

Transportation Safety Board of Canada

Table 1
Aviation Occurrence and Casualty Statistics - October 2005

	October			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Canadian-Registered Aircraft Accidents¹	22	22	22	231	236	267
Aeroplanes Involved ²	16	17	19	187	194	216
Airliners	0	0	0	5	3	5
Commuters	0	0	1	4	1	5
Air Taxis	2	4	3	29	39	36
Aerial Work	0	1	1	12	8	15
State	1	0	0	1	2	2
Corporate	1	0	0	5	3	3
Private/Other ³	12	12	14	131	138	149
Helicopters Involved	5	4	3	42	37	43
Other Aircraft Involved ⁴	1	1	0	6	9	10
Fatal Accidents	3	1	4	28	23	30
Aeroplanes Involved	1	0	3	19	17	23
Airliners	0	0	0	0	0	0
Commuters	0	0	0	1	0	0
Air Taxis	1	0	1	5	3	4
Aerial Work	0	0	0	1	0	1
State	0	0	0	0	0	1
Corporate	0	0	0	0	0	0
Private/Other ³	0	0	2	12	14	16
Helicopters Involved	2	1	1	8	4	6
Other Aircraft Involved	0	0	0	1	2	3
Fatalities	3	1	8	39	36	52
Serious Injuries	6	6	4	32	25	38
Canadian-Registered Ultralight Aircraft Accidents	0	5	3	30	34	36
Fatal Accidents	0	1	1	5	6	6
Fatalities	0	2	1	6	10	9
Serious Injuries	0	0	0	9	6	8
Foreign-Registered Aircraft Accidents in Canada	1	3	2	18	18	20
Fatal Accidents	1	1	0	6	2	4
Fatalities	1	7	2	10	9	8
Serious Injuries	0	0	0	3	0	2
All Aircraft: Reportable Incidents	70	62	57	694	757	701
Risk of Collision/Loss of Separation	19	16	14	157	188	164
Declared Emergency	18	21	18	187	233	218
Engine Failure	10	6	8	129	116	129
Smoke/Fire	8	11	7	85	80	85
Collision	2	1	1	9	20	14
Other	13	7	9	127	120	91

¹ Ultralight aircraft excluded.

² As some accidents may involve multiple aircraft, the number of aircraft involved may differ from the total number of accidents.

³ Other: contains, but is not limited to, organizations that rent aircraft (i.e. flying schools, flying clubs, etc.).

⁴ Includes gliders, balloons and gyrocopters.

Figures are preliminary as of November 15, 2005.

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

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Table 2
Canadian-Registered Fixed Wing and Rotary Wing Aircraft Involved in Accidents - October 2005
By Type of Operation

	October			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Canadian-Registered Aircraft Accidents¹	22	22	22	231	236	267
Aeroplanes Involved	16	17	19	187	194	216
Training	2	1	2	13	22	30
Pleasure/Travel	11	10	10	108	115	108
Business	1	0	0	6	4	7
Forest Fire Management	0	1	0	2	3	2
Test/Demonstration/Ferry	1	1	1	5	6	6
Aerial Application	0	0	0	6	3	9
Inspection	0	0	0	1	0	1
Air Transport	1	4	4	31	33	41
Air Ambulance	0	0	0	0	2	1
Other/Unknown	0	0	1	15	6	11
Helicopters Involved	5	4	3	42	37	43
Training	0	0	0	3	3	7
Pleasure/Travel	2	1	0	10	4	2
Business	0	0	0	1	0	2
Forest Fire Management	0	0	0	1	4	4
Test/Demonstration/Ferry	0	0	1	0	2	2
Aerial Application	0	0	0	2	1	1
Inspection	0	0	0	0	2	1
Air Transport	2	2	1	14	16	12
Air Ambulance	0	0	0	1	0	0
Other/Unknown	1	1	1	10	5	10
Fatal Accidents	3	1	4	28	23	30
Aeroplanes and Helicopters Involved	3	1	4	27	21	28
Training	0	0	0	0	3	3
Pleasure/Travel	1	0	1	16	11	12
Business	0	0	0	1	0	2
Forest Fire Management	0	0	0	0	0	1
Test/Demonstration/Ferry	0	0	1	1	0	2
Aerial Application	0	0	0	0	0	1
Inspection	0	0	0	0	1	1
Air Transport	2	1	1	8	5	5
Air Ambulance	0	0	0	0	0	0
Other/Unknown	0	0	0	1	1	3
Fatalities	3	1	8	39	36	52
Serious Injuries	6	6	4	32	25	38

¹ Ultralight aircraft excluded.

Figures are preliminary as of November 15, 2005.

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

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Table 3
Canadian-Registered Aircraft Involved in Incidents - October 2005
Selected Reportable Incident Types by First Event

	October			Year To Date		
	2005	2004	2000-2004 Average	2005	2004	2000-2004 Average
Risk of Collision/Loss of Separation	28	23	18	213	253	218
Air Proximity	10	7	2	65	81	58
Air Traffic Services Event	15	15	13	118	136	126
Altitude Related	1	1	1	10	4	6
Runway Incursion	0	0	1	6	11	13
Other	2	0	2	14	21	16
Declared Emergency	12	17	15	126	172	172
Landing Gear Failure	3	4	3	33	30	30
Hydraulic Failure	3	2	2	23	18	24
Electrical Failure	1	2	1	4	9	8
Other Component Failure	4	6	6	48	49	56
Other	1	3	3	18	66	53
Engine Failure	8	6	7	104	97	108
Power Loss	4	3	3	52	42	44
Component Failure	3	2	4	44	44	53
Other	1	1	1	8	11	10
Smoke/Fire	5	8	5	70	68	72
Fire/Explosion	5	8	4	57	48	52
Component Failure	0	0	1	13	18	18
Other	0	0	0	0	2	3
Difficulty in Controlling Aircraft	3	4	3	37	36	25
Component Failure	1	1	1	18	16	10
Weather Related	1	1	0	12	6	5
Other	1	2	1	7	14	10

Figures are preliminary as of November 15, 2005.

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