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# **Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)**



April 2010



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Statistics Canada  
Transportation Division

# Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141)

April 2010

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## Symbols

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

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# Table of contents

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<b>Highlights</b>	<b>5</b>
<b>Analysis</b>	<b>6</b>
<b>Related products</b>	<b>7</b>
<b>Statistical tables</b>	
1 Total aircraft movements by class of operation	11
1-1 NAV CANADA towers	11
1-2 NAV CANADA flight service stations	12
2 Total aircraft movements, civil and military	13
2-1 NAV CANADA towers	13
2-2 NAV CANADA flight service stations	14
3 Itinerant movements by type of operator	15
3-1 NAV CANADA towers	15
3-2 NAV CANADA flight service stations	16
4 Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements	17
4-1 NAV CANADA towers	17
4-2 NAV CANADA flight service stations	18
5 Itinerant movements by type of power plant	19
5-1 NAV CANADA towers	19
5-2 NAV CANADA flight service stations	20
6 Itinerant movements by aircraft weight group	21
6-1 NAV CANADA towers	21
6-2 NAV CANADA flight service stations	22
7 Itinerant movements, domestic, transborder and international	23
7-1 NAV CANADA towers	23
7-2 NAV CANADA flight service stations	27

## Table of contents – continued

8	Total aircraft movements, peak hour and peak day	32
8-1	NAV CANADA towers	32
8-2	NAV CANADA flight service stations	33
9	Itinerant aircraft movements, peak hour and peak day	34
9-1	NAV CANADA towers	34
9-2	NAV CANADA flight service stations	35
10	Local movements, peak hour and peak day	36
10-1	NAV CANADA towers	36
10-2	NAV CANADA flight service stations	37
11	Local movements - civil, peak hour and peak day	38
11-1	NAV CANADA towers	38
11-2	NAV CANADA flight service stations	39
12	Local movements - military, peak hour and peak day	40
12-1	NAV CANADA towers	40
12-2	NAV CANADA flight service stations	41

## Data quality, concepts and methodology

Methodology	42
Data quality and limitations	44

## Appendix

I	Factors influencing the data	45
II	Glossary of terms	46

## Highlights

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.8% in April 2010 compared with April 2009. These airports reported 490,408 movements in April compared with 520,820 movements in April 2009.
- Itinerant movements (flights from one airport to another) decreased 2.5% (-8,820 movements) in April 2010 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) dropped by 12.8% (-21,592 movements) in April 2010 over the previous year.

**Table 1**  
**Distribution of aircraft movements at NAV CANADA Towers and Flight Service Stations**

	NAV CANADA towers	Percentage change, April 2009 to April 2010	NAV CANADA Flight Service Stations	Percentage change, April 2009 to April 2010	Total	Percentage change, April 2009 to April 2010
	number	percent	number	percent	number	percent
<b>Grand total</b>	<b>397,170</b>	<b>-4.6</b>	<b>93,238</b>	<b>-10.8</b>	<b>490,408</b>	<b>-5.8</b>
<b>Itinerant movements</b>						
Air carriers	209,636	0.5	50,013	-6.9	259,649	-1.0
Other commercial movements	30,989	-11.0	3,328	-23.8	34,317	-12.4
Private movements	27,680	-0.9	9,427	1.1	37,107	-0.4
Government civil movements	4,928	-11.8	2,066	-6.7	6,994	-10.3
Government military movements	3,624	0.6	1,147	-23.5	4,771	-6.5
Itinerant total	276,857	-1.3	65,981	-7.2	342,838	-2.5
<b>Local movements</b>						
Civil local movements	119,433	-11.2	26,743	-19.4	146,176	-12.8
Military local movements	880	-32.0	514	158.3	1,394	-6.6
Local total	120,313	-11.4	27,257	-18.3	147,570	-12.8

## Analysis

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Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.8% in April 2010 compared with April 2009. These airports reported 490,408 movements in April compared with 520,820 movements in April 2009.

Itinerant movements (flights from one airport to another) decreased 2.5% (-8,820 movements) in April 2010 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) dropped by 12.8% (-21,592 movements) in April 2010 over the previous year.

### **Airports with NAV CANADA air traffic control towers**

The 42 Canadian airports with NAV CANADA air traffic control towers reported 397,170 aircraft take-offs and landings in April 2010, down 4.6% (-19,173 movements) from April 2009. The variations ranged from an increase of 87.4% at Whitehorse International, Yukon to a decline of 38.2% at Boundary Bay, British Columbia. Year-over-year increases in the number of aircraft movements were reported by 18 of these airports in April 2010.

Itinerant movements (flights from one airport to another) decreased 1.3% (-3,690 movements) in April 2010 compared with the same month a year earlier. Year-over-year variations ranged from a 91.9% increase (+3,984 movements) at Toronto/Billy Bishop Toronto City, Ontario to a decline of 43.0% (-3,658 movements) at Boundary Bay, British Columbia.

Local movements (flights that remain in the vicinity of the airport) declined by 15,483 movements (-11.4%) in April 2010 compared with April 2009. Whitehorse International, Yukon recorded the largest gain, increasing by 1,244 movements (+158.1%) while Boundary Bay, British Columbia reported the largest decline with 3,589 fewer movements (-34.3%) compared with the previous year.

The Flight Service Station at Fredericton International, New Brunswick closed effective January 2010 and re-opened as an Air Traffic Control Tower. Fredericton International reported 8,415 movements in April 2010 compared with 7,641 movements reported for the Flight Service Station in April 2009, up 10.1%.

### **Airports with NAV CANADA flight service stations**

The 51 Canadian airports with NAV CANADA flight service stations reported 93,238 aircraft take-offs and landings in April 2010 down 10.8% (-11,239 movements) compared with April 2009. The variations ranged from an 85.9% increase (+801 movements) at Kenora, Ontario to a decline of 42.4% (-1,344 movements) at Campbell River, British Columbia. Year-over-year increases in aircraft movements were reported by 24 of these airports in April 2010.

Itinerant movements (flights from one airport to another) decreased 7.2% (-5,130 movements) in April 2010 compared with the same month a year earlier. Variations ranged from a 36.9% increase (+305 movements) at Kenora, Ontario to a decline of 33.8% (-672 movements) at Campbell River, British Columbia.

Local movements (flights that remain in the vicinity of the airport) recorded in April 2010 dropped by 18.3% (-6,109 movements) compared with the same month a year earlier. Montréal/Mirabel International, Quebec recorded the largest gain in local movements, reporting an increase of 878 movements (+145.6%). Grande Prairie, Alberta recorded the largest decline in local movements, reporting 940 fewer movements (-56.6%) compared with April 2009.



## Related products

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### Selected publications from Statistics Canada

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51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)
51-206-X	Canadian Civil Aviation
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

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### Selected CANSIM tables from Statistics Canada

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401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly
401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly

401-0019	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, monthly
401-0020	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0021	Monthly aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0022	Monthly itinerant movements, by weight group and type of power plant, airports without air traffic control towers
401-0023	Aircraft movements, by class of operation, airports with NAV CANADA towers, annual
401-0024	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, annual
401-0025	Itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0026	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, annual
401-0027	Itinerant movements, by type of power plant, airports with NAV CANADA towers, annual
401-0028	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA towers, annual
401-0029	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0030	Aircraft movements, by class of operation, airports with NAV CANADA flight service stations, annual
401-0031	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, annual
401-0032	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0033	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, annual
401-0034	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, annual
401-0035	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, annual
401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

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### **Selected surveys from Statistics Canada**

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2715	Aircraft Movement Statistics
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### **Selected summary tables from Statistics Canada**

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- *Aircraft movements by class of operation (monthly)*

# Statistical tables

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**Table 1-1**  
**Total aircraft movements by class of operation — NAV CANADA towers**

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	15	10,549	20	4,862	7	5,687
Boundary Bay	10	11,702	21	4,841	2	6,861
Calgary International	4	18,379	3	18,313	38	66
Calgary/Springbank	13	11,059	24	4,246	3	6,813
Chicoutimi/St-Honoré	22	8,410	34	3,020	9	5,390
Edmonton City Centre	31	5,734	18	4,890	31	844
Edmonton International	16	10,465	7	10,210	37	255
Edmonton/Villeneuve	32	5,265	38	2,026	17	3,239
Fort McMurray	28	5,881	28	3,870	23	2,011
Fredericton International	21	8,415	23	4,262	13	4,153
Gander International	42	2,253	41	1,563	33	690
Halifax/Robert L Stanfield International	25	7,023	12	6,740	36	283
Hamilton	37	3,929	33	3,089	32	840
Kelowna	23	7,300	22	4,273	18	3,027
Kitchener/Waterloo	18	9,548	19	4,870	11	4,678
Langley	27	6,587	31	3,170	16	3,417
London	8	12,402	14	6,300	5	6,102
Moncton/Greater Moncton International	19	9,501	15	5,802	14	3,699
Montréal/Pierre Elliott Trudeau International	5	18,122	4	18,122	0	0
Montréal/St-Hubert	3	18,614	9	8,336	1	10,278
Oshawa	35	4,953	35	2,506	21	2,447
Ottawa/Macdonald-Cartier International	6	14,145	5	11,330	19	2,815
Pitt Meadows	17	9,815	27	3,916	6	5,899
Prince George	33	5,242	36	2,442	20	2,800
Québec/Jean Lesage International	7	13,544	8	8,750	10	4,794
Regina International	34	5,044	30	3,605	28	1,439
Saskatoon/John G Diefenbaker International	24	7,199	16	5,207	24	1,992
Sault Ste. Marie	29	5,788	37	2,351	15	3,437
St. John's International	39	3,414	32	3,126	35	288
St-Jean	40	3,251	39	1,773	27	1,478
Thunder Bay	26	6,923	17	5,005	25	1,918
Toronto/Billy Bishop Toronto City	20	9,256	10	8,321	29	935
Toronto/Buttonville Municipal	9	11,792	13	6,329	8	5,463
Toronto/Lester B Pearson International	1	33,456	1	33,456	0	0
Vancouver Harbour	36	4,040	26	4,040	0	0
Vancouver International	2	23,526	2	23,526	0	0
Victoria International	11	11,192	11	6,840	12	4,352
Whitehorse International	38	3,624	40	1,593	22	2,031
Windsor	41	2,368	42	1,491	30	877
Winnipeg/James Armstrong Richardson International	12	11,062	6	10,524	34	538
Winnipeg/St. Andrews	14	10,625	29	3,832	4	6,793
Yellowknife	30	5,773	25	4,089	26	1,684
<b>Total of NAV CANADA towers (42)</b>	.	<b>397,170</b>	.	<b>276,857</b>	.	<b>120,313</b>

**Table 1-2**  
**Total aircraft movements by class of operation — NAV CANADA flight service stations**

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Brandon Municipal	19	2,054	25	1,226	11	828
Campbell River	23	1,829	22	1,319	19	510
Castlegar	21	1,934	29	1,136	12	798
Charlottetown	30	1,446	32	998	22	448
Churchill	43	875	41	856	45	19
Cranbrook	35	1,163	39	885	29	278
Deer Lake	32	1,308	23	1,276	44	32
Fort Nelson	26	1,715	19	1,417	27	298
Fort St John	14	2,422	13	1,634	13	788
Grande Prairie	6	3,176	4	2,454	15	722
High Level	33	1,286	33	982	26	304
Îles-de-la-Madeleine	51	322	50	322	0	0
Inuvik/Mike Zubko	41	1,002	35	926	37	76
Iqaluit	27	1,491	18	1,437	40	54
Kamloops	11	2,898	12	1,706	8	1,192
Kenora	25	1,734	31	1,132	17	602
Kingston	8	3,053	10	1,739	6	1,314
Kuujuuaq	42	976	34	932	42	44
La Grande Rivière	48	653	45	643	46	10
La Ronge	29	1,447	24	1,265	30	182
Lethbridge	22	1,868	27	1,158	16	710
Lloydminster	39	1,092	47	600	20	492
Medicine Hat	36	1,155	40	869	28	286
Mont-Joli	49	370	49	360	47	10
Montréal/Mirabel International	4	3,294	8	1,813	4	1,481
Nanaimo	7	3,097	7	1,882	7	1,215
Norman Wells	31	1,349	36	913	24	436
North Bay	1	4,739	9	1,775	1	2,964
Ottawa/Gatineau	2	3,769	14	1,599	2	2,170
Peace River	38	1,105	44	649	21	456
Penticton	3	3,341	20	1,397	3	1,944
Port Hardy	45	774	43	690	35	84
Prince Albert	24	1,801	16	1,487	25	314
Prince Rupert	50	340	51	294	41	46
Rankin Inlet	37	1,153	28	1,153	0	0
Red Deer Regional	12	2,684	15	1,494	9	1,190
Rouyn-Noranda	34	1,283	30	1,135	32	148
Saint John	28	1,478	17	1,445	43	33
Sept-Îles	15	2,274	11	1,732	18	542
Sioux Lookout	13	2,483	5	2,331	31	152
Smithers	47	686	48	556	34	130
St Catharines	16	2,254	26	1,184	10	1,070
Sudbury	5	3,243	3	2,800	23	443
Terrace	40	1,035	38	891	33	144
Thompson	9	3,035	1	2,959	36	76
Timmins	20	1,999	6	1,941	39	58
Val-d'Or	18	2,101	21	1,323	14	778
Victoria Harbour	10	2,929	2	2,929	0	0
Wabush	44	795	42	795	0	0
Whitecourt	17	2,224	37	908	5	1,316
Williams Lake	46	704	46	634	38	70
<b>Total of all flight service stations (51)</b>	.	<b>93,238</b>	.	<b>65,981</b>	.	<b>27,257</b>

**Table 2-1**  
**Total aircraft movements, civil and military — NAV CANADA towers**

	Civil movements			Military movements			
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Abbotsford	10,454	3,809	960	5,685	95	93	2
Boundary Bay	11,691	3,657	1,173	6,861	11	11	0
Calgary International	18,302	17,030	1,206	66	77	77	0
Calgary/Springbank	11,053	2,995	1,247	6,811	6	4	2
Chicoutimi/St-Honoré	8,396	2,749	267	5,380	14	4	10
Edmonton City Centre	5,709	3,750	1,123	836	25	17	8
Edmonton International	10,433	9,819	369	245	32	22	10
Edmonton/Villeneuve	4,796	1,292	265	3,239	469	469	0
Fort McMurray	5,877	3,442	428	2,007	4	0	4
Fredericton International	8,288	3,993	182	4,113	127	87	40
Gander International	1,970	1,099	279	592	283	185	98
Halifax/Robert L. Stanfield International	6,762	6,243	304	215	261	193	68
Hamilton	3,927	2,342	745	840	2	2	0
Kelowna	7,259	3,681	567	3,011	41	25	16
Kitchener/Waterloo	9,513	3,435	1,403	4,675	35	32	3
Langley	6,587	2,116	1,054	3,417	0	0	0
London	12,377	5,443	844	6,090	25	13	12
Moncton/Greater Moncton International	9,472	5,471	304	3,697	29	27	2
Montréal/Pierre Elliott Trudeau International	18,101	16,677	1,424	0	21	21	0
Montréal/St-Hubert	18,507	6,975	1,257	10,275	107	104	3
Oshawa	4,945	1,701	797	2,447	8	8	0
Ottawa/Macdonald-Cartier International	13,890	10,249	870	2,771	255	211	44
Pitt Meadows	9,764	2,795	1,070	5,899	51	51	0
Prince George	5,240	1,998	442	2,800	2	2	0
Québec/Jean Lesage International	13,284	6,669	1,821	4,794	260	260	0
Regina International	4,794	2,879	538	1,377	250	188	62
Saskatoon/John G. Diefenbaker International	7,111	4,226	907	1,978	88	74	14
Sault Ste. Marie	5,765	2,095	242	3,428	23	14	9
St. John's International	3,253	2,698	269	286	161	159	2
St-Jean	2,838	723	637	1,478	413	413	0
Thunder Bay	6,856	4,554	406	1,896	67	45	22
Toronto/Billy Bishop Toronto City	9,238	7,553	750	935	18	18	0
Toronto/Buttonville Municipal	11,792	3,753	2,576	5,463	0	0	0
Toronto/Lester B. Pearson International	33,439	32,222	1,217	0	17	17	0
Vancouver Harbour	4,031	4,018	13	0	9	9	0
Vancouver International	23,512	22,347	1,165	0	14	14	0
Victoria International	10,787	5,185	1,437	4,165	405	218	187
Whitehorse International	3,600	1,246	325	2,029	24	22	2
Windsor	2,368	1,138	353	877	0	0	0
Winnipeg/James Armstrong Richardson International	10,551	9,362	737	452	511	425	86
Winnipeg/St. Andrews	10,600	3,421	386	6,793	25	25	0
Yellowknife	5,534	3,775	249	1,510	239	65	174
<b>Total of NAV CANADA towers (42)</b>	<b>392,666</b>	<b>240,625</b>	<b>32,608</b>	<b>119,433</b>	<b>4,504</b>	<b>3,624</b>	<b>880</b>

**Table 2-2**  
**Total aircraft movements, civil and military — NAV CANADA flight service stations**

	Civil movements				Military movements		
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Brandon Municipal	1,676	508	354	814	378	364	14
Campbell River	1,816	936	370	510	13	13	0
Castlegar	1,912	1,038	76	798	22	22	0
Charlottetown	1,415	858	109	448	31	31	0
Churchill	875	798	58	19	0	0	0
Cranbrook	1,123	622	227	274	40	36	4
Deer Lake	1,296	1,221	43	32	12	12	0
Fort Nelson	1,685	1,252	135	298	30	30	0
Fort St John	2,412	1,337	287	788	10	10	0
Grande Prairie	3,172	2,015	435	722	4	4	0
High Level	1,286	917	65	304	0	0	0
Îles-de-la-Madeleine	318	287	31	0	4	4	0
Inuvik/Mike Zubko	978	878	24	76	24	24	0
Iqaluit	1,485	1,355	76	54	6	6	0
Kamloops	2,890	1,353	345	1,192	8	8	0
Kenora	1,560	911	133	516	174	88	86
Kingston	3,026	1,219	493	1,314	27	27	0
Kuujuuaq	976	902	30	44	0	0	0
La Grande Rivière	653	591	52	10	0	0	0
La Ronge	1,443	1,018	243	182	4	4	0
Lethbridge	1,816	731	405	680	52	22	30
Lloydminster	1,080	344	244	492	12	12	0
Medicine Hat	1,136	598	252	286	19	19	0
Mont-Joli	366	317	39	10	4	4	0
Montréal/Mirabel International	3,266	1,379	408	1,479	28	26	2
Nanaimo	2,682	1,041	766	875	415	75	340
Norman Wells	1,349	891	22	436	0	0	0
North Bay	4,662	1,247	461	2,954	77	67	10
Ottawa/Gatineau	3,761	758	833	2,170	8	8	0
Peace River	1,105	585	64	456	0	0	0
Penticton	3,276	1,036	296	1,944	65	65	0
Port Hardy	735	577	98	60	39	15	24
Prince Albert	1,793	1,257	222	314	8	8	0
Prince Rupert	340	257	37	46	0	0	0
Rankin Inlet	1,153	1,141	12	0	0	0	0
Red Deer Regional	2,676	1,010	480	1,186	8	4	4
Rouyn-Noranda	1,273	910	215	148	10	10	0
Saint John	1,432	1,022	377	33	46	46	0
Sept-Îles	2,260	1,573	145	542	14	14	0
Sioux Lookout	2,477	2,233	92	152	6	6	0
Smithers	682	475	77	130	4	4	0
St Catharines	2,250	812	368	1,070	4	4	0
Sudbury	3,219	2,225	551	443	24	24	0
Terrace	1,035	813	78	144	0	0	0
Thompson	3,035	2,754	205	76	0	0	0
Timmins	1,991	1,693	240	58	8	8	0
Val-d'Or	2,097	1,050	269	778	4	4	0
Victoria Harbour	2,924	2,535	389	0	5	5	0
Wabush	795	735	60	0	0	0	0
Whitecourt	2,218	832	70	1,316	6	6	0
Williams Lake	696	494	132	70	8	8	0
<b>Total of all flight service stations (51)</b>	<b>91,577</b>	<b>53,341</b>	<b>11,493</b>	<b>26,743</b>	<b>1,661</b>	<b>1,147</b>	<b>514</b>



**Table 3-1**  
**Itinerant movements by type of operator — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford	4,862	517	2,875	417	821	139	93
Boundary Bay	4,841	11	1,176	2,470	1,115	58	11
Calgary International	18,313	15,976	675	379	1,059	147	77
Calgary/Springbank	4,246	25	430	2,540	1,227	20	4
Chicoutimi/St-Honoré	3,020	648	68	2,033	257	10	4
Edmonton City Centre	4,890	1,508	637	1,605	740	383	17
Edmonton International	10,210	9,344	355	120	331	38	22
Edmonton/Villeneuve	2,026	2	321	969	263	2	469
Fort McMurray	3,870	1,592	1,609	241	389	39	0
Fredericton International	4,262	773	3,212	8	120	62	87
Gander International	1,563	526	564	9	191	88	185
Halifax/Robert L. Stanfield International	6,740	5,783	451	9	282	22	193
Hamilton	3,089	1,766	484	92	582	163	2
Kelowna	4,273	2,713	445	523	497	70	25
Kitchener/Waterloo	4,870	362	2,938	135	1,387	16	32
Langley	3,170	102	405	1,609	1,033	21	0
London	6,300	1,396	956	3,091	807	37	13
Moncton/Greater Moncton International	5,802	1,645	3,820	6	148	156	27
Montréal/Pierre Elliott Trudeau International	18,122	15,686	929	62	1,245	179	21
Montréal/St-Hubert	8,336	4,321	619	2,035	1,186	71	104
Oshawa	2,506	37	255	1,409	708	89	8
Ottawa/Macdonald-Cartier International	11,330	7,369	460	2,420	474	396	211
Pitt Meadows	3,916	18	1,360	1,417	1,035	35	51
Prince George	2,442	1,197	762	39	356	86	2
Québec/Jean Lesage International	8,750	4,201	2,238	230	1,285	536	260
Regina International	3,605	2,155	687	37	379	159	188
Saskatoon/John G. Diefenbaker International	5,207	2,936	955	335	574	333	74
Sault Ste. Marie	2,351	854	99	1,142	139	103	14
St. John's International	3,126	1,971	707	20	132	137	159
St-Jean	1,773	198	226	299	617	20	413
Thunder Bay	5,005	3,066	542	946	200	206	45
Toronto/Billy Bishop Toronto City	8,321	3,258	1,773	2,522	734	16	18
Toronto/Buttonville Municipal	6,329	347	3,219	187	2,556	20	0
Toronto/Lester B. Pearson International	33,456	31,648	553	21	1,205	12	17
Vancouver Harbour	4,040	3,777	239	2	9	4	9
Vancouver International	23,526	20,662	1,621	64	746	419	14
Victoria International	6,840	2,867	1,932	386	1,395	42	218
Whitehorse International	1,593	800	393	53	299	26	22
Windsor	1,491	477	597	64	314	39	0
Winnipeg/James Armstrong Richardson International	10,524	8,678	615	69	336	401	425
Winnipeg/St. Andrews	3,832	627	1,830	964	384	2	25
Yellowknife	4,089	3,328	437	10	123	126	65
<b>Total of NAV CANADA towers (42)</b>	<b>276,857</b>	<b>165,167</b>	<b>44,469</b>	<b>30,989</b>	<b>27,680</b>	<b>4,928</b>	<b>3,624</b>

**Table 3-2**  
**Itinerant movements by type of operator — NAV CANADA flight service stations**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Brandon Municipal	1,226	128	315	65	342	12	364
Campbell River	1,319	558	310	68	354	16	13
Castlegar	1,136	298	102	638	72	4	22
Charlottetown	998	628	120	110	93	16	31
Churchill	856	786	10	2	16	42	0
Cranbrook	885	527	61	34	221	6	36
Deer Lake	1,276	993	218	10	14	29	12
Fort Nelson	1,417	415	807	30	129	6	30
Fort St John	1,634	758	569	10	263	24	10
Grande Prairie	2,454	1,265	579	171	387	48	4
High Level	982	282	631	4	63	2	0
Îles-de-la-Madeleine	322	226	61	0	2	29	4
Inuvik/Mike Zubko	926	710	168	0	4	20	24
Iqaluit	1,437	1,258	95	2	40	36	6
Kamloops	1,706	1,007	302	44	285	60	8
Kenora	1,132	398	444	69	72	61	88
Kingston	1,739	492	321	406	457	36	27
Kuujuuaq	932	812	90	0	20	10	0
La Grande Rivière	643	495	94	2	34	18	0
La Ronge	1,265	927	76	15	33	210	4
Lethbridge	1,158	382	33	316	381	24	22
Lloydminster	600	108	215	21	226	18	12
Medicine Hat	869	428	151	19	242	10	19
Mont-Joli	360	287	18	12	23	16	4
Montréal/Mirabel International	1,813	911	282	186	408	0	26
Nanaimo	1,882	410	566	65	655	111	75
Norman Wells	913	718	171	2	10	12	0
North Bay	1,775	567	540	140	413	48	67
Ottawa/Gatineau	1,599	136	400	222	756	77	8
Peace River	649	324	257	4	51	13	0
Penticton	1,397	361	627	48	265	31	65
Port Hardy	690	497	74	6	43	55	15
Prince Albert	1,487	1,188	61	8	106	116	8
Prince Rupert	294	194	63	0	25	12	0
Rankin Inlet	1,153	999	118	24	4	8	0
Red Deer Regional	1,494	346	533	131	456	24	4
Rouyn-Noranda	1,135	665	137	108	190	25	10
Saint John	1,445	763	228	31	369	8	46
Sept-Îles	1,732	1,207	326	40	106	39	14
Sioux Lookout	2,331	1,793	440	0	54	38	6
Smithers	556	395	74	6	61	16	4
St Catharines	1,184	9	723	80	358	10	4
Sudbury	2,800	1,537	584	104	341	210	24
Terrace	891	549	264	0	49	29	0
Thompson	2,959	2,546	207	1	38	167	0
Timmins	1,941	1,467	216	10	142	98	8
Val-d'Or	1,323	784	256	10	237	32	4
Victoria Harbour	2,929	2,512	22	1	299	90	5
Wabush	795	695	40	0	48	12	0
Whitecourt	908	14	773	45	54	16	6
Williams Lake	634	436	50	8	116	16	8
<b>Total of all flight service stations (51)</b>	<b>65,981</b>	<b>36,191</b>	<b>13,822</b>	<b>3,328</b>	<b>9,427</b>	<b>2,066</b>	<b>1,147</b>

**Table 4-1**  
**Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements**  
**— NAV CANADA towers**

	Itinerant movements					Runway 88
	Total of IFR and VFR flights <sup>1</sup>	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	
Abbotsford	4,862	1,290	26.5	3,572	73.4	1,507
Boundary Bay	4,841	350	7.2	4,491	92.7	521
Calgary International	18,313	17,433	95.1	880	4.8	551
Calgary/Springbank	4,246	345	8.1	3,901	91.8	1,167
Chicoutimi/St-Honoré	3,020	222	7.3	2,798	92.6	44
Edmonton City Centre	4,890	2,287	46.7	2,603	53.2	1,139
Edmonton International	10,210	9,800	95.9	410	4.0	629
Edmonton/Villeneuve	2,026	35	1.7	1,991	98.2	123
Fort McMurray	3,870	1,951	50.4	1,919	49.5	238
Fredericton International	4,262	1,314	30.8	2,948	69.1	99
Gander International	1,563	1,086	69.4	477	30.5	53
Halifax/Robert L. Stanfield International	6,740	6,270	93.0	470	6.9	195
Hamilton	3,089	2,112	68.3	977	31.6	794
Kelowna	4,273	2,513	58.8	1,760	41.1	774
Kitchener/Waterloo	4,870	805	16.5	4,065	83.4	551
Langley	3,170	44	1.3	3,126	98.6	563
London	6,300	1,756	27.8	4,544	72.1	678
Moncton/Greater Moncton International	5,802	2,421	41.7	3,381	58.2	158
Montréal/Pierre Elliott Trudeau International	18,122	17,422	96.1	700	3.8	1,115
Montréal/St-Hubert	8,336	1,499	17.9	6,837	82.0	762
Oshawa	2,506	109	4.3	2,397	95.6	464
Ottawa/Macdonald-Cartier International	11,330	8,155	71.9	3,175	28.0	643
Pitt Meadows	3,916	27	0.6	3,889	99.3	1,582
Prince George	2,442	1,279	52.3	1,163	47.6	341
Québec/Jean Lesage International	8,750	5,038	57.5	3,712	42.4	763
Regina International	3,605	2,570	71.2	1,035	28.7	49
Saskatoon/John G. Diefenbaker International	5,207	3,597	69.0	1,610	30.9	177
Sault Ste. Marie	2,351	1,020	43.3	1,331	56.6	114
St. John's International	3,126	2,880	92.1	246	7.8	16
St-Jean	1,773	283	15.9	1,490	84.0	205
Thunder Bay	5,005	3,226	64.4	1,779	35.5	237
Toronto/Billy Bishop Toronto City	8,321	3,579	43.0	4,742	56.9	1,747
Toronto/Buttonville Municipal	6,329	735	11.6	5,594	88.3	931
Toronto/Lester B. Pearson International	33,456	33,310	99.5	146	0.4	69
Vancouver Harbour	4,040	49	1.2	3,991	98.7	1,433
Vancouver International	23,526	18,584	78.9	4,942	21.0	9,091
Victoria International	6,840	3,170	46.3	3,670	53.6	3,359
Whitehorse International	1,593	454	28.4	1,139	71.5	284
Windsor	1,491	599	40.1	892	59.8	68
Winnipeg/James Armstrong Richardson International	10,524	8,889	84.4	1,635	15.5	285
Winnipeg/St. Andrews	3,832	100	2.6	3,732	97.3	106
Yellowknife	4,089	2,291	56.0	1,798	43.9	223
<b>Total of NAV CANADA towers (42)</b>	<b>276,857</b>	<b>170,899</b>	<b>61.7</b>	<b>105,958</b>	<b>38.3</b>	<b>33,848</b>

1. Total excludes runway 88 flights.

**Table 4-2**  
**Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements — NAV CANADA flight service stations**

	Itinerant movements				Runway 88	
	Total of IFR and VFR flights <sup>1</sup>	Instrument flight rules	Percentage instrument flight rules	Visual flight rules		Percentage visual flight rules
	number		percent	number		percent
Brandon Municipal	1,226	240	19.5	986	80.4	36
Campbell River	1,319	436	33.0	883	66.9	206
Castlegar	1,136	310	27.2	826	72.7	149
Charlottetown	998	715	71.6	283	28.3	17
Churchill	856	775	90.5	81	9.4	11
Cranbrook	885	590	66.6	295	33.3	110
Deer Lake	1,276	1,177	92.2	99	7.7	9
Fort Nelson	1,417	437	30.8	980	69.1	110
Fort St John	1,634	786	48.1	848	51.8	103
Grande Prairie	2,454	1,413	57.5	1,041	42.4	143
High Level	982	192	19.5	790	80.4	244
Îles-de-la-Madeleine	322	263	81.6	59	18.3	57
Inuvik/Mike Zubko	926	339	36.6	587	63.3	12
Iqaluit	1,437	1,131	78.7	306	21.2	2
Kamloops	1,706	1,075	63.0	631	36.9	244
Kenora	1,132	446	39.3	686	60.6	164
Kingston	1,739	609	35.0	1,130	64.9	195
Kuujuuaq	932	426	45.7	506	54.2	12
La Grande Rivière	643	523	81.3	120	18.6	188
La Ronge	1,265	593	46.8	672	53.1	331
Lethbridge	1,158	526	45.4	632	54.5	54
Lloydminster	600	174	29.0	426	71.0	35
Medicine Hat	869	319	36.7	550	63.2	109
Mont-Joli	360	302	83.8	58	16.1	13
Montréal/Mirabel International	1,813	1,110	61.2	703	38.7	631
Nanaimo	1,882	579	30.7	1,303	69.2	761
Norman Wells	913	130	14.2	783	85.7	200
North Bay	1,775	689	38.8	1,086	61.1	379
Ottawa/Gatineau	1,599	196	12.2	1,403	87.7	239
Peace River	649	279	42.9	370	57.0	146
Penticton	1,397	308	22.0	1,089	77.9	132
Port Hardy	690	203	29.4	487	70.5	164
Prince Albert	1,487	1,189	79.9	298	20.0	50
Prince Rupert	294	208	70.7	86	29.2	16
Rankin Inlet	1,153	925	80.2	228	19.7	5
Red Deer Regional	1,494	423	28.3	1,071	71.6	338
Rouyn-Noranda	1,135	784	69.0	351	30.9	55
Saint John	1,445	1,014	70.1	431	29.8	24
Sept-Îles	1,732	1,305	75.3	427	24.6	225
Sioux Lookout	2,331	1,624	69.6	707	30.3	218
Smithers	556	377	67.8	179	32.1	189
St Catharines	1,184	80	6.7	1,104	93.2	279
Sudbury	2,800	1,661	59.3	1,139	40.6	103
Terrace	891	540	60.6	351	39.3	123
Thompson	2,959	1,789	60.4	1,170	39.5	37
Timmins	1,941	1,540	79.3	401	20.6	192
Val-d'Or	1,323	773	58.4	550	41.5	278
Victoria Harbour	2,929	58	1.9	2,871	98.0	379
Wabush	795	763	95.9	32	4.0	69
Whitecourt	908	60	6.6	848	93.3	130
Williams Lake	634	468	73.8	166	26.1	109
<b>Total of all flight service stations (51)</b>	<b>65,981</b>	<b>32,872</b>	<b>49.8</b>	<b>33,109</b>	<b>50.2</b>	<b>8,025</b>

1. Total excludes runway 88 flights.

**Table 5-1**  
**Itinerant movements by type of power plant — NAV CANADA towers**

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	4,862	461	819	2,615	949	18
Boundary Bay	4,841	7	51	4,486	297	0
Calgary International	18,313	12,664	4,590	540	519	0
Calgary/Springbank	4,246	24	60	3,679	483	0
Chicoutimi/St-Honoré	3,020	12	87	2,577	344	0
Edmonton City Centre	4,890	439	1,697	2,013	739	2
Edmonton International	10,210	6,700	3,059	407	44	0
Edmonton/Villeneuve	2,026	4	22	1,440	342	218
Fort McMurray	3,870	1,143	1,102	821	804	0
Fredericton International	4,262	281	659	3,174	148	0
Gander International	1,563	498	518	465	82	0
Halifax/Robert L. Stanfield International	6,740	3,752	2,261	329	398	0
Hamilton	3,089	1,250	758	969	112	0
Kelowna	4,273	1,470	1,052	1,385	366	0
Kitchener/Waterloo	4,870	181	375	3,912	402	0
Langley	3,170	0	103	2,415	652	0
London	6,300	537	1,240	4,315	208	0
Moncton/Greater Moncton International	5,802	923	914	3,898	67	0
Montréal/Pierre Elliott Trudeau International	18,122	12,080	5,345	528	169	0
Montréal/St-Hubert	8,336	236	786	6,910	404	0
Oshawa	2,506	4	45	2,348	109	0
Ottawa/Macdonald-Cartier International	11,330	5,540	2,659	2,762	369	0
Pitt Meadows	3,916	0	50	3,447	395	24
Prince George	2,442	517	876	440	609	0
Québec/Jean Lesage International	8,750	1,568	3,079	3,086	1,017	0
Regina International	3,605	1,748	619	1,194	44	0
Saskatoon/John G. Diefenbaker International	5,207	1,892	1,534	1,762	19	0
Sault Ste. Marie	2,351	23	1,014	1,277	37	0
St. John's International	3,126	1,217	1,535	20	354	0
St-Jean	1,773	8	86	1,433	38	208
Thunder Bay	5,005	781	2,629	1,156	439	0
Toronto/Billy Bishop Toronto City	8,321	0	3,471	4,413	437	0
Toronto/Buttonville Municipal	6,329	66	292	5,692	279	0
Toronto/Lester B. Pearson International	33,456	27,906	5,500	35	15	0
Vancouver Harbour	4,040	0	2,149	1,205	686	0
Vancouver International	23,526	11,434	8,387	2,818	887	0
Victoria International	6,840	1,024	2,062	3,351	403	0
Whitehorse International	1,593	293	460	502	338	0
Windsor	1,491	102	589	768	32	0
Winnipeg/James Armstrong Richardson International	10,524	4,885	4,218	1,313	108	0
Winnipeg/St. Andrews	3,832	0	581	3,034	215	2
Yellowknife	4,089	835	2,399	433	422	0
<b>Total of NAV CANADA towers (42)</b>	<b>276,857</b>	<b>102,505</b>	<b>69,732</b>	<b>89,367</b>	<b>14,781</b>	<b>472</b>

**Table 5-2**  
**Itinerant movements by type of power plant — NAV CANADA flight service stations**

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,226	14	235	782	54	141
Campbell River	1,319	22	588	388	321	0
Castlegar	1,136	16	319	705	96	0
Charlottetown	998	259	319	379	41	0
Churchill	856	4	810	36	6	0
Cranbrook	885	35	558	278	14	0
Deer Lake	1,276	216	963	44	53	0
Fort Nelson	1,417	69	388	178	782	0
Fort St John	1,634	267	565	407	395	0
Grande Prairie	2,454	216	1,130	734	374	0
High Level	982	4	441	346	191	0
Îles-de-la-Madeleine	322	8	251	63	0	0
Inuvik/Mike Zubko	926	121	540	97	168	0
Iqaluit	1,437	375	1,008	6	48	0
Kamloops	1,706	143	942	373	248	0
Kenora	1,132	11	542	276	303	0
Kingston	1,739	20	551	1,110	58	0
Kuujuuaq	932	112	732	26	62	0
La Grande Rivière	643	48	569	24	2	0
La Ronge	1,265	4	986	243	32	0
Lethbridge	1,158	47	419	668	24	0
Lloydminster	600	4	149	422	25	0
Medicine Hat	869	18	417	322	112	0
Mont-Joli	360	10	293	41	16	0
Montréal/Mirabel International	1,813	515	378	623	297	0
Nanaimo	1,882	48	440	1,265	115	14
Norman Wells	913	125	303	314	171	0
North Bay	1,775	53	724	420	565	13
Ottawa/Gatineau	1,599	15	178	1,174	232	0
Peace River	649	8	295	106	240	0
Penticton	1,397	32	345	624	396	0
Port Hardy	690	2	455	111	122	0
Prince Albert	1,487	7	1,232	185	63	0
Prince Rupert	294	24	190	4	76	0
Rankin Inlet	1,153	164	843	62	84	0
Red Deer Regional	1,494	46	465	943	40	0
Rouyn-Noranda	1,135	77	790	244	24	0
Saint John	1,445	319	607	394	125	0
Sept-Îles	1,732	26	1,227	273	206	0
Sioux Lookout	2,331	0	1,917	394	20	0
Smithers	556	8	432	63	53	0
St Catharines	1,184	13	16	938	217	0
Sudbury	2,800	17	1,889	559	335	0
Terrace	891	16	566	47	262	0
Thompson	2,959	18	2,421	347	173	0
Timmins	1,941	4	1,661	173	103	0
Val-d'Or	1,323	82	749	359	133	0
Victoria Harbour	2,929	0	2,037	275	617	0
Wabush	795	16	692	61	26	0
Whitecourt	908	7	73	95	733	0
Williams Lake	634	13	451	111	59	0
<b>Total of all flight service stations (51)</b>	<b>65,981</b>	<b>3,698</b>	<b>35,091</b>	<b>18,112</b>	<b>8,912</b>	<b>168</b>

**Table 6-1**  
**Itinerant movements by aircraft weight group — NAV CANADA towers**

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	2,801	584	326	209	62	448	427	3	0	2
Boundary Bay	4,344	388	98	5	6	0	0	0	0	0
Calgary International	680	485	1,166	1,764	1,086	4,104	7,662	411	207	748
Calgary/Springbank	3,772	355	102	11	6	0	0	0	0	0
Chicoutimi/St-Honoré	2,483	435	90	8	0	4	0	0	0	0
Edmonton City Centre	2,305	525	1,361	555	115	29	0	0	0	0
Edmonton International	335	185	390	888	401	2,445	5,082	140	167	177
Edmonton/Villeneuve	1,897	73	56	0	0	0	0	0	0	0
Fort McMurray	1,418	454	313	497	77	639	472	0	0	0
Fredericton International	3,076	166	315	38	331	290	34	0	2	10
Gander International	346	15	65	409	216	289	65	94	2	62
Halifax/Robert L. Stanfield International	160	215	324	900	943	1,522	2,046	294	129	207
Hamilton	860	571	198	313	159	23	390	0	492	83
Kelowna	1,564	154	257	563	36	693	982	6	18	0
Kitchener/Waterloo	4,027	290	341	55	71	30	54	2	0	0
Langley	2,960	178	29	0	3	0	0	0	0	0
London	4,330	360	373	33	467	569	166	2	0	0
Moncton/Greater Moncton International	3,797	191	295	356	122	308	452	1	271	9
Montréal/Pierre Elliott Trudeau International	529	157	556	844	2,753	5,850	4,561	1,668	2	1,202
Montréal/St-Hubert	6,562	645	749	231	130	2	10	5	2	0
Oshawa	2,260	193	43	0	6	0	0	4	0	0
Ottawa/Macdonald-Cartier International	2,696	246	1,030	185	699	2,892	2,902	414	42	224
Pitt Meadows	3,709	170	34	3	0	0	0	0	0	0
Prince George	864	154	278	569	12	375	190	0	0	0
Québec/Jean Lesage International	3,072	767	926	347	1,040	1,759	677	0	0	162
Regina International	947	303	327	328	32	950	608	0	95	15
Saskatoon/John G. Diefenbaker International	1,486	325	675	549	190	1,298	642	0	42	0
Sault Ste. Marie	1,259	145	491	67	206	183	0	0	0	0
St. John's International	25	21	223	593	789	388	751	221	78	37
St-Jean	1,513	147	111	0	0	0	0	2	0	0
Thunder Bay	1,185	264	2,119	360	30	561	476	10	0	0
Toronto/Billy Bishop Toronto City	4,369	264	609	48	0	3,029	0	2	0	0
Toronto/Buttonville Municipal	5,551	475	211	56	22	12	2	0	0	0
Toronto/Lester B. Pearson International	14	143	305	2,159	3,492	7,079	13,501	3,511	233	3,019
Vancouver Harbour	58	2,837	1,137	0	8	0	0	0	0	0
Vancouver International	864	3,662	821	2,595	1,564	4,829	5,803	1,038	402	1,948
Victoria International	2,834	969	133	373	817	1,135	481	64	34	0
Whitehorse International	710	188	192	71	12	297	123	0	0	0
Windsor	714	234	69	77	355	34	6	0	2	0
Winnipeg/James Armstrong Richardson International	797	434	3,027	360	892	1,824	2,328	170	616	76
Winnipeg/St. Andrews	2,976	625	227	2	0	0	0	2	0	0
Yellowknife	511	538	788	239	215	858	689	251	0	0
<b>Total of NAV CANADA towers (42)</b>	<b>86,660</b>	<b>19,530</b>	<b>21,180</b>	<b>16,660</b>	<b>17,365</b>	<b>44,748</b>	<b>51,582</b>	<b>8,315</b>	<b>2,836</b>	<b>7,981</b>

**Table 6-2**  
**Itinerant movements by aircraft weight group — NAV CANADA flight service stations**

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Brandon Municipal	855	83	248	16	14	0	0	10	0	0
Campbell River	607	100	45	467	92	6	2	0	0	0
Castlegar	742	55	40	66	64	169	0	0	0	0
Charlottetown	265	136	28	176	85	240	66	2	0	0
Churchill	14	28	133	114	175	364	4	24	0	0
Cranbrook	252	34	87	284	76	150	2	0	0	0
Deer Lake	47	38	38	322	607	134	88	2	0	0
Fort Nelson	778	67	199	205	138	20	10	0	0	0
Fort St John	749	30	170	315	134	236	0	0	0	0
Grande Prairie	885	206	430	272	175	312	172	2	0	0
High Level	420	312	129	117	4	0	0	0	0	0
Îles-de-la-Madeleine	2	101	32	30	139	14	4	0	0	0
Inuvik/Mike Zubko	224	21	506	2	2	72	97	2	0	0
Iqaluit	19	2	445	53	215	380	260	12	0	51
Kamloops	483	85	120	308	130	473	107	0	0	0
Kenora	332	82	610	17	32	49	0	10	0	0
Kingston	1,088	49	116	382	83	15	0	6	0	0
Kuujuuaq	72	16	559	4	106	73	86	0	0	16
La Grande Rivière	22	4	121	6	70	380	40	0	0	0
La Ronge	106	155	468	66	222	248	0	0	0	0
Lethbridge	573	125	116	282	51	7	4	0	0	0
Lloydminster	395	47	65	85	8	0	0	0	0	0
Medicine Hat	418	11	193	246	1	0	0	0	0	0
Mont-Joli	35	22	86	98	115	4	0	0	0	0
Montréal/Mirabel International	694	249	76	104	23	215	33	2	282	135
Nanaimo	887	478	88	51	70	308	0	0	0	0
Norman Wells	277	222	255	4	0	34	121	0	0	0
North Bay	913	152	340	55	195	96	12	12	0	0
Ottawa/Gatineau	1,249	127	175	35	9	2	0	2	0	0
Peace River	231	69	309	24	12	4	0	0	0	0
Penticton	980	32	37	138	10	198	2	0	0	0
Port Hardy	70	128	274	76	131	9	2	0	0	0
Prince Albert	146	86	296	270	263	426	0	0	0	0
Prince Rupert	16	51	25	28	58	116	0	0	0	0
Rankin Inlet	104	51	294	159	190	193	160	2	0	0
Red Deer Regional	834	122	261	166	16	28	65	2	0	0
Rouyn-Noranda	254	10	408	16	211	185	51	0	0	0
Saint John	311	198	151	255	207	285	38	0	0	0
Sept-Îles	282	182	479	289	364	126	4	6	0	0
Sioux Lookout	183	266	1,259	607	2	14	0	0	0	0
Smithers	100	31	75	183	59	108	0	0	0	0
St Catharines	1,086	60	27	5	6	0	0	0	0	0
Sudbury	427	445	1,275	97	148	402	0	6	0	0
Terrace	260	39	132	154	132	174	0	0	0	0
Thompson	203	472	1,484	21	180	559	0	40	0	0
Timmins	179	237	842	105	372	206	0	0	0	0
Val-d'Or	427	50	346	12	301	121	22	2	0	42
Victoria Harbour	34	1,874	1,011	2	8	0	0	0	0	0
Wabush	18	67	227	155	326	2	0	0	0	0
Whitecourt	753	27	89	11	2	14	12	0	0	0
Williams Lake	147	18	38	421	7	0	3	0	0	0
<b>Total of all flight service stations (51)</b>	<b>20,448</b>	<b>7,552</b>	<b>15,257</b>	<b>7,376</b>	<b>6,040</b>	<b>7,171</b>	<b>1,467</b>	<b>144</b>	<b>282</b>	<b>244</b>



**Table 7-1**  
**Itinerant movements, domestic, transborder and international — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Abbotsford</b>							
Domestic	4,804	506	2,860	417	796	134	91
Transborder	33	2	9	0	22	0	0
Other international	25	9	6	0	3	5	2
<b>Total</b>	<b>4,862</b>	<b>517</b>	<b>2,875</b>	<b>417</b>	<b>821</b>	<b>139</b>	<b>93</b>
<b>Boundary Bay</b>							
Domestic	4,786	9	1,172	2,465	1,072	57	11
Transborder	50	2	4	5	39	0	0
Other international	5	0	0	0	4	1	0
<b>Total</b>	<b>4,841</b>	<b>11</b>	<b>1,176</b>	<b>2,470</b>	<b>1,115</b>	<b>58</b>	<b>11</b>
<b>Calgary International</b>							
Domestic	14,237	12,262	607	375	775	147	71
Transborder	3,412	3,071	59	3	274	0	5
Other international	664	643	9	1	10	0	1
<b>Total</b>	<b>18,313</b>	<b>15,976</b>	<b>675</b>	<b>379</b>	<b>1,059</b>	<b>147</b>	<b>77</b>
<b>Calgary/Springbank</b>							
Domestic	4,146	24	419	2,522	1,159	20	2
Transborder	55	0	3	5	45	0	2
Other international	45	1	8	13	23	0	0
<b>Total</b>	<b>4,246</b>	<b>25</b>	<b>430</b>	<b>2,540</b>	<b>1,227</b>	<b>20</b>	<b>4</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	3,018	647	68	2,033	256	10	4
Transborder	1	0	0	0	1	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>3,020</b>	<b>648</b>	<b>68</b>	<b>2,033</b>	<b>257</b>	<b>10</b>	<b>4</b>
<b>Edmonton City Centre</b>							
Domestic	4,800	1,484	629	1,600	690	380	17
Transborder	35	21	1	0	12	1	0
Other international	55	3	7	5	38	2	0
<b>Total</b>	<b>4,890</b>	<b>1,508</b>	<b>637</b>	<b>1,605</b>	<b>740</b>	<b>383</b>	<b>17</b>
<b>Edmonton International</b>							
Domestic	8,375	7,589	340	113	277	37	19
Transborder	1,560	1,514	4	0	41	0	1
Other international	275	241	11	7	13	1	2
<b>Total</b>	<b>10,210</b>	<b>9,344</b>	<b>355</b>	<b>120</b>	<b>331</b>	<b>38</b>	<b>22</b>
<b>Edmonton/Villeneuve</b>							
Domestic	2,015	2	320	968	256	2	467
Transborder	2	0	0	0	2	0	0
Other international	9	0	1	1	5	0	2
<b>Total</b>	<b>2,026</b>	<b>2</b>	<b>321</b>	<b>969</b>	<b>263</b>	<b>2</b>	<b>469</b>
<b>Fort McMurray</b>							
Domestic	3,669	1,583	1,441	239	367	39	0
Transborder	5	1	0	0	4	0	0
Other international	196	8	168	2	18	0	0
<b>Total</b>	<b>3,870</b>	<b>1,592</b>	<b>1,609</b>	<b>241</b>	<b>389</b>	<b>39</b>	<b>0</b>
<b>Fredericton International</b>							
Domestic	4,204	738	3,207	8	106	62	83
Transborder	22	5	3	0	12	0	2
Other international	36	30	2	0	2	0	2
<b>Total</b>	<b>4,262</b>	<b>773</b>	<b>3,212</b>	<b>8</b>	<b>120</b>	<b>62</b>	<b>87</b>
<b>Gander International</b>							
Domestic	1,136	393	562	0	22	88	71
Transborder	197	58	1	2	82	0	54
Other international	230	75	1	7	87	0	60
<b>Total</b>	<b>1,563</b>	<b>526</b>	<b>564</b>	<b>9</b>	<b>191</b>	<b>88</b>	<b>185</b>

Table 7-1 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Halifax/Robert L Stanfield International</b>							
Domestic	5,376	4,539	441	6	200	20	170
Transborder	884	805	6	2	58	1	12
Other international	480	439	4	1	24	1	11
<b>Total</b>	<b>6,740</b>	<b>5,783</b>	<b>451</b>	<b>9</b>	<b>282</b>	<b>22</b>	<b>193</b>
<b>Hamilton</b>							
Domestic	2,517	1,337	459	92	465	162	2
Transborder	540	405	23	0	111	1	0
Other international	32	24	2	0	6	0	0
<b>Total</b>	<b>3,089</b>	<b>1,766</b>	<b>484</b>	<b>92</b>	<b>582</b>	<b>163</b>	<b>2</b>
<b>Kelowna</b>							
Domestic	3,976	2,475	440	523	443	70	25
Transborder	259	202	5	0	52	0	0
Other international	38	36	0	0	2	0	0
<b>Total</b>	<b>4,273</b>	<b>2,713</b>	<b>445</b>	<b>523</b>	<b>497</b>	<b>70</b>	<b>25</b>
<b>Kitchener/Waterloo</b>							
Domestic	4,665	311	2,911	134	1,261	16	32
Transborder	204	50	27	1	126	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>4,870</b>	<b>362</b>	<b>2,938</b>	<b>135</b>	<b>1,387</b>	<b>16</b>	<b>32</b>
<b>Langley</b>							
Domestic	3,164	102	405	1,608	1,029	20	0
Transborder	3	0	0	1	2	0	0
Other international	3	0	0	0	2	1	0
<b>Total</b>	<b>3,170</b>	<b>102</b>	<b>405</b>	<b>1,609</b>	<b>1,033</b>	<b>21</b>	<b>0</b>
<b>London</b>							
Domestic	5,829	1,031	952	3,084	713	36	13
Transborder	460	363	4	5	87	1	0
Other international	11	2	0	2	7	0	0
<b>Total</b>	<b>6,300</b>	<b>1,396</b>	<b>956</b>	<b>3,091</b>	<b>807</b>	<b>37</b>	<b>13</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	5,664	1,524	3,817	6	137	153	27
Transborder	75	61	3	0	10	1	0
Other international	63	60	0	0	1	2	0
<b>Total</b>	<b>5,802</b>	<b>1,645</b>	<b>3,820</b>	<b>6</b>	<b>148</b>	<b>156</b>	<b>27</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	9,808	8,066	710	42	797	179	14
Transborder	6,155	5,561	188	8	397	0	1
Other international	2,159	2,059	31	12	51	0	6
<b>Total</b>	<b>18,122</b>	<b>15,686</b>	<b>929</b>	<b>62</b>	<b>1,245</b>	<b>179</b>	<b>21</b>
<b>Montréal/St-Hubert</b>							
Domestic	8,150	4,286	615	2,033	1,041	71	104
Transborder	160	30	2	0	128	0	0
Other international	26	5	2	2	17	0	0
<b>Total</b>	<b>8,336</b>	<b>4,321</b>	<b>619</b>	<b>2,035</b>	<b>1,186</b>	<b>71</b>	<b>104</b>
<b>Oshawa</b>							
Domestic	2,470	36	254	1,401	682	89	8
Transborder	27	1	1	8	17	0	0
Other international	9	0	0	0	9	0	0
<b>Total</b>	<b>2,506</b>	<b>37</b>	<b>255</b>	<b>1,409</b>	<b>708</b>	<b>89</b>	<b>8</b>
<b>Ottawa/Macdonald-Cartier International</b>							
Domestic	9,063	5,304	418	2,410	379	377	175
Transborder	2,018	1,829	39	10	94	19	27
Other international	249	236	3	0	1	0	9
<b>Total</b>	<b>11,330</b>	<b>7,369</b>	<b>460</b>	<b>2,420</b>	<b>474</b>	<b>396</b>	<b>211</b>

Table 7-1 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Pitt Meadows</b>							
Domestic	3,903	18	1,360	1,417	1,022	35	51
Transborder	12	0	0	0	12	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>3,916</b>	<b>18</b>	<b>1,360</b>	<b>1,417</b>	<b>1,035</b>	<b>35</b>	<b>51</b>
<b>Prince George</b>							
Domestic	2,427	1,189	762	39	349	86	2
Transborder	6	0	0	0	6	0	0
Other international	9	8	0	0	1	0	0
<b>Total</b>	<b>2,442</b>	<b>1,197</b>	<b>762</b>	<b>39</b>	<b>356</b>	<b>86</b>	<b>2</b>
<b>Québec/Jean Lesage International</b>							
Domestic	7,893	3,408	2,237	230	1,225	535	258
Transborder	547	488	0	0	58	0	1
Other international	310	305	1	0	2	1	1
<b>Total</b>	<b>8,750</b>	<b>4,201</b>	<b>2,238</b>	<b>230</b>	<b>1,285</b>	<b>536</b>	<b>260</b>
<b>Regina International</b>							
Domestic	3,114	1,744	676	33	318	159	184
Transborder	446	369	11	4	58	0	4
Other international	45	42	0	0	3	0	0
<b>Total</b>	<b>3,605</b>	<b>2,155</b>	<b>687</b>	<b>37</b>	<b>379</b>	<b>159</b>	<b>188</b>
<b>Saskatoon/John G Diefenbaker International</b>							
Domestic	4,766	2,542	947	333	537	333	74
Transborder	409	363	8	1	37	0	0
Other international	32	31	0	1	0	0	0
<b>Total</b>	<b>5,207</b>	<b>2,936</b>	<b>955</b>	<b>335</b>	<b>574</b>	<b>333</b>	<b>74</b>
<b>Sault Ste. Marie</b>							
Domestic	2,330	851	99	1,140	126	100	14
Transborder	19	3	0	2	13	1	0
Other international	2	0	0	0	0	2	0
<b>Total</b>	<b>2,351</b>	<b>854</b>	<b>99</b>	<b>1,142</b>	<b>139</b>	<b>103</b>	<b>14</b>
<b>St. John's International</b>							
Domestic	2,713	1,777	699	3	70	137	27
Transborder	169	71	3	5	28	0	62
Other international	244	123	5	12	34	0	70
<b>Total</b>	<b>3,126</b>	<b>1,971</b>	<b>707</b>	<b>20</b>	<b>132</b>	<b>137</b>	<b>159</b>
<b>St-Jean</b>							
Domestic	1,772	198	226	299	616	20	413
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,773</b>	<b>198</b>	<b>226</b>	<b>299</b>	<b>617</b>	<b>20</b>	<b>413</b>
<b>Thunder Bay</b>							
Domestic	4,902	2,992	541	944	176	205	44
Transborder	93	66	1	2	23	0	1
Other international	10	8	0	0	1	1	0
<b>Total</b>	<b>5,005</b>	<b>3,066</b>	<b>542</b>	<b>946</b>	<b>200</b>	<b>206</b>	<b>45</b>
<b>Toronto/Billy Bishop Toronto City</b>							
Domestic	7,178	2,275	1,751	2,516	602	16	18
Transborder	1,128	983	17	2	126	0	0
Other international	15	0	5	4	6	0	0
<b>Total</b>	<b>8,321</b>	<b>3,258</b>	<b>1,773</b>	<b>2,522</b>	<b>734</b>	<b>16</b>	<b>18</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	6,149	324	3,198	186	2,422	19	0
Transborder	171	23	16	1	130	1	0
Other international	9	0	5	0	4	0	0
<b>Total</b>	<b>6,329</b>	<b>347</b>	<b>3,219</b>	<b>187</b>	<b>2,556</b>	<b>20</b>	<b>0</b>

Table 7-1 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Toronto/Lester B Pearson International</b>							
Domestic	13,822	13,077	276	12	433	12	12
Transborder	15,157	14,179	234	6	736	0	2
Other international	4,477	4,392	43	3	36	0	3
<b>Total</b>	<b>33,456</b>	<b>31,648</b>	<b>553</b>	<b>21</b>	<b>1,205</b>	<b>12</b>	<b>17</b>
<b>Vancouver Harbour</b>							
Domestic	4,035	3,775	237	2	9	4	8
Transborder	0	0	0	0	0	0	0
Other international	5	2	2	0	0	0	1
<b>Total</b>	<b>4,040</b>	<b>3,777</b>	<b>239</b>	<b>2</b>	<b>9</b>	<b>4</b>	<b>9</b>
<b>Vancouver International</b>							
Domestic	17,768	15,301	1,593	50	500	310	14
Transborder	4,352	4,079	23	12	236	2	0
Other international	1,406	1,282	5	2	10	107	0
<b>Total</b>	<b>23,526</b>	<b>20,662</b>	<b>1,621</b>	<b>64</b>	<b>746</b>	<b>419</b>	<b>14</b>
<b>Victoria International</b>							
Domestic	6,146	2,372	1,916	380	1,221	41	216
Transborder	649	471	12	4	161	0	1
Other international	45	24	4	2	13	1	1
<b>Total</b>	<b>6,840</b>	<b>2,867</b>	<b>1,932</b>	<b>386</b>	<b>1,395</b>	<b>42</b>	<b>218</b>
<b>Whitehorse International</b>							
Domestic	1,533	790	389	52	261	26	15
Transborder	59	10	3	1	38	0	7
Other international	1	0	1	0	0	0	0
<b>Total</b>	<b>1,593</b>	<b>800</b>	<b>393</b>	<b>53</b>	<b>299</b>	<b>26</b>	<b>22</b>
<b>Windsor</b>							
Domestic	1,378	455	571	63	250	39	0
Transborder	105	22	23	1	59	0	0
Other international	8	0	3	0	5	0	0
<b>Total</b>	<b>1,491</b>	<b>477</b>	<b>597</b>	<b>64</b>	<b>314</b>	<b>39</b>	<b>0</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	9,200	7,488	599	54	250	396	413
Transborder	1,231	1,101	16	15	86	5	8
Other international	93	89	0	0	0	0	4
<b>Total</b>	<b>10,524</b>	<b>8,678</b>	<b>615</b>	<b>69</b>	<b>336</b>	<b>401</b>	<b>425</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	3,821	625	1,828	963	378	2	25
Transborder	10	2	1	1	6	0	0
Other international	1	0	1	0	0	0	0
<b>Total</b>	<b>3,832</b>	<b>627</b>	<b>1,830</b>	<b>964</b>	<b>384</b>	<b>2</b>	<b>25</b>
<b>Yellowknife</b>							
Domestic	3,911	3,203	393	10	114	126	65
Transborder	1	1	0	0	0	0	0
Other international	177	124	44	0	9	0	0
<b>Total</b>	<b>4,089</b>	<b>3,328</b>	<b>437</b>	<b>10</b>	<b>123</b>	<b>126</b>	<b>65</b>
<b>Total of NAV CANADA towers (42)</b>							
Domestic	224,633	118,652	43,345	30,805	23,802	4,770	3,259
Transborder	40,722	36,212	750	107	3,430	33	190
Other international	11,502	10,303	374	77	448	125	175
<b>Total</b>	<b>276,857</b>	<b>165,167</b>	<b>44,469</b>	<b>30,989</b>	<b>27,680</b>	<b>4,928</b>	<b>3,624</b>

**Table 7-2**  
**Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Brandon Municipal</b>							
Domestic	1,211	128	315	65	331	12	360
Transborder	15	0	0	0	11	0	4
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,226</b>	<b>128</b>	<b>315</b>	<b>65</b>	<b>342</b>	<b>12</b>	<b>364</b>
<b>Campbell River</b>							
Domestic	1,289	556	309	66	329	16	13
Transborder	30	2	1	2	25	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,319</b>	<b>558</b>	<b>310</b>	<b>68</b>	<b>354</b>	<b>16</b>	<b>13</b>
<b>Castlegar</b>							
Domestic	1,126	298	102	638	62	4	22
Transborder	10	0	0	0	10	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,136</b>	<b>298</b>	<b>102</b>	<b>638</b>	<b>72</b>	<b>4</b>	<b>22</b>
<b>Charlottetown</b>							
Domestic	971	609	120	110	85	16	31
Transborder	14	6	0	0	8	0	0
Other international	13	13	0	0	0	0	0
<b>Total</b>	<b>998</b>	<b>628</b>	<b>120</b>	<b>110</b>	<b>93</b>	<b>16</b>	<b>31</b>
<b>Churchill</b>							
Domestic	855	785	10	2	16	42	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>856</b>	<b>786</b>	<b>10</b>	<b>2</b>	<b>16</b>	<b>42</b>	<b>0</b>
<b>Cranbrook</b>							
Domestic	876	527	59	34	214	6	36
Transborder	9	0	2	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>885</b>	<b>527</b>	<b>61</b>	<b>34</b>	<b>221</b>	<b>6</b>	<b>36</b>
<b>Deer Lake</b>							
Domestic	1,275	993	217	10	14	29	12
Transborder	0	0	0	0	0	0	0
Other international	1	0	1	0	0	0	0
<b>Total</b>	<b>1,276</b>	<b>993</b>	<b>218</b>	<b>10</b>	<b>14</b>	<b>29</b>	<b>12</b>
<b>Fort Nelson</b>							
Domestic	1,416	414	807	30	129	6	30
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,417</b>	<b>415</b>	<b>807</b>	<b>30</b>	<b>129</b>	<b>6</b>	<b>30</b>
<b>Fort St John</b>							
Domestic	1,631	758	569	10	260	24	10
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,634</b>	<b>758</b>	<b>569</b>	<b>10</b>	<b>263</b>	<b>24</b>	<b>10</b>
<b>Grande Prairie</b>							
Domestic	2,454	1,265	579	171	387	48	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,454</b>	<b>1,265</b>	<b>579</b>	<b>171</b>	<b>387</b>	<b>48</b>	<b>4</b>
<b>High Level</b>							
Domestic	982	282	631	4	63	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>982</b>	<b>282</b>	<b>631</b>	<b>4</b>	<b>63</b>	<b>2</b>	<b>0</b>

Table 7-2 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
number								
<b>Îles-de-la-Madeleine</b>								
Domestic	322	226	61	0	2	29	4	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>322</b>	<b>226</b>	<b>61</b>	<b>0</b>	<b>2</b>	<b>29</b>	<b>4</b>	
<b>Inuvik/Mike Zubko</b>								
Domestic	924	710	168	0	2	20	24	
Transborder	2	0	0	0	2	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>926</b>	<b>710</b>	<b>168</b>	<b>0</b>	<b>4</b>	<b>20</b>	<b>24</b>	
<b>Iqaluit</b>								
Domestic	1,366	1,217	93	1	15	36	4	
Transborder	14	6	0	0	8	0	0	
Other international	57	35	2	1	17	0	2	
<b>Total</b>	<b>1,437</b>	<b>1,258</b>	<b>95</b>	<b>2</b>	<b>40</b>	<b>36</b>	<b>6</b>	
<b>Kamloops</b>								
Domestic	1,693	1,005	301	44	275	60	8	
Transborder	13	2	1	0	10	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,706</b>	<b>1,007</b>	<b>302</b>	<b>44</b>	<b>285</b>	<b>60</b>	<b>8</b>	
<b>Kenora</b>								
Domestic	1,124	398	441	69	70	61	85	
Transborder	8	0	3	0	2	0	3	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,132</b>	<b>398</b>	<b>444</b>	<b>69</b>	<b>72</b>	<b>61</b>	<b>88</b>	
<b>Kingston</b>								
Domestic	1,716	490	318	406	439	36	27	
Transborder	21	2	3	0	16	0	0	
Other international	2	0	0	0	2	0	0	
<b>Total</b>	<b>1,739</b>	<b>492</b>	<b>321</b>	<b>406</b>	<b>457</b>	<b>36</b>	<b>27</b>	
<b>Kuujuuaq</b>								
Domestic	929	812	89	0	18	10	0	
Transborder	0	0	0	0	0	0	0	
Other international	3	0	1	0	2	0	0	
<b>Total</b>	<b>932</b>	<b>812</b>	<b>90</b>	<b>0</b>	<b>20</b>	<b>10</b>	<b>0</b>	
<b>La Grande Rivière</b>								
Domestic	643	495	94	2	34	18	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>643</b>	<b>495</b>	<b>94</b>	<b>2</b>	<b>34</b>	<b>18</b>	<b>0</b>	
<b>La Ronge</b>								
Domestic	1,265	927	76	15	33	210	4	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,265</b>	<b>927</b>	<b>76</b>	<b>15</b>	<b>33</b>	<b>210</b>	<b>4</b>	
<b>Lethbridge</b>								
Domestic	1,080	379	32	315	310	24	20	
Transborder	78	3	1	1	71	0	2	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>1,158</b>	<b>382</b>	<b>33</b>	<b>316</b>	<b>381</b>	<b>24</b>	<b>22</b>	
<b>Lloydminster</b>								
Domestic	597	108	215	21	223	18	12	
Transborder	3	0	0	0	3	0	0	
Other international	0	0	0	0	0	0	0	
<b>Total</b>	<b>600</b>	<b>108</b>	<b>215</b>	<b>21</b>	<b>226</b>	<b>18</b>	<b>12</b>	

Table 7-2 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Medicine Hat</b>							
Domestic	867	428	151	19	242	10	17
Transborder	2	0	0	0	0	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>869</b>	<b>428</b>	<b>151</b>	<b>19</b>	<b>242</b>	<b>10</b>	<b>19</b>
<b>Mont-Joli</b>							
Domestic	360	287	18	12	23	16	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>360</b>	<b>287</b>	<b>18</b>	<b>12</b>	<b>23</b>	<b>16</b>	<b>4</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,637	754	282	183	394	0	24
Transborder	172	153	0	3	14	0	2
Other international	4	4	0	0	0	0	0
<b>Total</b>	<b>1,813</b>	<b>911</b>	<b>282</b>	<b>186</b>	<b>408</b>	<b>0</b>	<b>26</b>
<b>Nanaimo</b>							
Domestic	1,839	404	564	65	620	111	75
Transborder	43	6	2	0	35	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,882</b>	<b>410</b>	<b>566</b>	<b>65</b>	<b>655</b>	<b>111</b>	<b>75</b>
<b>Norman Wells</b>							
Domestic	913	718	171	2	10	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>913</b>	<b>718</b>	<b>171</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>0</b>
<b>North Bay</b>							
Domestic	1,756	564	535	140	403	47	67
Transborder	18	2	5	0	10	1	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,775</b>	<b>567</b>	<b>540</b>	<b>140</b>	<b>413</b>	<b>48</b>	<b>67</b>
<b>Ottawa/Gatineau</b>							
Domestic	1,598	136	400	222	755	77	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,599</b>	<b>136</b>	<b>400</b>	<b>222</b>	<b>756</b>	<b>77</b>	<b>8</b>
<b>Peace River</b>							
Domestic	649	324	257	4	51	13	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>649</b>	<b>324</b>	<b>257</b>	<b>4</b>	<b>51</b>	<b>13</b>	<b>0</b>
<b>Penticton</b>							
Domestic	1,384	360	626	48	254	31	65
Transborder	12	0	1	0	11	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>1,397</b>	<b>361</b>	<b>627</b>	<b>48</b>	<b>265</b>	<b>31</b>	<b>65</b>
<b>Port Hardy</b>							
Domestic	678	497	74	6	33	55	13
Transborder	12	0	0	0	10	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>690</b>	<b>497</b>	<b>74</b>	<b>6</b>	<b>43</b>	<b>55</b>	<b>15</b>
<b>Prince Albert</b>							
Domestic	1,487	1,188	61	8	106	116	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,487</b>	<b>1,188</b>	<b>61</b>	<b>8</b>	<b>106</b>	<b>116</b>	<b>8</b>

Table 7-2 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Prince Rupert</b>							
Domestic	288	194	61	0	21	12	0
Transborder	6	0	2	0	4	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>294</b>	<b>194</b>	<b>63</b>	<b>0</b>	<b>25</b>	<b>12</b>	<b>0</b>
<b>Rankin Inlet</b>							
Domestic	1,153	999	118	24	4	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,153</b>	<b>999</b>	<b>118</b>	<b>24</b>	<b>4</b>	<b>8</b>	<b>0</b>
<b>Red Deer Regional</b>							
Domestic	1,483	339	532	131	453	24	4
Transborder	11	7	1	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,494</b>	<b>346</b>	<b>533</b>	<b>131</b>	<b>456</b>	<b>24</b>	<b>4</b>
<b>Rouyn-Noranda</b>							
Domestic	1,135	665	137	108	190	25	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,135</b>	<b>665</b>	<b>137</b>	<b>108</b>	<b>190</b>	<b>25</b>	<b>10</b>
<b>Saint John</b>							
Domestic	1,335	741	227	31	284	6	46
Transborder	82	2	1	0	77	2	0
Other international	28	20	0	0	8	0	0
<b>Total</b>	<b>1,445</b>	<b>763</b>	<b>228</b>	<b>31</b>	<b>369</b>	<b>8</b>	<b>46</b>
<b>Sept-Îles</b>							
Domestic	1,729	1,207	326	40	103	39	14
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,732</b>	<b>1,207</b>	<b>326</b>	<b>40</b>	<b>106</b>	<b>39</b>	<b>14</b>
<b>Sioux Lookout</b>							
Domestic	2,328	1,793	439	0	52	38	6
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,331</b>	<b>1,793</b>	<b>440</b>	<b>0</b>	<b>54</b>	<b>38</b>	<b>6</b>
<b>Smithers</b>							
Domestic	555	395	74	6	60	16	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>556</b>	<b>395</b>	<b>74</b>	<b>6</b>	<b>61</b>	<b>16</b>	<b>4</b>
<b>St Catharines</b>							
Domestic	1,130	9	705	79	323	10	4
Transborder	54	0	18	1	35	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,184</b>	<b>9</b>	<b>723</b>	<b>80</b>	<b>358</b>	<b>10</b>	<b>4</b>
<b>Sudbury</b>							
Domestic	2,781	1,535	583	103	326	210	24
Transborder	16	2	0	1	13	0	0
Other international	3	0	1	0	2	0	0
<b>Total</b>	<b>2,800</b>	<b>1,537</b>	<b>584</b>	<b>104</b>	<b>341</b>	<b>210</b>	<b>24</b>
<b>Terrace</b>							
Domestic	890	549	264	0	48	29	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>891</b>	<b>549</b>	<b>264</b>	<b>0</b>	<b>49</b>	<b>29</b>	<b>0</b>



Table 7-2 – continued

## Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
<b>Thompson</b>							
Domestic	2,958	2,545	207	1	38	167	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,959</b>	<b>2,546</b>	<b>207</b>	<b>1</b>	<b>38</b>	<b>167</b>	<b>0</b>
<b>Timmins</b>							
Domestic	1,938	1,466	216	10	140	98	8
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,941</b>	<b>1,467</b>	<b>216</b>	<b>10</b>	<b>142</b>	<b>98</b>	<b>8</b>
<b>Val-d'Or</b>							
Domestic	1,323	784	256	10	237	32	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,323</b>	<b>784</b>	<b>256</b>	<b>10</b>	<b>237</b>	<b>32</b>	<b>4</b>
<b>Victoria Harbour</b>							
Domestic	2,661	2,511	22	1	32	90	5
Transborder	267	0	0	0	267	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>2,929</b>	<b>2,512</b>	<b>22</b>	<b>1</b>	<b>299</b>	<b>90</b>	<b>5</b>
<b>Wabush</b>							
Domestic	794	695	40	0	47	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>795</b>	<b>695</b>	<b>40</b>	<b>0</b>	<b>48</b>	<b>12</b>	<b>0</b>
<b>Whitecourt</b>							
Domestic	908	14	773	45	54	16	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>908</b>	<b>14</b>	<b>773</b>	<b>45</b>	<b>54</b>	<b>16</b>	<b>6</b>
<b>Williams Lake</b>							
Domestic	631	436	50	8	115	16	6
Transborder	3	0	0	0	1	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>634</b>	<b>436</b>	<b>50</b>	<b>8</b>	<b>116</b>	<b>16</b>	<b>8</b>
<b>Total of all flight service stations (51)</b>							
Domestic	64,933	35,919	13,775	3,319	8,729	2,063	1,128
Transborder	934	197	42	8	667	3	17
Other international	114	75	5	1	31	0	2
<b>Total</b>	<b>65,981</b>	<b>36,191</b>	<b>13,822</b>	<b>3,328</b>	<b>9,427</b>	<b>2,066</b>	<b>1,147</b>

**Table 8-1**  
**Total aircraft movements, peak hour and peak day — NAV CANADA towers**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	15	10,549	14	12	141	14	788
Boundary Bay	10	11,702	11	15	102	11	613
Calgary International	4	18,379	1	18	61	15	765
Calgary/Springbank	13	11,059	18	9	110	21	700
Chicoutimi/St-Honoré	22	8,410	16	11	181	16	660
Edmonton City Centre	31	5,734	16	12	44	15	356
Edmonton International	16	10,465	14	8	42	15	462
Edmonton/Villeneuve	32	5,265	11	15	106	30	434
Fort McMurray	28	5,881	23	9	62	21	368
Fredericton International	21	8,415	13	16	64	13	531
Gander International	42	2,253	6	15	38	26	217
Halifax/Robert L. Stanfield International	25	7,023	2	12	35	21	304
Hamilton	37	3,929	20	16	47	20	317
Kelowna	23	7,300	27	17	60	29	453
Kitchener/Waterloo	18	9,548	1	14	83	29	698
Langley	27	6,587	5	11	86	16	409
London	8	12,402	28	11	97	29	864
Moncton/Greater Moncton International	19	9,501	12	10	70	12	783
Montréal/Pierre Elliott Trudeau International	5	18,122	15	18	65	22	697
Montréal/St-Hubert	3	18,614	21	10	148	21	1,480
Oshawa	35	4,953	1	14	54	2	351
Ottawa/Macdonald-Cartier International	6	14,145	21	11	83	30	650
Pitt Meadows	17	9,815	16	14	124	9	773
Prince George	33	5,242	1	12	91	15	382
Québec/Jean Lesage International	7	13,544	13	20	94	13	709
Regina International	34	5,044	11	13	50	20	333
Saskatoon/John G. Diefenbaker International	24	7,199	3	11	55	15	344
Sault Ste. Marie	29	5,788	12	9	63	12	343
St. John's International	39	3,414	4	10	27	30	174
St-Jean	40	3,251	11	12	47	24	272
Thunder Bay	26	6,923	14	13	66	14	396
Toronto/Billy Bishop Toronto City	20	9,256	10	14	62	29	480
Toronto/Buttonville Municipal	9	11,792	23	11	96	29	704
Toronto/Lester B. Pearson International	1	33,456	21	16	98	1	1,220
Vancouver Harbour	36	4,040	23	17	27	29	181
Vancouver International	2	23,526	5	8	73	15	878
Victoria International	11	11,192	29	14	95	29	651
Whitehorse International	38	3,624	19	17	70	20	318
Windsor	41	2,368	10	9	33	14	155
Winnipeg/James Armstrong Richardson International	12	11,062	13	21	52	6	479
Winnipeg/St. Andrews	14	10,625	1	21	92	19	692
Yellowknife	30	5,773	16	11	55	16	310

**Table 8-2**  
**Total aircraft movements, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	19	2,054	7	21	44	16	180
Campbell River	23	1,829	13	12	37	16	129
Castlegar	21	1,934	4	14	50	16	150
Charlottetown	30	1,446	5	18	24	5	153
Churchill	43	875	13	10	12	13	48
Cranbrook	35	1,163	21	12	27	21	87
Deer Lake	32	1,308	29	13	22	29	64
Fort Nelson	26	1,715	1	15	27	1	126
Fort St John	14	2,422	30	15	36	1	151
Grande Prairie	6	3,176	16	16	44	16	179
High Level	33	1,286	7	17	39	7	157
Îles-de-la-Madeleine	51	322	7	15	4	7	18
Inuvik/Mike Zubko	41	1,002	25	15	18	25	54
Iqaluit	27	1,491	7	12	16	26	69
Kamloops	11	2,898	28	15	46	10	209
Kenora	25	1,734	7	12	31	7	182
Kingston	8	3,053	21	20	38	24	210
Kuujujuaq	42	976	13	8	10	15	52
La Grande Rivière	48	653	30	13	10	5	45
La Ronge	29	1,447	20	21	20	15	106
Lethbridge	22	1,868	5	16	32	5	121
Lloydminster	39	1,092	1	9	38	1	102
Medicine Hat	36	1,155	5	15	38	15	96
Mont-Joli	49	370	13	8	7	22	32
Montréal/Mirabel International	4	3,294	22	10	63	22	246
Nanaimo	7	3,097	10	14	66	10	334
Norman Wells	31	1,349	29	10	20	23	116
North Bay	1	4,739	19	12	86	14	328
Ottawa/Gatineau	2	3,769	23	14	68	30	333
Peace River	38	1,105	9	14	51	10	124
Penticton	3	3,341	21	16	49	21	334
Port Hardy	45	774	23	14	15	15	75
Prince Albert	24	1,801	8	15	35	8	176
Prince Rupert	50	340	7	11	11	12	29
Rankin Inlet	37	1,153	22	13	14	2	67
Red Deer Regional	12	2,684	30	11	43	7	214
Rouyn-Noranda	34	1,283	22	14	32	22	107
Saint John	28	1,478	5	2	12	6	86
Sept-Îles	15	2,274	15	11	41	15	206
Sioux Lookout	13	2,483	8	16	27	8	134
Smithers	47	686	7	11	35	5	55
St Catharines	16	2,254	10	13	52	10	164
Sudbury	5	3,243	13	12	30	23	179
Terrace	40	1,035	18	12	24	18	71
Thompson	9	3,035	14	12	22	27	146
Timmins	20	1,999	29	9	26	29	101
Val-d'Or	18	2,101	22	11	79	22	200
Victoria Harbour	10	2,929	23	17	21	29	152
Wabush	44	795	20	11	10	6	52
Whitecourt	17	2,224	14	15	40	8	168
Williams Lake	46	704	25	14	13	6	42

**Table 9-1**  
**Itinerant aircraft movements, peak hour and peak day — NAV CANADA towers**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	20	4,862	16	15	45	14	318
Boundary Bay	21	4,841	11	13	37	11	285
Calgary International	3	18,313	1	18	61	15	765
Calgary/Springbank	24	4,246	17	13	40	16	282
Chicoutimi/St-Honoré	34	3,020	8	16	29	8	181
Edmonton City Centre	18	4,890	30	15	33	7	279
Edmonton International	7	10,210	14	8	42	15	440
Edmonton/Villeneuve	38	2,026	3	11	35	5	184
Fort McMurray	28	3,870	29	16	29	15	201
Fredericton International	23	4,262	21	12	30	21	267
Gander International	41	1,563	8	14	13	26	107
Halifax/Robert L. Stanfield International	12	6,740	24	15	27	6	281
Hamilton	33	3,089	29	14	23	20	191
Kelowna	22	4,273	23	11	23	23	220
Kitchener/Waterloo	19	4,870	1	14	51	29	302
Langley	31	3,170	10	11	29	16	219
London	14	6,300	20	17	39	20	356
Moncton/Greater Moncton International	15	5,802	2	17	32	21	342
Montréal/Pierre Elliott Trudeau International	4	18,122	15	18	65	22	697
Montréal/St-Hubert	9	8,336	1	18	53	21	527
Oshawa	35	2,506	2	14	21	2	172
Ottawa/Macdonald-Cartier International	5	11,330	21	11	47	23	504
Pitt Meadows	27	3,916	16	13	48	16	317
Prince George	36	2,442	15	17	22	16	133
Québec/Jean Lesage International	8	8,750	30	11	45	23	431
Regina International	30	3,605	1	18	18	20	177
Saskatoon/John G. Diefenbaker International	16	5,207	15	18	25	22	253
Sault Ste. Marie	37	2,351	12	9	19	12	119
St. John's International	32	3,126	26	19	19	26	137
St-Jean	39	1,773	18	9	27	24	210
Thunder Bay	17	5,005	14	13	30	7	231
Toronto/Billy Bishop Toronto City	10	8,321	10	14	62	29	480
Toronto/Buttonville Municipal	13	6,329	29	16	43	29	376
Toronto/Lester B. Pearson International	1	33,456	21	16	98	1	1,220
Vancouver Harbour	26	4,040	23	17	27	29	181
Vancouver International	2	23,526	5	8	73	15	878
Victoria International	11	6,840	10	11	35	22	334
Whitehorse International	40	1,593	1	16	13	20	83
Windsor	42	1,491	11	15	13	20	78
Winnipeg/James Armstrong Richardson International	6	10,524	12	15	41	27	442
Winnipeg/St. Andrews	29	3,832	5	12	30	22	219
Yellowknife	25	4,089	18	16	22	16	180

**Table 9-2**  
**Itinerant aircraft movements, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	25	1,226	25	11	27	25	141
Campbell River	22	1,319	13	12	17	22	68
Castlegar	29	1,136	26	12	12	19	84
Charlottetown	32	998	22	18	8	22	57
Churchill	41	856	13	10	12	13	48
Cranbrook	39	885	21	12	19	21	71
Deer Lake	23	1,276	20	8	8	9	61
Fort Nelson	19	1,417	1	9	14	1	98
Fort St John	13	1,634	8	10	16	15	79
Grande Prairie	4	2,454	16	16	20	21	131
High Level	33	982	27	17	10	28	58
Îles-de-la-Madeleine	50	322	7	15	4	7	18
Inuvik/Mike Zubko	35	926	6	19	10	30	51
Iqaluit	18	1,437	1	12	10	26	69
Kamloops	12	1,706	5	10	15	10	85
Kenora	31	1,132	23	15	12	27	71
Kingston	10	1,739	14	12	15	14	116
Kuujuuaq	34	932	14	13	9	15	48
La Grande Rivière	45	643	30	13	10	5	41
La Ronge	24	1,265	15	12	14	15	92
Lethbridge	27	1,158	21	9	16	17	65
Lloydminster	47	600	22	15	8	18	44
Medicine Hat	40	869	15	17	12	15	74
Mont-Joli	49	360	13	8	7	22	32
Montréal/Mirabel International	8	1,813	30	10	20	30	113
Nanaimo	7	1,882	21	15	21	16	96
Norman Wells	36	913	16	15	11	23	64
North Bay	9	1,775	16	12	20	23	102
Ottawa/Gatineau	14	1,599	30	11	17	13	107
Peace River	44	649	17	11	10	20	46
Penticton	20	1,397	14	16	13	14	77
Port Hardy	43	690	6	12	7	15	45
Prince Albert	16	1,487	8	15	13	28	94
Prince Rupert	51	294	30	19	5	29	20
Rankin Inlet	28	1,153	22	13	14	2	67
Red Deer Regional	15	1,494	7	15	18	7	106
Rouyn-Noranda	30	1,135	28	11	12	13	71
Saint John	17	1,445	12	11	12	6	78
Sept-Îles	11	1,732	8	10	15	15	94
Sioux Lookout	5	2,331	7	8	14	7	106
Smithers	48	556	6	14	8	5	31
St Catharines	26	1,184	22	15	15	2	72
Sudbury	3	2,800	24	12	17	23	141
Terrace	38	891	21	14	11	21	49
Thompson	1	2,959	20	9	18	27	144
Timmins	6	1,941	22	16	13	14	83
Val-d'Or	21	1,323	20	14	11	29	87
Victoria Harbour	2	2,929	23	17	21	29	152
Wabush	42	795	20	11	10	6	52
Whitecourt	37	908	25	14	13	15	55
Williams Lake	46	634	23	13	7	6	32

**Table 10-1**  
**Local movements, peak hour and peak day — NAV CANADA towers**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	7	5,687	14	12	104	14	470
Boundary Bay	2	6,861	13	13	74	23	405
Calgary International	38	66	7	9	8	27	14
Calgary/Springbank	3	6,813	18	9	78	21	454
Chicoutimi/St-Honoré	9	5,390	16	11	162	16	542
Edmonton City Centre	31	844	16	12	28	15	80
Edmonton International	37	255	16	12	14	20	30
Edmonton/Villeneuve	17	3,239	11	15	73	1	323
Fort McMurray	23	2,011	23	9	46	21	188
Fredericton International	13	4,153	13	16	44	4	287
Gander International	33	690	6	15	30	26	110
Halifax/Robert L. Stanfield International	36	283	2	12	20	21	43
Hamilton	32	840	20	16	36	20	126
Kelowna	18	3,027	27	17	46	29	317
Kitchener/Waterloo	11	4,678	13	21	60	29	396
Langley	16	3,417	5	11	78	14	222
London	5	6,102	12	21	66	29	548
Moncton/Greater Moncton International	14	3,699	12	10	52	12	470
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	10,278	21	10	106	21	953
Oshawa	21	2,447	1	14	44	1	192
Ottawa/Macdonald-Cartier International	19	2,815	30	12	48	22	226
Pitt Meadows	6	5,899	14	11	82	9	538
Prince George	20	2,800	1	12	82	15	258
Québec/Jean Lesage International	10	4,794	28	14	70	6	314
Regina International	28	1,439	11	13	40	20	156
Saskatoon/John G. Diefenbaker International	24	1,992	3	11	38	18	148
Sault Ste. Marie	15	3,437	3	9	46	12	224
St. John's International	35	288	4	10	24	30	38
St-Jean	27	1,478	11	12	34	30	132
Thunder Bay	25	1,918	19	9	44	14	176
Toronto/Billy Bishop Toronto City	29	935	2	21	52	2	214
Toronto/Buttonville Municipal	8	5,463	29	21	62	14	370
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	12	4,352	5	15	64	29	330
Whitehorse International	22	2,031	19	17	66	20	235
Windsor	30	877	2	11	22	14	86
Winnipeg/James Armstrong Richardson International	34	538	13	21	26	6	52
Winnipeg/St. Andrews	4	6,793	1	21	86	21	485
Yellowknife	26	1,684	16	11	36	17	132

**Table 10-2**  
**Local movements, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	11	828	7	21	42	16	96
Campbell River	19	510	16	16	30	16	66
Castlegar	12	798	4	14	48	16	96
Charlottetown	22	448	8	10	20	5	100
Churchill	45	19	26	9	9	20	10
Cranbrook	29	278	20	12	16	23	34
Deer Lake	44	32	29	13	18	29	18
Fort Nelson	27	298	1	15	22	6	48
Fort St John	13	788	28	15	30	28	80
Grande Prairie	15	722	16	16	24	16	68
High Level	26	304	7	19	36	7	110
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	37	76	7	16	10	7	18
Iqaluit	40	54	14	18	10	14	10
Kamloops	8	1,192	28	15	38	10	124
Kenora	17	602	7	9	26	8	124
Kingston	6	1,314	21	20	32	24	116
Kuujuuaq	42	44	1	14	6	13	14
La Grande Rivière	46	10	5	19	4	5	4
La Ronge	30	182	20	21	18	21	34
Lethbridge	16	710	25	19	28	5	64
Lloydminster	20	492	1	9	34	1	72
Medicine Hat	28	286	5	15	30	11	42
Mont-Joli	47	10	21	9	4	21	8
Montréal/Mirabel International	4	1,481	22	10	56	20	166
Nanaimo	7	1,215	10	14	54	10	252
Norman Wells	24	436	29	10	16	29	56
North Bay	1	2,964	19	12	78	14	234
Ottawa/Gatineau	2	2,170	23	14	56	30	230
Peace River	21	456	9	14	48	10	112
Penticton	3	1,944	21	21	44	21	268
Port Hardy	35	84	14	14	12	15	30
Prince Albert	25	314	4	12	24	8	92
Prince Rupert	41	46	7	11	10	12	18
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	9	1,190	30	11	30	17	126
Rouyn-Noranda	32	148	22	14	24	22	52
Saint John	43	33	5	2	8	5	23
Sept-Îles	18	542	7	10	30	15	112
Sioux Lookout	31	152	8	16	14	8	44
Smithers	34	130	7	11	32	7	32
St Catharines	10	1,070	10	13	44	10	112
Sudbury	23	443	13	12	18	13	58
Terrace	33	144	18	13	24	18	52
Thompson	36	76	14	12	12	1	14
Timmins	39	58	29	9	18	29	28
Val-d'Or	14	778	22	11	76	22	148
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	5	1,316	14	15	36	29	120
Williams Lake	38	70	25	14	12	25	22

**Table 11-1**  
**Local movements - civil, peak hour and peak day — NAV CANADA towers**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	7	5,685	14	12	104	14	470
Boundary Bay	2	6,861	13	13	74	23	405
Calgary International	38	66	7	9	8	27	14
Calgary/Springbank	3	6,811	18	9	78	21	454
Chicoutimi/St-Honoré	9	5,380	16	11	162	16	542
Edmonton City Centre	32	836	16	12	22	15	80
Edmonton International	36	245	2	12	12	20	30
Edmonton/Villeneuve	17	3,239	11	15	73	1	323
Fort McMurray	23	2,007	23	9	46	21	188
Fredericton International	13	4,113	13	16	44	4	287
Gander International	33	592	6	15	28	26	110
Halifax/Robert L. Stanfield International	37	215	2	12	20	2	42
Hamilton	31	840	20	16	36	20	126
Kelowna	18	3,011	27	17	46	29	313
Kitchener/Waterloo	11	4,675	13	21	60	29	396
Langley	16	3,417	5	11	78	14	222
London	5	6,090	12	21	66	29	548
Moncton/Greater Moncton International	14	3,697	12	10	52	12	470
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	10,275	21	10	106	21	953
Oshawa	21	2,447	1	14	44	1	192
Ottawa/Macdonald-Cartier International	20	2,771	30	12	48	22	210
Pitt Meadows	6	5,899	14	11	82	9	538
Prince George	19	2,800	1	12	82	15	258
Québec/Jean Lesage International	10	4,794	28	14	70	6	314
Regina International	28	1,377	11	13	40	20	150
Saskatoon/John G. Diefenbaker International	24	1,978	3	11	38	18	148
Sault Ste. Marie	15	3,428	3	9	46	12	224
St. John's International	35	286	4	10	24	30	38
St-Jean	27	1,478	11	12	34	30	132
Thunder Bay	25	1,896	19	9	44	14	176
Toronto/Billy Bishop Toronto City	29	935	2	21	52	2	214
Toronto/Buttonville Municipal	8	5,463	29	21	62	14	370
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	12	4,165	5	15	64	15	296
Whitehorse International	22	2,029	19	17	66	20	235
Windsor	30	877	2	11	22	14	86
Winnipeg/James Armstrong Richardson International	34	452	13	21	26	19	40
Winnipeg/St. Andrews	4	6,793	1	21	86	21	485
Yellowknife	26	1,510	16	11	28	17	132



**Table 11-2**  
**Local movements - civil, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	11	814	7	21	42	16	92
Campbell River	19	510	16	16	30	16	66
Castlegar	12	798	4	14	48	16	96
Charlottetown	22	448	8	10	20	5	100
Churchill	45	19	26	9	9	20	10
Cranbrook	29	274	20	12	16	23	34
Deer Lake	44	32	29	13	18	29	18
Fort Nelson	27	298	1	15	22	6	48
Fort St John	13	788	28	15	30	28	80
Grande Prairie	15	722	16	16	24	16	68
High Level	26	304	7	19	36	7	110
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	35	76	7	16	10	7	18
Iqaluit	40	54	14	18	10	14	10
Kamloops	7	1,192	28	15	38	10	124
Kenora	18	516	7	9	26	8	124
Kingston	6	1,314	21	20	32	24	116
Kuujuuaq	42	44	1	14	6	13	14
La Grande Rivière	47	10	5	19	4	5	4
La Ronge	30	182	20	21	18	21	34
Lethbridge	16	680	25	19	28	5	64
Lloydminster	20	492	1	9	34	1	72
Medicine Hat	28	286	5	15	30	11	42
Mont-Joli	46	10	21	9	4	21	8
Montréal/Mirabel International	4	1,479	22	10	56	20	166
Nanaimo	10	875	13	14	48	12	144
Norman Wells	24	436	29	10	16	29	56
North Bay	1	2,954	19	12	78	14	234
Ottawa/Gatineau	2	2,170	23	14	56	30	230
Peace River	21	456	9	14	48	10	112
Penticton	3	1,944	21	21	44	21	268
Port Hardy	38	60	14	14	12	14	20
Prince Albert	25	314	4	12	24	8	92
Prince Rupert	41	46	7	11	10	12	18
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	8	1,186	30	11	30	17	126
Rouyn-Noranda	32	148	22	14	24	22	52
Saint John	43	33	5	2	8	5	23
Sept-Îles	17	542	7	10	30	15	112
Sioux Lookout	31	152	8	16	14	8	44
Smithers	34	130	7	11	32	7	32
St Catharines	9	1,070	10	13	44	10	112
Sudbury	23	443	13	12	18	13	58
Terrace	33	144	18	13	24	18	52
Thompson	36	76	14	12	12	1	14
Timmins	39	58	29	9	18	29	28
Val-d'Or	14	778	22	11	76	22	148
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	5	1,316	14	15	36	29	120
Williams Lake	37	70	25	14	12	25	22

**Table 12-1**  
**Local movements - military, peak hour and peak day — NAV CANADA towers**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	20	2	7	14	2	7	2
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	24	2	20	22	2	20	2
Chicoutimi/St-Honoré	14	10	8	14	10	8	10
Edmonton City Centre	16	8	16	12	6	16	6
Edmonton International	13	10	16	12	10	16	10
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	17	4	28	18	4	28	4
Fredericton International	8	40	27	14	12	27	18
Gander International	3	98	6	11	10	6	14
Halifax/Robert L. Stanfield International	5	68	21	14	12	7	20
Hamilton	0	0	0	0	0	0	0
Kelowna	10	16	6	12	12	6	12
Kitchener/Waterloo	19	3	12	10	2	12	2
Langley	0	0	0	0	0	0	0
London	12	12	28	12	10	28	10
Moncton/Greater Moncton International	21	2	21	14	2	21	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	18	3	14	11	2	14	2
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	7	44	22	15	12	22	16
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	0	0	0	0	0	0	0
Regina International	6	62	12	17	18	12	18
Saskatoon/John G. Diefenbaker International	11	14	19	18	6	19	6
Sault Ste. Marie	15	9	27	15	8	27	8
St. John's International	22	2	9	14	2	9	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	9	22	29	13	6	29	6
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	1	187	6	21	18	29	42
Whitehorse International	23	2	6	13	2	6	2
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	4	86	6	10	18	6	26
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	2	174	6	10	16	27	44

**Table 12-2**  
**Local movements - military, peak hour and peak day — NAV CANADA flight service stations**

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	5	14	6	23	8	6	10
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	7	4	17	19	4	17	4
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	2	86	20	10	18	20	32
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	3	30	6	20	16	6	30
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	9	2	26	13	2	26	2
Nanaimo	1	340	10	10	24	10	140
Norman Wells	0	0	0	0	0	0	0
North Bay	6	10	26	20	6	26	6
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	4	24	15	10	10	15	24
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	8	4	6	11	4	6	4
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

# Methodology

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## Survey universe

### Coverage

The survey covers all aircraft movements at Canadian airports with NAV CANADA air traffic control towers and flight service stations.

## Methodology survey

The Itinerant movement record is designed to capture:

- Aircraft identification
- Aircraft type
- The last station before landing at the reporting airport or the next station after take-off
- Arrival or departure
- Time of movement
- Runway used
- Flight rules (Instrument flight rules or Visual flight rules).

The Local aircraft movement record provides for reports of local movements by:

- Hour
- Single engine aircraft
- Multi-engine aircraft
- Jet aircraft
- Military aircraft
- Date of movement

Processing of aircraft movement statistics involves several stages. Monthly data by class of operation are released in Aircraft movement statistics - Monthly report, catalogue nos. 51-007-X and 51-008-X (TP-141). Annual tables, which may reflect revisions, are released in the two annual publications, catalogue 51-209-X Aircraft movement statistics – NAV CANADA Towers and Flight Service Stations: Annual report (TP-577) and catalogue 51-210-X Aircraft movement statistics – Airports Without Air Traffic Control Towers: Annual report (TP-577). In particular, data on itinerant movements by type of operation may reflect revisions as various sources of comparative information (data collected from commercial air carriers by the Aviation Statistics Centre, Statistics Canada) become available during the processing cycle. Finally, when revisions are required after the release of 51-209-X and 51-210-X, they are contained in the five year historical summary of subsequent editions of these reports. These revisions are also reflected in the CANSIM tables, both monthly and annual.

The records are completed daily, based on a twenty-four hour clock running from zero hour to 23:59. The times recorded are Coordinated Universal Time (UTC); however, published statistics are shown in local times. The records are transmitted to the Aviation Statistics Centre.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. The storage of this information reduces the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents.

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place.

The parameter files also include airport environment information against which the airport category is checked; the reported runway is validated and the time difference between UTC and Local is assigned.

## Data quality and limitations

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Aircraft movement statistics are accumulated from data originating with air traffic control tower units or flight service station personnel. Because staff in these positions are highly trained in factual observation and reporting, the entries in the data bank are of a high quality.

The procedures for reporting aircraft movements on the Daily air traffic records by tower units are described in the NAV CANADA Air traffic control manual of operations (TP 703) Volume 1, Para. 1023 to 1023.5. Definitions for terms used in these paragraphs can be found in the appendix II "Glossary of terms" of this report.

To maintain uniformity in the reporting of source data, ASC issues to air traffic control units an "Air traffic designators" handbook (TP 143) listing the official Transport Canada aircraft type designators and the designators of various domestic and international air carriers. This handbook and another titled "Canada flight supplement" listing various airport codes serve as references to help ensure the reporting of the proper aircraft identity and the point of origin and destination of flights.

The processing system contains editing procedures designed to identify data errors occurring during transcription or during data capture of forms. Identified errors are manually corrected by ASC editing staff.

Errors may occur if an aircraft type code which exists is reported or data captured in error for a flight. For example, the reporting or keying of B727 for a flight actually performed by a B737 may not be detected during the system editing. That the aircraft type information is recorded by highly trained air traffic control tower staff using a common handbook of official aircraft codes will minimize this problem.

Similarly, the breakdown of the data on a geographic basis by use of location codes can be subject to error. For smaller locations, alphanumeric location codes are often used and the sequence of numbers and letters determines the geographic area to which the data are assigned. In some cases, where a sequence error has been introduced into the system either at the reporting unit or at data capture, a domestic movement may be classified as transborder or vice versa. The use of common manuals of location identifiers works to minimize this occurrence.

# Appendix I

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## Factors influencing the data

The spread of dense volcanic ash from Iceland resulted in the cancellation of numerous flights in April 2010.

Skyservice, Canada's second-largest charter carrier, ceased operation at the end of March 2010.

Porter Airlines expanded its service to include St. John's, Newfoundland and Labrador on October 5, 2009, Boston Logan effective September 14, 2009, and Thunder Bay International Airport effective June 26, 2009.

In June 2009, Air Canada added daily non-stop service between Calgary and Portland, Oregon as well as between Calgary and London, United Kingdom. Year-round daily non-stop service between Montreal and Geneva commenced on June 1, 2009.

Effective May 4, 2009, Air France added another daily flight out of Montreal/Trudeau to Paris/CDG.

On May 15, 2009, Air Canada launched a new daily non-stop service between Calgary and San Diego, CA.

Fredericton International, New Brunswick – As of January 2010, data for Fredericton International can be found in tables relating to NAV Canada Towers.

## Appendix II

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### Glossary of terms

#### Air carrier

Aircraft operators, licensed by the Canadian Transportation Agency to transport persons, mail and/or goods by air.

**Level I-III air carriers:** Canadian air carriers that, in the calendar year immediately preceding the report year, realized annual gross revenues of \$2,000,000 or more for the air services for which the air carrier held a licence. Also includes foreign air carriers.

**Level IV-VI air carriers:** Canadian air carriers that, in the calendar year immediately preceding the report year, realized annual gross revenues of less than \$2,000,000 for the air services for which the air carrier held a licence. Between 2000 and 2009, levels IV and VI were not applicable.

#### Aircraft movement

A take off, a landing, or a simulated approach by an aircraft. ATC Manops amendment 8-8-83. NC-703.

#### Class of operation

Aircraft movements are classified as either "Itinerant" or "Local".

#### Commercial

Flights by aircraft operators licensed by the Canadian Transportation Agency to perform commercial air services. Commercial operations are divided into two categories: **Air carrier** and **Other commercial**.

#### Domestic itinerant movements

Movements, at a Canadian airport, of aircraft departing to or arriving from another point in Canada.

#### FSS

Flight service station.

#### Government-Civil

Aircraft owned by federal, provincial and municipal bodies as well as foreign states, but excluding those owned by crown corporations, boards and commissions. Such aircraft are coded "3" under "Purpose" in the Canadian civil aircraft register.

#### Government-Military

Aircraft of any branch of the armed forces of any nation.



## Gross take-off weight

The maximum weight for which the aircraft is licensed to operate. For operational purposes, all weights are rounded upwards to the next 1,000 kilograms. Thus 3,200 kilograms becomes 4,000 kilograms.

## I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

## International movements

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii, and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States). Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at Halifax airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Halifax and the arrival at Toronto would be shown as "domestic".

## Itinerant movements

At airports **with** control towers and/or flight service stations: for the purpose of completing air traffic records, itinerant movements are considered as movements in which aircraft proceed to or arrive from another location; or where aircraft leave the circuit but return without landing at another airport. At airports **without** control towers: an aircraft movement in which the aircraft arrives from or departs to a point other than the reporting airport; or a movement by an aircraft that leaves the close proximity of an airport and returns without landing at another airport.

## Local movements

At airports **with** control towers and/or flight service stations: for the purpose of completing air traffic records, local movements are considered as movements in which the aircraft remains in the circuit. At airports **without** control towers: an aircraft movement in which the aircraft remains in the close proximity of the airport. Local movements are often carried out during training flights (touch-and-go), equipment tests etc.

## Other commercial

Flights performed by **Commercial** aircraft operators not included in the **Air carrier** categories. Flying schools, agricultural sprayers, water-bombers, aerial photography and survey, etc.

## Power plant

The source of propulsion. For example, piston engines, turbo-propellers and jet engines. "Helicopters", in this report, include both piston and turboshaft-driven engines.

## Private aircraft

Aircraft used solely for private purposes, not for hire and compensation, which are classified as "Private" or "Private Restricted" in the Canadian civil aircraft register or similar registries of other countries. Owners include individuals, groups and business firms.

## Runway 88

Through control zone flights, i.e. flights which communicate with the tower while transiting the tower control zone to another destination without landing at the reporting airport.

Data for these runways are not included in the grand total.

## Simulated approaches

Movements that are either missed instrument or practice instrument approaches without landing.

## TC

Transport Canada.

## Tower control zone

A controlled airspace within the proximity of an air traffic control tower, usually within a radius of less than 24 kilometres of the tower.

## V.F.R. flight

A flight conducted in accordance with Visual flight rules.

## Weight group

The classification of weight classes in groups for statistical purposes.