

Table 1
Reportable Aircraft Occurrences

	September			January to September		
	2014	2013	2009-2013 Average	2014	2013	2009-2013 Average
Number of reportable accidents	28	27	32	216	235	236
Accidents in Canada involving Canadian-registered aircraft	27	25	31	205	222	219
Accidents outside Canada involving Canadian-registered aircraft	0	1	1	4	3	5
Accidents in Canada involving foreign-registered aircraft	1	1	1	7	10	12
Number of accidents by operator type	28	27	32	216	235	236
Commercial	9	4	8	52	57	62
Airliner (705)	1	1	1	6	5	4
Commuter (704)	1	0	0	1	2	4
Air taxi (703)	6	1	5	29	27	31
Aerial work (702)	1	2	3	16	21	22
Foreign/Other (a)	0	0	0	1	2	1
State	0	1	0	2	5	4
Corporate	0	0	1	5	5	4
Private/Other (b)	19	22	23	157	168	167
Number of accidents by aircraft type	28	27	32	216	235	236
Aeroplane	17	24	25	153	180	178
Helicopter	5	1	3	28	25	28
Ultralight	6	1	4	28	19	24
Other (c)	0	1	1	7	12	7
Number of aircraft involved in accidents*	28	28	34	218	238	239
Aeroplanes	17	25	26	155	182	181
Helicopters	5	1	3	28	25	28
Ultralights	6	1	4	28	19	24
Others (c)	0	1	1	7	12	7
Number of fatal accidents by aircraft type	2	3	3	13	30	29
Aeroplane	2	2	2	11	19	19
Helicopter	0	1	1	0	6	5
Ultralight	0	0	0	2	2	3
Other (c)	0	0	0	0	4	2
Reportable accident fatalities	2	6	5	19	51	54
Reportable accident serious injuries	1	3	5	34	19	30
Accidents in Canada involving foreign-registered aircraft	1	1	1	7	10	12
Fatal accidents	1	1	0	2	2	2
Fatalities	1	1	0	4	2	2
Serious Injuries	0	0	0	1	0	2
Occurrences with a dangerous good release	0	1	0	4	4	1
Number of reportable incidents**	67	54	54	537	513	544
Incidents in Canada involving Canadian-registered aircraft	52	45	42	421	412	413
Incidents outside Canada involving Canadian-registered aircraft	7	3	4	43	29	44
Incidents in Canada involving foreign-registered aircraft	11	10	13	83	88	109
Number of reportable incidents by type	67	54	54	537	513	544
Risk of collision/Loss of separation	10	9	12	72	87	109
Declared emergency	25	23	18	223	208	213
Engine failure	12	4	7	77	65	70
Smoke/Fire	9	6	7	61	49	59
Collision	3	1	0	11	10	6
Other	8	11	9	93	94	86

Data extracted October 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

	September			January to September		
	2014	2013	2009-2013 Average	2014	2013	2009-2013 Average
Number of accidents by aircraft and operator type (a)	21	25	28	182	207	201
Aeroplane accidents	16	23	24	147	172	168
Commercial	5	3	6	29	33	40
Airliner (705)	1	1	1	6	5	4
Commuter (704)	1	0	0	1	2	3
Air taxi (703)	3	1	4	14	14	20
Aerial work (702)	0	1	2	8	12	12
Other	0	0	0	0	0	0
State	0	0	0	2	1	2
Corporate	0	0	0	2	3	2
Private/Other (b)	11	20	18	114	135	124
Helicopter accidents	5	1	3	28	25	27
Commercial	4	1	2	22	21	20
State	0	0	0	0	1	1
Corporate	0	0	0	0	0	0
Private/Other (b)	1	0	1	6	3	6
Other aircraft accidents (c)	0	1	1	7	11	6
Number of fatal accidents by aircraft and operator type (a)	1	2	2	9	26	24
Aeroplane accidents	1	1	1	9	18	18
Commercial	0	0	0	2	5	5
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	1	4	4
Aerial work (702)	0	0	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	1	1	1	7	12	12
Helicopter accidents	0	1	1	0	6	5
Other aircraft accidents (c)	0	0	0	0	3	1
Accident fatalities (a)	1	5	4	13	47	48
Accident serious injuries (a)	1	3	5	27	16	24
Number of incidents by type (a)*	59	48	46	464	441	457
Risk of collision/Loss of separation	8	8	11	63	81	97
Declared emergency	22	21	14	193	167	166
Engine failure	11	4	7	68	58	62
Smoke/Fire	8	3	5	50	40	50
Collision	3	1	0	10	9	5
Other	7	11	9	80	86	76
Number of accidents involving ultralight aircraft	6	1	4	27	18	23
Fatal accidents	0	0	0	2	2	3
Fatalities	0	0	0	2	2	4
Serious injuries	0	0	0	6	3	4

Data extracted October 15, 2014.

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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

	September			January to September		
	2014	2013	2009-2013 Average	2014	2013	2009-2013 Average
Number of accidents by operation type	21	24	27	175	197	195
Aeroplane accidents	16	23	24	147	172	168
Training	0	1	2	22	22	25
Pleasure/Travel	11	17	14	81	110	94
Business	0	1	1	8	2	4
Forest fire management	0	0	0	2	3	2
Test/Demonstration/Ferry	0	1	0	3	2	2
Aerial application	0	1	1	5	7	6
Inspection	0	0	0	0	0	0
Air transport	5	2	4	20	18	24
Air ambulance	0	0	0	1	0	1
Sightseeing	0	0	0	1	1	2
Other/Unknown	0	0	1	4	8	8
Helicopter accidents	5	1	3	28	25	27
Training	0	0	0	1	1	1
Pleasure/Travel	1	0	1	5	1	4
Business	0	0	0	0	1	1
Forest fire management	0	0	0	0	3	2
Test/Demonstration/Ferry	0	0	0	0	1	0
Aerial application	0	0	0	1	0	1
Inspection	1	0	0	2	2	1
Air transport	3	0	1	16	8	9
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	1	0	0
Other/Unknown	0	1	1	2	7	5
Number of fatal accidents by operation type	1	2	2	9	24	23
Training	0	0	0	1	2	1
Pleasure/Travel	1	0	1	6	9	11
Business	0	0	0	1	1	1
Forest fire management	0	0	0	0	0	1
Test/Demonstration/Ferry	0	1	0	0	1	0
Aerial application	0	0	0	0	1	0
Inspection	0	0	0	0	1	0
Air transport	0	0	0	1	6	5
Air ambulance	0	0	0	0	1	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	1	0	0	2	2
Fatalities	1	5	4	13	45	47
Serious injuries	1	3	4	26	16	23

Data extracted October 15, 2014.

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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.