

Transportation Safety Board of Canada

**Table 1**  
**Aviation Occurrence and Casualty Statistics - December 2007**

	December			Year To Date		
	2007	2006	2002-2006 Average	2007	2006	2002-2006 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>9</b>	<b>12</b>	<b>10</b>	<b>284</b>	<b>262</b>	<b>268</b>
Aeroplanes Involved <sup>2</sup>	9	9	8	237	208	214
Airliners	1	1	0	5	7	6
Commuters	0	0	0	4	4	5
Air Taxis	1	0	2	38	31	37
Aerial Work	0	0	0	11	14	13
State	0	0	0	1	4	3
Corporate	0	0	0	7	2	3
Private/Other <sup>3</sup>	7	8	5	170	146	148
Helicopters Involved	0	3	2	46	56	49
Other Aircraft Involved <sup>4</sup>	0	0	0	4	4	9
<b>Fatal Accidents</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>33</b>	<b>31</b>	<b>30</b>
Aeroplanes Involved	1	0	1	25	23	22
Airliners	0	0	0	0	0	0
Commuters	0	0	0	1	0	0
Air Taxis	0	0	0	4	5	5
Aerial Work	0	0	0	1	1	1
State	0	0	0	0	1	1
Corporate	0	0	0	1	0	0
Private/Other <sup>3</sup>	1	0	0	17	16	15
Helicopters Involved	0	0	0	7	9	6
Other Aircraft Involved	0	0	0	2	0	2
<b>Fatalities</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>49</b>	<b>52</b>	<b>50</b>
<b>Serious Injuries</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>56</b>	<b>40</b>	<b>38</b>
<b>Canadian-Registered Ultralight Aircraft Accidents</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>28</b>	<b>35</b>
Fatal Accidents	0	0	0	5	1	6
Fatalities	0	0	0	6	1	8
Serious Injuries	0	0	0	7	12	9
<b>Foreign-Registered Aircraft Accidents in Canada</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>10</b>	<b>14</b>	<b>19</b>
Fatal Accidents	0	0	0	0	2	4
Fatalities	0	0	0	0	2	6
Serious Injuries	0	0	0	2	1	4
<b>All Aircraft: Reportable Incidents</b>	<b>86</b>	<b>71</b>	<b>70</b>	<b>895</b>	<b>826</b>	<b>851</b>
Risk of Collision/Loss of Separation	11	12	12	171	171	184
Declared Emergency	33	24	24	302	260	267
Engine Failure	9	12	10	137	136	144
Smoke/Fire	14	12	9	125	107	102
Collision	5	1	2	14	21	18
Other	14	10	13	146	131	136

<sup>1</sup> Ultralight aircraft excluded.

<sup>2</sup> As some accidents may involve multiple aircraft, the number of aircraft involved may differ from the total number of accidents.

<sup>3</sup> Other: contains, but is not limited to, organizations that rent aircraft (i.e. flying schools, flying clubs, etc.).

<sup>4</sup> Includes gliders, balloons and gyrocopters.

Figures are preliminary as of January 14, 2008.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.

Transportation Safety Board of Canada

**Table 2**  
**Canadian-Registered Fixed Wing and Rotary Wing Aircraft Involved in Accidents - December 2007**  
**By Type of Operation**

	December			Year To Date		
	2007	2006	2002-2006 Average	2007	2006	2002-2006 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>9</b>	<b>12</b>	<b>10</b>	<b>284</b>	<b>262</b>	<b>268</b>
<b>Aeroplanes Involved</b>	<b>9</b>	<b>9</b>	<b>8</b>	<b>237</b>	<b>208</b>	<b>214</b>
Training	1	4	2	33	34	26
Pleasure/Travel	6	4	3	120	96	111
Business	1	0	0	15	8	7
Forest Fire Management	0	0	0	0	5	3
Test/Demonstration/Ferry	0	0	0	8	6	6
Aerial Application	0	0	0	8	8	7
Inspection	0	0	0	0	1	1
Air Transport	1	1	2	41	38	40
Air Ambulance	0	0	0	2	3	2
Other/Unknown	0	0	0	10	9	12
<b>Helicopters Involved</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>46</b>	<b>56</b>	<b>49</b>
Training	0	0	0	3	2	5
Pleasure/Travel	0	0	0	4	4	5
Business	0	0	0	4	0	2
Forest Fire Management	0	0	0	0	3	4
Test/Demonstration/Ferry	0	0	0	3	2	2
Aerial Application	0	0	0	2	0	1
Inspection	0	0	0	1	1	2
Air Transport	0	2	1	16	29	18
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	1	1	13	15	12
<b>Fatal Accidents</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>33</b>	<b>31</b>	<b>30</b>
<b>Aeroplanes and Helicopters Involved</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>32</b>	<b>32</b>	<b>29</b>
Training	1	0	0	3	4	2
Pleasure/Travel	0	0	0	10	11	13
Business	0	0	0	2	1	1
Forest Fire Management	0	0	0	0	2	1
Test/Demonstration/Ferry	0	0	0	4	2	2
Aerial Application	0	0	0	1	0	0
Inspection	0	0	0	1	0	1
Air Transport	0	0	0	7	7	6
Air Ambulance	0	0	0	1	0	0
Other/Unknown	0	0	0	3	5	3
<b>Fatalities</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>49</b>	<b>52</b>	<b>50</b>
<b>Serious Injuries</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>56</b>	<b>40</b>	<b>38</b>

<sup>1</sup> Ultralight aircraft excluded.

Figures are preliminary as of January 14, 2008.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.

**Transportation Safety Board of Canada**

**Table 3**

**Canadian-Registered Aircraft Involved in Incidents - December 2007**

**Selected Reportable Incident Types by First Event**

	December			Year To Date		
	2007	2006	2002-2006 Average	2007	2006	2002-2006 Average
<b>Risk of Collision/Loss of Separation</b>	<b>10</b>	<b>22</b>	<b>16</b>	<b>245</b>	<b>248</b>	<b>250</b>
Air Proximity	3	8	3	83	74	70
Air Traffic Services Event	6	13	12	133	146	144
Altitude Related	0	0	0	6	4	7
Runway Incursion	1	0	1	13	8	13
Other	0	1	1	10	16	17
<b>Declared Emergency</b>	<b>19</b>	<b>17</b>	<b>18</b>	<b>185</b>	<b>184</b>	<b>200</b>
Landing Gear Failure	2	2	3	36	44	36
Hydraulic Failure	3	4	2	26	29	27
Electrical Failure	0	0	1	6	5	8
Other Component Failure	10	10	8	83	75	71
Other	4	1	3	34	31	59
<b>Engine Failure</b>	<b>8</b>	<b>12</b>	<b>9</b>	<b>108</b>	<b>106</b>	<b>116</b>
Power Loss	3	5	4	50	54	50
Component Failure	4	7	5	49	47	57
Other	1	0	0	9	5	8
<b>Smoke/Fire</b>	<b>12</b>	<b>12</b>	<b>8</b>	<b>106</b>	<b>86</b>	<b>83</b>
Fire/Explosion	10	7	6	75	63	61
Component Failure	2	5	2	28	22	21
Other	0	0	0	3	1	1
<b>Difficulty in Controlling Aircraft</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>38</b>	<b>32</b>	<b>37</b>
Component Failure	2	1	1	14	11	15
Weather Related	1	0	1	15	11	10
Other	1	3	2	9	10	12

Figures are preliminary as of January 14, 2008.

All five-year averages have been rounded. Totals sometimes do not coincide to the sum of averages.