	4-159, 4-151, 4-163, 4-162
3-052	Vancouver	2,310,032	2,463,406	2,684,515	4-152, 4-153, 4-157, 4-158
3-053	Victoria	390,004	414,254	432,549	4-154
3-054	Nanaimo	165,016	177,135	185,404	4-155
3-055	Courtenay	105,950	109,183	114,583	4-156
3-056	Thompson/Cariboo	174,338	173,815	179,998	4-160, 4-161, 4-164, 4-165
3-057	Prince George	200,013	189,465	187,639	4-168, 4-166, 4-167
3-058	Dawson Creek	60,687	64,525	65,542	4-169
3-059	Yukon, Northwest Territories and Nunavut	92,483	98,910	104,625	4-171, 4-172, 4-170

Figure 3a: Tier 3 Service Areas Map

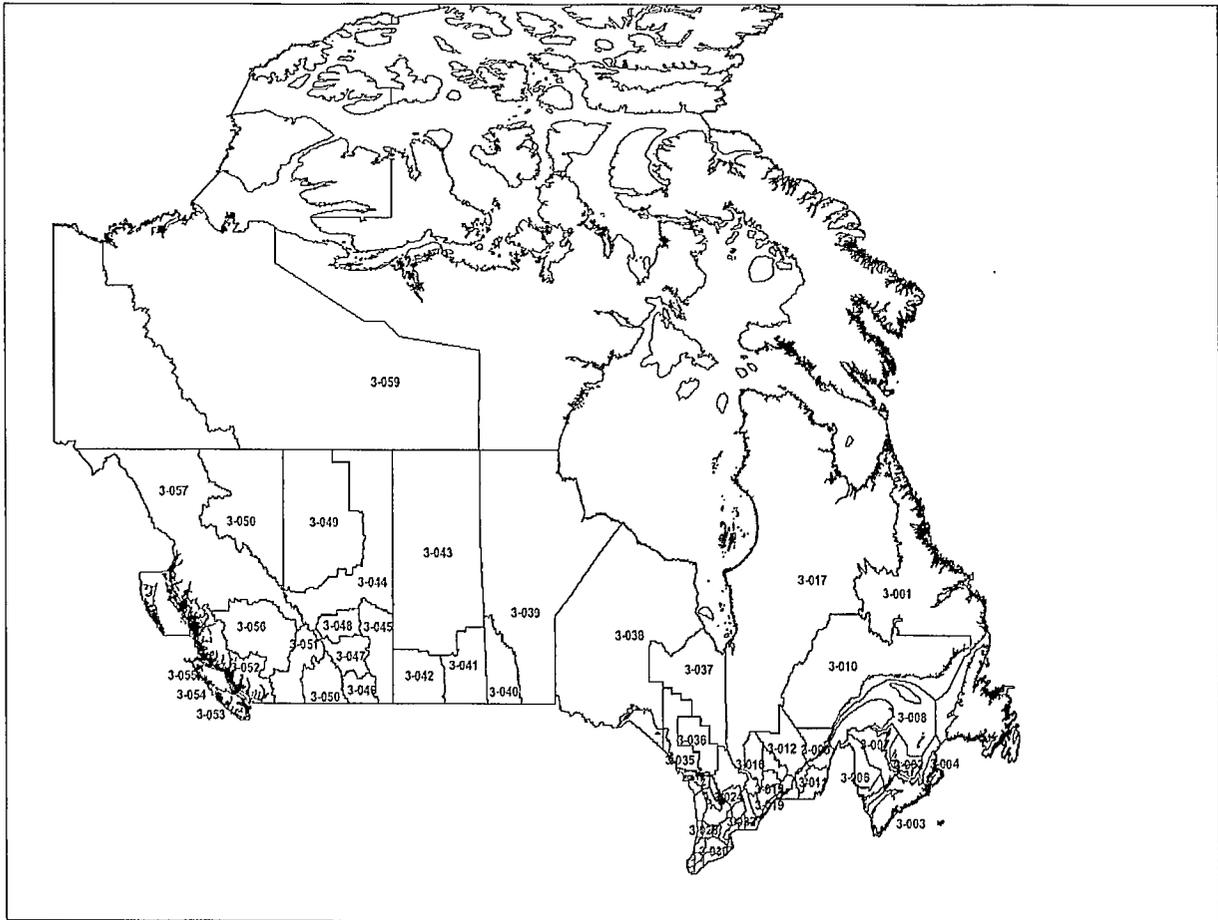
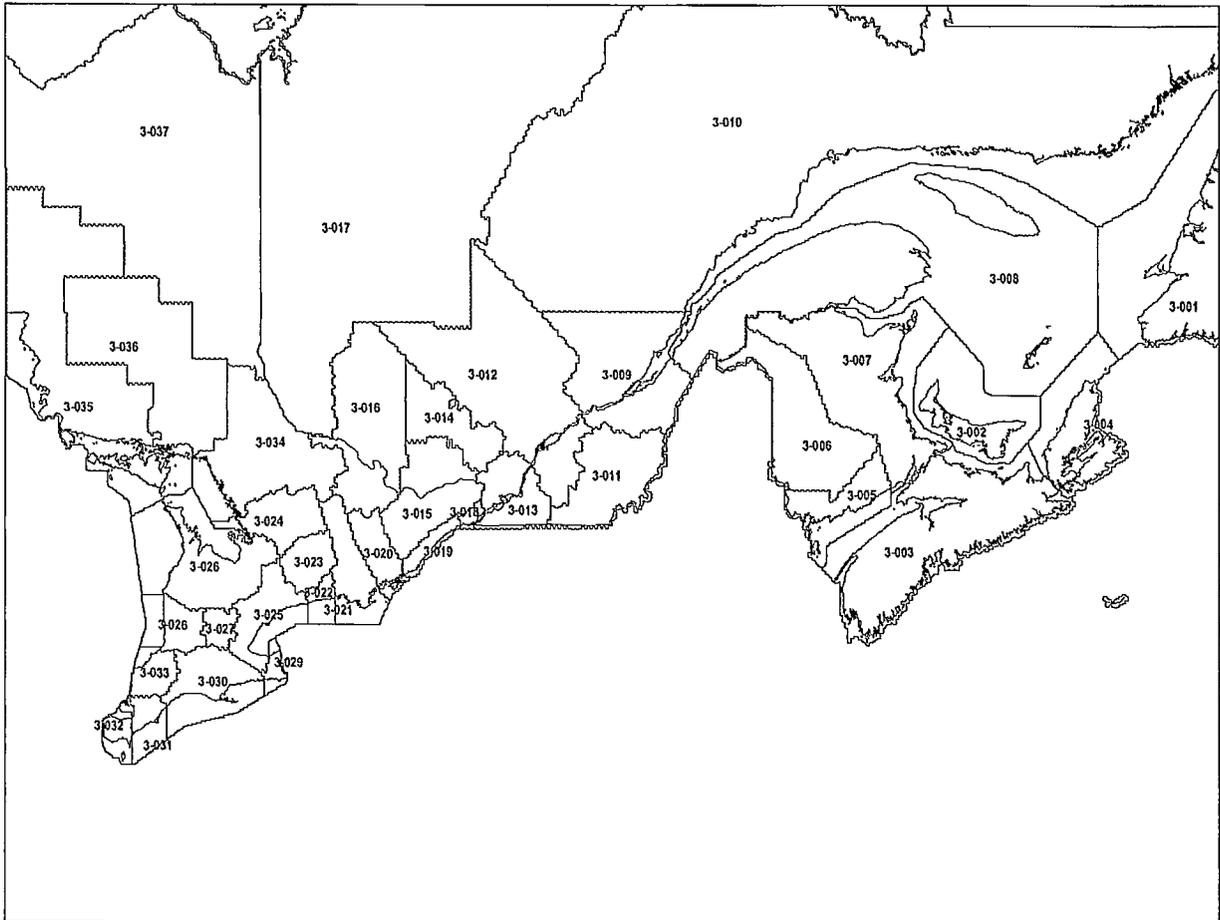


Figure 3b: Tier 3 Service Areas Map (Detailed View of Southern Ontario to Nova Scotia)



3.4 Tier 4

Table 4 — Service Areas

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population
4-001	St. John's	223,382	230,190	245,932
4-002	Placentia	19,429	18,191	16,441
4-003	Gander/Grand Falls/Windsor	159,539	150,698	146,818
4-004	Corner Brook/Stephenville	82,705	80,024	78,598
4-005	Labrador	28,238	26,632	26,922
4-006	Charlottetown	86,821	87,451	91,985
4-007	Summerside	48,473	48,400	48,219
4-008	Yarmouth	62,555	60,751	57,742
4-009	Bridgewater/Kentville	140,034	140,368	140,206
4-010	Halifax	389,330	402,675	422,034
4-011	Truro	56,063	57,285	57,307
4-012	Amherst	36,073	35,484	34,905
4-013	Antigonish/New Glasgow	76,984	75,320	74,279
4-014	Sydney	146,944	141,551	135,224
4-015	Saint John	140,239	140,376	146,112
4-016	St. Stephen	26,973	26,528	26,206
4-017	Fredericton	152,426	155,121	163,718
4-018	Moncton	151,201	159,944	172,563
4-019	Miramichi/Bathurst	169,215	162,902	159,491
4-020	Grand Falls	28,523	27,167	26,434
4-021	Edmundston	28,280	27,333	27,008
4-022	Campbellton	31,827	28,825	28,091
4-023	Matane	118,331	117,037	116,151
4-024	Mont-Joli	41,772	40,555	39,410
4-025	Rimouski	52,024	53,181	55,043
4-026	Rivière-du-Loup	86,315	86,155	85,102
4-027	La Malbaie	29,391	29,210	29,287
4-028	Chicoutimi-Jonquière	217,168	212,985	215,853
4-029	Montmagny	59,563	58,669	57,905
4-030	Québec	780,749	812,588	865,499
4-031	Sainte-Marie	48,154	48,476	51,853
4-032	Saint-Georges	67,261	68,897	70,299
4-033	Lac Mégantic	25,045	25,290	24,977
4-034	Thetford Mines	42,889	42,954	42,644

Service Areas for Competitive Licensing

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population
4-035	Plessisville	22,030	21,969	22,441
4-036	La Tuque	16,292	16,505	16,396
4-037	Trois-Rivières	252,449	254,761	261,017
4-038	Louiseville	22,193	22,281	22,277
4-039	Asbestos	30,299	30,379	30,367
4-040	Victoriaville	49,239	51,061	54,163
4-041	Coaticook	13,307	13,434	13,434
4-042	Sherbrooke	216,129	229,166	240,705
4-043	Windsor	16,267	16,171	16,332
4-044	Drummondville	96,533	101,670	107,470
4-045	Cowansville	26,827	27,305	28,008
4-046	Farnham	27,926	26,764	28,652
4-047	Granby	87,052	93,397	100,769
4-048	St-Hyacinthe	83,717	85,789	89,257
4-049	Sorel	56,312	56,503	57,815
4-050	Joliette	135,729	147,701	155,079
4-051	Montréal	3,755,915	3,962,813	4,176,198
4-052	Sainte-Agathe-des-Monts	61,728	71,554	75,902
4-053	Hawkesbury	62,372	63,588	63,850
4-054	Mont-Laurier/Maniwaki	45,985	48,717	48,925
4-055	Ottawa/Outaouais	1,203,931	1,271,540	1,378,972
4-056	Pembroke	77,679	79,398	82,043
4-057	Arnprior/Renfrew	29,533	30,445	30,906
4-058	Rouyn-Noranda	40,605	40,603	41,762
4-059	Notre-Dame-du-Nord	17,361	17,083	16,493
4-060	La Sarre	20,040	19,566	19,817
4-061	Amos	24,977	24,763	24,834
4-062	Val D'Or	43,464	43,135	44,180
4-063	Roberval/Saint-Félicien	61,572	60,021	59,365
4-064	Baie-Comeau	48,305	47,361	45,869
4-065	Port-Cartier/Sept-Îles	47,444	46,888	47,167
4-066	Chibougamau	40,757	40,747	43,185
4-067	Cornwall	66,003	66,518	67,288
4-068	Brockville	69,998	71,041	71,078
4-069	Gananoque	12,777	13,163	12,961
4-070	Kingston	162,799	168,863	175,895
4-071	Napanee	39,521	40,492	42,687
4-072	Belleville	144,607	149,783	152,877

Service Areas for Competitive Licensing

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population
4-073	Cobourg	59,981	62,719	62,837
4-074	Peterborough	151,110	160,516	161,498
4-075	Lindsay	41,806	44,558	44,663
4-076	Minden	17,752	19,084	19,518
4-077	Toronto	5,636,262	6,129,634	6,646,250
4-078	Alliston	99,214	106,320	113,688
4-079	Guelph/Kitchener	580,878	631,767	668,108
4-080	Fergus	26,351	27,780	28,355
4-081	Kincardine	173,856	180,457	181,398
4-082	Listowel/Goderich	83,699	82,892	83,266
4-083	Fort Erie	28,538	30,283	30,344
4-084	Niagara-St. Catharines	326,069	336,463	337,458
4-085	Haldimand/Dunnville	36,052	37,100	37,037
4-086	London/Woodstock/St. Thomas	607,210	633,981	654,522
4-087	Brantford	121,836	128,740	140,536
4-088	Stratford	49,609	50,104	50,276
4-089	Chatham	73,561	74,151	71,296
4-090	Windsor/Leamington	376,693	395,533	390,154
4-091	Wallaceburg	33,045	32,315	28,813
4-092	Sarnia	124,784	126,118	125,916
4-093	Strathroy	42,165	44,148	46,029
4-094	Barrie	275,102	312,626	330,234
4-095	Midland	44,168	47,442	48,573
4-096	Gravenhurst/Bracebridge	54,511	58,918	59,271
4-097	North Bay	103,145	104,378	105,681
4-098	Parry Sound	19,379	20,794	20,925
4-099	Elliot Lake	31,026	29,601	29,826
4-100	Sudbury	172,912	175,301	177,314
4-101	Kirkland Lake	34,442	33,432	32,793
4-102	Timmins	43,897	43,301	43,453
4-103	Kapuskasing	41,377	38,996	37,921
4-104	Kenora/Sioux Lookout	61,856	64,298	56,600
4-105	Iron Bridge	22,512	20,974	20,081
4-106	Sault Ste. Marie	81,723	82,808	82,209
4-107	Marathon	29,376	26,591	24,905
4-108	Thunder Bay	121,469	122,309	121,054
4-109	Fort Frances	22,076	21,497	20,342
4-110	Steinbach	45,969	49,981	57,846

Service Areas for Competitive Licensing

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population
4-111	Winnipeg	722,170	741,741	779,623
4-112	Lac du Bonnet	53,678	57,056	57,332
4-113	Morden/Winkler	38,684	41,531	47,558
4-114	Brandon	92,482	93,178	98,608
4-115	Portage la Prairie	20,073	20,053	20,407
4-116	Dauphin	79,776	76,563	75,877
4-117	Creighton/Flin Flon	22,899	21,854	21,665
4-118	Thompson	44,052	46,424	49,338
4-119	Estevan	44,587	42,880	45,956
4-120	Weyburn	21,632	20,406	22,306
4-121	Moose Jaw	56,827	54,064	54,537
4-122	Swift Current	47,436	44,952	45,707
4-123	Yorkton	66,780	62,214	63,232
4-124	Regina	216,583	218,076	234,979
4-125	Saskatoon	237,338	244,908	273,106
4-126	Watrous	29,478	27,131	27,758
4-127	Battleford	91,965	89,382	94,838
4-128	Prince Albert	130,699	126,698	130,853
4-129	Lloydminster	29,818	32,532	35,242
4-130	Northern Saskatchewan	31,699	33,721	36,225
4-131	Medicine Hat/Brooks	89,050	96,953	102,085
4-132	Lethbridge	156,163	163,656	177,304
4-133	Stettler/Oyen/Wainwright	52,124	50,835	50,619
4-134	High River	59,250	80,238	98,512
4-135	Strathmore	38,271	41,487	43,489
4-136	Calgary	994,176	1,113,996	1,248,227
4-137	Red Deer	151,532	174,094	187,919
4-138	Wetaskiwin/Ponoka	46,951	49,691	52,429
4-139	Camrose	34,487	35,382	38,121
4-140	Vegreville	14,408	14,692	15,440
4-141	Edmonton	942,461	1,039,159	1,164,368
4-142	Edson/Hinton	45,023	46,912	47,684
4-143	Bonnyville	74,197	76,503	79,901
4-144	Whitecourt	27,270	29,875	30,665
4-145	Barrhead	22,028	22,301	23,325
4-146	Fort McMurray	42,989	53,060	67,462
4-147	Peace River	82,633	83,998	86,443
4-148	Grande Prairie	75,548	88,563	99,562

Service Areas for Competitive Licensing

Tier Area	Service Area Name	2001 Population	2006 Population	2011 Population
4-149	East Kootenay	56,278	55,441	56,646
4-150	West Kootenay	76,629	74,534	77,707
4-151	Kelowna	299,042	319,599	342,572
4-152	Vancouver	2,200,915	2,347,864	2,564,492
4-153	Hope	21,875	24,030	24,763
4-154	Victoria	390,004	414,254	432,549
4-155	Nanaimo	165,016	177,135	185,404
4-156	Courtenay	105,950	109,183	114,583
4-157	Powell River	26,887	26,784	26,780
4-158	Squamish/Whistler	60,355	64,729	68,481
4-159	Merritt	15,367	15,826	15,676
4-160	Kamloops	92,045	95,915	101,949
4-161	Ashcroft	16,531	15,658	15,592
4-162	Salmon Arm	47,070	49,692	50,209
4-163	Golden	7,139	6,921	6,765
4-164	Williams Lake	41,124	39,320	38,447
4-165	Quesnel/Red Bluff	24,638	22,921	24,010
4-166	Skeena	63,929	59,027	56,717
4-167	Prince George	95,340	92,348	91,950
4-168	Smithers	40,744	38,090	38,973
4-169	Dawson Creek	60,687	64,525	65,542
4-170	Yukon	28,391	29,090	33,926
4-171	Nunavut	26,740	28,699	29,597
4-172	Northwest Territories	37,352	41,121	41,102

Figure 4a: Tier 4 Service Areas Map (British Columbia to Manitoba, Including Yukon, Northwest Territories and Nunavut)

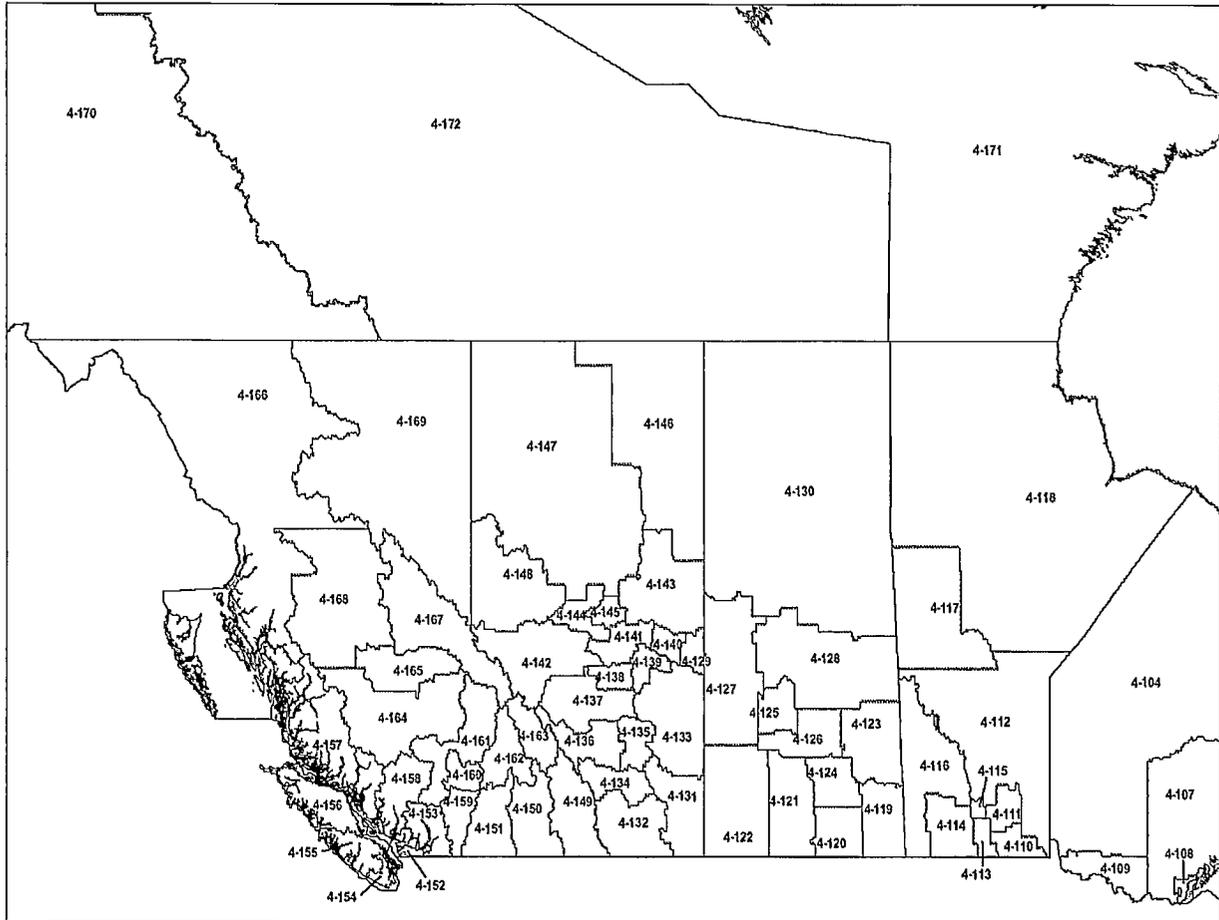
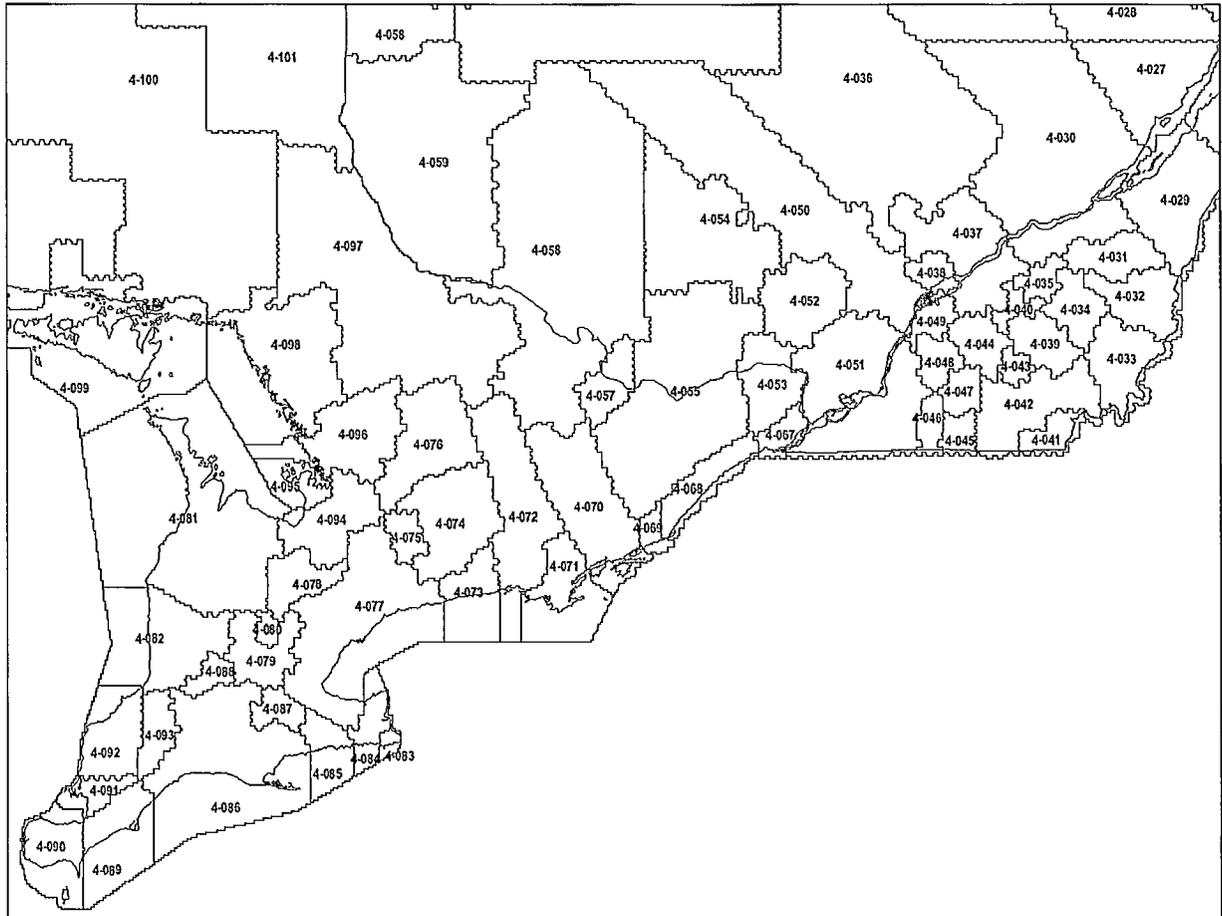


Figure 4b: Tier 4 Service Areas Map (Ontario to Newfoundland and Labrador)



Figure 4c: Tier 4 Service Areas Map (Detailed View of Southern Ontario and Quebec)



3.5 TEL Areas

Table 5 — Service Areas

TEL Area	Service Area Name	2001 Population	2006 Population	2011 Population
TEL-002	Sept-Îles and Gaspésie, Beauce, Saint-Georges, Sainte-Clotilde-de-Beauce	509,436	509,517	520,425
TEL-004	Valcourt	11,189	11,507	12,160
TEL-005	La Baie	1,139	1,069	1,019
TEL-006	Courcelles	995	929	988
TEL-007	Lambton	2,179	2,125	2,167
TEL-008	Nantes	1,432	1,413	1,354
TEL-009	St-Victor	2,468	2,518	2,429
TEL-010	Warwick	10,735	10,660	10,616
TEL-011	Acton	4,187	4,115	4,329
TEL-012	St-Ephrem	2,587	2,579	2,504
TEL-013	St-Liboire	4,400	4,271	4,522
TEL-014	Etchemin, Nicolet, Saint-Ludger	34,188	34,268	34,125
TEL-015	Sainte-Rosalie, Notre-Dame-du-Bon-Conseil	13,992	14,160	14,439
TEL-016	St-Paulin	9,835	10,198	10,030
TEL-017	Québec, Charlevoix, Saguenay, Saint-Jean-Chrysostome, Bas Saint-Laurent, Saint-Nicolas, Saint-Étienne, Deschailons, Fortierville, Villeroy, Île d'Orléans, Tring-Jonction, Lac-aux-Sables, Sainte-Agathe-de-Lotbinière, Bellechasse	1,094,282	1,118,724	1,165,378

Service Areas for Competitive Licensing

TEL Area	Service Area Name	2001 Population	2006 Population	2011 Population
TEL-018	Aylmer, Manitoulin Island East, Bruce Peninsula North, Coldwater, Cambray	36,801	37,840	38,764
TEL-021	Watford	6,916	6,485	6,173
TEL-022	Port Elgin	19,125	19,421	19,946
TEL-024	Thunder Bay	123,820	123,238	122,090
TEL-025	Dryden	6,514	6,640	6,301
TEL-026	Kenora	11,821	10,464	10,474
TEL-027	Woodstock, Port Franks	8,855	10,734	10,419
TEL-028	Cottam	4,095	4,706	4,603
TEL-029	Grand Bend	6,785	7,311	7,379
TEL-030	Goderich	9,411	8,863	9,324
TEL-031	Lansdowne	3,476	3,719	3,624
TEL-032	Mornington	5,927	6,113	6,193
TEL-033	Millbrook	5,816	6,054	5,888
TEL-034	Keene	3,370	3,515	3,364
TEL-035	North Frontenac	2,347	2,396	2,377
TEL-036	North Renfrew	4,106	3,736	3,906
TEL-037	Moosonee, Iroquois Falls, Marten River, Temagami	4,228	2,117	4,006
TEL-038	Forest	9,457	9,472	9,257
TEL-039	Kirkton, Uniondale	9,538	9,358	9,283
TEL-040	Moose Creek	1,684	1,534	1,475
TEL-042	Clinton	7,001	6,672	6,630
TEL-043	Westport	2,807	3,133	2,954
TEL-044	Mildmay	14,022	13,462	13,155
TEL-045	Southern British Columbia, Dawson Creek Area	3,882,832	4,088,212	4,375,576
TEL-046	Fort Nelson Area	10,166	11,620	10,488
TEL-047	Prince Rupert	14,506	12,778	12,493
TEL-048	Rainy River District	23,700	22,888	21,805

Service Areas for Competitive Licensing

TEL Area	Service Area Name	2001 Population	2006 Population	2011 Population
TEL-055	Sioux Narrows- East Hawk Lake-Minaki	5,766	7,291	7,579
TEL-057	Grand Bend	4,287	5,296	5,391
TEL-062	Cochrane	6,397	5,585	5,451
TEL-063	Northeastern Ontario and Highway 144	109,666	105,155	102,951
TEL-064	Algoma, Hornepayne	9,961	7,724	7,562
TEL-066	Oxdrift, East Dryden	4,918	3,972	3,570
TEL-068	Lake Superior North, Sioux Lookout to Raith, Highway 105, Greenstone	38,223	34,039	31,968
TEL-069	Southern, Northern, Eastern Ontario	10,762,632	11,502,565	12,195,674
TEL-070	Zurich	2,556	2,145	2,095
TEL-071	Northeastern Ontario	109,968	105,716	103,546
TEL-072	Yukon Territory less Whitehorse	9,518	8,779	10,857
TEL-073	Whitehorse, Northwest Territories and Nunavut	83,161	90,435	94,113
TEL-074	Southern, Northern, Eastern Ontario, Algoma, Hornepayne	10,756,006	11,494,603	12,187,478
TEL-076	Nipigon-Armstrong-Whitefish Lake	5,982	7,021	6,291
TEL-078	Deception Bay	1,430	1,133	1,250
TEL-079	Southern, Northern, Eastern Ontario	10,742,975	11,481,585	12,175,524
TEL-080	Southern Quebec, Québec, Charlevoix, Saguenay, Bas Saint-Laurent, Thetford Mines, Plessisville, Saint-Rosaire, Victoriaville, Saint-Barnabé South, Saint-Valérien-de-Milton,	6,225,163	6,530,524	6,864,776

Service Areas for Competitive Licensing

TEL Area	Service Area Name	2001 Population	2006 Population	2011 Population
	Saint-Jacques-de-Horton, Hudson's Bay			
TEL-081	Abitibi and James Bay, Mont-Laurier, Les Bois-Francs, Saint-Ours, Magdalen Islands, Clarendon, Bedford, Drummondville-Sud, Château-Richer, Frontenac	353,222	354,756	363,062
TEL-082	Sept-Îles and Gaspésie, Beauce	468,122	467,524	476,507
TEL-083	Grassy Narrows, Koko Lake, Folyet	2,887	2,269	2,225
TEL-084	Saint-Georges, Sept-Îles, Gaspésie	519,671	519,666	530,200
TEL-085	Québec	698,613	726,589	771,887
TEL-086	Montréal	3,733,753	3,937,919	4,148,370
TEL-087	Ottawa-Gatineau	959,262	1,010,582	1,104,372

Figure 5a: Map of TEL Areas in Ontario and Quebec

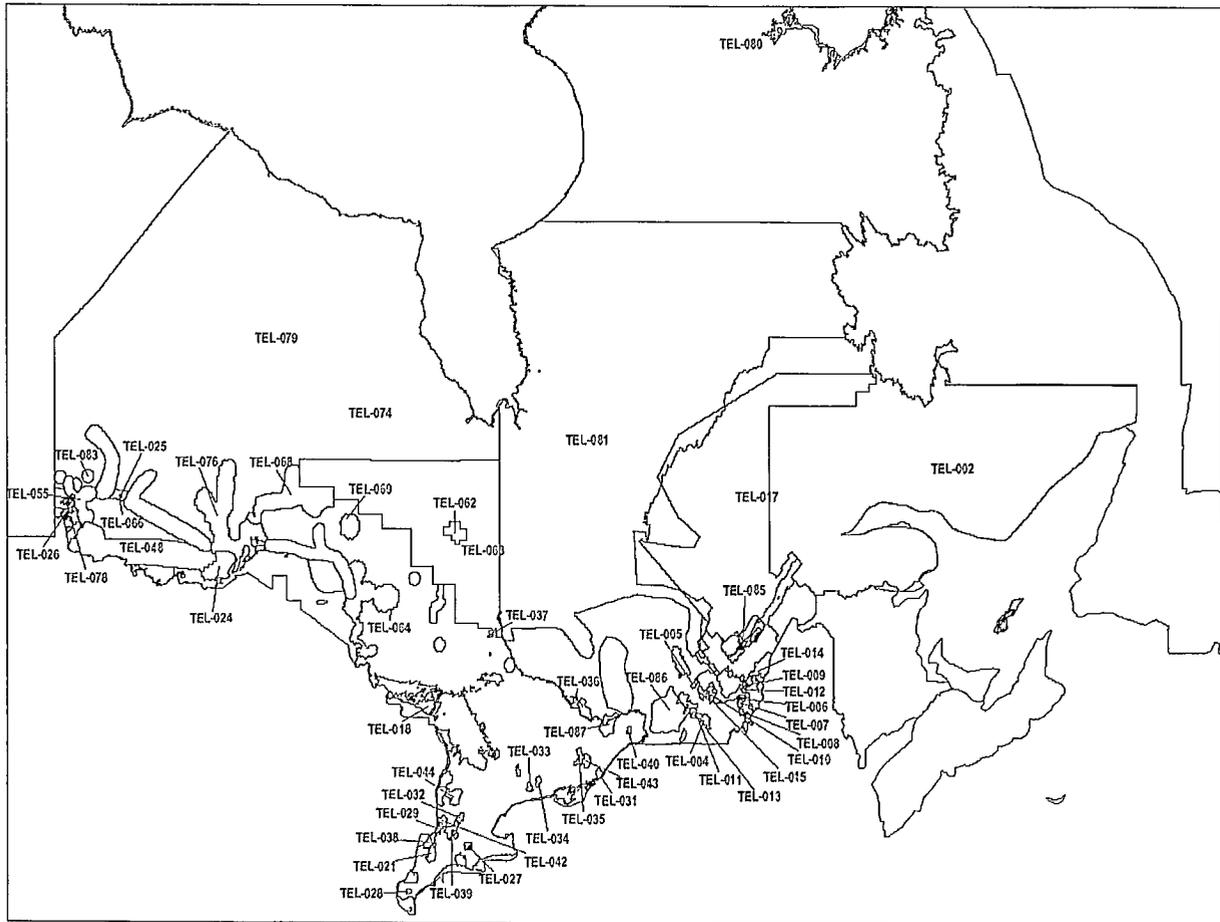
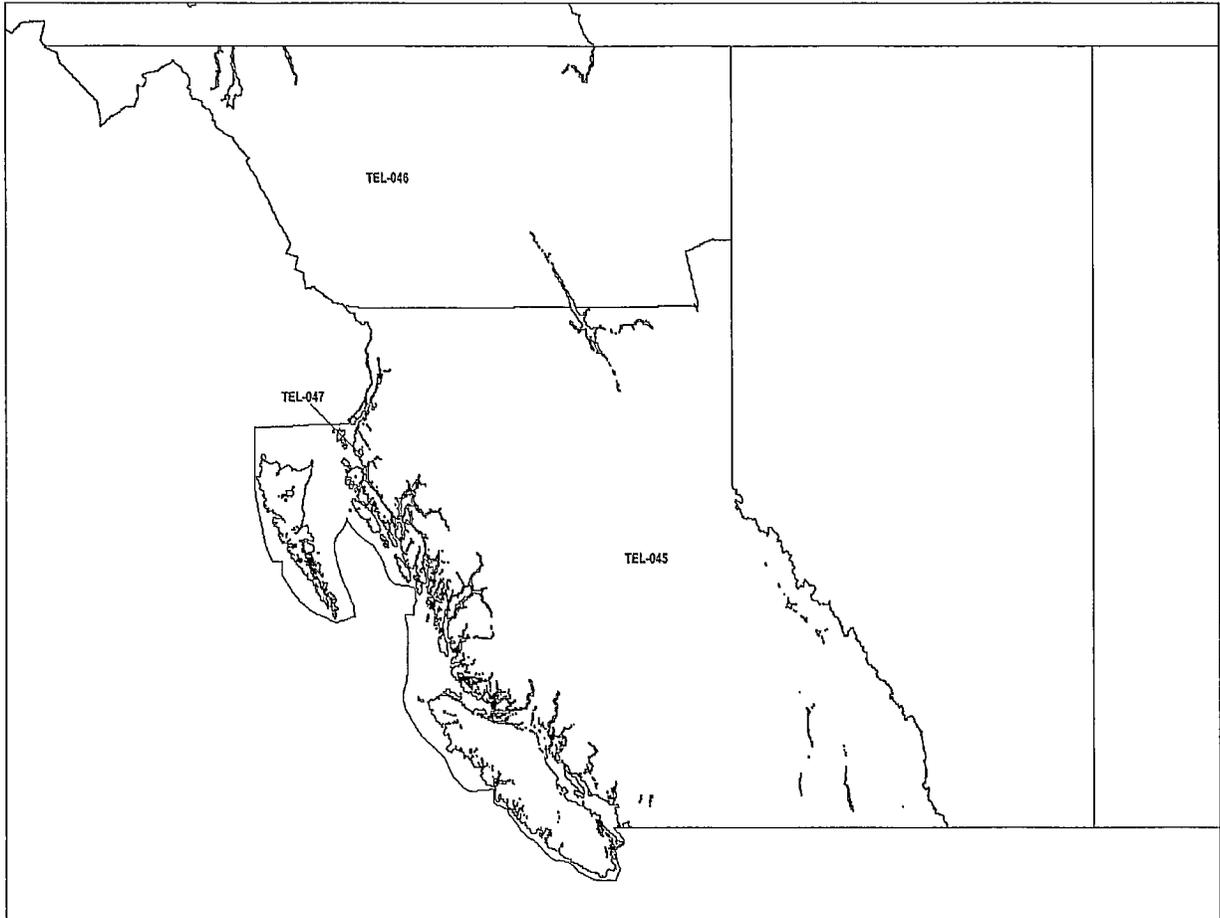


Figure 5b: Map of TEL Areas in British Columbia

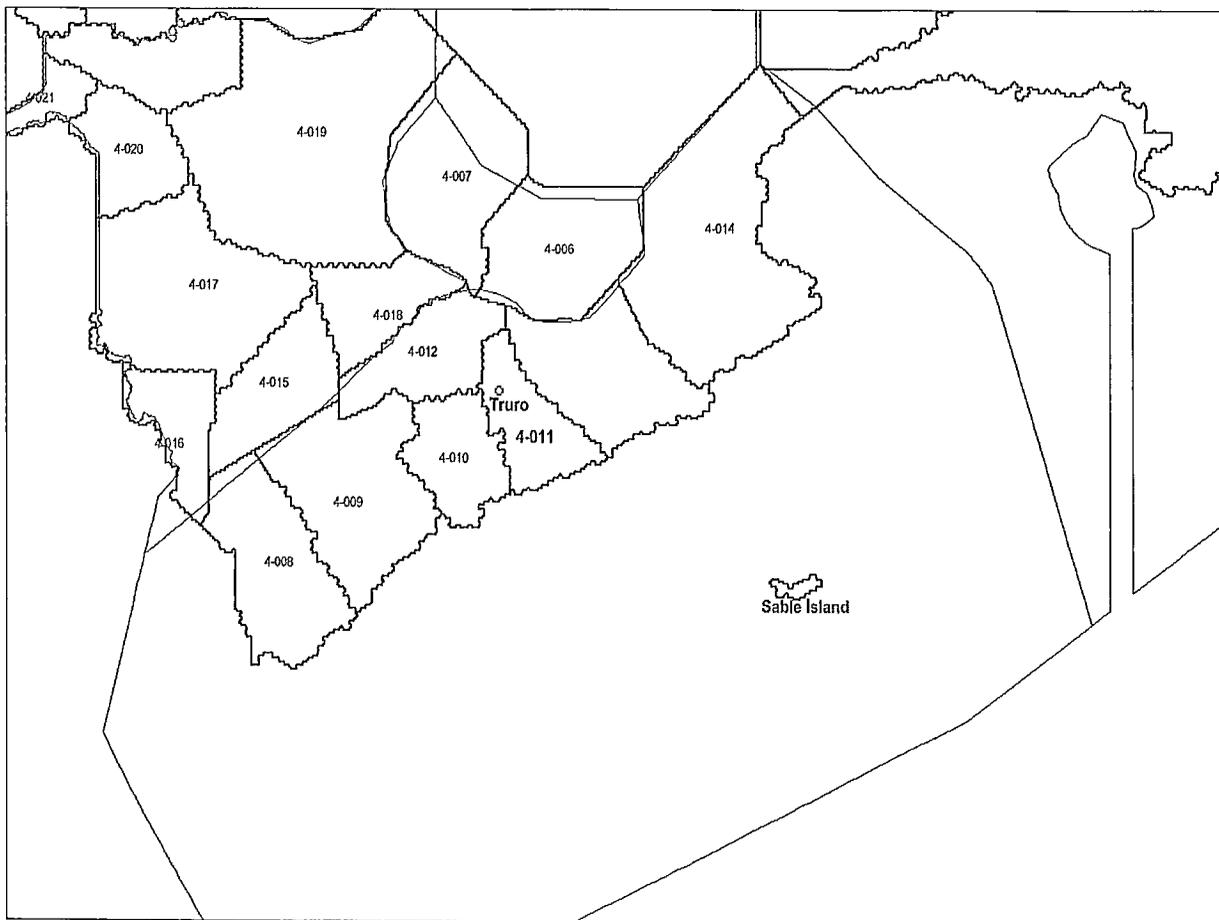


4. Minor Deviations From Provincial Borders

The Tier 4 service area boundaries are based on 1996 Statistics Canada census divisions, and comprise 172 areas covering all of Canada. Some minor deviations are made around provincial borders to reflect certain wireline service areas and also to avoid having a service area boundary cut through a population centre, so as to minimize potential interference problems.

The Tier 4 service area minor deviations from provincial borders are as follows (see figures 6a, 6b and 6c):

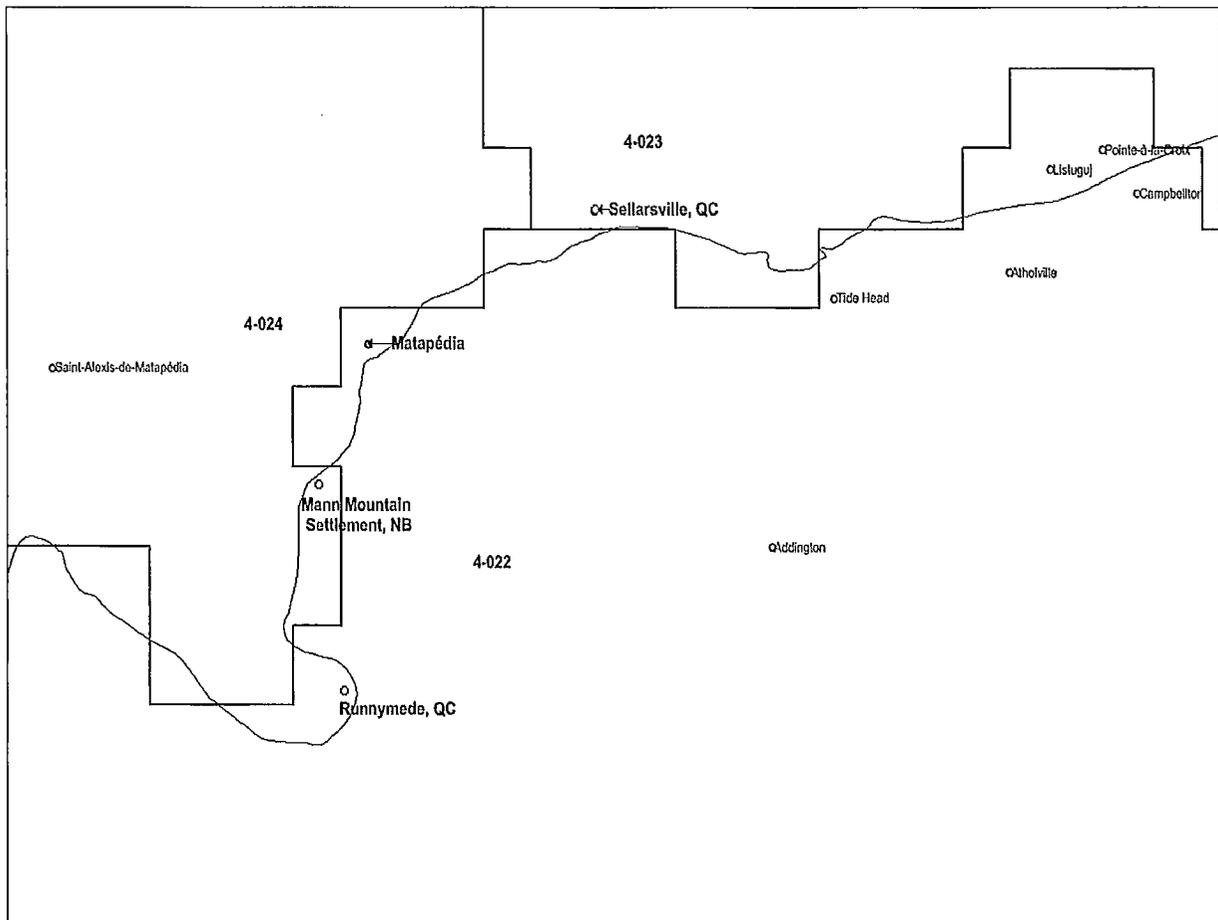
Figure 6a: Sable Island (Nova Scotia)



Service Areas for Competitive Licensing

- A portion of the Matapédia 1996 Census subdivision used to create the service area 4-024 Mont-Joli (Eastern Quebec) has been captured by service area 4-022 Campbellton (New Brunswick). Consequently, the towns of Runnymede, Quebec, and Matapédia, Quebec, are included in service area 4-022 Campbellton (New Brunswick), whereas the town of Mann Mountain Settlement, New Brunswick is included in service area 4-024 Mont-Joli (Eastern Quebec).

Figure 6b: Matapédia (Quebec)



Service Areas for Competitive Licensing

- A large rural portion of the Makaoo Census subdivision, which lies in both Alberta and Saskatchewan, is included in service area 4-127 Battleford (Saskatchewan). The City of Lloydminster in Saskatchewan is included in service area 4-129 Lloydminster (Alberta).

Figure 6c: Lloydminster (Alberta and Saskatchewan) and Makaoo (Alberta)

