

Table 1  
Reportable Aircraft Occurrences

	August			January to August		
	2014	2013	2009-2013 Average	2014	2013	2009-2013 Average
<b>Number of reportable accidents</b>	<b>37</b>	<b>45</b>	<b>39</b>	<b>187</b>	<b>208</b>	<b>204</b>
Accidents in Canada involving Canadian-registered aircraft	34	44	36	177	197	188
Accidents outside Canada involving Canadian-registered aircraft	0	0	1	4	2	4
Accidents in Canada involving foreign-registered aircraft	3	1	3	6	9	11
<b>Number of accidents by operator type</b>	<b>37</b>	<b>45</b>	<b>39</b>	<b>187</b>	<b>208</b>	<b>204</b>
Commercial	6	12	9	43	53	53
Airliner (705)	0	1	1	5	4	4
Commuter (704)	0	0	1	0	2	4
Air taxi (703)	1	3	4	23	26	26
Aerial work (702)	5	8	4	15	19	19
Foreign/Other (a)	0	0	0	1	2	1
State	0	1	1	2	4	4
Corporate	2	1	1	5	5	3
Private/Other (b)	29	31	29	137	146	144
<b>Number of accidents by aircraft type</b>	<b>37</b>	<b>45</b>	<b>39</b>	<b>187</b>	<b>208</b>	<b>204</b>
Aeroplane	29	36	28	135	156	153
Helicopter	2	4	6	23	24	24
Ultralight	5	2	4	22	18	20
Other (c)	1	3	2	7	11	6
<b>Number of aircraft involved in accidents*</b>	<b>37</b>	<b>45</b>	<b>39</b>	<b>189</b>	<b>210</b>	<b>206</b>
Aeroplanes	29	36	28	137	157	155
Helicopters	2	4	6	23	24	25
Ultralights	5	2	4	22	18	20
Others (c)	1	3	2	7	11	6
<b>Number of fatal accidents by aircraft type</b>	<b>5</b>	<b>8</b>	<b>7</b>	<b>11</b>	<b>27</b>	<b>26</b>
Aeroplane	5	6	4	9	17	17
Helicopter	0	0	1	0	5	4
Ultralight	0	0	1	2	2	3
Other (c)	0	2	1	0	4	2
<b>Reportable accident fatalities</b>	<b>8</b>	<b>9</b>	<b>13</b>	<b>17</b>	<b>45</b>	<b>49</b>
<b>Reportable accident serious injuries</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>31</b>	<b>16</b>	<b>25</b>
<b>Accidents in Canada involving foreign-registered aircraft</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>11</b>
Fatal accidents	1	1	0	1	1	1
Fatalities	3	1	0	3	1	1
Serious Injuries	0	0	1	1	0	2
<b>Occurrences with a dangerous good release</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>1</b>
<b>Number of reportable incidents**</b>	<b>69</b>	<b>60</b>	<b>64</b>	<b>468</b>	<b>459</b>	<b>490</b>
Incidents in Canada involving Canadian-registered aircraft	58	48	50	369	367	371
Incidents outside Canada involving Canadian-registered aircraft	3	4	3	34	26	40
Incidents in Canada involving foreign-registered aircraft	9	11	14	72	78	96
<b>Number of reportable incidents by type</b>	<b>69</b>	<b>60</b>	<b>64</b>	<b>468</b>	<b>459</b>	<b>490</b>
Risk of collision/Loss of separation	14	10	16	62	78	97
Declared emergency	20	26	23	198	185	195
Engine failure	9	7	8	65	61	63
Smoke/Fire	8	2	5	52	43	52
Collision	3	0	1	8	9	6
Other	15	15	12	83	83	77

Data extracted September 15, 2014.

Reportable accidents and incidents are reported in accordance with the TSB's regulations for mandatory reporting of occurrences.

Breakdowns may not add up to totals. For example, in the total "Number of accidents by aircraft type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

\* Only "Number of aircraft involved in accidents" are aircraft counts, all other data are accident counts.

a. The commercial service type is not available for foreign-registered aircraft.

b. Other: contains, but is not limited to, organizations that rent aircraft (i.e., flying schools, flying clubs, etc.).

c. Includes balloons, gyroplanes, gliders, dirigibles, hang gliders, unmanned aerial vehicles (UAV) and similar aircraft types.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

\*\* Under new reporting requirements aviation incidents include: a) aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5700 kg); b) aircraft being operated under an air operator certificate issued under CARS Part VII.



Table 2  
Occurrences Involving Canadian-Registered Aircraft

	August			January to August		
	2014	2013	2009-2013 Average	2014	2013	2009-2013 Average
<b>Number of accidents by aircraft and operator type (a)</b>	<b>29</b>	<b>42</b>	<b>33</b>	<b>160</b>	<b>182</b>	<b>173</b>
Aeroplane accidents	26	36	26	130	149	144
Commercial	4	9	5	24	30	34
Airliner (705)	0	1	1	5	4	3
Commuter (704)	0	0	0	0	2	3
Air taxi (703)	1	2	1	11	13	17
Aerial work (702)	3	6	2	8	11	10
Other	0	0	0	0	0	0
State	0	0	0	2	1	2
Corporate	1	1	0	2	3	2
Private/Other (b)	21	26	21	102	115	107
Helicopter accidents	2	4	5	23	24	24
Commercial	2	3	4	18	20	18
State	0	0	0	0	1	1
Corporate	0	0	0	0	0	0
Private/Other (b)	0	1	2	5	3	5
Other aircraft accidents (c)	1	2	1	7	10	5
<b>Number of fatal accidents by aircraft and operator type (a)</b>	<b>4</b>	<b>7</b>	<b>6</b>	<b>8</b>	<b>24</b>	<b>22</b>
Aeroplane accidents	4	6	4	8	17	16
Commercial	1	3	1	2	5	5
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	1	2	0	1	4	4
Aerial work (702)	0	1	0	1	1	1
Other	0	0	0	0	0	0
State	0	0	0	0	0	0
Corporate	0	0	0	0	1	0
Private/Other	3	3	3	6	11	11
Helicopter accidents	0	0	1	0	5	4
Other aircraft accidents (c)	0	1	0	0	3	1
<b>Accident fatalities (a)</b>	<b>5</b>	<b>8</b>	<b>12</b>	<b>12</b>	<b>42</b>	<b>44</b>
<b>Accident serious injuries (a)</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>24</b>	<b>13</b>	<b>19</b>
<b>Number of incidents by type (a)*</b>	<b>61</b>	<b>52</b>	<b>53</b>	<b>403</b>	<b>393</b>	<b>411</b>
Risk of collision/Loss of separation	13	10	13	55	73	87
Declared emergency	19	21	18	171	146	152
Engine failure	9	6	7	57	54	56
Smoke/Fire	6	2	4	42	37	45
Collision	3	0	1	7	8	5
Other	11	13	10	71	75	67
<b>Number of accidents involving ultralight aircraft</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>21</b>	<b>17</b>	<b>20</b>
Fatal accidents	0	0	1	2	2	3
Fatalities	0	0	1	2	2	3
Serious injuries	1	0	0	6	3	4

Data extracted September 15, 2014.

Reportable accidents and incidents are reported in accordance with the TSB's regulations for mandatory reporting of occurrences. Breakdowns may not add up to totals. For example, in the total "Number of accidents by aircraft type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

a. Accidents involving Canadian-registered aircraft, except ultralights.

b. Other: contains, but is not limited to, organizations that rent aircraft (i.e. flying schools, flying clubs, etc.).

c. Includes balloons, gyroplanes, gliders, dirigibles, hang gliders and similar aircraft types.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

\* Under new reporting requirements aviation incidents include aircraft having a maximum certificated take-off weight greater than 2 250 kg (formerly 5700 kg), or of aircraft being operated under an air operator certificate issued under CARS Part VII.

Table 3

## Accidents Involving Canadian-Registered Fixed Wing and Rotary Wing Aircraft By Type of Operation

	August			January to August		
	2014	2013	2009-2013 Average	2014	2013	2009-2013 Average
<b>Number of accidents by operation type</b>	<b>28</b>	<b>40</b>	<b>31</b>	<b>153</b>	<b>173</b>	<b>168</b>
Aeroplane accidents	26	36	26	130	149	144
Training	5	3	2	22	21	23
Pleasure/Travel	14	22	18	70	93	81
Business	1	0	0	8	1	3
Forest fire management	1	1	0	2	3	2
Test/Demonstration/Ferry	1	0	0	2	1	2
Aerial application	3	5	1	5	6	5
Inspection	0	0	0	0	0	0
Air transport	1	3	2	15	16	20
Air ambulance	0	0	0	1	0	1
Sightseeing	0	0	0	1	1	2
Other/Unknown	0	2	2	4	8	6
Helicopter accidents	2	4	5	23	24	24
Training	0	0	0	1	1	1
Pleasure/Travel	0	1	1	4	1	3
Business	0	0	0	0	1	1
Forest fire management	0	2	1	0	3	2
Test/Demonstration/Ferry	0	0	0	0	1	0
Aerial application	0	0	0	1	0	1
Inspection	0	0	0	1	2	1
Air transport	1	1	3	13	8	9
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	1	0	0
Other/Unknown	1	0	1	2	6	4
<b>Number of fatal accidents by operation type</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>8</b>	<b>22</b>	<b>21</b>
Training	1	2	0	1	2	1
Pleasure/Travel	2	1	3	5	9	10
Business	0	0	0	1	1	1
Forest fire management	0	0	0	0	0	1
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	1	0	0	1	0
Inspection	0	0	0	0	1	0
Air transport	1	2	1	1	6	5
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	0	1	2
<b>Fatalities</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>12</b>	<b>40</b>	<b>43</b>
<b>Serious injuries</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>23</b>	<b>13</b>	<b>18</b>

Data extracted September 15, 2014.

Reportable accidents and incidents are reported in accordance with the TSB's regulations for mandatory reporting of occurrences. Breakdowns may not add up to totals. For example, in the total "Number of accidents by operation type", when an occurrence involves an airplane and a helicopter, the occurrence is counted in each category, but only once in the total.

Canadian-registered aircraft, excluding ultralights, balloons, gyroplanes, gliders, dirigibles, hang gliders and similar aircraft types. New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.