

Transportation Safety Board of Canada

**Table 1**  
**Aviation Occurrence and Casualty Statistics - December 2009**

	December			Year To Date		
	2009	2008	2004-2008 Average	2009	2008	2004-2008 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>11</b>	<b>5</b>	<b>9</b>	<b>248</b>	<b>252</b>	<b>262</b>
Aeroplanes Involved <sup>2</sup>	10	4	8	214	201	212
Airliners	0	0	0	2	8	6
Commuters	0	1	0	5	6	4
Air Taxis	2	0	1	35	41	37
Aerial Work	1	0	0	11	12	12
State	0	0	0	2	3	2
Corporate	0	0	0	4	4	5
Private/Other <sup>3</sup>	6	3	5	154	127	146
Helicopters Involved	1	1	1	32	42	47
Other Aircraft Involved <sup>4</sup>	0	0	0	7	13	8
<b>Fatal Accidents</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>28</b>	<b>26</b>	<b>30</b>
Aeroplanes Involved	1	1	1	20	16	21
Airliners	0	0	0	0	0	0
Commuters	0	0	0	0	0	0
Air Taxis	1	0	0	5	3	4
Aerial Work	0	0	0	0	0	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	2	1
Private/Other <sup>3</sup>	0	1	1	15	11	14
Helicopters Involved	0	1	0	7	9	8
Other Aircraft Involved	0	0	0	1	1	1
<b>Fatalities</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>64</b>	<b>51</b>	<b>49</b>
<b>Serious Injuries</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>34</b>	<b>38</b>	<b>40</b>
<b>Canadian-Registered Ultralight Aircraft Accidents</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>29</b>	<b>31</b>
Fatal Accidents	0	0	0	3	12	6
Fatalities	0	0	0	4	13	7
Serious Injuries	1	0	0	9	4	8
<b>Foreign-Registered Aircraft Accidents in Canada</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>14</b>	<b>15</b>	<b>15</b>
Fatal Accidents	0	0	0	2	0	2
Fatalities	0	0	0	2	0	4
Serious Injuries	0	0	0	3	5	5
<b>All Aircraft: Reportable Incidents</b>	<b>59</b>	<b>80</b>	<b>77</b>	<b>802</b>	<b>916</b>	<b>874</b>
Risk of Collision/Loss of Separation	8	12	13	152	176	184
Declared Emergency	34	36	28	314	327	278
Engine Failure	5	9	11	108	128	138
Smoke/Fire	8	5	10	102	108	107
Collision	1	0	2	9	9	15
Other	3	18	14	117	168	150

<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 15 2010

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 2009**  
**By Type of Operation**

	December			Year To Date		
	2009	2008	2004-2008 Average	2009	2008	2004-2008 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>11</b>	<b>5</b>	<b>9</b>	<b>248</b>	<b>252</b>	<b>262</b>
<b>Aeroplanes Involved</b>	<b>10</b>	<b>4</b>	<b>8</b>	<b>214</b>	<b>201</b>	<b>212</b>
Training	3	0	2	43	30	28
Pleasure/Travel	4	2	3	109	82	106
Business	0	0	0	4	7	8
Forest Fire Management	0	0	0	3	1	2
Test/Demonstration/Ferry	0	1	0	0	4	6
Aerial Application	0	0	0	5	9	7
Inspection	1	0	0	1	1	1
Air Transport	1	1	2	33	50	40
Air Ambulance	1	0	0	5	3	2
Other/Unknown	0	0	0	11	14	11
<b>Helicopters Involved</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>32</b>	<b>42</b>	<b>47</b>
Training	0	0	0	5	6	4
Pleasure/Travel	0	1	0	5	9	7
Business	1	0	0	3	0	1
Forest Fire Management	0	0	0	4	0	2
Test/Demonstration/Ferry	0	0	0	0	0	1
Aerial Application	0	0	0	0	1	1
Inspection	0	0	0	0	0	1
Air Transport	0	0	1	10	22	20
Air Ambulance	0	0	0	0	1	0
Other/Unknown	0	0	0	5	3	10
<b>Fatal Accidents</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>28</b>	<b>26</b>	<b>30</b>
<b>Aeroplanes and Helicopters Involved</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>27</b>	<b>25</b>	<b>29</b>
Training	0	0	0	2	0	2
Pleasure/Travel	0	2	0	15	10	12
Business	0	0	0	1	2	1
Forest Fire Management	0	0	0	1	0	0
Test/Demonstration/Ferry	0	0	0	0	1	2
Aerial Application	0	0	0	0	1	0
Inspection	0	0	0	0	0	0
Air Transport	1	0	0	7	7	7
Air Ambulance	0	0	0	1	0	0
Other/Unknown	0	0	0	0	4	3
<b>Fatalities</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>64</b>	<b>51</b>	<b>49</b>
<b>Serious Injuries</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>34</b>	<b>38</b>	<b>40</b>

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

Figures are preliminary as of January 15 2010

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 2009**

**Selected Reportable Incident Types by First Event**

	December			Year To Date		
	2009	2008	2004-2008 Average	2009	2008	2004-2008 Average
<b>Risk of Collision/Loss of Separation</b>	<b>14</b>	<b>18</b>	<b>18</b>	<b>221</b>	<b>250</b>	<b>256</b>
Air Proximity	4	5	4	88	83	79
Air Traffic Services Event	9	7	12	108	134	143
Altitude Related	0	2	0	4	8	7
Runway Incursion	1	2	1	11	9	11
Other	0	2	1	10	16	16
<b>Declared Emergency</b>	<b>25</b>	<b>22</b>	<b>18</b>	<b>235</b>	<b>235</b>	<b>192</b>
Landing Gear Failure	1	5	4	59	47	40
Hydraulic Failure	6	1	2	29	19	24
Electrical Failure	0	2	1	12	7	7
Other Component Failure	11	8	8	91	114	79
Other	7	6	3	44	48	42
<b>Engine Failure</b>	<b>3</b>	<b>8</b>	<b>9</b>	<b>93</b>	<b>98</b>	<b>109</b>
Power Loss	1	3	4	45	45	52
Component Failure	2	5	5	43	44	49
Other	0	0	0	5	9	9
<b>Smoke/Fire</b>	<b>6</b>	<b>5</b>	<b>9</b>	<b>84</b>	<b>90</b>	<b>90</b>
Fire/Explosion	4	4	7	64	64	66
Component Failure	1	1	2	18	21	22
Other	1	0	0	2	5	2
<b>Difficulty in Controlling Aircraft</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>18</b>	<b>32</b>	<b>37</b>
Component Failure	0	1	1	5	12	15
Weather Related	0	0	0	2	4	10
Other	1	4	2	11	16	12

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