

Table 1
Reportable Aircraft Occurrences

	October			Year to Date (October)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of reportable accidents	19	16	19	209	234	244
Accidents in Canada involving Canadian-registered aircraft	18	11	18	194	216	227
Accidents outside Canada involving Canadian-registered aircraft	1	3	1	7	9	6
Accidents in Canada involving foreign-registered aircraft	0	2	1	8	9	10
Number of accidents by operator type	19	16	19	209	234	244
Commercial	8	3	6	52	67	78
Airliner (705)	1	0	1	1	8	6
Commuter (704)	0	0	1	2	3	3
Air taxi (703)	4	1	2	24	19	29
Aerial work (702)	0	2	1	9	18	21
Foreign/Other (a)	3	0	2	17	19	20
State	0	0	0	0	1	3
Corporate	0	0	1	0	0	3
Private/Other (b)	11	13	13	157	167	160
Number of accidents by aircraft type	19	16	19	209	234	244
Aeroplane	16	12	15	161	182	181
Helicopter	1	4	3	21	31	32
Ultralight	2	0	2	21	17	24
Other (c)	0	0	0	6	7	8
Number of aircraft involved in accidents*	20	16	20	213	241	248
Aeroplanes	17	12	15	165	186	184
Helicopters	1	4	3	21	31	32
Ultralights	2	0	2	21	17	24
Others (c)	0	0	0	6	7	8
Number of fatal accidents by aircraft type	4	5	3	28	26	28
Aeroplane	4	3	2	21	17	18
Helicopter	0	2	1	2	5	5
Ultralight	0	0	0	4	4	4
Other (c)	0	0	0	1	0	1
Reportable accident fatalities	9	7	5	43	43	47
Reportable accident serious injuries	5	0	3	13	28	32
Accidents in Canada involving foreign-registered aircraft	0	2	1	8	9	10
Fatal accidents	0	1	0	1	3	2
Fatalities	0	1	0	7	4	3
Serious Injuries	0	0	0	0	0	1
Occurrences with a dangerous good release	0	0	0	4	4	2
Number of reportable incidents**	61	69	60	655	671	589
Incidents in Canada involving Canadian-registered aircraft	45	53	48	494	555	466
Incidents outside Canada involving Canadian-registered aircraft	9	10	5	83	54	45
Incidents in Canada involving foreign-registered aircraft	9	6	9	97	85	98
Number of reportable incidents by type	61	69	60	655	671	589
Risk of collision/Loss of separation	10	10	9	108	98	94
Declared emergency	18	34	26	251	278	241
Engine failure	10	10	8	87	95	79
Smoke/Fire	5	8	10	71	75	69
Collision	2	1	1	12	8	9
Other	16	6	7	126	117	97

Data extracted November 16, 2016

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**

	October			Year to Date (October)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by aircraft and operator type	17	14	17	180	210	210
Aeroplane accidents	16	10	14	154	175	172
Commercial	6	1	5	37	46	53
Airliner (705)	1	0	1	1	8	5
Commuter (704)	0	0	0	2	3	3
Air taxi (703)	3	0	2	14	10	17
Aerial work (702)	0	1	1	6	10	11
Other	2	0	1	15	15	17
State	0	0	0	0	1	2
Corporate	0	0	0	0	0	1
Private/Other (a)	10	9	9	117	129	117
Helicopter accidents	1	4	3	20	30	31
Commercial	1	2	2	12	21	23
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	0	2	1	8	9	7
Other aircraft accidents (b)	0	0	0	6	7	7
Number of fatal accidents by aircraft and operator type	4	4	3	23	20	22
Aeroplane accidents	4	2	2	20	15	17
Commercial	1	1	1	3	5	6
Airliner (705)	0	0	0	0	0	0
Commuter (704)	0	0	0	0	0	0
Air taxi (703)	0	0	0	1	2	3
Aerial work (702)	0	1	0	1	2	1
Other	1	0	0	1	1	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	3	1	1	17	11	11
Helicopter accidents	0	2	1	2	5	5
Other aircraft accidents (b)	0	0	0	1	0	1
Accident fatalities	9	6	4	32	36	41
Accident serious injuries	5	0	2	12	25	27
Number of incidents by type*	54	63	53	577	609	510
Risk of collision/Loss of separation	10	8	8	97	90	85
Declared emergency	14	31	22	213	242	200
Engine failure	10	9	7	81	89	71
Smoke/Fire	4	8	8	62	70	58
Collision	2	1	1	12	7	8
Other	14	6	6	112	111	88
Number of accidents involving ultralight aircraft	2	0	2	21	16	23
Fatal accidents	0	0	0	4	3	4
Fatalities	0	0	0	4	3	4
Serious injuries	0	0	0	1	3	5

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

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

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*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 3

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

	October			Year to Date (October)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by operation type	17	14	17	174	205	204
Aeroplane accidents	16	10	14	154	175	172
Training	2	0	1	19	14	21
Pleasure/Travel	9	9	8	103	115	103
Business	1	0	1	3	0	4
Forest fire management	0	0	0	1	2	2
Test/Demonstration/Ferry	0	0	1	2	2	3
Aerial application	0	0	0	6	5	5
Inspection	0	0	0	0	1	0
Air transport	3	0	3	13	20	23
Air ambulance	1	0	0	2	0	1
Sightseeing	0	0	0	0	1	2
Other/Unknown	0	1	1	6	16	9
Helicopter accidents	1	4	3	20	30	31
Training	0	0	0	1	5	2
Pleasure/Travel	0	1	1	8	8	7
Business	0	1	0	0	1	1
Forest fire management	0	0	0	0	2	2
Test/Demonstration/Ferry	0	0	0	0	0	0
Aerial application	0	0	0	1	2	2
Inspection	0	0	0	1	0	2
Air transport	1	2	1	5	8	11
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	4	4	5
Number of fatal accidents by operation type	4	4	3	22	20	22
Training	1	0	0	1	1	1
Pleasure/Travel	2	1	1	15	10	10
Business	1	1	0	1	1	1
Forest fire management	0	0	0	0	1	0
Test/Demonstration/Ferry	0	0	0	1	0	1
Aerial application	0	0	0	2	1	0
Inspection	0	0	0	1	0	0
Air transport	0	1	1	1	4	5
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	1	1
Other/Unknown	0	1	1	0	2	2
Fatalities	9	6	4	31	36	40
Serious injuries	5	0	2	11	25	26

Data extracted November 16, 2016

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Canadian-registered aircraft, excluding ultralights, balloons, gyroplanes, gliders, dirigibles, hang gliders and similar aircraft types

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