

Table 1

Reportable Aircraft Occurrences

	November			Year to Date (November)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of reportable accidents	9	9	14	220	243	258
Accidents in Canada involving Canadian-registered aircraft	9	9	14	204	225	241
Accidents outside Canada involving Canadian-registered aircraft	0	0	0	8	9	6
Accidents in Canada involving foreign-registered aircraft	0	0	0	8	9	11
Number of accidents by operator type	9	9	14	220	243	258
Commercial	4	3	5	57	70	83
Airliner (705)	0	0	0	1	8	6
Commuter (704)	0	0	0	2	3	3
Air taxi (703)	1	2	2	25	21	31
Aerial work (702)	2	0	1	12	18	22
Foreign/Other (a)	1	1	2	18	20	21
State	0	0	0	0	1	3
Corporate	0	0	0	0	0	3
Private/Other (b)	5	6	9	163	173	169
Number of accidents by aircraft type	9	9	14	220	243	258
Aeroplane	5	8	11	167	190	192
Helicopter	3	1	1	25	32	33
Ultralight	1	0	1	22	17	25
Other (c)	0	0	0	6	7	8
Number of aircraft involved in accidents*	9	9	15	224	250	262
Aeroplanes	5	8	12	171	194	196
Helicopters	3	1	1	25	32	33
Ultralights	1	0	1	22	17	25
Others (c)	0	0	0	6	7	8
Number of fatal accidents by aircraft type	0	1	2	28	27	30
Aeroplane	0	1	1	21	18	20
Helicopter	0	0	0	2	5	5
Ultralight	0	0	0	4	4	4
Other (c)	0	0	0	1	0	1
Reportable accident fatalities	0	2	4	43	45	51
Reportable accident serious injuries	0	1	3	14	29	36
Accidents in Canada involving foreign-registered aircraft	0	0	0	8	9	11
Fatal accidents	0	0	0	1	3	2
Fatalities	0	0	0	7	4	3
Serious Injuries	0	0	0	0	0	1
Occurrences with a dangerous good release	0	0	0	4	4	3
Number of reportable incidents**	73	59	62	733	730	651
Incidents in Canada involving Canadian-registered aircraft	48	49	50	545	604	515
Incidents outside Canada involving Canadian-registered aircraft	19	2	4	104	56	48
Incidents in Canada involving foreign-registered aircraft	8	11	11	105	96	109
Number of reportable incidents by type	73	59	62	733	730	651
Risk of collision/Loss of separation	14	4	9	123	102	103
Declared emergency	25	23	26	277	301	268
Engine failure	9	10	8	96	105	87
Smoke/Fire	4	6	7	77	81	76
Collision	3	0	1	15	8	10
Other	18	16	11	145	133	108

Data extracted December 15, 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

	November			Year to Date (November)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by aircraft and operator type	8	9	13	190	219	223
Aeroplane accidents	5	8	11	160	183	183
Commercial	2	2	4	39	48	57
Airliner (705)	0	0	0	1	8	6
Commuter (704)	0	0	0	2	3	3
Air taxi (703)	1	1	1	15	11	18
Aerial work (702)	0	0	0	6	10	12
Other	1	1	2	16	16	18
State	0	0	0	0	1	2
Corporate	0	0	0	0	0	1
Private/Other (a)	3	6	7	121	135	124
Helicopter accidents	3	1	1	24	31	33
Commercial	2	1	1	15	22	24
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other (a)	1	0	0	9	9	7
Other aircraft accidents (b)	0	0	0	6	7	8
Number of fatal accidents by aircraft and operator type	0	1	2	23	21	24
Aeroplane accidents	0	1	1	20	16	18
Commercial	0	0	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	0	0	1	2	2
Other	0	0	0	1	1	1
State	0	0	0	0	0	0
Corporate	0	0	0	0	0	0
Private/Other	0	1	1	17	12	12
Helicopter accidents	0	0	0	2	5	5
Other aircraft accidents (b)	0	0	0	1	0	1
Accident fatalities	0	2	3	32	38	44
Accident serious injuries	0	1	3	13	26	30
Number of incidents by type*	67	51	53	649	660	564
Risk of collision/Loss of separation	14	3	8	112	93	93
Declared emergency	22	21	22	236	263	222
Engine failure	8	8	6	89	97	77
Smoke/Fire	3	5	6	67	75	64
Collision	2	0	1	14	7	9
Other	18	14	10	131	125	98
Number of accidents involving ultralight aircraft	1	0	1	22	16	24
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

	November			Year to Date (November)		
	2016	2015	2011-2015 Average	2016	2015	2011-2015 Average
Number of accidents by operation type	8	9	12	184	214	216
Aeroplane accidents	5	8	11	160	183	183
Training	1	1	2	20	15	23
Pleasure/Travel	3	6	6	107	121	109
Business	0	1	0	3	1	5
Forest fire management	0	0	0	1	2	2
Test/Demonstration/Ferry	0	0	1	2	2	4
Aerial application	0	0	0	6	5	5
Inspection	0	0	0	0	1	1
Air transport	1	0	2	14	20	25
Air ambulance	0	0	0	2	0	1
Sightseeing	0	0	0	0	1	2
Other/Unknown	0	0	0	6	16	9
Helicopter accidents	3	1	1	24	31	33
Training	0	0	0	1	5	2
Pleasure/Travel	1	0	0	9	8	7
Business	0	0	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	1	0	0	2	0	2
Air transport	1	1	1	6	9	11
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	0	0
Other/Unknown	0	0	0	5	4	5
Number of fatal accidents by operation type	0	1	2	22	21	23
Training	0	0	0	1	1	2
Pleasure/Travel	0	1	1	15	11	11
Business	0	0	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	0	1	1	4	5
Air ambulance	0	0	0	0	0	0
Sightseeing	0	0	0	0	1	1
Other/Unknown	0	0	0	0	2	3
Fatalities	0	2	3	31	38	43
Serious injuries	0	1	3	12	26	29

Data extracted December 15, 2016

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

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