

Transportation Safety Board of Canada

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

	July			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>45</b>	<b>41</b>	<b>43</b>	<b>140</b>	<b>153</b>	<b>174</b>
Aeroplanes Involved <sup>2</sup>	41	34	34	123	128	140
Airliners	1	1	1	5	3	3
Commuters	2	0	1	4	0	3
Air Taxis	4	6	4	21	30	23
Aerial Work	5	3	5	9	4	11
State	0	0	0	0	1	2
Corporate	0	0	0	3	3	2
Private/Other <sup>3</sup>	29	24	23	81	87	96
Helicopters Involved	4	5	7	20	25	30
Other Aircraft Involved <sup>4</sup>	0	2	2	1	4	6
<b>Fatal Accidents</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>15</b>	<b>17</b>	<b>18</b>
Aeroplanes Involved	6	0	2	12	13	13
Airliners	0	0	0	0	0	0
Commuters	1	0	0	1	0	0
Air Taxis	1	0	0	3	3	2
Aerial Work	0	0	0	0	0	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other <sup>3</sup>	4	0	1	8	10	9
Helicopters Involved	1	0	0	3	2	4
Other Aircraft Involved	0	1	0	0	2	2
<b>Fatalities</b>	<b>9</b>	<b>1</b>	<b>5</b>	<b>19</b>	<b>30</b>	<b>30</b>
<b>Serious Injuries</b>	<b>8</b>	<b>4</b>	<b>7</b>	<b>16</b>	<b>11</b>	<b>23</b>
<b>Canadian-Registered Ultralight Aircraft Accidents</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>18</b>	<b>20</b>	<b>22</b>
Fatal Accidents	0	1	0	3	4	3
Fatalities	0	2	0	4	7	5
Serious Injuries	2	1	2	4	3	5
<b>Foreign-Registered Aircraft Accidents in Canada</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>11</b>	<b>10</b>	<b>13</b>
Fatal Accidents	2	0	1	2	0	2
Fatalities	3	0	2	3	0	3
Serious Injuries	0	0	1	3	0	1
<b>All Aircraft: Reportable Incidents</b>	<b>66</b>	<b>80</b>	<b>77</b>	<b>479</b>	<b>545</b>	<b>504</b>
Risk of Collision/Loss of Separation	11	27	20	96	129	114
Declared Emergency	20	15	19	130	169	160
Engine Failure	16	14	17	95	86	95
Smoke/Fire	8	9	10	61	58	61
Collision	0	1	1	5	17	10
Other	11	14	11	92	86	64

<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 August 16, 2005.

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 - July 2005  
By Type of Operation

	July			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
<b>Canadian-Registered Aircraft Accidents<sup>1</sup></b>	<b>45</b>	<b>41</b>	<b>43</b>	<b>140</b>	<b>153</b>	<b>174</b>
<b>Aeroplanes Involved</b>	<b>41</b>	<b>34</b>	<b>34</b>	<b>123</b>	<b>128</b>	<b>140</b>
Training	1	3	4	10	17	21
Pleasure/Travel	27	19	16	66	70	68
Business	2	0	0	5	2	4
Forest Fire Management	1	1	1	2	1	2
Test/Demonstration/Ferry	0	0	0	3	4	4
Aerial Application	3	3	5	4	3	8
Inspection	0	0	0	1	0	1
Air Transport	5	5	5	23	25	25
Air Ambulance	0	1	0	0	2	1
Other/Unknown	2	2	2	9	4	7
<b>Helicopters Involved</b>	<b>4</b>	<b>5</b>	<b>7</b>	<b>20</b>	<b>25</b>	<b>30</b>
Training	0	0	1	2	3	6
Pleasure/Travel	1	1	1	4	2	1
Business	0	0	1	0	0	1
Forest Fire Management	1	1	1	1	3	3
Test/Demonstration/Ferry	0	0	0	0	2	1
Aerial Application	1	1	1	2	1	1
Inspection	0	0	0	0	1	0
Air Transport	1	2	2	4	10	9
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	0	1	7	3	7
<b>Fatal Accidents</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>15</b>	<b>17</b>	<b>18</b>
<b>Aeroplanes and Helicopters Involved</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>15</b>	<b>15</b>	<b>17</b>
Training	0	0	0	0	2	2
Pleasure/Travel	5	0	1	9	7	7
Business	0	0	0	0	0	1
Forest Fire Management	0	0	0	0	0	0
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	1	0	0	4	4	2
Air Ambulance	0	0	0	0	0	0
Other/Unknown	1	0	0	1	1	2
<b>Fatalities</b>	<b>9</b>	<b>1</b>	<b>5</b>	<b>19</b>	<b>30</b>	<b>30</b>
<b>Serious Injuries</b>	<b>8</b>	<b>4</b>	<b>7</b>	<b>16</b>	<b>11</b>	<b>23</b>

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

Figures are preliminary as of August 16, 2005.

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

	July			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
<b>Risk of Collision/Loss of Separation</b>	<b>7</b>	<b>25</b>	<b>25</b>	<b>127</b>	<b>174</b>	<b>153</b>
Air Proximity	4	9	8	39	55	42
Air Traffic Services Event	3	14	14	73	92	86
Altitude Related	0	0	0	6	2	4
Runway Incursion	0	0	1	3	10	10
Other	0	2	1	6	15	10
<b>Declared Emergency</b>	<b>16</b>	<b>10</b>	<b>15</b>	<b>90</b>	<b>123</b>	<b>126</b>
Landing Gear Failure	5	0	2	21	18	22
Hydraulic Failure	4	3	4	19	14	17
Electrical Failure	0	1	1	2	5	6
Other Component Failure	6	1	4	35	27	39
Other	1	5	4	13	59	43
<b>Engine Failure</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>78</b>	<b>71</b>	<b>79</b>
Power Loss	7	6	6	35	27	33
Component Failure	6	3	7	40	38	40
Other	0	4	2	3	6	6
<b>Smoke/Fire</b>	<b>6</b>	<b>8</b>	<b>8</b>	<b>52</b>	<b>53</b>	<b>53</b>
Fire/Explosion	5	5	6	41	35	38
Component Failure	1	3	2	11	16	13
Other	0	0	0	0	2	2
<b>Difficulty in Controlling Aircraft</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>26</b>	<b>27</b>	<b>18</b>
Component Failure	0	1	1	12	15	8
Weather Related	2	2	1	8	5	5
Other	1	1	1	6	7	6

Figures are preliminary as of August 16, 2005.

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