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



November 2008



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Statistics Canada  
Transportation Division

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

November 2008

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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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## Highlights

- Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-7.5%) in November 2008 compared with November 2007. These 95 airports reported 444,594 movements in November 2008 compared with 480,460 movements in November 2007.
- Itinerant movements (flights from one airport to another) declined 5.7% (-18,771 movements) in November 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) fell by 11.2% (-17,095 movements) in November 2008 over the previous year.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Change from November 2007/ November 2008 percent	number	Change from November 2008/ November 2007 percent	number	Change from November 2008/ November 2007 percent
<b>Grand total</b>	<b>358,417</b>	<b>-7.8</b>	<b>86,177</b>	<b>-6.1</b>	<b>444,594</b>	<b>-7.5</b>
<b>Itinerant movements</b>						
Air carriers	183,678	-4.7	47,646	-7.1	231,324	-5.2
Other commercial movements	33,962	-2.6	4,331	-17.3	38,293	-4.5
Private movements	23,135	-11.8	6,205	-20.4	29,340	-13.8
Government civil movements	4,283	0.0	1,703	-3.6	5,986	-1.1
Government military movements	3,390	15.7	931	6.8	4,321	13.6
Itinerant total	248,448	-4.8	60,816	-9.2	309,264	-5.7
<b>Local movements</b>						
Civil local movements	108,675	-14.1	25,230	2.2	133,905	-11.4
Military local movements	1,294	20.0	131	-9.7	1,425	16.5
Local total	109,969	-13.8	25,361	2.2	135,330	-11.2

## Analysis

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Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-7.5%) in November 2008 compared with November 2007. These 95 airports reported 444,594 movements in November 2008 compared with 480,460 movements in November 2007.

Itinerant movements (flights from one airport to another) declined 5.7% (-18,771 movements) in November 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) fell by 11.2% (-17,095 movements) in November 2008 over the previous year.

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

The 42 Canadian airports with NAV CANADA air traffic control towers reported 358,417 aircraft take-offs and landings in November down 7.8% (-30,270 movements) compared with November 2007. Year-over-year increases in aircraft movements were reported by 14 of these airports in November 2008. The variations ranged from an increase of 171.3% at St-Jean, Quebec to a decline of 35.4% at Hamilton, Ontario.

Itinerant movements (flights from one airport to another) decreased 4.8% in November compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 98.2% increase (+808 movements) at St-Jean, Quebec to a decline of 28.8% (-1,679 movements) at Abbotsford, British Columbia.

Local movements (flights that remain in the vicinity of the airport) declined by 17,630 movements (-13.8%) in November compared with November 2007. Moncton/Greater Moncton International, New Brunswick recorded the largest gain in local movements, increasing by 1,709 movements (+41.1%) while Calgary/Springbank, Alberta reported 3,319 fewer movements (-31.4%) compared with the previous year.

The Air Traffic Control Tower at Sudbury, Ontario closed in June 2008 and re-opened as a Flight Service Station. Sudbury reported 2,442 movements in November 2007 compared with 2,540 movements reported for the Flight Service Station in November 2008.

The Flight Service Station at Fort McMurray, Alberta closed effective October 2008 and re-opened as an Air Traffic Control Tower. Fort McMurray reported 4,417 movements in November 2007 compared with 4,660 movements reported for the Air Traffic Control Tower in November 2008.

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

The 53 Canadian airports with NAV CANADA flight service stations reported 86,177 aircraft take-offs and landings in November down 6.1% (-5,596 movements) compared with November 2007. Year-over-year increases in aircraft movements were reported by 19 of these airports in November 2008. The variations ranged from a 58.0% increase (+2,532 movements) at Fredericton International, New Brunswick to a decline of 47.9% (-709 movements) at Terrace, British Columbia.

Itinerant movements (flights from one airport to another) decreased by 9.2% (-6,131 movements) in November 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 43.1% increase (+998 movements) at Fredericton International, New Brunswick to a decline of 41.6% (-546 movements) at Terrace, British Columbia.



Local movements (flights that remain in the vicinity of the airport) recorded in November 2008 rose by 2.2% (+535 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 1,534 movements (+74.8%) compared with November 2007

## Related products

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### Selected CANSIM tables from Statistics Canada

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401-0005	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, monthly
401-0006	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, annual
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
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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

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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	11	11,313	21	4,149	2	7,164
Boundary Bay	9	11,477	18	4,777	3	6,700
Calgary International	3	19,137	3	19,061	38	76
Calgary/Springbank	7	12,895	12	5,653	1	7,242
Chicoutimi/St-Honoré	28	5,081	37	1,733	15	3,348
Edmonton City Centre	25	6,071	14	5,463	31	608
Edmonton International	14	10,383	6	10,157	36	226
Edmonton/Villeneuve	29	4,711	41	1,219	14	3,492
Fort McMurray	30	4,660	20	4,163	33	497
Gander International	39	2,768	36	1,880	27	888
Halifax/Robert L. Stanfield International	24	6,265	11	5,813	35	452
Hamilton	38	3,047	32	2,397	30	650
Kelowna	26	6,044	23	3,892	21	2,152
Kitchener/Waterloo	21	6,914	26	3,294	13	3,620
Langley	23	6,424	31	2,444	12	3,980
London	15	10,227	17	5,003	9	5,224
Moncton/Greater Moncton International	10	11,400	13	5,535	6	5,865
Montréal/Mirabel International	41	2,128	40	1,536	32	592
Montréal/Pierre Elliott Trudeau International	4	16,833	4	16,833	0	0
Montréal/St-Hubert	12	11,280	10	5,970	8	5,310
Oshawa	27	5,304	33	2,160	17	3,144
Ottawa/Macdonald-Cartier International	5	13,349	5	10,165	16	3,184
Pitt Meadows	20	7,209	30	2,501	11	4,708
Prince George	33	3,955	34	2,001	22	1,954
Québec/Jean Lesage International	17	9,638	8	6,757	18	2,881
Regina International	31	4,444	25	3,361	25	1,083
Saskatoon/John G. Diefenbaker International	19	7,778	16	5,272	20	2,506
Sault Ste. Marie	34	3,709	35	1,887	23	1,822
St. John's International	37	3,064	28	2,838	37	226
St-Jean	36	3,285	38	1,631	24	1,654
Thunder Bay	16	9,828	19	4,738	10	5,090
Toronto/Butterville Municipal	8	11,585	15	5,423	5	6,162
Toronto/City Centre	22	6,791	22	3,947	19	2,844
Toronto/Lester B. Pearson International	1	32,455	1	32,455	0	0
Vancouver Harbour	35	3,396	24	3,396	0	0
Vancouver International	2	23,581	2	23,581	0	0
Victoria International	6	12,906	9	6,659	4	6,247
Whitehorse International	42	1,512	42	1,034	34	478
Windsor	40	2,566	39	1,626	26	940
Winnipeg/James Armstrong Richardson International	13	10,862	7	10,116	29	746
Winnipeg/St. Andrews	18	8,069	29	2,723	7	5,346
Yellowknife	32	4,073	27	3,205	28	868
<b>Total of NAV CANADA towers (42)</b>	.	<b>358,417</b>	.	<b>248,448</b>	.	<b>109,969</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	34	959	44	559	16	400
Campbell River	13	2,341	21	1,233	11	1,108
Castlegar	35	893	49	491	15	402
Charlottetown	27	1,189	26	1,037	25	152
Churchill	33	960	29	960	0	0
Cranbrook	42	739	42	625	28	114
Deer Lake	26	1,343	19	1,315	37	28
Fort McMurray	..	..	..	..	..	..
Fort Nelson	29	1,178	27	1,032	26	146
Fort St John	19	1,885	10	1,653	21	232
Fredericton International	1	6,896	1	3,311	1	3,585
Grande Prairie	3	3,437	3	2,249	10	1,188
High Level	43	725	38	707	38	18
Îles-de-la-Madeleine	53	300	53	300	0	0
Inuvik/Mike Zubko	28	1,184	23	1,144	35	40
Iqaluit	25	1,399	20	1,307	31	92
Kamloops	15	2,171	11	1,587	14	584
Kenora	36	877	39	701	24	176
Kingston	8	2,789	14	1,451	8	1,338
Kuujuuaq	38	806	35	776	36	30
Kuujuuarapik	50	515	48	513	46	2
La Grande Rivière	47	631	41	631	0	0
La Ronge	32	966	30	950	40	16
Lethbridge	9	2,611	17	1,419	9	1,192
Lloydminster	46	658	46	518	27	140
Medicine Hat	22	1,789	24	1,079	13	710
Mont-Joli	51	477	50	477	0	0
Nanaimo	21	1,832	16	1,434	17	398
Norman Wells	6	2,967	31	935	3	2,032
North Bay	2	3,516	15	1,446	2	2,070
Ottawa/Gatineau	7	2,926	22	1,154	4	1,772
Peace River	45	660	40	654	42	6
Penticton	5	3,066	13	1,510	6	1,556
Port Hardy	49	528	45	522	43	6
Prince Albert	24	1,554	12	1,514	34	40
Prince Rupert	44	711	51	355	19	356
Rankin Inlet	37	840	34	840	0	0
Red Deer Regional	4	3,293	7	1,871	7	1,422
Rouyn-Noranda	31	1,024	32	912	29	112
Saint John	23	1,647	18	1,395	20	252
Sept-Îles	16	2,035	6	1,945	32	90
Sioux Lookout	14	2,256	5	2,145	30	111
Smithers	48	531	47	513	39	18
St Anthony	52	338	52	338	0	0
St Catharines	17	1,948	25	1,064	12	884
Sudbury	11	2,540	4	2,145	18	395
Terrace	40	772	36	768	45	4
Thompson	20	1,851	8	1,851	0	0
Timmins	18	1,886	9	1,804	33	82
Val-d'Or	30	1,139	28	961	22	178
Victoria Harbour	12	2,463	2	2,459	44	4
Wabush	41	766	37	760	41	6
Whitecourt	10	2,587	33	891	5	1,696
Williams Lake	39	783	43	605	23	178
<b>Total of all flight service stations (53)</b>	.	<b>86,177</b>	.	<b>60,816</b>	.	<b>25,361</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	11,285	3,329	794	7,162	28	26	2
Boundary Bay	11,468	3,933	835	6,700	9	9	0
Calgary International	19,026	17,558	1,392	76	111	111	0
Calgary/Springbank	12,888	4,097	1,550	7,241	7	6	1
Chicoutimi/St-Honoré	5,069	1,628	99	3,342	12	6	6
Edmonton City Centre	6,012	3,753	1,663	596	59	47	12
Edmonton International	10,320	9,733	361	226	63	63	0
Edmonton/Villeneuve	4,701	937	272	3,492	10	10	0
Fort McMurray	4,656	3,765	394	497	4	4	0
Gander International	2,295	1,321	302	672	473	257	216
Halifax/Robert L Stanfield International	6,032	5,276	378	378	233	159	74
Hamilton	3,027	1,859	518	650	20	20	0
Kelowna	5,999	3,434	448	2,117	45	10	35
Kitchener/Waterloo	6,901	2,574	707	3,620	13	13	0
Langley	6,424	1,537	907	3,980	0	0	0
London	10,204	4,256	724	5,224	23	23	0
Moncton/Greater Moncton International	11,380	5,188	329	5,863	20	18	2
Montréal/Mirabel International	2,048	1,078	384	586	80	74	6
Montréal/Pierre Elliott Trudeau International	16,813	15,539	1,274	0	20	20	0
Montréal/St-Hubert	11,096	4,548	1,244	5,304	184	178	6
Oshawa	5,297	1,688	467	3,142	7	5	2
Ottawa/Macdonald-Cartier International	13,106	8,989	1,000	3,117	243	176	67
Pitt Meadows	7,202	1,683	811	4,708	7	7	0
Prince George	3,920	1,686	304	1,930	35	11	24
Québec/Jean Lesage International	9,468	5,576	1,013	2,879	170	168	2
Regina International	3,954	2,440	507	1,007	490	414	76
Saskatoon/John G Diefenbaker International	7,357	4,251	792	2,314	421	229	192
Sault Ste. Marie	3,661	1,771	82	1,808	48	34	14
St. John's International	2,902	2,477	199	226	162	162	0
St-Jean	2,976	692	630	1,654	309	309	0
Thunder Bay	9,686	4,380	260	5,046	142	98	44
Toronto/Buttonville Municipal	11,585	3,850	1,573	6,162	0	0	0
Toronto/City Centre	6,777	3,505	428	2,844	14	14	0
Toronto/Lester B Pearson International	32,433	31,131	1,302	0	22	22	0
Vancouver Harbour	3,396	3,375	21	0	0	0	0
Vancouver International	23,570	22,466	1,104	0	11	11	0
Victoria International	12,525	5,490	1,031	6,004	381	138	243
Whitehorse International	1,499	854	167	478	13	13	0
Windsor	2,564	1,295	329	940	2	2	0
Winnipeg/James Armstrong Richardson International	10,242	9,125	537	580	620	454	166
Winnipeg/St. Andrews	8,051	2,507	198	5,346	18	18	0
Yellowknife	3,918	3,066	88	764	155	51	104
<b>Total of NAV CANADA towers (42)</b>	<b>353,733</b>	<b>217,640</b>	<b>27,418</b>	<b>108,675</b>	<b>4,684</b>	<b>3,390</b>	<b>1,294</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	829	317	130	382	130	112	18
Campbell River	2,327	1,033	186	1,108	14	14	0
Castlegar	891	462	27	402	2	2	0
Charlottetown	1,163	838	173	152	26	26	0
Churchill	960	933	27	0	0	0	0
Cranbrook	723	514	97	112	16	14	2
Deer Lake	1,335	1,284	23	28	8	8	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	1,146	950	50	146	32	32	0
Fort St John	1,879	1,510	137	232	6	6	0
Fredericton International	6,815	3,044	188	3,583	81	79	2
Grande Prairie	3,435	1,883	364	1,188	2	2	0
High Level	723	663	42	18	2	2	0
Îles-de-la-Madeleine	300	262	38	0	0	0	0
Inuvik/Mike Zubko	1,177	1,123	14	40	7	7	0
Iqaluit	1,389	1,141	156	92	10	10	0
Kamloops	2,152	1,307	261	584	19	19	0
Kenora	802	606	57	139	75	38	37
Kingston	2,759	1,097	336	1,326	30	18	12
Kuujuaq	806	742	34	30	0	0	0
Kuujuarapik	515	507	6	2	0	0	0
La Grande Rivière	631	597	34	0	0	0	0
La Ronge	963	876	71	16	3	3	0
Lethbridge	2,549	1,073	306	1,170	62	40	22
Lloydminster	646	239	269	138	12	10	2
Medicine Hat	1,733	835	214	684	56	30	26
Mont-Joli	475	443	32	0	2	2	0
Nanaimo	1,832	900	534	398	0	0	0
Norman Wells	2,959	896	31	2,032	8	8	0
North Bay	3,497	1,208	219	2,070	19	19	0
Ottawa/Gatineau	2,915	622	521	1,772	11	11	0
Peace River	658	594	58	6	2	2	0
Penticton	2,997	1,191	250	1,556	69	69	0
Port Hardy	504	430	68	6	24	24	0
Prince Albert	1,538	1,271	227	40	16	16	0
Prince Rupert	711	310	45	356	0	0	0
Rankin Inlet	836	822	14	0	4	4	0
Red Deer Regional	3,258	1,214	624	1,420	35	33	2
Rouyn-Noranda	1,024	810	102	112	0	0	0
Saint John	1,611	1,105	262	244	36	28	8
Sept-Îles	2,019	1,786	143	90	16	16	0
Sioux Lookout	2,250	2,099	40	111	6	6	0
Smithers	531	482	31	18	0	0	0
St Anthony	336	330	6	0	2	2	0
St Catharines	1,784	535	365	884	164	164	0
Sudbury	2,530	1,912	223	395	10	10	0
Terrace	768	704	60	4	4	4	0
Thompson	1,843	1,703	140	0	8	8	0
Timmins	1,881	1,727	72	82	5	5	0
Val-d'Or	1,123	798	147	178	16	16	0
Victoria Harbour	2,455	2,206	245	4	8	8	0
Wabush	766	734	26	6	0	0	0
Whitecourt	2,585	834	55	1,696	2	2	0
Williams Lake	781	475	128	178	2	2	0
<b>Total of all flight service stations (53)</b>	<b>85,115</b>	<b>51,977</b>	<b>7,908</b>	<b>25,230</b>	<b>1,062</b>	<b>931</b>	<b>131</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	4,149	520	1,960	849	641	153	26
Boundary Bay	4,777	4	984	2,945	813	22	9
Calgary International	19,061	15,976	967	615	1,248	144	111
Calgary/Springbank	5,653	20	713	3,364	1,540	10	6
Chicoutimi/St-Honoré	1,733	10	520	1,098	95	4	6
Edmonton City Centre	5,463	1,549	599	1,605	1,235	428	47
Edmonton International	10,157	9,300	311	122	338	23	63
Edmonton/Villeneuve	1,219	2	232	703	268	4	10
Fort McMurray	4,163	2,639	729	397	357	37	4
Gander International	1,880	439	834	48	293	9	257
Halifax/Robert L. Stanfield International	5,813	4,881	293	102	288	90	159
Hamilton	2,397	1,290	452	117	398	120	20
Kelowna	3,892	2,319	526	589	375	73	10
Kitchener/Waterloo	3,294	384	1,787	403	686	21	13
Langley	2,444	79	72	1,386	891	16	0
London	5,003	1,017	881	2,358	681	43	23
Moncton/Greater Moncton International	5,535	1,595	3,436	157	173	156	18
Montréal/Mirabel International	1,536	727	274	77	378	6	74
Montréal/Pierre Elliott Trudeau International	16,833	14,374	463	702	1,136	138	20
Montréal/St-Hubert	5,970	2,036	455	2,057	1,114	130	178
Oshawa	2,160	121	73	1,494	465	2	5
Ottawa/Macdonald-Cartier International	10,165	6,485	342	2,162	526	474	176
Pitt Meadows	2,501	14	785	884	786	25	7
Prince George	2,001	1,162	477	47	201	103	11
Québec/Jean Lesage International	6,757	3,763	895	918	664	349	168
Regina International	3,361	1,810	605	25	300	207	414
Saskatoon/John G. Diefenbaker International	5,272	2,901	933	417	487	305	229
Sault Ste. Marie	1,887	833	143	795	66	16	34
St. John's International	2,838	1,662	745	70	131	68	162
St-Jean	1,631	206	92	394	620	10	309
Thunder Bay	4,738	2,752	668	960	163	97	98
Toronto/Buttonville Municipal	5,423	254	564	3,032	1,537	36	0
Toronto/City Centre	3,947	1,599	758	1,148	406	22	14
Toronto/Lester B. Pearson International	32,455	30,464	488	179	1,264	38	22
Vancouver Harbour	3,396	3,151	218	6	19	2	0
Vancouver International	23,581	20,927	1,350	189	718	386	11
Victoria International	6,659	2,939	1,887	664	916	115	138
Whitehorse International	1,034	628	194	32	141	26	13
Windsor	1,626	519	712	64	301	28	2
Winnipeg/James Armstrong Richardson International	10,116	8,447	608	70	254	283	454
Winnipeg/St. Andrews	2,723	426	1,431	650	198	0	18
Yellowknife	3,205	2,787	211	68	24	64	51
<b>Total of NAV CANADA towers (42)</b>	<b>248,448</b>	<b>153,011</b>	<b>30,667</b>	<b>33,962</b>	<b>23,135</b>	<b>4,283</b>	<b>3,390</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	559	115	173	29	114	16	112
Campbell River	1,233	509	275	249	176	10	14
Castlegar	491	243	45	174	27	0	2
Charlottetown	1,037	659	84	95	143	30	26
Churchill	960	862	66	5	23	4	0
Cranbrook	625	474	36	4	83	14	14
Deer Lake	1,315	1,081	152	51	6	17	8
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	1,032	362	319	269	36	14	32
Fort St John	1,653	757	694	59	109	28	6
Fredericton International	3,311	712	2,216	116	99	89	79
Grande Prairie	2,249	1,188	642	53	315	49	2
High Level	707	196	459	8	20	22	2
Îles-de-la-Madeleine	300	232	18	12	3	35	0
Inuvik/Mike Zubko	1,144	424	686	13	0	14	7
Iqaluit	1,307	960	135	46	52	104	10
Kamloops	1,587	1,042	166	99	205	56	19
Kenora	701	343	254	9	49	8	38
Kingston	1,451	436	257	404	292	44	18
Kuujuaq	776	701	39	2	22	12	0
Kuujuarapik	513	501	4	2	0	6	0
La Grande Rivière	631	489	94	14	20	14	0
La Ronge	950	836	20	20	9	62	3
Lethbridge	1,419	451	39	583	296	10	40
Lloydminster	518	146	75	18	241	28	10
Medicine Hat	1,079	762	47	26	198	16	30
Mont-Joli	477	375	62	6	10	22	2
Nanaimo	1,434	395	338	167	462	72	0
Norman Wells	935	581	293	22	16	15	8
North Bay	1,446	525	374	309	199	20	19
Ottawa/Gatineau	1,154	136	181	305	463	58	11
Peace River	654	379	215	0	42	16	2
Penticton	1,510	575	549	67	179	71	69
Port Hardy	522	384	34	12	34	34	24
Prince Albert	1,514	1,127	106	38	110	117	16
Prince Rupert	355	223	85	2	0	45	0
Rankin Inlet	840	808	13	1	4	10	4
Red Deer Regional	1,871	350	693	171	598	26	33
Rouyn-Noranda	912	623	116	71	68	34	0
Saint John	1,395	741	249	115	251	11	28
Sept-Îles	1,945	1,247	503	36	86	57	16
Sioux Lookout	2,145	1,718	342	39	32	8	6
Smithers	513	397	44	41	19	12	0
St Anthony	338	264	20	46	2	4	2
St Catharines	1,064	10	453	72	359	6	164
Sudbury	2,145	1,407	471	34	173	50	10
Terrace	768	533	156	15	22	38	4
Thompson	1,851	1,637	66	0	10	130	8
Timmins	1,804	1,478	240	9	65	7	5
Val-d'Or	961	672	51	75	123	24	16
Victoria Harbour	2,459	2,199	7	0	162	83	8
Wabush	760	578	146	10	20	6	0
Whitecourt	891	38	488	308	45	10	2
Williams Lake	605	422	53	0	113	15	2
<b>Total of all flight service stations (53)</b>	<b>60,816</b>	<b>34,303</b>	<b>13,343</b>	<b>4,331</b>	<b>6,205</b>	<b>1,703</b>	<b>931</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	4,149	1,245	30.0	2,904	69.9	496
Boundary Bay	4,777	467	9.7	4,310	90.2	203
Calgary International	19,061	17,942	94.1	1,119	5.8	797
Calgary/Springbank	5,653	259	4.5	5,394	95.4	2,371
Chicoutimi/St-Honoré	1,733	246	14.1	1,487	85.8	34
Edmonton City Centre	5,463	2,767	50.6	2,696	49.3	1,457
Edmonton International	10,157	9,793	96.4	364	3.5	696
Edmonton/Villeneuve	1,219	17	1.3	1,202	98.6	159
Fort McMurray	4,163	2,464	59.1	1,699	40.8	138
Gander International	1,880	1,148	61.0	732	38.9	49
Halifax/Robert L. Stanfield International	5,813	5,434	93.4	379	6.5	196
Hamilton	2,397	1,930	80.5	467	19.4	399
Kelowna	3,892	2,435	62.5	1,457	37.4	310
Kitchener/Waterloo	3,294	871	26.4	2,423	73.5	329
Langley	2,444	33	1.3	2,411	98.6	655
London	5,003	1,295	25.8	3,708	74.1	328
Moncton/Greater Moncton International	5,535	1,929	34.8	3,606	65.1	105
Montréal/Mirabel International	1,536	979	63.7	557	36.2	671
Montréal/Pierre Elliott Trudeau International	16,833	16,180	96.1	653	3.8	1,284
Montréal/St-Hubert	5,970	1,337	22.3	4,633	77.6	1,136
Oshawa	2,160	69	3.1	2,091	96.8	425
Ottawa/Macdonald-Cartier International	10,165	7,334	72.1	2,831	27.8	655
Pitt Meadows	2,501	36	1.4	2,465	98.5	1,360
Prince George	2,001	1,295	64.7	706	35.2	323
Québec/Jean Lesage International	6,757	4,434	65.6	2,323	34.3	926
Regina International	3,361	2,381	70.8	980	29.1	46
Saskatoon/John G. Diefenbaker International	5,272	3,588	68.0	1,684	31.9	137
Sault Ste. Marie	1,887	1,027	54.4	860	45.5	69
St. John's International	2,838	2,569	90.5	269	9.4	125
St-Jean	1,631	207	12.6	1,424	87.3	223
Thunder Bay	4,738	3,265	68.9	1,473	31.0	115
Toronto/Buttonville Municipal	5,423	642	11.8	4,781	88.1	467
Toronto/City Centre	3,947	1,976	50.0	1,971	49.9	1,200
Toronto/Lester B. Pearson International	32,455	32,309	99.5	146	0.4	37
Vancouver Harbour	3,396	127	3.7	3,269	96.2	848
Vancouver International	23,581	18,587	78.8	4,994	21.1	4,733
Victoria International	6,659	3,419	51.3	3,240	48.6	2,633
Whitehorse International	1,034	447	43.2	587	56.7	79
Windsor	1,626	681	41.8	945	58.1	80
Winnipeg/James Armstrong Richardson International	10,116	9,047	89.4	1,069	10.5	155
Winnipeg/St. Andrews	2,723	154	5.6	2,569	94.3	54
Yellowknife	3,205	2,475	77.2	730	22.7	43
<b>Total of NAV CANADA towers (42)</b>	<b>248,448</b>	<b>164,840</b>	<b>66.3</b>	<b>83,608</b>	<b>33.7</b>	<b>26,546</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 number
	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	559	170	30.4	389	69.5	19
Campbell River	1,233	512	41.5	721	58.4	134
Castlegar	491	235	47.8	256	52.1	72
Charlottetown	1,037	769	74.1	268	25.8	9
Churchill	960	877	91.3	83	8.6	374
Cranbrook	625	506	80.9	119	19.0	62
Deer Lake	1,315	1,266	96.2	49	3.7	39
Fort McMurray	..	..	..	..	..	..
Fort Nelson	1,032	427	41.3	605	58.6	92
Fort St John	1,653	815	49.3	838	50.6	79
Fredericton International	3,311	996	30.0	2,315	69.9	81
Grande Prairie	2,249	1,380	61.3	869	38.6	141
High Level	707	289	40.8	418	59.1	184
Îles-de-la-Madeleine	300	291	97.0	9	3.0	4
Inuvik/Mike Zubko	1,144	333	29.1	811	70.8	4
Iqaluit	1,307	1,064	81.4	243	18.5	67
Kamloops	1,587	1,164	73.3	423	26.6	125
Kenora	701	474	67.6	227	32.3	42
Kingston	1,451	577	39.7	874	60.2	69
Kuujuuaq	776	385	49.6	391	50.3	1
Kuujuuarapik	513	285	55.5	228	44.4	0
La Grande Rivière	631	541	85.7	90	14.2	158
La Ronge	950	719	75.6	231	24.3	118
Lethbridge	1,419	581	40.9	838	59.0	42
Lloydminster	518	249	48.0	269	51.9	21
Medicine Hat	1,079	425	39.3	654	60.6	247
Mont-Joli	477	417	87.4	60	12.5	10
Nanaimo	1,434	522	36.4	912	63.5	514
Norman Wells	935	181	19.3	754	80.6	607
North Bay	1,446	678	46.8	768	53.1	241
Ottawa/Gatineau	1,154	189	16.3	965	83.6	63
Peace River	654	361	55.1	293	44.8	40
Penticton	1,510	505	33.4	1,005	66.5	104
Port Hardy	522	225	43.1	297	56.8	152
Prince Albert	1,514	1,322	87.3	192	12.6	32
Prince Rupert	355	243	68.4	112	31.5	5
Rankin Inlet	840	802	95.4	38	4.5	2
Red Deer Regional	1,871	393	21.0	1,478	78.9	346
Rouyn-Noranda	912	812	89.0	100	10.9	38
Saint John	1,395	972	69.6	423	30.3	9
Sept-Îles	1,945	1,499	77.0	446	22.9	269
Sioux Lookout	2,145	1,751	81.6	394	18.3	36
Smithers	513	392	76.4	121	23.5	116
St Anthony	338	245	72.4	93	27.5	0
St Catharines	1,064	83	7.8	981	92.1	182
Sudbury	2,145	1,719	80.1	426	19.8	61
Terrace	768	573	74.6	195	25.3	80
Thompson	1,851	1,851	100.0	0	0.0	0
Timmins	1,804	1,643	91.0	161	8.9	72
Val-d'Or	961	726	75.5	235	24.4	176
Victoria Harbour	2,459	183	7.4	2,276	92.5	452
Wabush	760	701	92.2	59	7.7	23
Whitecourt	891	79	8.8	812	91.1	103
Williams Lake	605	446	73.7	159	26.2	137
<b>Total of all flight service stations (53)</b>	<b>60,816</b>	<b>34,843</b>	<b>57.3</b>	<b>25,973</b>	<b>42.7</b>	<b>6,054</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	4,149	451	283	2,353	1,062	0
Boundary Bay	4,777	1	144	4,410	221	1
Calgary International	19,061	13,165	4,530	783	583	0
Calgary/Springbank	5,653	83	70	4,740	760	0
Chicoutimi/St-Honoré	1,733	10	103	1,237	377	6
Edmonton City Centre	5,463	497	2,062	2,143	761	0
Edmonton International	10,157	6,664	3,196	275	22	0
Edmonton/Villeneuve	1,219	3	16	1,025	169	6
Fort McMurray	4,163	1,028	1,657	768	708	2
Gander International	1,880	597	491	650	142	0
Halifax/Robert L Stanfield International	5,813	3,558	1,647	328	280	0
Hamilton	2,397	1,221	572	540	64	0
Kelowna	3,892	1,308	1,260	873	451	0
Kitchener/Waterloo	3,294	192	479	2,361	262	0
Langley	2,444	0	76	2,025	342	1
London	5,003	278	977	3,643	104	1
Moncton/Greater Moncton International	5,535	978	732	3,771	54	0
Montréal/Mirabel International	1,536	703	307	363	163	0
Montréal/Pierre Elliott Trudeau International	16,833	10,958	5,103	569	203	0
Montréal/St-Hubert	5,970	243	704	4,502	520	1
Oshawa	2,160	0	68	1,989	103	0
Ottawa/Macdonald-Cartier International	10,165	5,197	2,161	2,534	273	0
Pitt Meadows	2,501	2	46	2,065	386	2
Prince George	2,001	477	864	197	463	0
Québec/Jean Lesage International	6,757	1,304	2,787	1,861	805	0
Regina International	3,361	1,338	682	1,247	94	0
Saskatoon/John G Diefenbaker International	5,272	1,714	1,742	1,784	32	0
Sault Ste. Marie	1,887	30	960	883	14	0
St. John's International	2,838	1,019	1,405	60	354	0
St-Jean	1,631	6	33	1,273	28	291
Thunder Bay	4,738	757	2,542	1,134	305	0
Toronto/Buttonville Municipal	5,423	83	345	4,533	462	0
Toronto/City Centre	3,947	2	1,910	1,697	338	0
Toronto/Lester B Pearson International	32,455	26,606	5,791	44	14	0
Vancouver Harbour	3,396	0	1,817	893	686	0
Vancouver International	23,581	10,923	8,648	2,983	1,027	0
Victoria International	6,659	1,039	2,211	2,922	487	0
Whitehorse International	1,034	219	397	352	66	0
Windsor	1,626	95	539	972	20	0
Winnipeg/James Armstrong Richardson International	10,116	4,940	4,143	922	111	0
Winnipeg/St. Andrews	2,723	0	354	2,276	93	0
Yellowknife	3,205	672	2,144	209	180	0
<b>Total of NAV CANADA towers (42)</b>	<b>248,448</b>	<b>98,361</b>	<b>65,998</b>	<b>70,189</b>	<b>13,589</b>	<b>311</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	559	38	164	296	61	0
Campbell River	1,233	46	538	250	399	0
Castlegar	491	16	241	116	118	0
Charlottetown	1,037	332	312	363	30	0
Churchill	960	35	905	8	12	0
Cranbrook	625	10	458	139	18	0
Deer Lake	1,315	210	1,045	43	17	0
Fort McMurray	..	..	..	..	..	..
Fort Nelson	1,032	48	370	105	509	0
Fort St John	1,653	257	558	163	675	0
Fredericton International	3,311	284	563	2,360	104	0
Grande Prairie	2,249	460	862	568	359	0
High Level	707	4	310	265	128	0
Îles-de-la-Madeleine	300	16	221	59	4	0
Inuvik/Mike Zubko	1,144	123	664	200	157	0
Iqaluit	1,307	331	847	13	116	0
Kamloops	1,587	61	1,097	292	137	0
Kenora	701	8	453	132	108	0
Kingston	1,451	14	561	790	86	0
Kuujuaq	776	117	600	20	39	0
Kuujuarapik	513	6	501	4	2	0
La Grande Rivière	631	6	589	25	11	0
La Ronge	950	3	840	89	18	0
Lethbridge	1,419	74	491	823	31	0
Lloydminster	518	24	181	290	23	0
Medicine Hat	1,079	45	447	518	69	0
Mont-Joli	477	18	386	53	20	0
Nanaimo	1,434	10	435	928	61	0
Norman Wells	935	135	321	230	249	0
North Bay	1,446	34	678	360	369	5
Ottawa/Gatineau	1,154	19	182	790	162	1
Peace River	654	14	345	114	181	0
Penticton	1,510	24	620	456	410	0
Port Hardy	522	7	368	75	72	0
Prince Albert	1,514	10	1,271	214	19	0
Prince Rupert	355	22	224	0	109	0
Rankin Inlet	840	121	702	6	11	0
Red Deer Regional	1,871	32	492	1,178	165	4
Rouyn-Noranda	912	88	731	81	12	0
Saint John	1,395	285	579	487	44	0
Sept-Îles	1,945	42	1,205	398	300	0
Sioux Lookout	2,145	0	1,795	319	31	0
Smithers	513	8	410	23	72	0
St Anthony	338	2	313	4	19	0
St Catharines	1,064	13	39	803	159	50
Sudbury	2,145	18	1,708	220	199	0
Terrace	768	32	553	7	176	0
Thompson	1,851	24	1,737	90	0	0
Timmins	1,804	18	1,660	111	15	0
Val-d'Or	961	105	645	174	37	0
Victoria Harbour	2,459	0	1,555	172	732	0
Wabush	760	26	645	37	52	0
Whitecourt	891	4	70	87	730	0
Williams Lake	605	18	439	117	31	0
<b>Total of all flight service stations (53)</b>	<b>60,816</b>	<b>3,697</b>	<b>33,926</b>	<b>15,465</b>	<b>7,668</b>	<b>60</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	3,014	378	194	89	8	16	438	12	0	0
Boundary Bay	4,356	253	166	1	0	0	0	0	1	0
Calgary International	875	538	1,498	1,901	1,072	3,725	7,703	805	411	533
Calgary/Springbank	5,166	348	64	21	0	54	0	0	0	0
Chicoutimi/St-Honoré	1,367	248	103	10	3	2	0	0	0	0
Edmonton City Centre	2,369	609	1,639	599	208	30	2	7	0	0
Edmonton International	210	182	487	895	509	2,475	4,622	392	232	153
Edmonton/Villeneuve	1,095	93	31	0	0	0	0	0	0	0
Fort McMurray	1,115	640	522	550	248	641	443	4	0	0
Gander International	626	6	133	251	387	284	40	87	6	60
Halifax/Robert L Stanfield International	141	249	351	855	816	1,411	1,612	118	177	83
Hamilton	420	338	219	286	128	11	435	8	444	108
Kelowna	1,200	99	325	603	47	706	892	0	15	5
Kitchener/Waterloo	2,486	166	282	77	176	42	64	0	1	0
Langley	2,294	142	0	0	7	1	0	0	0	0
London	3,561	227	172	51	696	130	158	8	0	0
Moncton/Greater Moncton International	3,632	235	263	327	136	513	181	2	246	0
Montréal/Mirabel International	414	144	31	153	46	225	75	5	266	177
Montréal/Pierre Elliott Trudeau International	548	200	672	852	2,789	5,159	4,110	1,160	16	1,327
Montréal/St-Hubert	4,322	572	716	213	116	17	10	4	0	0
Oshawa	1,967	113	65	8	5	0	0	2	0	0
Ottawa/Macdonald-Cartier International	2,540	155	929	223	632	2,584	2,115	642	169	176
Pitt Meadows	2,396	55	47	0	0	1	2	0	0	0
Prince George	462	85	309	579	8	376	180	2	0	0
Québec/Jean Lesage International	2,038	560	767	278	1,212	1,248	551	19	8	76
Regina International	811	547	382	336	70	459	673	0	83	0
Saskatoon/John G Diefenbaker International	1,392	455	770	619	285	773	891	10	77	0
Sault Ste. Marie	870	139	474	46	266	88	0	4	0	0
St. John's International	78	27	321	484	820	114	759	148	79	8
St-Jean	1,448	137	34	6	0	2	0	4	0	0
Thunder Bay	1,216	210	2,187	224	144	323	420	12	2	0
Toronto/Buttonville Municipal	4,643	375	253	69	65	10	6	2	0	0
Toronto/City Centre	1,659	209	670	35	0	1,374	0	0	0	0
Toronto/Lester B Pearson International	14	328	233	2,299	3,573	6,678	12,320	3,756	329	2,925
Vancouver Harbour	30	2,100	1,152	0	114	0	0	0	0	0
Vancouver International	834	3,774	1,059	2,733	2,085	4,036	5,618	1,121	531	1,790
Victoria International	2,628	813	232	463	932	950	566	28	38	9
Whitehorse International	368	120	191	37	2	114	202	0	0	0
Windsor	923	113	61	108	319	96	4	0	2	0
Winnipeg/James Armstrong Richardson International	660	462	2,866	397	842	1,418	2,511	276	640	44
Winnipeg/St. Andrews	2,091	443	171	2	14	0	0	2	0	0
Yellowknife	194	358	733	159	292	724	534	211	0	0
<b>Total of NAV CANADA towers (42)</b>	<b>68,473</b>	<b>17,245</b>	<b>21,774</b>	<b>16,839</b>	<b>19,072</b>	<b>36,810</b>	<b>48,137</b>	<b>8,851</b>	<b>3,773</b>	<b>7,474</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	334	16	106	28	28	0	0	47	0	0
Campbell River	542	93	35	355	175	31	2	0	0	0
Castlegar	230	0	6	75	7	173	0	0	0	0
Charlottetown	244	173	48	164	97	255	54	2	0	0
Churchill	8	57	133	101	178	458	23	0	0	2
Cranbrook	95	58	37	214	114	105	0	2	0	0
Deer Lake	26	25	119	149	788	113	93	2	0	0
Fort McMurray	..	..	..	..	..	..	..	..	..	..
Fort Nelson	549	81	136	167	93	6	0	0	0	0
Fort St John	772	48	255	250	101	225	2	0	0	0
Fredericton International	2,268	133	247	73	218	364	2	0	0	6
Grande Prairie	653	303	486	151	18	460	178	0	0	0
High Level	316	105	131	153	2	0	0	0	0	0
Îles-de-la-Madeleine	3	60	38	46	128	25	0	0	0	0
Inuvik/Mike Zubko	175	114	592	103	2	35	121	2	0	0
Iqaluit	47	76	305	50	200	348	168	14	99	0
Kamloops	342	76	96	404	211	456	2	0	0	0
Kenora	92	62	513	2	22	0	0	10	0	0
Kingston	817	33	131	415	43	6	0	6	0	0
Kuujuuaq	55	2	476	6	101	33	80	0	23	0
Kuujuuarapik	2	4	242	4	179	82	0	0	0	0
La Grande Rivière	15	28	121	4	106	357	0	0	0	0
La Ronge	13	90	378	103	215	151	0	0	0	0
Lethbridge	712	134	158	299	86	10	14	6	0	0
Lloydminster	249	62	109	94	4	0	0	0	0	0
Medicine Hat	540	45	240	238	16	0	0	0	0	0
Mont-Joli	22	51	135	60	123	86	0	0	0	0
Nanaimo	779	248	60	64	66	217	0	0	0	0
Norman Wells	253	150	343	11	4	46	128	0	0	0
North Bay	685	146	261	98	166	86	4	0	0	0
Ottawa/Gatineau	873	90	67	101	13	6	0	4	0	0
Peace River	211	84	331	18	4	4	2	0	0	0
Penticton	814	42	145	311	21	177	0	0	0	0
Port Hardy	40	67	188	59	154	12	2	0	0	0
Prince Albert	116	117	272	297	401	311	0	0	0	0
Prince Rupert	4	89	24	45	73	120	0	0	0	0
Rankin Inlet	10	6	178	145	278	98	119	4	2	0
Red Deer Regional	1,126	198	336	153	29	3	6	20	0	0
Rouyn-Noranda	84	9	370	3	225	171	50	0	0	0
Saint John	331	184	173	272	74	353	4	4	0	0
Sept-Îles	347	353	401	167	583	94	0	0	0	0
Sioux Lookout	183	183	1,337	442	0	0	0	0	0	0
Smithers	87	14	55	183	66	108	0	0	0	0
St Anthony	17	4	127	37	153	0	0	0	0	0
St Catharines	909	103	21	8	5	2	0	16	0	0
Sudbury	255	201	1,231	98	47	309	0	4	0	0
Terrace	147	31	55	225	135	175	0	0	0	0
Thompson	2	149	1,077	30	280	313	0	0	0	0
Timmins	88	137	928	92	447	111	0	1	0	0
Val-d'Or	178	46	257	22	305	72	5	4	72	0
Victoria Harbour	14	1,283	1,019	0	143	0	0	0	0	0
Wabush	46	41	121	82	462	8	0	0	0	0
Whitecourt	762	67	43	18	0	0	1	0	0	0
Williams Lake	135	13	67	355	23	0	10	2	0	0
<b>Total of all flight service stations (53)</b>	<b>17,617</b>	<b>5,984</b>	<b>14,760</b>	<b>7,044</b>	<b>7,412</b>	<b>6,575</b>	<b>1,070</b>	<b>150</b>	<b>196</b>	<b>8</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	4,112	518	1,949	849	617	153	26
Transborder	37	2	11	0	24	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,149</b>	<b>520</b>	<b>1,960</b>	<b>849</b>	<b>641</b>	<b>153</b>	<b>26</b>
<b>Boundary Bay</b>							
Domestic	4,748	4	984	2,938	792	22	8
Transborder	29	0	0	7	21	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,777</b>	<b>4</b>	<b>984</b>	<b>2,945</b>	<b>813</b>	<b>22</b>	<b>9</b>
<b>Calgary International</b>							
Domestic	15,188	12,511	866	573	996	141	101
Transborder	3,351	2,958	101	42	242	3	5
Other international	522	507	0	0	10	0	5
<b>Total</b>	<b>19,061</b>	<b>15,976</b>	<b>967</b>	<b>615</b>	<b>1,248</b>	<b>144</b>	<b>111</b>
<b>Calgary/Springbank</b>							
Domestic	5,614	18	709	3,359	1,512	10	6
Transborder	39	2	4	5	28	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>5,653</b>	<b>20</b>	<b>713</b>	<b>3,364</b>	<b>1,540</b>	<b>10</b>	<b>6</b>
<b>Chicoutimi/St-Honoré</b>							
Domestic	1,733	10	520	1,098	95	4	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,733</b>	<b>10</b>	<b>520</b>	<b>1,098</b>	<b>95</b>	<b>4</b>	<b>6</b>
<b>Edmonton City Centre</b>							
Domestic	5,422	1,548	589	1,604	1,209	425	47
Transborder	41	1	10	1	26	3	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>5,463</b>	<b>1,549</b>	<b>599</b>	<b>1,605</b>	<b>1,235</b>	<b>428</b>	<b>47</b>
<b>Edmonton International</b>							
Domestic	8,433	7,652	299	122	279	23	58
Transborder	1,483	1,409	12	0	57	0	5
Other international	241	239	0	0	2	0	0
<b>Total</b>	<b>10,157</b>	<b>9,300</b>	<b>311</b>	<b>122</b>	<b>338</b>	<b>23</b>	<b>63</b>
<b>Edmonton/Villeneuve</b>							
Domestic	1,219	2	232	703	268	4	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,219</b>	<b>2</b>	<b>232</b>	<b>703</b>	<b>268</b>	<b>4</b>	<b>10</b>
<b>Fort McMurray</b>							
Domestic	4,163	2,639	729	397	357	37	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,163</b>	<b>2,639</b>	<b>729</b>	<b>397</b>	<b>357</b>	<b>37</b>	<b>4</b>
<b>Gander International</b>							
Domestic	1,365	337	826	21	51	9	121
Transborder	234	35	1	13	120	0	65
Other international	281	67	7	14	122	0	71
<b>Total</b>	<b>1,880</b>	<b>439</b>	<b>834</b>	<b>48</b>	<b>293</b>	<b>9</b>	<b>257</b>
<b>Halifax/Robert L Stanfield International</b>							
Domestic	4,689	3,990	195	98	194	90	122
Transborder	854	743	6	2	76	0	27
Other international	270	148	92	2	18	0	10
<b>Total</b>	<b>5,813</b>	<b>4,881</b>	<b>293</b>	<b>102</b>	<b>288</b>	<b>90</b>	<b>159</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>Hamilton</b>							
Domestic	1,984	1,031	402	116	301	114	20
Transborder	403	252	50	1	94	6	0
Other international	10	7	0	0	3	0	0
<b>Total</b>	<b>2,397</b>	<b>1,290</b>	<b>452</b>	<b>117</b>	<b>398</b>	<b>120</b>	<b>20</b>
<b>Kelowna</b>							
Domestic	3,672	2,148	521	587	334	73	9
Transborder	220	171	5	2	41	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,892</b>	<b>2,319</b>	<b>526</b>	<b>589</b>	<b>375</b>	<b>73</b>	<b>10</b>
<b>Kitchener/Waterloo</b>							
Domestic	2,986	223	1,755	400	574	21	13
Transborder	303	159	32	3	109	0	0
Other international	5	2	0	0	3	0	0
<b>Total</b>	<b>3,294</b>	<b>384</b>	<b>1,787</b>	<b>403</b>	<b>686</b>	<b>21</b>	<b>13</b>
<b>Langley</b>							
Domestic	2,442	79	72	1,386	889	16	0
Transborder	1	0	0	0	1	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>2,444</b>	<b>79</b>	<b>72</b>	<b>1,386</b>	<b>891</b>	<b>16</b>	<b>0</b>
<b>London</b>							
Domestic	4,710	797	880	2,358	609	43	23
Transborder	290	217	1	0	72	0	0
Other international	3	3	0	0	0	0	0
<b>Total</b>	<b>5,003</b>	<b>1,017</b>	<b>881</b>	<b>2,358</b>	<b>681</b>	<b>43</b>	<b>23</b>
<b>Moncton/Greater Moncton International</b>							
Domestic	5,455	1,532	3,436	157	157	155	18
Transborder	75	59	0	0	16	0	0
Other international	5	4	0	0	0	1	0
<b>Total</b>	<b>5,535</b>	<b>1,595</b>	<b>3,436</b>	<b>157</b>	<b>173</b>	<b>156</b>	<b>18</b>
<b>Montréal/Mirabel International</b>							
Domestic	1,349	548	274	77	370	6	74
Transborder	186	179	0	0	7	0	0
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>1,536</b>	<b>727</b>	<b>274</b>	<b>77</b>	<b>378</b>	<b>6</b>	<b>74</b>
<b>Montréal/Pierre Elliott Trudeau International</b>							
Domestic	9,726	7,954	339	609	675	138	11
Transborder	5,582	5,000	98	77	402	0	5
Other international	1,525	1,420	26	16	59	0	4
<b>Total</b>	<b>16,833</b>	<b>14,374</b>	<b>463</b>	<b>702</b>	<b>1,136</b>	<b>138</b>	<b>20</b>
<b>Montréal/St-Hubert</b>							
Domestic	5,810	2,019	451	2,055	981	128	176
Transborder	156	16	2	2	133	2	1
Other international	4	1	2	0	0	0	1
<b>Total</b>	<b>5,970</b>	<b>2,036</b>	<b>455</b>	<b>2,057</b>	<b>1,114</b>	<b>130</b>	<b>178</b>
<b>Oshawa</b>							
Domestic	2,142	117	72	1,494	452	2	5
Transborder	18	4	1	0	13	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,160</b>	<b>121</b>	<b>73</b>	<b>1,494</b>	<b>465</b>	<b>2</b>	<b>5</b>
<b>Ottawa/Macdonald-Cartier International</b>							
Domestic	8,147	4,611	322	2,155	448	461	150
Transborder	1,886	1,766	18	7	71	12	12
Other international	132	108	2	0	7	1	14
<b>Total</b>	<b>10,165</b>	<b>6,485</b>	<b>342</b>	<b>2,162</b>	<b>526</b>	<b>474</b>	<b>176</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	2,494	14	784	884	780	25	7
Transborder	5	0	1	0	4	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>2,501</b>	<b>14</b>	<b>785</b>	<b>884</b>	<b>786</b>	<b>25</b>	<b>7</b>
<b>Prince George</b>							
Domestic	1,994	1,161	477	47	196	103	10
Transborder	7	1	0	0	5	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,001</b>	<b>1,162</b>	<b>477</b>	<b>47</b>	<b>201</b>	<b>103</b>	<b>11</b>
<b>Québec/Jean Lesage International</b>							
Domestic	6,234	3,327	880	909	612	349	157
Transborder	431	388	5	7	24	0	7
Other international	92	48	10	2	28	0	4
<b>Total</b>	<b>6,757</b>	<b>3,763</b>	<b>895</b>	<b>918</b>	<b>664</b>	<b>349</b>	<b>168</b>
<b>Regina International</b>							
Domestic	3,172	1,667	602	24	263	206	410
Transborder	189	143	3	1	37	1	4
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,361</b>	<b>1,810</b>	<b>605</b>	<b>25</b>	<b>300</b>	<b>207</b>	<b>414</b>
<b>Saskatoon/John G Diefenbaker International</b>							
Domestic	4,951	2,636	927	415	441	305	227
Transborder	320	265	6	2	45	0	2
Other international	1	0	0	0	1	0	0
<b>Total</b>	<b>5,272</b>	<b>2,901</b>	<b>933</b>	<b>417</b>	<b>487</b>	<b>305</b>	<b>229</b>
<b>Sault Ste. Marie</b>							
Domestic	1,871	830	139	794	58	16	34
Transborder	16	3	4	1	8	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,887</b>	<b>833</b>	<b>143</b>	<b>795</b>	<b>66</b>	<b>16</b>	<b>34</b>
<b>St. John's International</b>							
Domestic	2,495	1,525	740	52	73	63	42
Transborder	164	68	0	7	28	0	61
Other international	179	69	5	11	30	5	59
<b>Total</b>	<b>2,838</b>	<b>1,662</b>	<b>745</b>	<b>70</b>	<b>131</b>	<b>68</b>	<b>162</b>
<b>St-Jean</b>							
Domestic	1,631	206	92	394	620	10	309
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,631</b>	<b>206</b>	<b>92</b>	<b>394</b>	<b>620</b>	<b>10</b>	<b>309</b>
<b>Thunder Bay</b>							
Domestic	4,597	2,630	664	958	151	97	97
Transborder	141	122	4	2	12	0	1
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>4,738</b>	<b>2,752</b>	<b>668</b>	<b>960</b>	<b>163</b>	<b>97</b>	<b>98</b>
<b>Toronto/Buttonville Municipal</b>							
Domestic	5,191	210	551	3,007	1,387	36	0
Transborder	231	44	13	24	150	0	0
Other international	1	0	0	1	0	0	0
<b>Total</b>	<b>5,423</b>	<b>254</b>	<b>564</b>	<b>3,032</b>	<b>1,537</b>	<b>36</b>	<b>0</b>
<b>Toronto/City Centre</b>							
Domestic	3,359	1,150	730	1,146	298	21	14
Transborder	588	449	28	2	108	1	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,947</b>	<b>1,599</b>	<b>758</b>	<b>1,148</b>	<b>406</b>	<b>22</b>	<b>14</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	14,462	13,403	374	108	521	37	19
Transborder	14,284	13,405	98	54	723	1	3
Other international	3,709	3,656	16	17	20	0	0
<b>Total</b>	<b>32,455</b>	<b>30,464</b>	<b>488</b>	<b>179</b>	<b>1,264</b>	<b>38</b>	<b>22</b>
<b>Vancouver Harbour</b>							
Domestic	3,343	3,099	218	6	18	2	0
Transborder	53	52	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,396</b>	<b>3,151</b>	<b>218</b>	<b>6</b>	<b>19</b>	<b>2</b>	<b>0</b>
<b>Vancouver International</b>							
Domestic	18,219	15,865	1,318	177	467	382	10
Transborder	4,049	3,773	14	11	247	3	1
Other international	1,313	1,289	18	1	4	1	0
<b>Total</b>	<b>23,581</b>	<b>20,927</b>	<b>1,350</b>	<b>189</b>	<b>718</b>	<b>386</b>	<b>11</b>
<b>Victoria International</b>							
Domestic	6,128	2,560	1,862	658	796	115	137
Transborder	520	374	22	5	118	0	1
Other international	11	5	3	1	2	0	0
<b>Total</b>	<b>6,659</b>	<b>2,939</b>	<b>1,887</b>	<b>664</b>	<b>916</b>	<b>115</b>	<b>138</b>
<b>Whitehorse International</b>							
Domestic	1,011	618	193	30	133	26	11
Transborder	18	8	0	0	8	0	2
Other international	5	2	1	2	0	0	0
<b>Total</b>	<b>1,034</b>	<b>628</b>	<b>194</b>	<b>32</b>	<b>141</b>	<b>26</b>	<b>13</b>
<b>Windsor</b>							
Domestic	1,539	498	700	63	249	28	1
Transborder	82	21	12	1	47	0	1
Other international	5	0	0	0	5	0	0
<b>Total</b>	<b>1,626</b>	<b>519</b>	<b>712</b>	<b>64</b>	<b>301</b>	<b>28</b>	<b>2</b>
<b>Winnipeg/James Armstrong Richardson International</b>							
Domestic	9,001	7,433	596	62	193	279	438
Transborder	1,109	1,012	12	8	59	4	14
Other international	6	2	0	0	2	0	2
<b>Total</b>	<b>10,116</b>	<b>8,447</b>	<b>608</b>	<b>70</b>	<b>254</b>	<b>283</b>	<b>454</b>
<b>Winnipeg/St. Andrews</b>							
Domestic	2,720	425	1,429	650	198	0	18
Transborder	3	1	2	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,723</b>	<b>426</b>	<b>1,431</b>	<b>650</b>	<b>198</b>	<b>0</b>	<b>18</b>
<b>Yellowknife</b>							
Domestic	3,205	2,787	211	68	24	64	51
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>3,205</b>	<b>2,787</b>	<b>211</b>	<b>68</b>	<b>24</b>	<b>64</b>	<b>51</b>
<b>Total of NAV CANADA towers (42)</b>							
Domestic	202,726	112,332	29,909	33,608	19,638	4,239	3,000
Transborder	37,398	33,102	576	287	3,177	36	220
Other international	8,324	7,577	182	67	320	8	170
<b>Total</b>	<b>248,448</b>	<b>153,011</b>	<b>30,667</b>	<b>33,962</b>	<b>23,135</b>	<b>4,283</b>	<b>3,390</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	548	113	173	29	105	16	112
Transborder	11	2	0	0	9	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>559</b>	<b>115</b>	<b>173</b>	<b>29</b>	<b>114</b>	<b>16</b>	<b>112</b>
<b>Campbell River</b>							
Domestic	1,221	507	275	249	166	10	14
Transborder	12	2	0	0	10	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,233</b>	<b>509</b>	<b>275</b>	<b>249</b>	<b>176</b>	<b>10</b>	<b>14</b>
<b>Castlegar</b>							
Domestic	491	243	45	174	27	0	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>491</b>	<b>243</b>	<b>45</b>	<b>174</b>	<b>27</b>	<b>0</b>	<b>2</b>
<b>Charlottetown</b>							
Domestic	1,022	652	84	95	135	30	26
Transborder	13	5	0	0	8	0	0
Other international	2	2	0	0	0	0	0
<b>Total</b>	<b>1,037</b>	<b>659</b>	<b>84</b>	<b>95</b>	<b>143</b>	<b>30</b>	<b>26</b>
<b>Churchill</b>							
Domestic	958	861	66	5	22	4	0
Transborder	1	0	0	0	1	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>960</b>	<b>862</b>	<b>66</b>	<b>5</b>	<b>23</b>	<b>4</b>	<b>0</b>
<b>Cranbrook</b>							
Domestic	621	474	36	4	81	14	12
Transborder	4	0	0	0	2	0	2
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>625</b>	<b>474</b>	<b>36</b>	<b>4</b>	<b>83</b>	<b>14</b>	<b>14</b>
<b>Deer Lake</b>							
Domestic	1,315	1,081	152	51	6	17	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,315</b>	<b>1,081</b>	<b>152</b>	<b>51</b>	<b>6</b>	<b>17</b>	<b>8</b>
<b>Fort McMurray</b>							
Domestic	..	..	..	..	..	..	..
Transborder	..	..	..	..	..	..	..
Other international	..	..	..	..	..	..	..
<b>Total</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>Fort Nelson</b>							
Domestic	1,031	361	319	269	36	14	32
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,032</b>	<b>362</b>	<b>319</b>	<b>269</b>	<b>36</b>	<b>14</b>	<b>32</b>
<b>Fort St John</b>							
Domestic	1,652	757	694	59	108	28	6
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,653</b>	<b>757</b>	<b>694</b>	<b>59</b>	<b>109</b>	<b>28</b>	<b>6</b>
<b>Fredericton International</b>							
Domestic	3,293	711	2,216	115	88	85	78
Transborder	17	1	0	1	11	4	0
Other international	1	0	0	0	0	0	1
<b>Total</b>	<b>3,311</b>	<b>712</b>	<b>2,216</b>	<b>116</b>	<b>99</b>	<b>89</b>	<b>79</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>Grande Prairie</b>							
Domestic	2,246	1,187	642	53	313	49	2
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,249</b>	<b>1,188</b>	<b>642</b>	<b>53</b>	<b>315</b>	<b>49</b>	<b>2</b>
<b>High Level</b>							
Domestic	706	196	459	8	19	22	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>707</b>	<b>196</b>	<b>459</b>	<b>8</b>	<b>20</b>	<b>22</b>	<b>2</b>
<b>Îles-de-la-Madeleine</b>							
Domestic	295	230	18	12	0	35	0
Transborder	3	0	0	0	3	0	0
Other international	2	2	0	0	0	0	0
<b>Total</b>	<b>300</b>	<b>232</b>	<b>18</b>	<b>12</b>	<b>3</b>	<b>35</b>	<b>0</b>
<b>Inuvik/Mike Zubko</b>							
Domestic	1,144	424	686	13	0	14	7
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,144</b>	<b>424</b>	<b>686</b>	<b>13</b>	<b>0</b>	<b>14</b>	<b>7</b>
<b>Iqaluit</b>							
Domestic	1,235	934	130	37	20	104	10
Transborder	18	5	5	0	8	0	0
Other international	54	21	0	9	24	0	0
<b>Total</b>	<b>1,307</b>	<b>960</b>	<b>135</b>	<b>46</b>	<b>52</b>	<b>104</b>	<b>10</b>
<b>Kamloops</b>							
Domestic	1,579	1,042	165	99	198	56	19
Transborder	8	0	1	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,587</b>	<b>1,042</b>	<b>166</b>	<b>99</b>	<b>205</b>	<b>56</b>	<b>19</b>
<b>Kenora</b>							
Domestic	697	342	254	9	46	8	38
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>701</b>	<b>343</b>	<b>254</b>	<b>9</b>	<b>49</b>	<b>8</b>	<b>38</b>
<b>Kingston</b>							
Domestic	1,425	434	254	403	272	44	18
Transborder	26	2	3	1	20	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,451</b>	<b>436</b>	<b>257</b>	<b>404</b>	<b>292</b>	<b>44</b>	<b>18</b>
<b>Kuujuuaq</b>							
Domestic	774	699	39	2	22	12	0
Transborder	0	0	0	0	0	0	0
Other international	2	2	0	0	0	0	0
<b>Total</b>	<b>776</b>	<b>701</b>	<b>39</b>	<b>2</b>	<b>22</b>	<b>12</b>	<b>0</b>
<b>Kuujuarapik</b>							
Domestic	513	501	4	2	0	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>513</b>	<b>501</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>
<b>La Grande Rivière</b>							
Domestic	631	489	94	14	20	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>631</b>	<b>489</b>	<b>94</b>	<b>14</b>	<b>20</b>	<b>14</b>	<b>0</b>
<b>La Ronge</b>							
Domestic	949	835	20	20	9	62	3
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
<b>Total</b>	<b>950</b>	<b>836</b>	<b>20</b>	<b>20</b>	<b>9</b>	<b>62</b>	<b>3</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>Lethbridge</b>							
Domestic	1,358	443	31	576	258	10	40
Transborder	61	8	8	7	38	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,419</b>	<b>451</b>	<b>39</b>	<b>583</b>	<b>296</b>	<b>10</b>	<b>40</b>
<b>Lloydminster</b>							
Domestic	516	146	75	18	239	28	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>518</b>	<b>146</b>	<b>75</b>	<b>18</b>	<b>241</b>	<b>28</b>	<b>10</b>
<b>Medicine Hat</b>							
Domestic	1,073	761	47	26	193	16	30
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,079</b>	<b>762</b>	<b>47</b>	<b>26</b>	<b>198</b>	<b>16</b>	<b>30</b>
<b>Mont-Joli</b>							
Domestic	476	375	62	5	10	22	2
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>477</b>	<b>375</b>	<b>62</b>	<b>6</b>	<b>10</b>	<b>22</b>	<b>2</b>
<b>Nanaimo</b>							
Domestic	1,417	395	338	167	445	72	0
Transborder	17	0	0	0	17	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,434</b>	<b>395</b>	<b>338</b>	<b>167</b>	<b>462</b>	<b>72</b>	<b>0</b>
<b>Norman Wells</b>							
Domestic	934	581	293	22	15	15	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>935</b>	<b>581</b>	<b>293</b>	<b>22</b>	<b>16</b>	<b>15</b>	<b>8</b>
<b>North Bay</b>							
Domestic	1,420	522	369	309	181	20	19
Transborder	26	3	5	0	18	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,446</b>	<b>525</b>	<b>374</b>	<b>309</b>	<b>199</b>	<b>20</b>	<b>19</b>
<b>Ottawa/Gatineau</b>							
Domestic	1,151	136	181	305	460	58	11
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,154</b>	<b>136</b>	<b>181</b>	<b>305</b>	<b>463</b>	<b>58</b>	<b>11</b>
<b>Peace River</b>							
Domestic	654	379	215	0	42	16	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>654</b>	<b>379</b>	<b>215</b>	<b>0</b>	<b>42</b>	<b>16</b>	<b>2</b>
<b>Penticton</b>							
Domestic	1,497	574	549	67	167	71	69
Transborder	13	1	0	0	12	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,510</b>	<b>575</b>	<b>549</b>	<b>67</b>	<b>179</b>	<b>71</b>	<b>69</b>
<b>Port Hardy</b>							
Domestic	515	384	34	12	27	34	24
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>522</b>	<b>384</b>	<b>34</b>	<b>12</b>	<b>34</b>	<b>34</b>	<b>24</b>
<b>Prince Albert</b>							
Domestic	1,513	1,127	106	38	109	117	16
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0

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>Total</b>	<b>1,514</b>	<b>1,127</b>	<b>106</b>	<b>38</b>	<b>110</b>	<b>117</b>	<b>16</b>
<b>Prince Rupert</b>							
Domestic	355	223	85	2	0	45	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>355</b>	<b>223</b>	<b>85</b>	<b>2</b>	<b>0</b>	<b>45</b>	<b>0</b>
<b>Rankin Inlet</b>							
Domestic	840	808	13	1	4	10	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>840</b>	<b>808</b>	<b>13</b>	<b>1</b>	<b>4</b>	<b>10</b>	<b>4</b>
<b>Red Deer Regional</b>							
Domestic	1,864	349	693	171	592	26	33
Transborder	7	1	0	0	6	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,871</b>	<b>350</b>	<b>693</b>	<b>171</b>	<b>598</b>	<b>26</b>	<b>33</b>
<b>Rouyn-Noranda</b>							
Domestic	912	623	116	71	68	34	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>912</b>	<b>623</b>	<b>116</b>	<b>71</b>	<b>68</b>	<b>34</b>	<b>0</b>
<b>Saint John</b>							
Domestic	1,325	741	249	115	181	11	28
Transborder	68	0	0	0	68	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>1,395</b>	<b>741</b>	<b>249</b>	<b>115</b>	<b>251</b>	<b>11</b>	<b>28</b>
<b>Sept-Îles</b>							
Domestic	1,937	1,247	503	35	79	57	16
Transborder	6	0	0	1	5	0	0
Other international	2	0	0	0	2	0	0
<b>Total</b>	<b>1,945</b>	<b>1,247</b>	<b>503</b>	<b>36</b>	<b>86</b>	<b>57</b>	<b>16</b>
<b>Sioux Lookout</b>							
Domestic	2,142	1,716	341	39	32	8	6
Transborder	3	2	1	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,145</b>	<b>1,718</b>	<b>342</b>	<b>39</b>	<b>32</b>	<b>8</b>	<b>6</b>
<b>Smithers</b>							
Domestic	512	397	44	41	18	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>513</b>	<b>397</b>	<b>44</b>	<b>41</b>	<b>19</b>	<b>12</b>	<b>0</b>
<b>St Anthony</b>							
Domestic	338	264	20	46	2	4	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>338</b>	<b>264</b>	<b>20</b>	<b>46</b>	<b>2</b>	<b>4</b>	<b>2</b>
<b>St Catharines</b>							
Domestic	1,018	5	450	72	321	6	164
Transborder	46	5	3	0	38	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,064</b>	<b>10</b>	<b>453</b>	<b>72</b>	<b>359</b>	<b>6</b>	<b>164</b>
<b>Sudbury</b>							
Domestic	2,139	1,404	470	34	171	50	10
Transborder	6	3	1	0	2	0	0
Other international	0	0	0	0	0	0	0



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>Total</b>	<b>2,145</b>	<b>1,407</b>	<b>471</b>	<b>34</b>	<b>173</b>	<b>50</b>	<b>10</b>
<b>Terrace</b>							
Domestic	766	533	156	15	20	38	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>768</b>	<b>533</b>	<b>156</b>	<b>15</b>	<b>22</b>	<b>38</b>	<b>4</b>
<b>Thompson</b>							
Domestic	1,851	1,637	66	0	10	130	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,851</b>	<b>1,637</b>	<b>66</b>	<b>0</b>	<b>10</b>	<b>130</b>	<b>8</b>
<b>Timmins</b>							
Domestic	1,801	1,478	240	9	62	7	5
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>1,804</b>	<b>1,478</b>	<b>240</b>	<b>9</b>	<b>65</b>	<b>7</b>	<b>5</b>
<b>Val-d'Or</b>							
Domestic	959	672	51	75	121	24	16
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>961</b>	<b>672</b>	<b>51</b>	<b>75</b>	<b>123</b>	<b>24</b>	<b>16</b>
<b>Victoria Harbour</b>							
Domestic	2,305	2,199	7	0	8	83	8
Transborder	154	0	0	0	154	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>2,459</b>	<b>2,199</b>	<b>7</b>	<b>0</b>	<b>162</b>	<b>83</b>	<b>8</b>
<b>Wabush</b>							
Domestic	759	578	146	10	19	6	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>760</b>	<b>578</b>	<b>146</b>	<b>10</b>	<b>20</b>	<b>6</b>	<b>0</b>
<b>Whitecourt</b>							
Domestic	891	38	488	308	45	10	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>891</b>	<b>38</b>	<b>488</b>	<b>308</b>	<b>45</b>	<b>10</b>	<b>2</b>
<b>Williams Lake</b>							
Domestic	603	422	53	0	111	15	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
<b>Total</b>	<b>605</b>	<b>422</b>	<b>53</b>	<b>0</b>	<b>113</b>	<b>15</b>	<b>2</b>
<b>Total of all flight service stations (53)</b>							
Domestic	60,187	34,230	13,316	4,311	5,703	1,699	928
Transborder	562	44	27	11	474	4	2
Other international	67	29	0	9	28	0	1
<b>Total</b>	<b>60,816</b>	<b>34,303</b>	<b>13,343</b>	<b>4,331</b>	<b>6,205</b>	<b>1,703</b>	<b>931</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	11	11,313	24	9	143	24	842
Boundary Bay	9	11,477	17	13	118	15	742
Calgary International	3	19,137	19	18	57	25	781
Calgary/Springbank	7	12,895	11	13	124	21	839
Chicoutimi/St-Honoré	28	5,081	4	9	102	5	434
Edmonton City Centre	25	6,071	19	18	38	26	341
Edmonton International	14	10,383	27	12	58	27	444
Edmonton/Villeneuve	29	4,711	1	11	98	1	438
Fort McMurray	30	4,660	14	15	46	14	312
Gander International	39	2,768	13	15	47	13	302
Halifax/Robert L. Stanfield International	24	6,265	3	16	47	28	296
Hamilton	38	3,047	4	12	44	12	209
Kelowna	26	6,044	7	13	76	7	433
Kitchener/Waterloo	21	6,914	12	19	92	5	623
Langley	23	6,424	5	15	80	14	466
London	15	10,227	7	11	109	11	828
Moncton/Greater Moncton International	10	11,400	6	14	77	4	843
Montréal/Mirabel International	41	2,128	21	14	44	1	125
Montréal/Pierre Elliott Trudeau International	4	16,833	21	18	64	20	666
Montréal/St-Hubert	12	11,280	20	11	86	2	704
Oshawa	27	5,304	29	14	91	12	446
Ottawa/Macdonald-Cartier International	5	13,349	6	13	106	5	729
Pitt Meadows	20	7,209	19	15	99	18	546
Prince George	33	3,955	5	12	78	5	309
Québec/Jean Lesage International	17	9,638	12	13	101	5	608
Regina International	31	4,444	22	9	37	24	233
Saskatoon/John G. Diefenbaker International	19	7,778	6	18	75	27	408
Sault Ste. Marie	34	3,709	1	14	65	30	316
St. John's International	37	3,064	13	9	28	13	169
St-Jean	36	3,285	1	10	61	1	334
Thunder Bay	16	9,828	21	19	93	11	788
Toronto/Butterville Municipal	8	11,585	7	14	107	7	756
Toronto/City Centre	22	6,791	8	14	66	1	397
Toronto/Lester B. Pearson International	1	32,455	21	16	99	21	1,260
Vancouver Harbour	35	3,396	12	8	34	5	172
Vancouver International	2	23,581	18	15	91	26	955
Victoria International	6	12,906	15	11	111	13	802
Whitehorse International	42	1,512	15	13	31	15	158
Windsor	40	2,566	4	10	36	6	191
Winnipeg/James Armstrong Richardson International	13	10,862	20	17	55	20	539
Winnipeg/St. Andrews	18	8,069	15	9	104	15	641
Yellowknife	32	4,073	3	15	57	6	247

**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	34	959	17	14	25	17	134
Campbell River	13	2,341	26	9	53	18	284
Castlegar	35	893	17	13	49	3	76
Charlottetown	27	1,189	4	13	21	6	99
Churchill	33	960	21	11	10	5	55
Cranbrook	42	739	17	11	21	14	61
Deer Lake	26	1,343	26	16	27	26	86
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	29	1,178	27	14	37	27	114
Fort St John	19	1,885	27	14	27	27	132
Fredericton International	1	6,896	4	10	70	18	505
Grande Prairie	3	3,437	27	17	48	14	231
High Level	43	725	6	13	13	6	44
Îles-de-la-Madeleine	53	300	21	10	5	10	17
Inuvik/Mike Zubko	28	1,184	9	14	15	17	63
Iqaluit	25	1,399	5	15	18	13	103
Kamloops	15	2,171	18	11	36	13	201
Kenora	36	877	4	17	26	4	62
Kingston	8	2,789	2	9	54	2	237
Kuujuaq	38	806	3	13	7	14	44
Kuujuarapik	50	515	20	13	6	14	30
La Grande Rivière	47	631	28	10	8	24	34
La Ronge	32	966	14	13	19	26	71
Lethbridge	9	2,611	26	17	43	14	180
Lloydminster	46	658	30	15	26	30	91
Medicine Hat	22	1,789	29	18	32	7	118
Mont-Joli	51	477	19	12	6	4	32
Nanaimo	21	1,832	18	10	44	18	196
Norman Wells	6	2,967	7	8	33	15	155
North Bay	2	3,516	5	10	67	4	369
Ottawa/Gatineau	7	2,926	4	16	57	12	268
Peace River	45	660	26	11	9	26	56
Penticton	5	3,066	26	14	55	25	312
Port Hardy	49	528	4	13	7	13	36
Prince Albert	24	1,554	17	14	17	27	101
Prince Rupert	44	711	24	15	31	25	95
Rankin Inlet	37	840	5	13	9	5	56
Red Deer Regional	4	3,293	30	11	47	21	228
Rouyn-Noranda	31	1,024	7	12	23	12	78
Saint John	23	1,647	4	16	19	13	109
Sept-Îles	16	2,035	18	9	19	5	100
Sioux Lookout	14	2,256	29	14	23	4	119
Smithers	48	531	13	15	7	5	41
St Anthony	52	338	7	11	5	7	21
St Catharines	17	1,948	1	11	45	1	239
Sudbury	11	2,540	29	16	29	11	169
Terrace	40	772	12	15	8	13	53
Thompson	20	1,851	3	16	10	18	88
Timmins	18	1,886	4	16	23	18	112
Val-d'Or	30	1,139	30	13	52	30	140
Victoria Harbour	12	2,463	6	9	21	18	135
Wabush	41	766	14	11	12	3	39
Whitecourt	10	2,587	13	13	70	13	241
Williams Lake	39	783	30	14	38	9	65

**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	21	4,149	5	15	41	5	288
Boundary Bay	18	4,777	23	13	54	23	375
Calgary International	3	19,061	19	18	57	25	773
Calgary/Springbank	12	5,653	29	11	50	21	335
Chicoutimi/St-Honoré	37	1,733	6	14	23	13	136
Edmonton City Centre	14	5,463	26	17	32	26	301
Edmonton International	6	10,157	25	8	47	25	420
Edmonton/Villeneuve	41	1,219	25	15	17	1	74
Fort McMurray	20	4,163	14	15	28	14	229
Gander International	36	1,880	14	14	18	13	130
Halifax/Robert L. Stanfield International	11	5,813	28	10	25	27	244
Hamilton	32	2,397	2	13	14	12	139
Kelowna	23	3,892	5	16	26	5	219
Kitchener/Waterloo	26	3,294	5	15	38	5	313
Langley	31	2,444	23	15	42	23	222
London	17	5,003	6	11	43	29	347
Moncton/Greater Moncton International	13	5,535	13	15	33	30	346
Montréal/Mirabel International	40	1,536	9	12	18	19	89
Montréal/Pierre Elliott Trudeau International	4	16,833	21	18	64	20	666
Montréal/St-Hubert	10	5,970	30	14	53	12	440
Oshawa	33	2,160	1	12	29	1	171
Ottawa/Macdonald-Cartier International	5	10,165	12	12	44	12	486
Pitt Meadows	30	2,501	23	13	54	23	256
Prince George	34	2,001	18	13	17	18	111
Québec/Jean Lesage International	8	6,757	12	13	37	21	358
Regina International	25	3,361	27	16	20	4	158
Saskatoon/John G. Diefenbaker International	16	5,272	4	18	27	27	248
Sault Ste. Marie	35	1,887	17	15	16	6	113
St. John's International	28	2,838	23	16	15	26	127
St-Jean	38	1,631	1	10	37	2	282
Thunder Bay	19	4,738	18	15	27	18	249
Toronto/Butterville Municipal	15	5,423	6	15	46	12	355
Toronto/City Centre	22	3,947	1	14	26	1	213
Toronto/Lester B. Pearson International	1	32,455	21	16	99	21	1,260
Vancouver Harbour	24	3,396	12	8	34	5	172
Vancouver International	2	23,581	18	15	91	26	955
Victoria International	9	6,659	23	15	45	13	360
Whitehorse International	42	1,034	13	14	10	7	68
Windsor	39	1,626	6	15	15	6	109
Winnipeg/James Armstrong Richardson International	7	10,116	20	15	45	20	473
Winnipeg/St. Andrews	29	2,723	15	13	30	15	179
Yellowknife	27	3,205	6	15	20	19	167

**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	44	559	24	10	12	20	50
Campbell River	21	1,233	25	9	24	18	106
Castlegar	49	491	26	12	9	14	26
Charlottetown	26	1,037	18	0	11	6	61
Churchill	29	960	21	11	10	5	55
Cranbrook	42	625	23	13	9	14	41
Deer Lake	19	1,315	3	8	9	13	58
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	27	1,032	13	9	16	13	85
Fort St John	10	1,653	5	16	15	10	91
Fredericton International	1	3,311	6	14	21	24	251
Grande Prairie	3	2,249	7	12	20	26	117
High Level	38	707	13	11	10	14	43
Îles-de-la-Madeleine	53	300	21	10	5	10	17
Inuvik/Mike Zubko	23	1,144	5	15	10	17	63
Iqaluit	20	1,307	13	10	13	13	103
Kamloops	11	1,587	7	12	13	13	85
Kenora	39	701	17	12	8	19	45
Kingston	14	1,451	1	14	15	5	87
Kuujuaq	35	776	3	13	7	14	42
Kuujuarapik	48	513	20	13	6	14	30
La Grande Rivière	41	631	28	10	8	24	34
La Ronge	30	950	14	13	19	26	71
Lethbridge	17	1,419	11	14	15	14	82
Lloydminster	46	518	27	17	9	30	47
Medicine Hat	24	1,079	28	9	13	28	72
Mont-Joli	50	477	19	12	6	4	32
Nanaimo	16	1,434	14	11	21	18	104
Norman Wells	31	935	15	15	9	26	46
North Bay	15	1,446	5	10	19	5	122
Ottawa/Gatineau	22	1,154	1	16	18	1	92
Peace River	40	654	26	11	9	26	54
Penticton	13	1,510	5	16	20	5	116
Port Hardy	45	522	4	13	7	13	36
Prince Albert	12	1,514	17	14	17	27	97
Prince Rupert	51	355	29	10	7	29	31
Rankin Inlet	34	840	5	13	9	5	56
Red Deer Regional	7	1,871	9	14	21	21	124
Rouyn-Noranda	32	912	12	10	8	19	47
Saint John	18	1,395	17	15	9	24	89
Sept-Îles	6	1,945	5	11	18	5	100
Sioux Lookout	5	2,145	17	12	15	19	119
Smithers	47	513	13	15	7	5	41
St Anthony	52	338	7	11	5	7	21
St Catharines	25	1,064	1	11	37	1	185
Sudbury	4	2,145	5	17	15	21	111
Terrace	36	768	12	15	8	13	49
Thompson	8	1,851	3	16	10	18	88
Timmins	9	1,804	28	10	11	18	86
Val-d'Or	28	961	6	13	9	22	61
Victoria Harbour	2	2,459	6	9	21	18	133
Wabush	37	760	3	12	11	3	39
Whitecourt	33	891	13	8	12	14	70
Williams Lake	43	605	9	15	9	3	30

**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	2	7,164	24	9	116	24	579
Boundary Bay	3	6,700	15	9	84	15	488
Calgary International	38	76	4	16	10	21	14
Calgary/Springbank	1	7,242	11	13	88	21	504
Chicoutimi/St-Honoré	15	3,348	4	9	90	5	324
Edmonton City Centre	31	608	21	18	22	21	82
Edmonton International	36	226	27	12	26	27	42
Edmonton/Villeneuve	14	3,492	1	11	88	1	364
Fort McMurray	33	497	5	14	30	14	83
Gander International	27	888	13	15	38	13	172
Halifax/Robert L. Stanfield International	35	452	25	11	26	29	72
Hamilton	30	650	4	12	32	12	70
Kelowna	21	2,152	7	13	60	7	244
Kitchener/Waterloo	13	3,620	12	19	74	12	366
Langley	12	3,980	14	9	60	14	322
London	9	5,224	7	11	84	11	528
Moncton/Greater Moncton International	6	5,865	6	14	54	4	524
Montréal/Mirabel International	32	592	21	14	36	1	60
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	5,310	20	12	62	5	364
Oshawa	17	3,144	29	14	64	12	314
Ottawa/Macdonald-Cartier International	16	3,184	6	13	76	4	270
Pitt Meadows	11	4,708	19	11	76	18	414
Prince George	22	1,954	5	15	64	5	200
Québec/Jean Lesage International	18	2,881	12	13	64	5	273
Regina International	25	1,083	15	12	24	11	84
Saskatoon/John G. Diefenbaker International	20	2,506	6	18	60	25	168
Sault Ste. Marie	23	1,822	1	14	54	30	228
St. John's International	37	226	13	9	20	13	60
St-Jean	24	1,654	12	18	50	12	176
Thunder Bay	10	5,090	21	19	86	11	546
Toronto/Butterville Municipal	5	6,162	7	18	84	17	506
Toronto/City Centre	19	2,844	4	12	46	6	214
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	4	6,247	15	11	86	13	442
Whitehorse International	34	478	15	13	26	15	110
Windsor	26	940	4	10	28	4	88
Winnipeg/James Armstrong Richardson International	29	746	20	17	22	20	66
Winnipeg/St. Andrews	7	5,346	15	9	94	15	462
Yellowknife	28	868	3	15	44	2	102

**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	16	400	21	17	24	17	86
Campbell River	11	1,108	26	9	40	18	178
Castlegar	15	402	17	13	44	3	56
Charlottetown	25	152	4	13	18	4	40
Churchill	0	0	0	0	0	0	0
Cranbrook	28	114	17	11	14	23	26
Deer Lake	37	28	26	16	24	26	28
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	26	146	27	14	26	27	50
Fort St John	21	232	27	11	20	27	64
Fredericton International	1	3,585	4	10	54	18	290
Grande Prairie	10	1,188	27	17	38	14	135
High Level	38	18	5	11	4	5	8
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	35	40	6	18	10	9	16
Iqaluit	31	92	5	15	12	5	18
Kamloops	14	584	18	11	30	13	116
Kenora	24	176	4	17	20	1	26
Kingston	8	1,338	2	9	44	2	152
Kuujuaq	36	30	7	10	2	11	8
Kuujuarapik	46	2	29	10	2	29	2
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	40	16	19	17	8	19	8
Lethbridge	9	1,192	26	17	40	14	98
Lloydminster	27	140	30	12	20	30	44
Medicine Hat	13	710	29	18	28	29	70
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	17	398	15	13	40	18	92
Norman Wells	3	2,032	7	8	30	15	122
North Bay	2	2,070	4	11	58	4	262
Ottawa/Gatineau	4	1,772	4	16	50	12	190
Peace River	42	6	26	14	2	28	4
Penticton	6	1,556	25	10	40	25	246
Port Hardy	43	6	11	15	4	11	4
Prince Albert	34	40	1	16	12	1	12
Prince Rupert	19	356	24	15	30	25	78
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	7	1,422	30	11	36	4	120
Rouyn-Noranda	29	112	7	12	20	12	34
Saint John	20	252	14	14	16	4	28
Sept-Îles	32	90	1	20	10	2	18
Sioux Lookout	30	111	29	14	16	4	22
Smithers	39	18	30	9	6	30	6
St Anthony	0	0	0	0	0	0	0
St Catharines	12	884	9	10	38	9	94
Sudbury	18	395	29	16	24	29	65
Terrace	45	4	13	10	4	13	4
Thompson	0	0	0	0	0	0	0
Timmins	33	82	4	18	16	4	30
Val-d'Or	22	178	30	13	44	30	98
Victoria Harbour	44	4	9	13	2	9	2
Wabush	41	6	14	11	6	14	6
Whitecourt	5	1,696	13	13	66	13	186
Williams Lake	23	178	30	14	30	9	38

**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	2	7,162	24	9	116	24	579
Boundary Bay	3	6,700	15	9	84	15	488
Calgary International	38	76	4	16	10	21	14
Calgary/Springbank	1	7,241	11	13	88	21	504
Chicoutimi/St-Honoré	15	3,342	4	9	90	5	324
Edmonton City Centre	30	596	21	18	22	21	78
Edmonton International	36	226	27	12	26	27	42
Edmonton/Villeneuve	14	3,492	1	11	88	1	364
Fort McMurray	33	497	5	14	30	14	83
Gander International	28	672	13	15	38	13	160
Halifax/Robert L Stanfield International	35	378	3	16	24	29	72
Hamilton	29	650	4	12	32	12	70
Kelowna	21	2,117	7	13	60	7	244
Kitchener/Waterloo	13	3,620	12	19	74	12	366
Langley	12	3,980	14	9	60	14	322
London	9	5,224	7	11	84	11	528
Moncton/Greater Moncton International	6	5,863	6	14	54	4	524
Montréal/Mirabel International	31	586	21	14	36	1	60
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	5,304	20	12	62	5	364
Oshawa	16	3,142	29	14	64	12	314
Ottawa/Macdonald-Cartier International	17	3,117	6	13	76	5	260
Pitt Meadows	11	4,708	19	11	76	18	414
Prince George	22	1,930	5	15	64	5	200
Québec/Jean Lesage International	18	2,879	12	13	64	5	273
Regina International	25	1,007	15	12	24	11	84
Saskatoon/John G Diefenbaker International	20	2,314	6	18	60	25	166
Sault Ste. Marie	23	1,808	1	14	54	30	228
St. John's International	37	226	13	9	20	13	60
St-Jean	24	1,654	12	18	50	12	176
Thunder Bay	10	5,046	21	19	86	11	546
Toronto/Buttonville Municipal	4	6,162	7	18	84	17	506
Toronto/City Centre	19	2,844	4	12	46	6	214
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	5	6,004	15	11	86	18	425
Whitehorse International	34	478	15	13	26	15	110
Windsor	26	940	4	10	28	4	88
Winnipeg/James Armstrong Richardson International	32	580	20	17	22	20	66
Winnipeg/St. Andrews	7	5,346	15	9	94	15	462
Yellowknife	27	764	2	15	42	2	102



**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	18	382	21	17	24	17	86
Campbell River	11	1,108	26	9	40	18	178
Castlegar	15	402	17	13	44	3	56
Charlottetown	24	152	4	13	18	4	40
Churchill	0	0	0	0	0	0	0
Cranbrook	28	112	17	11	14	23	26
Deer Lake	37	28	26	16	24	26	28
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	25	146	27	14	26	27	50
Fort St John	21	232	27	11	20	27	64
Fredericton International	1	3,583	4	10	54	18	290
Grande Prairie	9	1,188	27	17	38	14	135
High Level	38	18	5	11	4	5	8
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	34	40	6	18	10	9	16
Iqaluit	31	92	5	15	12	5	18
Kamloops	14	584	18	11	30	13	116
Kenora	26	139	4	17	20	1	26
Kingston	8	1,326	2	9	44	2	152
Kuujuuaq	36	30	7	10	2	11	8
Kuujuuarapik	46	2	29	10	2	29	2
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	40	16	19	17	8	19	8
Lethbridge	10	1,170	26	17	40	14	98
Lloydminster	27	138	30	12	20	30	44
Medicine Hat	13	684	29	18	28	29	70
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	16	398	15	13	40	18	92
Norman Wells	3	2,032	7	8	30	15	122
North Bay	2	2,070	4	11	58	4	262
Ottawa/Gatineau	4	1,772	4	16	50	12	190
Peace River	41	6	26	14	2	28	4
Penticton	6	1,556	25	10	40	25	246
Port Hardy	42	6	11	15	4	11	4
Prince Albert	35	40	1	16	12	1	12
Prince Rupert	19	356	24	15	30	25	78
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	7	1,420	30	11	36	4	120
Rouyn-Noranda	29	112	7	12	20	12	34
Saint John	20	244	14	14	16	4	28
Sept-Îles	32	90	1	20	10	2	18
Sioux Lookout	30	111	29	14	16	4	22
Smithers	39	18	30	9	6	30	6
St Anthony	0	0	0	0	0	0	0
St Catharines	12	884	9	10	38	9	94
Sudbury	17	395	29	16	24	29	65
Terrace	44	4	13	10	4	13	4
Thompson	0	0	0	0	0	0	0
Timmins	33	82	4	18	16	4	30
Val-d'Or	23	178	30	13	44	30	98
Victoria Harbour	45	4	9	13	2	9	2
Wabush	43	6	14	11	6	14	6
Whitecourt	5	1,696	13	13	66	13	186
Williams Lake	22	178	30	14	30	9	38

**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	17	2	26	14	2	26	2
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	21	1	12	10	1	12	1
Chicoutimi/St-Honoré	16	6	19	11	4	19	4
Edmonton City Centre	13	12	21	11	4	18	4
Edmonton International	0	0	0	0	0	0	0
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Gander International	2	216	5	9	18	5	34
Halifax/Robert L Stanfield International	7	74	20	15	10	20	24
Hamilton	0	0	0	0	0	0	0
Kelowna	10	35	14	16	20	14	20
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	18	2	3	10	2	3	2
Montréal/Mirabel International	14	6	12	14	6	12	6
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	15	6	24	14	6	24	6
Oshawa	20	2	5	10	2	5	2
Ottawa/Macdonald-Cartier International	8	67	17	9	15	17	27
Pitt Meadows	0	0	0	0	0	0	0
Prince George	11	24	15	15	12	15	20
Québec/Jean Lesage International	19	2	3	22	1	3	1
Regina International	6	76	8	21	14	8	18
Saskatoon/John G Diefenbaker International	3	192	22	18	28	22	50
Sault Ste. Marie	12	14	23	11	12	23	12
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	9	44	23	13	12	23	18
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/City Centre	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	243	27	14	26	27	38
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	4	166	25	10	18	27	42
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	5	104	7	12	16	7	34

**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	4	18	25	9	8	25	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	8	2	26	13	2	26	2
Deer Lake	0	0	0	0	0	0	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	7	2	2	20	2	2	2
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	1	37	19	13	16	20	21
Kingston	5	12	5	10	12	5	12
Kuujuaq	0	0	0	0	0	0	0
Kuujuarapik	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	22	27	17	8	27	12
Lloydminster	9	2	26	12	2	26	2
Medicine Hat	2	26	7	9	12	7	12
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
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	10	2	14	12	2	14	2
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	6	8	13	11	6	13	8
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 Anthony	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. Preliminary monthly data by class of operation are released in **Preliminary aircraft movement statistics**, catalogue no. 51F0001P (TP-1496 (NAV CANADA towered airports only)). Data which follow in **Aircraft movement statistics - Monthly** report, catalogue nos. 51-007-X and 51-008-X (TP-141) may contain revisions to the originally released figures. Annual tables, which may reflect further revisions, are released in the publication, **Aircraft movement statistics - 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 TP-577, they are contained in the five year historical summary of subsequent editions of TP-577. 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

Air Canada has cancelled 10 routes and suspended three other routes this winter in order to reduce fuel costs.

Porter Airlines has added regular year-round service between Toronto City Centre and Newark Liberty International Airport.

West Jet has commenced new seasonal non-stop service between various Canadian Airports and Las Vegas, Nevada.

Sudbury, Ontario – As of June 2008, data for Sudbury are found in tables relating to Nav Canada Flight Service Stations.

Fort McMurray, Alberta – As of October 2008, data for Fort McMurray are found in tables relating to Nav Canada Towers.

Zoom Airlines suspended operations effective August 28, 2008.

## 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 each of the two calendar years immediately preceding the report year, realized annual gross revenues of \$1,000,000 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 each of the two calendar years immediately preceding the report year, realized annual gross revenues of less than \$1,000,000 for the air services for which the air carrier held a licence. Since 2000, levels IV and VI are no longer 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 "state" 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.

### 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 Mirabel airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Mirabel and the arrival at Toronto would be shown as "domestic".

### Itinerant movements

#### 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 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 any totals in this publication.

### **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.

### **Weight group**

The classification of weight classes in groups for statistical purposes.