

Transportation Safety Board of Canada

**Table 1**  
**Aviation Occurrence and Casualty Statistics - August 2005**

	August			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>39</b>	<b>36</b>	<b>40</b>	<b>181</b>	<b>189</b>	<b>214</b>
Aeroplanes Involved <sup>2</sup>	28	26	31	152	154	172
Airliners	0	0	1	5	3	4
Commuters	0	0	0	4	0	3
Air Taxis	1	3	5	22	33	28
Aerial Work	1	2	3	11	6	13
State	0	0	0	0	1	2
Corporate	1	0	0	4	3	2
Private/Other <sup>3</sup>	25	21	22	106	108	118
Helicopters Involved	9	7	6	30	32	37
Other Aircraft Involved <sup>4</sup>	2	3	3	3	7	9
<b>Fatal Accidents</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>17</b>	<b>21</b>	<b>23</b>
Aeroplanes Involved	2	3	4	14	16	17
Airliners	0	0	0	0	0	0
Commuters	0	0	0	1	0	0
Air Taxis	0	0	0	3	3	2
Aerial Work	0	0	0	0	0	1
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other <sup>3</sup>	2	3	3	10	13	12
Helicopters Involved	0	1	1	3	3	4
Other Aircraft Involved	0	0	1	0	2	2
<b>Fatalities</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>23</b>	<b>34</b>	<b>38</b>
<b>Serious Injuries</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>24</b>	<b>18</b>	<b>30</b>
<b>Canadian-Registered Ultralight Aircraft Accidents</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>23</b>	<b>23</b>	<b>27</b>
Fatal Accidents	1	1	1	4	5	4
Fatalities	1	1	1	5	8	6
Serious Injuries	4	1	2	8	4	7
<b>Foreign-Registered Aircraft Accidents in Canada</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>14</b>	<b>14</b>	<b>16</b>
Fatal Accidents	2	1	1	4	1	3
Fatalities	4	2	1	7	2	4
Serious Injuries	0	0	0	3	0	1
<b>All Aircraft: Reportable Incidents</b>	<b>80</b>	<b>72</b>	<b>78</b>	<b>560</b>	<b>617</b>	<b>582</b>
Risk of Collision/Loss of Separation	20	24	22	117	153	136
Declared Emergency	21	19	21	151	188	182
Engine Failure	16	9	14	111	95	109
Smoke/Fire	8	6	9	69	64	71
Collision	0	0	1	5	17	11
Other	15	14	10	107	100	73

<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 12, 2005.

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 2005**  
**By Type of Operation**

	August			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>39</b>	<b>36</b>	<b>40</b>	<b>181</b>	<b>189</b>	<b>214</b>
<b>Aeroplanes Involved</b>	<b>28</b>	<b>26</b>	<b>31</b>	<b>152</b>	<b>154</b>	<b>172</b>
Training	1	3	3	11	20	24
Pleasure/Travel	21	17	17	87	87	85
Business	0	2	2	5	4	6
Forest Fire Management	0	1	0	2	2	2
Test/Demonstration/Ferry	0	1	1	3	5	5
Aerial Application	1	0	2	6	3	9
Inspection	0	0	0	1	0	1
Air Transport	1	1	5	24	26	30
Air Ambulance	0	0	0	0	2	1
Other/Unknown	4	1	2	13	5	8
<b>Helicopters Involved</b>	<b>9</b>	<b>7</b>	<b>6</b>	<b>30</b>	<b>32</b>	<b>37</b>
Training	0	0	0	2	3	6
Pleasure/Travel	1	1	1	6	3	2
Business	0	0	0	0	0	2
Forest Fire Management	0	1	1	1	4	4
Test/Demonstration/Ferry	0	0	0	0	2	2
Aerial Application	0	0	0	2	1	1
Inspection	0	1	0	0	2	1
Air Transport	5	3	1	9	13	10
Air Ambulance	1	0	0	1	0	0
Other/Unknown	2	1	2	9	4	9
<b>Fatal Accidents</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>17</b>	<b>21</b>	<b>23</b>
<b>Aeroplanes and Helicopters Involved</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>17</b>	<b>19</b>	<b>21</b>
Training	0	1	0	0	3	2
Pleasure/Travel	2	3	3	11	10	10
Business	0	0	0	0	0	1
Forest Fire Management	0	0	0	0	0	1
Test/Demonstration/Ferry	0	0	0	1	0	1
Aerial Application	0	0	0	0	0	1
Inspection	0	0	0	0	1	1
Air Transport	0	0	0	4	4	3
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	0	0	1	1	2
<b>Fatalities</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>23</b>	<b>34</b>	<b>38</b>
<b>Serious Injuries</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>24</b>	<b>18</b>	<b>30</b>

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

Figures are preliminary as of September 12, 2005.

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 2005**  
**Selected Reportable Incident Types by First Event**

	August			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
<b>Risk of Collision/Loss of Separation</b>	<b>28</b>	<b>34</b>	<b>30</b>	<b>157</b>	<b>208</b>	<b>183</b>
Air Proximity	9	13	9	48	68	51
Air Traffic Services Event	13	17	18	88	109	104
Altitude Related	2	0	0	8	2	4
Runway Incursion	2	1	1	5	11	11
Other	2	3	2	8	18	12
<b>Declared Emergency</b>	<b>15</b>	<b>12</b>	<b>17</b>	<b>105</b>	<b>135</b>	<b>143</b>
Landing Gear Failure	7	4	3	28	22	25
Hydraulic Failure	0	2	4	19	16	21
Electrical Failure	1	1	1	3	6	6
Other Component Failure	4	4	6	39	31	44
Other	3	1	4	16	60	46
<b>Engine Failure</b>	<b>11</b>	<b>9</b>	<b>12</b>	<b>89</b>	<b>80</b>	<b>91</b>
Power Loss	9	6	4	44	33	38
Component Failure	0	2	6	40	40	45
Other	2	1	2	5	7	8
<b>Smoke/Fire</b>	<b>6</b>	<b>4</b>	<b>8</b>	<b>58</b>	<b>57</b>	<b>61</b>
Fire/Explosion	5	3	6	46	38	44
Component Failure	1	1	2	12	17	15
Other	0	0	0	0	2	2
<b>Difficulty in Controlling Aircraft</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>34</b>	<b>29</b>	<b>20</b>
Component Failure	4	0	0	16	15	8
Weather Related	3	0	0	11	5	5
Other	1	2	1	7	9	7

Figures are preliminary as of September 12, 2005.

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