

Transportation Safety Board of Canada

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

	August			Year To Date		
	2009	2008	2004-2008 Average	2009	2008	2004-2008 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>37</b>	<b>43</b>	<b>38</b>	<b>182</b>	<b>189</b>	<b>193</b>
Aeroplanes Involved <sup>2</sup>	31	33	29	159	144	156
Airliners	1	0	0	2	4	4
Commuters	0	0	0	5	2	2
Air Taxis	0	6	4	22	30	28
Aerial Work	2	1	2	10	11	11
State	0	1	0	2	2	2
Corporate	1	0	0	3	4	4
Private/Other <sup>3</sup>	27	25	23	115	91	106
Helicopters Involved	5	7	8	22	37	35
Other Aircraft Involved <sup>4</sup>	1	3	2	5	9	5
<b>Fatal Accidents</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>20</b>	<b>20</b>	<b>21</b>
Aeroplanes Involved	3	4	4	13	12	16
Airliners	0	0	0	0	0	0
Commuters	0	0	0	0	0	0
Air Taxis	0	2	1	2	2	3
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>	3	2	3	11	8	11
Helicopters Involved	3	3	1	6	8	5
Other Aircraft Involved	0	0	0	1	0	1
<b>Fatalities</b>	<b>9</b>	<b>14</b>	<b>10</b>	<b>45</b>	<b>37</b>	<b>35</b>
<b>Serious Injuries</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>21</b>	<b>29</b>	<b>29</b>
<b>Canadian-Registered Ultralight Aircraft Accidents</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>23</b>	<b>17</b>	<b>21</b>
Fatal Accidents	1	3	1	2	7	4
Fatalities	2	4	1	3	8	5
Serious Injuries	1	1	1	5	2	5
<b>Foreign-Registered Aircraft Accidents in Canada</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>11</b>	<b>12</b>	<b>12</b>
Fatal Accidents	0	0	1	1	0	1
Fatalities	0	0	1	1	0	2
Serious Injuries	0	5	3	3	5	5
<b>All Aircraft: Reportable Incidents</b>	<b>75</b>	<b>73</b>	<b>74</b>	<b>564</b>	<b>623</b>	<b>595</b>
Risk of Collision/Loss of Separation	21	16	19	100	123	125
Declared Emergency	26	22	21	214	215	185
Engine Failure	8	10	13	86	86	99
Smoke/Fire	9	9	8	70	75	74
Collision	1	2	1	8	7	10
Other	10	14	12	86	117	102

<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 September 16, 2009.

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

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**Table 2**  
**Canadian-Registered Fixed Wing and Rotary Wing Aircraft Involved in Accidents - August 2009**  
**By Type of Operation**

	August			Year To Date		
	2009	2008	2004-2008 Average	2009	2008	2004-2008 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>37</b>	<b>43</b>	<b>38</b>	<b>182</b>	<b>189</b>	<b>193</b>
<b>Aeroplanes Involved</b>	<b>31</b>	<b>33</b>	<b>29</b>	<b>159</b>	<b>144</b>	<b>156</b>
Training	3	4	3	36	23	20
Pleasure/Travel	23	13	17	80	59	79
Business	0	3	1	2	5	6
Forest Fire Management	0	0	0	3	1	2
Test/Demonstration/Ferry	0	0	1	0	2	4
Aerial Application	1	3	2	4	9	7
Inspection	0	0	0	0	0	0
Air Transport	1	5	3	22	34	30
Air Ambulance	0	0	0	4	2	1
Other/Unknown	3	5	2	8	9	8
<b>Helicopters Involved</b>	<b>5</b>	<b>7</b>	<b>8</b>	<b>22</b>	<b>37</b>	<b>35</b>
Training	0	1	0	4	5	3
Pleasure/Travel	1	1	1	2	6	4
Business	1	0	0	1	0	0
Forest Fire Management	1	0	0	2	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	2	5	4	10	21	15
Air Ambulance	0	0	0	0	1	0
Other/Unknown	0	0	2	3	3	7
<b>Fatal Accidents</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>20</b>	<b>20</b>	<b>21</b>
<b>Aeroplanes and Helicopters Involved</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>19</b>	<b>20</b>	<b>21</b>
Training	0	0	1	2	0	1
Pleasure/Travel	4	0	2	11	6	8
Business	0	1	0	0	2	1
Forest Fire Management	1	0	0	1	0	0
Test/Demonstration/Ferry	0	0	0	0	1	2
Aerial Application	0	1	0	0	1	0
Inspection	0	0	0	0	0	0
Air Transport	1	4	1	4	6	5
Air Ambulance	0	0	0	1	0	0
Other/Unknown	0	1	0	0	4	2
<b>Fatalities</b>	<b>9</b>	<b>14</b>	<b>10</b>	<b>45</b>	<b>37</b>	<b>35</b>
<b>Serious Injuries</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>21</b>	<b>29</b>	<b>29</b>

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

Figures are preliminary as of September 16, 2009.

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

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**Table 3**  
**Canadian-Registered Aircraft Involved in Incidents - August 2009**  
**Selected Reportable Incident Types by First Event**

	August			Year To Date		
	2009	2008	2004-2008 Average	2009	2008	2004-2008 Average
<b>Risk of Collision/Loss of Separation</b>	<b>28</b>	<b>22</b>	<b>28</b>	<b>144</b>	<b>167</b>	<b>174</b>
Air Proximity	17	10	9	69	53	56
Air Traffic Services Event	11	12	15	57	95	95
Altitude Related	0	0	1	3	4	4
Runway Incursion	0	0	1	6	3	7
Other	0	0	1	9	12	11
<b>Declared Emergency</b>	<b>23</b>	<b>15</b>	<b>15</b>	<b>160</b>	<b>155</b>	<b>125</b>
Landing Gear Failure	5	2	3	45	35	28
Hydraulic Failure	4	1	1	18	13	17
Electrical Failure	3	0	0	11	4	5
Other Component Failure	7	8	6	61	73	48
Other	4	4	4	25	30	28
<b>Engine Failure</b>	<b>7</b>	<b>10</b>	<b>10</b>	<b>77</b>	<b>66</b>	<b>77</b>
Power Loss	7	4	5	40	27	36
Component Failure	0	4	3	32	33	35
Other	0	2	2	5	6	5
<b>Smoke/Fire</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>60</b>	<b>62</b>	<b>62</b>
Fire/Explosion	4	4	4	46	43	44
Component Failure	3	2	2	13	15	15
Other	0	1	0	1	4	2
<b>Difficulty in Controlling Aircraft</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>11</b>	<b>22</b>	<b>27</b>
Component Failure	1	1	1	5	10	11
Weather Related	0	0	1	0	2	8
Other	2	1	1	6	10	7

Figures are preliminary as of September 16, 2009.

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