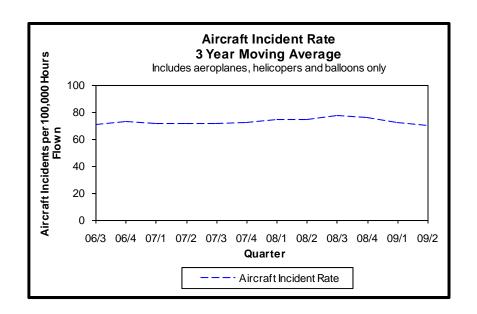


Aviation Safety Summary Report

1 April to 30 June 2009



Introduction

The purpose of this report is to provide readers with a quarterly snapshot of the aviation industry in terms of its size, shape, activity and safety performance. This complements the more detailed six-monthly "Aviation Industry Safety Update", which is available only on the CAA website.

This report uses calendar years; the first quarter is 1 January to 31 March.

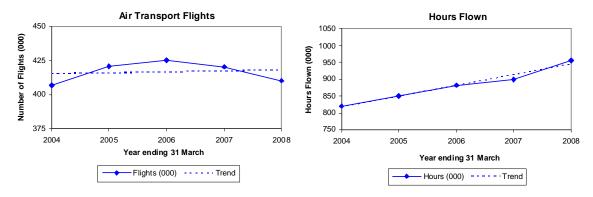
Overview

Activity

Air Transport Flights, Total Hours

Trends

The following graphs show the number of air transport flights and the total number of hours flown (annual data) for the five-year period 1 April 2003 to 31 March 2008 (includes the aircraft classes aeroplane, helicopter and balloon only).



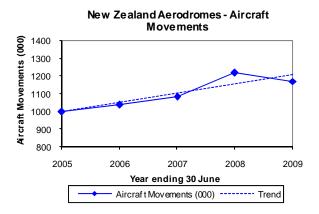
Note that the scales on these graphs do not start at zero.

Note that these assessments include the aircraft classes aeroplane, helicopter and balloon only and exclude other aircraft classes such as hang gliders and parachutes, and foreign registered aircraft that are operated in New Zealand. These assessments are based on Aircraft Operating Statistics for periods up to the quarter ended 31 March 2008 (the most recent quarter for which these data are available).

Aircraft Movements

Trends

The following graph shows the number of aircraft movements at certificated aerodromes (annual data) for the five-year period 1 July 2004 to 30 June 2009.



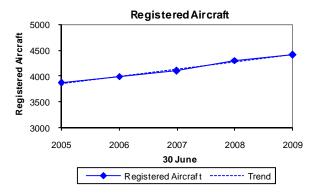
Note that the scale on this graph does not start at zero.

Note that this covers certificated aerodromes only. Includes Auckland, Christchurch, Dunedin, Gisborne (from December 2004), Hamilton, Invercargill, Napier, Nelson, New Plymouth, Ohakea, Palmerston North, Queenstown, Rotorua, Taupo, Tauranga, Wellington and Woodbourne. Excludes Chatham Islands/Tuuta Airport, Kerikeri/Bay of Islands, Manapouri, Mount Cook, Paraparaumu, Timaru, Wanganui, Westport, Whangarei and Wigram.

Registered Aircraft

Trends

The following graph shows the number of registered aircraft at 30 June for each of the five-years 2005 to 2009.



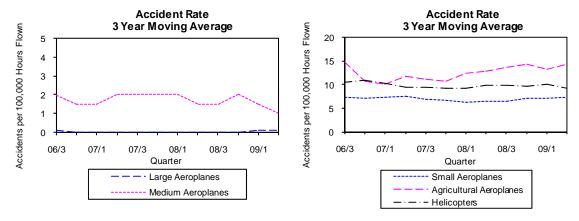
Note that the scale on this graph does not start at zero.

Note that these figures include the sport aircraft statistics category and exclude hang gliders and parachutes.

Accidents

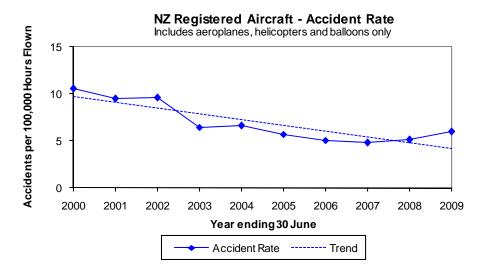
Trends

The following graphs show the aircraft accident rates (3 year moving average) for the three-year period 1 July 2006 to 30 June 2009 (excluding the aircraft statistics categories Sport Aircraft, Hang Gliders and Parachutes).



Overall Accident Rate

The following graph shows the overall accident rate per 100,000 hours flown (includes the aircraft classes aeroplane, helicopter and balloon only; excludes other aircraft classes, hang gliders and parachutes) for the 10-year period 1 July 1999 to 30 June 2009.



Note that this graph does not show a moving average.

Safety Outcome Targets for 2010

Safety Target Structure

The 2010 Safety Targets have all New Zealand aviation classified under three broad group headings: Public Air Transport, Other Commercial Operations, and Non-Commercial Operations.

Thirteen further sub-groups enable differentiation between aeroplanes, helicopters, and sport aircraft, and also allow for different weight groups. A diagram of the grouping is shown in the Definitions section.

The following table displays the social cost for each Safety Target Group for the quarters 1 April to 30 June 2008 and 2009. Social cost is the cost of fatal, serious and minor injuries, and aircraft destroyed, expressed in 2008 dollars.

Safety Target Group	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
	\$m	\$m	\$m
Airline Operations - Large Aeroplanes	-	0.02	+ 0.02
Airline Operations - Medium Aeroplanes	-	-	-
Airline Operations - Small Aeroplanes	-	-	-
Airline Operations - Helicopter	-	-	-
Sport Transport	-	0.37	+ 0.37
Other Commercial Operations - Aeroplane	-	-	-
Other Commercial Operations - Helicopter	-	-	-
Agricultural Operations - Aeroplane	0.64	-	- 0.64
Agricultural Operations - Helicopter	-	0.02	+ 0.02
Agricultural Operations - Sport Aircraft	-	-	-
Private Operations - Aeroplane	-	-	-
Private Operations - Helicopter	-	-	-
Private Operations - Sport	13.97	1.07	- 12.90
Total	14.61	1.47	- 13.14

Note that the individual values in the table may not sum exactly to the total shown due to rounding. Note that the Sport groups include hang gliders and parachutes.

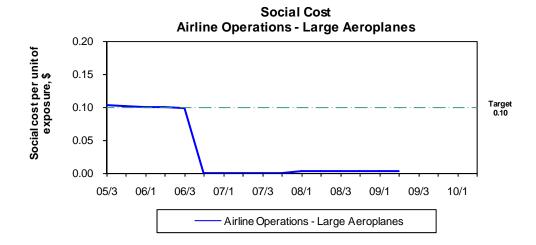
Safety Target Graphs

Each Safety Target Group has its own target level expressed as social cost per unit of person exposure, the unit being "one seat hour". For Safety Target Groups that are not predominantly passenger carrying a surrogate of 500 kg of aircraft weight is used instead of person exposure. These outcomes represent the maximum level of social cost considered acceptable for each group.

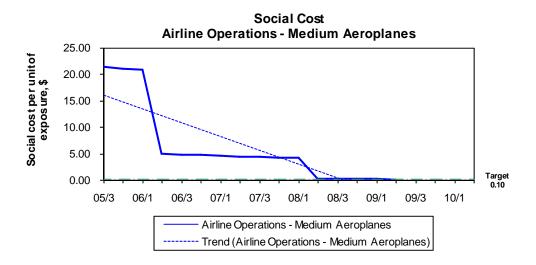
The results for all groups are derived using 3 year averages.

Graphs displaying the Safety Outcome Targets and the progress over each quarter are shown on the following pages.

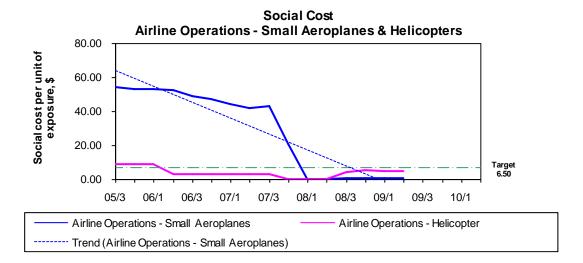
Page 5



The outcome for Airline Operations – Large Aeroplanes (95.3% of total seat hours) has remained at or below the target level of \$0.10 per hour of exposure since the target regime was established in 2005.

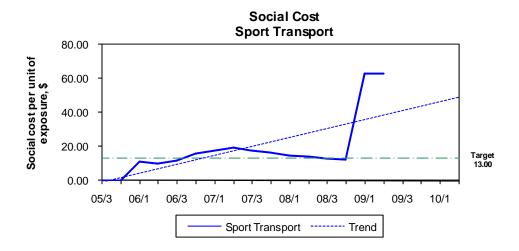


The outcome for Airline Operations – Medium Aeroplanes is trending down and is below the target level in the quarter Apr to Jun 09 (the data point at 09/2 is \$0.00 per hour of exposure). The exposure (1.8% of total seat hours) associated with this sector is relatively small. There have been no injuries in this group during the period Jul 06 to Jun 09.



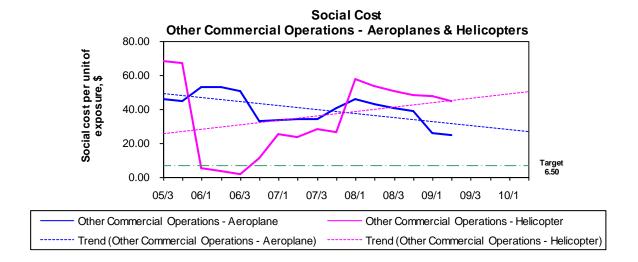
The outcome for Airline Operations – Small Aeroplanes (0.4% of total seat hours) shows a significant long term downward trend from the high starting point of \$54.08 per hour of exposure generated by 6 fatal and 2 serious injuries and 1 minor injury in the three years Oct 02 to Sep 05. There have been no fatal or serious injuries during the period Apr 05 to Jun 09. The safety outcome for this group has been below the target level since the quarter Jan to Mar 08.

The outcome for Airline Operations – Helicopter has been below the target level since the quarter Apr to Jun 06. There have been 2 serious and 2 minor injuries in this group in the three years Jul 06 to Jun 09.



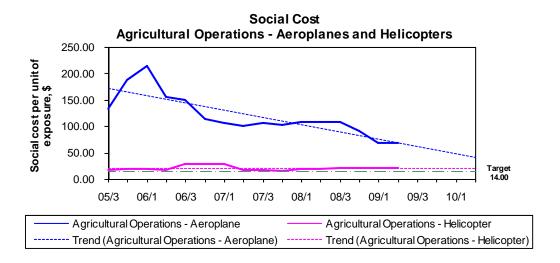
Three fatal accidents that occurred in the quarter Jan to Mar 09 have resulted in the highest outcomes for Sport Transport since the target regime was established in 2005. The previous peak in the second quarter of 2007 included 11 serious and 2 minor injuries in the three years Jul 04 to Jun 07 (a social cost of \$4.0 million including destroyed aircraft). The fatal accidents in the first quarter of 2009 are the first since the target regime was established; there have now been 5 fatal, 12 serious and 5 minor injuries in the three years Jul 06 to Jun 09 (a social cost of \$21.3 million including destroyed aircraft).

Note that this group includes hang gliders and parachutes used on transport operations.



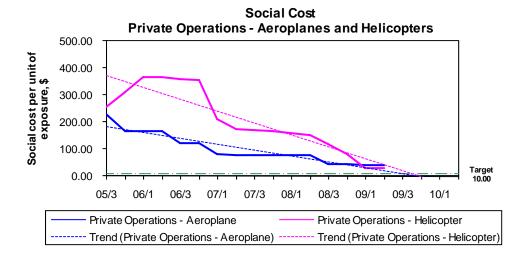
The outcome for Other Commercial Operations – Aeroplane is well above the target of \$6.50. During the three years Jul 06 to Jun 09 there have been 4 fatal, 3 serious and 3 minor injuries in this group.

The outcome for Other Commercial Operations – Helicopter turned sharply upwards during the fourth quarter of 2006 and is now well above the target level. There have been 2 fatal, 2 serious and 8 minor injuries in this group in the three years Jul 06 to Jun 09.



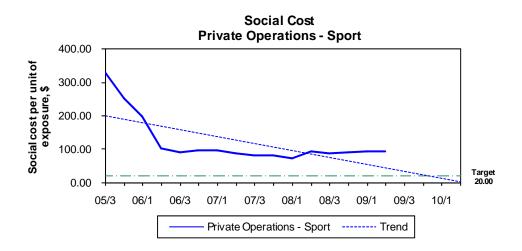
The outcome for Agricultural Operations – Aeroplanes is well above the target level of \$14.00. During the three years Jul 06 to Jun 09 there have been 2 fatal injuries and 1 serious injury in this group.

The outcome for Agricultural Operations – Helicopter is above the target level. There have been 4 injuries (1 fatal, 1 serious and 2 minor) in the three years Jul 06 to Jun 09.



The outcome for Private Operations – Aeroplanes has been trending down since late 2005. There have been 2 fatal, 3 serious and 3 minor injuries in the three years Jul 06 to Jun 09. The long term trend line for the group is below the target line in late 2009.

The outcome for Private Operations – Helicopters has been trending down since early 2006. There have been 1 fatal and 8 minor injuries in the three years Jul 06 to Jun 09.



The outcome for Private Operations – Sport is well above the target of \$20.00. There have been 14 fatal, 24 serious and 17 minor injuries in the three years Jul 06 to Jun 09.

Note that this group includes hang gliders and parachutes used on private operations.

Activity

Air Transport Flights, Total Hours

Quarterly Comparison

Activity	1 Jan to 31 Mar 2007	1 Jan to 31 Mar 2008	Ch Number	ange Percentage
Air Transport Flights	115,226	119,796	+ 4,570	+ 4.0
Total Hours	250,670	266,321	+ 15,651	+ 6.2

Note that these assessments include the aircraft classes aeroplane, helicopter and balloon only and exclude other aircraft classes such as hang gliders and parachutes, and foreign registered aircraft that are operated in New Zealand. These assessments are based on Aircraft Operating Statistics for periods up to the quarter ended 31 March 2008 (the most recent quarter for which these data are available).

Aircraft Movements

Quarterly Comparison

Activity	1 Apr to 30 Jun	1 Apr to 30 Jun	Ch	ange
	2008	2009	Number	Percentage
Aircraft Movements	306,863	282,900	- 23,963	- 7.8

Note that this covers certificated aerodromes only. Includes Auckland, Christchurch, Dunedin, Gisborne (from December 2004), Hamilton, Invercargill, Napier, Nelson, New Plymouth, Ohakea, Palmerston North, Queenstown, Rotorua, Taupo, Tauranga, Wellington and Woodbourne. Excludes Chatham Islands/Tuuta Airport, Kerikeri/Bay of Islands, Manapouri, Mount Cook, Paraparaumu, Timaru, Wanganui, Westport, Whangarei and Wigram.

Registered Aircraft

Quarterly Comparison

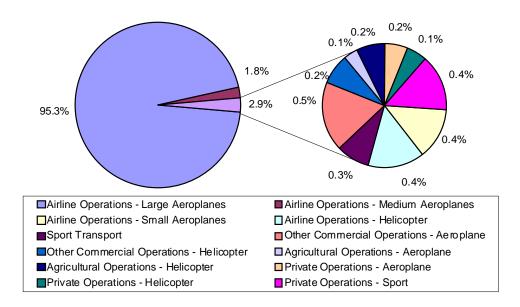
Aircraft Statistics Category	30 June 2008	30 June 2009	Ch Number	ange Percentage
Large Aeroplanes	119	120	+ 1	+ 0.8
Medium Aeroplanes	81	80	- 1	- 1.2
Small Aeroplanes	1,471	1,511	+ 40	+ 2.7
Agricultural Aeroplanes	126	118	- 8	- 6.3
Helicopters	725	752	+ 27	+ 3.7
Sport Aircraft	1,779	1,825	+ 46	+ 2.6
Total	4,301	4,406	+ 105	+ 2.4

Note that these figures include the sport aircraft statistics category and exclude hang gliders and parachutes.

Industry Size and Shape

The following graph and table show the size and shape of the aviation industry as determined from Aircraft Operating Statistics in the relevant 2010 Safety Target Group categories for the period 1 January to 31 March 2008 (the most recent quarter for which Aircraft Operating Statistics data are available). For each Safety Target Group the total number of hours flown is multiplied by the average number of seats and the appropriate load factor, to give the number of seat hours utilised by the group (person exposure). For Safety Target Groups that are not predominantly passenger carrying a surrogate of 500 kg of aircraft weight is used instead of person exposure. For the Sport Safety Target Groups a standard estimate of seat hours offered is used as well as reported data for such aircraft in these groups, as most sport aircraft do not report hours or seats.

Percentage Sector Seat Hours



Safety Target Group	Percentage Sector Seat Hours
Airline Operations - Large Aeroplanes	95.3
Airline Operations - Medium Aeroplanes	1.8
Airline Operations - Small Aeroplanes	0.4
Airline Operations - Helicopter	0.4
Sport Transport	0.3
Other Commercial Operations - Aeroplane	0.5
Other Commercial Operations - Helicopter	0.2
Agricultural Operations - Aeroplane	0.1
Agricultural Operations - Helicopter	0.2
Agricultural Operations - Sport Aircraft	-
Private Operations - Aeroplane	0.2
Private Operations - Helicopter	0.1
Private Operations - Sport	0.4

Note that the percentages may not sum exactly to 100.0% due to rounding.

Accidents

Quarterly Comparison

Number of Accidents

Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	0	0	0
Medium Aeroplanes	0	0	0
Small Aeroplanes	6	4	- 2
Agricultural Aeroplanes	3	1	- 2
Helicopters	6	1	- 5
Sport Aircraft	5	5	0
Hang Gliders	2	2	0
Parachutes	0	2	+ 2
Total	22	15	- 7

Severity of Accidents

Severity	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Critical	3	1	- 2
Major	11	7	- 4
Minor	8	7	- 1

No accidents in the 'Large Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

No accidents in the 'Medium Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

Significant Accidents and Other Injury Accidents

Significant Injury Accidents

There were no significant injury accidents during the period 1 April to 30 June 2009.

Significant Non-Injury Accidents

There were no significant non-injury accidents during the period 1 April to 30 June 2009.

Other Injury Accidents

This section describes other injury accidents that occurred during the period 1 April to 30 June 2009.

Helicopters

Agricultural Operations - Helicopter

• The pilot suffered minor injuries when his R22 had low rotor RPM combined with a downhill flow of wind, causing it to collide with a hillside.

Sport aircraft

Sport Transport

- A hang glider passenger fell and was dragged for some distance during takeoff, suffering minor injuries.
- A parachutist had a heavy landing that resulted in serious injuries.

Private Operations - Sport

- The instructor and student in a glider were both seriously injured when the glider stalled and hit the ground.
- A parachutist suffered serious injuries on landing after approaching too fast and not flaring in time for a normal landing.
- The passenger of an amateur built aeroplane received minor injuries when the nose wheel dug in and the aircraft flipped onto its back during takeoff.

Injuries

Number of Fatal Accidents (and Number of Fatal Injuries)

Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	0	0	0
Medium Aeroplanes	0	0	0
Small Aeroplanes	0	0	0
Agricultural Aeroplanes	0	0	0
Helicopters	0	0	0
Sport Aircraft	2 (4)	0	- 2 (- 4)
Hang Gliders	0	0	0
Parachutes	0	0	0
Total	2 (4)	0	- 2 (- 4)

Number of Serious Injuries

Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	0	0	0
Medium Aeroplanes	0	0	0
Small Aeroplanes	0	0	0
Agricultural Aeroplanes	1	0	- 1
Helicopters	0	0	0
Sport Aircraft	0	2	+ 2
Hang Gliders	1	0	- 1
Parachutes	0	2	+ 2
Total	2	4	+ 2

Number of Minor Injuries

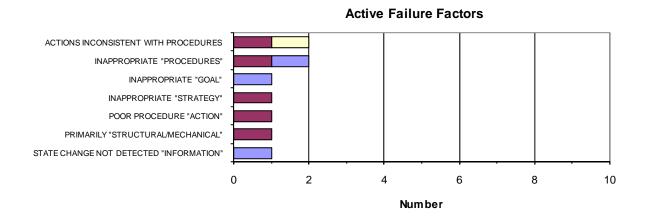
Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	0	0	0
Medium Aeroplanes	0	0	0
Small Aeroplanes	0	0	0
Agricultural Aeroplanes	0	0	0
Helicopters	0	1	+ 1
Sport Aircraft	0	1	+ 1
Hang Gliders	2	1	- 1
Parachutes	0	0	0
Total	2	3	+ 1

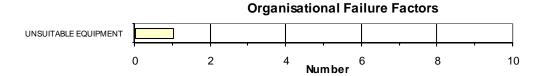
Accident Causal Factors by Aircraft Statistics Category

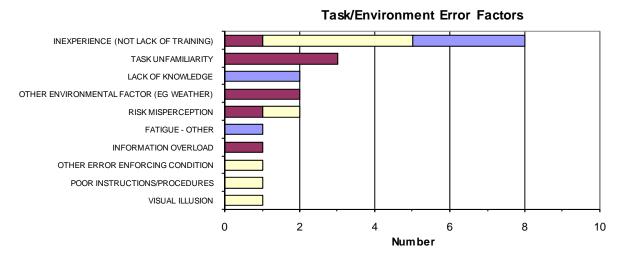
The following graphs show the number of causal factors recorded for accidents that occurred during the 12-month period 1 April 2008 to 31 March 2009 for the various aircraft statistics categories.

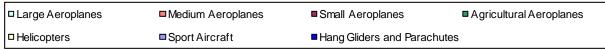
Causal factors have been assigned to 21 (18%) of the 118 accidents.

Note that causes are not yet available for all accidents that occurred in the 1 April to 30 June 2009 period.







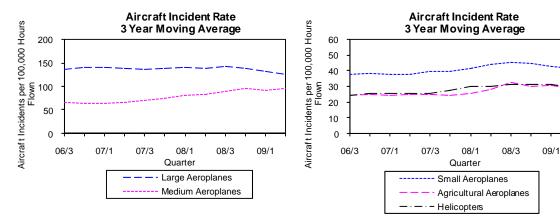


Note that Task/Environment Violation Factors have not been recorded for any accidents that occurred during the period 1 April 2008 to 31 March 2009.

Aircraft Incidents

Trends

The following graphs show the aircraft incident rates (3 year moving average) for the three-year period 1 July 2006 to 30 June 2009 (excluding the Sport Aircraft statistics category).



Quarterly Comparison

Number of Aircraft Incidents

Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	107	73	- 34
Medium Aeroplanes	18	16	- 2
Small Aeroplanes	56	23	- 33
Agricultural Aeroplanes	7	0	- 7
Helicopters	14	8	- 6
Sport Aircraft	4	9	+ 5
Unknown Aircraft	25	6	- 19
Total	231	135	- 96

Severity of Aircraft Incidents

Severity	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Critical	2	0	- 2
Major	28	22	- 6
Minor	201	113	- 88

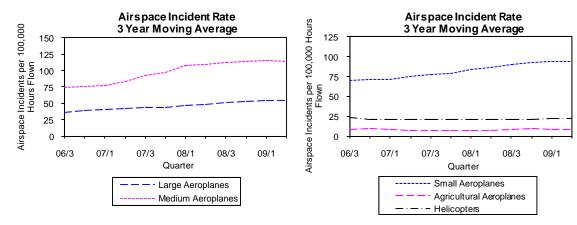
One aircraft incident in the 'Large Aeroplanes' statistics category was classified as Critical in the 1 April to 30 June 2008 quarter. No aircraft incidents in the 'Large Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2009 quarter.

No aircraft incidents in the 'Medium Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

Airspace Incidents

Trends

The following graphs show the airspace incident rates (3 year moving average) for the three-year period 1 July 2006 to 30 June 2009 (excluding the Sport Aircraft statistics category).



Quarterly Comparison

Number of Airspace Incidents

Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	47	51	+ 4
Medium Aeroplanes	12	17	+ 5
Small Aeroplanes	99	69	- 30
Agricultural Aeroplanes	2	1	- 1
Helicopters	15	8	- 7
Sport Aircraft	4	16	+ 12
Unknown Aircraft	74	50	- 24
Total	253	212	- 41

Severity of Airspace Incidents

Severity	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Critical	1	0	- 1
Major	13	34	+ 21
Minor	239	178	- 61

No airspace incidents in the 'Large Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

No airspace incidents in the 'Medium Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

Attributability

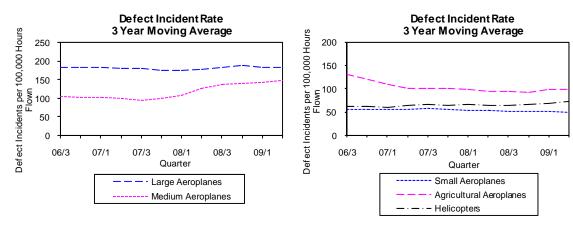
Of the 212 airspace incidents in the 1 April to 30 June 2009 quarter, 18% are Air Traffic Service (ATS) attributable, 69% are pilot attributable, 0% are ATS and pilot attributable, and 13% are unknown attributable. (Note that the percentages may not sum exactly to 100% due to rounding.)

Since July 2006 the long-term trend of the ATS attributable airspace occurrence rate is constant (the slope of the trend line is zero) and the long-term trend of the pilot attributable rate is upward (but the slope of the trend line is close to zero).

Defect Incidents

Trends

The following graphs show the defect incident rates (3 year moving average) for the three-year period 1 July 2006 to 30 June 2009 (excluding the Sport Aircraft statistics category).



Quarterly Comparison

Number of Defect Incidents

Aircraft Statistics Category	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Large Aeroplanes	163	171	+ 8
Medium Aeroplanes	52	29	- 23
Small Aeroplanes	42	46	+ 4
Agricultural Aeroplanes	14	6	- 8
Helicopters	23	50	+ 27
Sport Aircraft	0	6	+ 6
Unknown Aircraft	7	9	+ 2
Total	301	317	+ 16

Severity of Defect Incidents

Severity	1 Apr to 30 Jun 2008	1 Apr to 30 Jun 2009	Change
Critical	0	0	0
Major	42	78	+ 36
Minor	259	239	- 20

No defect incidents in the 'Large Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

No defect incidents in the 'Medium Aeroplanes' statistics category were classified as Critical in the 1 April to 30 June 2008 or 2009 quarters.

Rate Monitoring

Defect incident rate monitoring of individual types of large and medium air transport aircraft has been carried out against the CAA standard for the period ended 31 March 2009. Analysis shows that four of the 14 monitored aircraft types have defect rates above the "trigger level" for CAA action.

Bird Incident Rates

Bird hazard monitoring has been carried out against the CAA standard for the period ended 30 June 2009. Analysis shows that four of the 18 monitored aerodromes have bird strike rates above the "trigger level" for CAA action.

There were no aerodromes with strike rates in the high risk category of the CAA standard (above 10.0 bird strikes per 10,000 aircraft movements). Seven aerodromes had strike rates in the medium risk category (5.0 to 10.0 per 10,000 movements), two having a long-term upward trend, one having a long-term constant trend and four having long-term downward trends. Eleven aerodromes had strike rates in the low risk category (below 5.0 per 10,000 movements) one having a long-term upward trend, six a long-term constant trend and four a long-term downward trend.

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Quarterly Statistics

Quarter	2006/3	2006/4	2007/1	2007/2	2007/3	2007/4
Number of Air Transport Flights ¹	98,282	104,799	115,226	100,420	85,937	104,008
Number of Hours Flown ¹	211,067	226,271	250,670	227,923	218,463	243,975
Number of Aircraft Movements ²	263,142	255,765	290,284	272,719	289,005	300,512
Number of Aircraft on the Register ³	3,995	4,033	4,075	4,105	4,127	4,193
Number of Licences (Type of Medical Certificate) 4						
Recreational Pilot Licence (RPL Medical)	0	0	0	0	0	0
Private Pilot Licence (Class 1 & 2)	3,616	3,465	3,500	3,742	3,788	3,819
Commercial Pilot Licence (Class 2 only)	1,537	1,660	1,788	1,609	1,642	1,662
Commercial Pilot Licence (Class 1)	2,108	1,960	1,815	2,117	2,137	2,155
Airline Transport Pilot Licence (Class 2 only)	780	929	885	746	842	913
Airline Transport Pilot Licence (Class 1)	1,030	889	919	1,147	1,085	1,055
Air Traffic Controller Licence (Class 3)	308	294	299	326	330	325
Aircraft Maintenance Engineer Licence (N/A)	2,135	2,151	2,161	2,181	2,203	2,227
Number of Part 119 Certificated Operators						
Air Operator – Large Aeroplanes	11	11	11	11	11	11
Air Operator – Medium Aeroplanes	13	14	14	13	15	16
Air Operator – Helicopters and Small Aeroplanes	160	163	161	159	161	164
Air Operator – Pacific	3	3	2	3	4	3
Number of Aircraft Accidents ⁵						
Large Aeroplanes	0	0	0	0	0	0
Medium Aeroplanes	0	0	0	1	0	0
Small Aeroplanes	2	8	8	4	1	7
Agricultural Aeroplanes	0	0	1	3	1	1
Helicopters	5	6	5	1	2	4
Sport Aircraft	4	4	8	10	3	5
Unknown Aircraft	0	2	0	0	0	1
Hang Gliders	3	4	4	1	4	2
Parachutes	1	1	4	1	0	1
Number of Fatal Accidents ⁵	1	3	1	0	0	3
Number of Fatal Injuries ⁵	1	6	1	0	0	3
Number of Serious + Minor Injuries ⁵	4	15	9	8	5	8
Social Cost \$ million ⁶	4.10	25.09	7.46	1.81	3.85	11.96
Number of Incidents ⁷	994	1,089	1,068	1,079	1,023	1,026
Number of Aviation Related Concerns	109	89	77	75	76	86
	1					

¹ New Zealand registered aircraft. Includes the aircraft classes aeroplane, helicopter and balloon only; excludes other aircraft classes, hang gliders and parachutes. Estimated for 2008/2, 2008/3, 2008/4, 2009/1 and 2009/2.

² Certificated aerodromes. Includes Auckland, Christchurch, Dunedin, Gisborne (from December 2004), Hamilton, Invercargill, Napier, Nelson, New Plymouth, Ohakea, Palmerston North, Queenstown, Rotorua, Taupo, Tauranga, Wellington and Woodbourne. Excludes Chatham Islands/Tuuta Airport, Kerikeri/Bay of Islands, Manapouri, Mount Cook, Paraparaumu, Timaru, Wanganui, Westport, Whangarei and Wigram.

³ As at the last day of the quarter. Includes the sport aircraft statistics category. Excludes hang gliders and parachutes.

Quarter	2008/1	2008/2	2008/3	2008/4	2009/1	2009/2
Number of Air Transport Flights ¹	119,796	104,687	89,860	108,432	124,610	109,190
Number of Hours Flown ¹	266,321	239,642	227,553	249,192	269,419	242,041
Number of Aircraft Movements ²	321,583	306,863	291,661	295,075	299,289	282,900
Number of Aircraft on the Register ³	4,250	4,301	4,315	4,354	4,405	4,406
Number of Licences (Type of Medical Certificate) ⁴						
Recreational Pilot Licence (RPL Medical)	0	0	32	68	80	103
Private Pilot Licence (Class 1 & 2)	3,873	3,856	3,849	3,733	3,787	3,799
Commercial Pilot Licence (Class 2 only)	1,705	1,763	1,792	1,761	1,794	1,909
Commercial Pilot Licence (Class 1)	2,171	2,162	2,199	2,295	2,322	2,300
Airline Transport Pilot Licence (Class 2 only)	869	847	947	991	903	893
Airline Transport Pilot Licence (Class 1)	1,109	1,152	1,073	1,048	1,130	1,152
Air Traffic Controller Licence (Class 3)	325	332	340	342	342	345
Aircraft Maintenance Engineer Licence (N/A)	2,241	2,276	2,311	2,342	2,352	2,378
Number of Part 119 Certificated Operators						
Air Operator – Large Aeroplanes	11	11	10	9	10	10
Air Operator – Medium Aeroplanes	16	16	15	15	15	15
Air Operator – Helicopters and Small Aeroplanes	163	161	163	163	166	171
Air Operator – Pacific	2	3	3	2	2	1
Number of Aircraft Accidents ⁵						
Large Aeroplanes	0	0	0	0	1	0
Medium Aeroplanes	0	0	0	1	0	0
Small Aeroplanes	8	6	8	9	7	4
Agricultural Aeroplanes	6	3	2	3	0	1
Helicopters	5	6	5	7	6	1
Sport Aircraft	13	5	4	14	11	5
Unknown Aircraft	0	0	0	1	0	0
Hang Gliders	1	2	1	2	12	2
Parachutes	0	0	0	1	1	2
Number of Fatal Accidents ⁵	5	2	1	3	4	0
Number of Fatal Injuries ⁵	7	4	2	3	6	0
Number of Serious + Minor Injuries ⁵	2	4	12	10	10	7
Social Cost \$ million ⁶	27.25	14.61	4.81	13.45	23.45	1.47
Number of Incidents ⁷	4 000	4.074	4 005	4 4 4 0		
Number of incidents	1,230	1,271	1,295	1,148	1,169	1,122

⁴ As at the last day of the quarter. For RPL holders, a medical fitness certificate, in accordance with the NZTA medical fitness standards that are applicable for a Class 2, 3, 4 or 5 driver licence with a passenger endorsement. For PPL, CPL & ATPL holders, an active class 1 or active class 2 medical certificate; this means that for CPL and ATPL licences, the number with a class 2 medical only, must only be exercising PPL privileges (or not flying at all). For ATCL holders, an active class 3 medical certificate. This does not show the number of licence holders as each client may hold more than one licence.

⁵ All accidents. All aircraft statistics categories. Includes hang gliders and parachutes.

⁶ All aircraft statistics categories. Includes hang gliders and parachutes. Cost of fatal, serious and minor injuries, and aircraft destroyed, in June 2008 dollars.

⁷ All incident sub-types.

Definitions

Accident

Means an occurrence that is associated with the operation of an aircraft and takes place between the time any person boards the aircraft with the intention of flight and such time as all such persons have disembarked and the engine or any propellers or rotors come to rest, being an occurrence in which—

- (1) a person is fatally or seriously injured as a result of—
 - (i) being in the aircraft; or
 - (ii) direct contact with any part of the aircraft, including any part that has become detached from the aircraft; or
 - (iii) direct exposure to jet blast-

except when the injuries are self-inflicted or inflicted by other persons, or when the injuries are to stowaways hiding outside the areas normally available to passengers and crew; or

- (2) the aircraft sustains damage or structural failure that-
 - (i) adversely affects the structural strength, performance, or flight characteristics of the aircraft; and
 - (ii) would normally require major repair or replacement of the affected component—

except engine failure or damage that is limited to the engine, its cowlings, or accessories, or damage limited to propellers, wing tips, rotors, antennas, tyres, brakes, fairings, small dents, or puncture holes in the aircraft skin; or

(3) the aircraft is missing or is completely inaccessible.

Aircraft Incident

Means any incident, not otherwise classified, associated with the operation of an aircraft.

Aircraft Statistics Category

The following table shows the definition of each aircraft statistics category and the aircraft classes included.

Aircraft Statistics Category	Definition	Aircraft Class
Large Aeroplanes	Aeroplanes that must be operated under Part 121 when used for air transport	Aeroplane
Medium Aeroplanes	Aeroplanes that must be operated under Part 125 when used for air transport, except for those required to operate under Part 125 solely due to operating SEIFR	Aeroplane
Small Aeroplanes	Other Aeroplanes with Standard Category Certificates of Airworthiness	Aeroplane
Agricultural Aeroplanes	Aeroplanes with Restricted Category Certificates of Airworthiness limited to agricultural operations	Aeroplane
Helicopters	Helicopters with Standard or Restricted Category Certificates of Airworthiness	Helicopter
Sport Aircraft	All aircraft not included in the groups above	Aeroplane, Amateur Built Aeroplane, Amateur Built Glider, Amateur Built Helicopter, Balloon, Glider, Gyroplane, Helicopter, Microlight Class 1, Microlight Class 2, Power Glider

Other Aircraft Types (not included on the NZ Aircraft Register)

Hang Glider

Means a glider, including a powered glider, that is capable of being launched and landed solely by the use of the pilot's legs, and includes paragliders. **Paraglider** means a hang glider with no rigid primary structure.

Parachute

Means any device, without a motor in operation, comprising a flexible drag, or lift/drag, surface from which a load is suspended by shroud lines capable of controlled deployment from a packed condition.

Airspace Incident

Means an incident involving deviation from, or shortcomings of, the procedures or rules for—

- (1) avoiding a collision between aircraft; or
- (2) avoiding a collision between aircraft and other obstacles when an aircraft is being provided with an Air Traffic Service.

Bird Incident

Means an incident where-

- (1) there is a collision between an aircraft and one or more birds; or
- (2) when one or more birds pass sufficiently close to an aircraft in flight to cause alarm to the pilot.

Defect Incident

Means an incident that involves failure or malfunction of an aircraft or aircraft component, whether found in flight or on the ground.

Fatal Injury

Means any injury which results in death within 30 days of the accident.

Incident

Means any occurrence, other than an accident, that is associated with the operation of an aircraft and affects or could affect the safety of operation.

Incident Sub-Types	
Aerodrome Incident	Dangerous Goods Incident
Aircraft Incident	Defect Incident
Airspace Incident	Facility Malfunction Incident
Bird Incident	Promulgated Information Incident
Cargo Security Incident	Security Incident

Occurrence

Means an accident or incident.

Serious Injury

Means any injury that is sustained by a person in an accident and that—

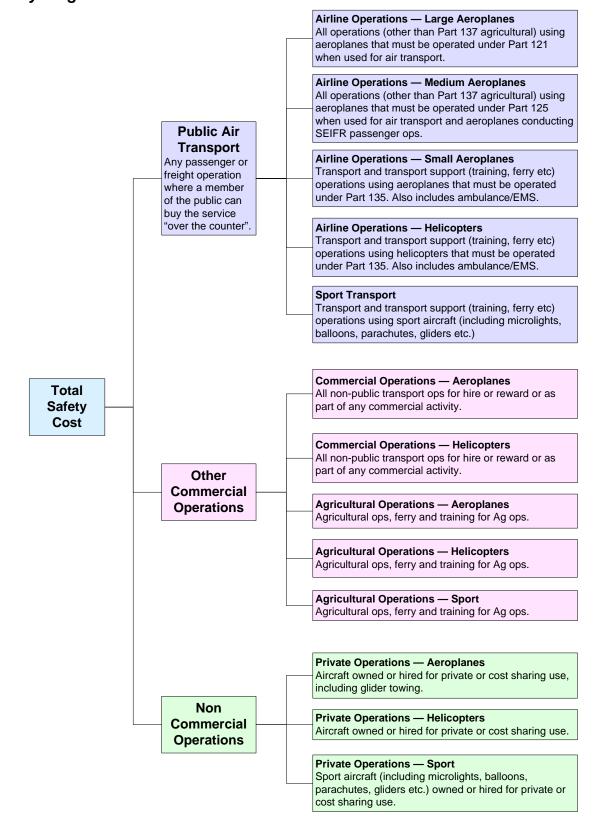
- (1) requires hospitalisation for more than 48 hours, commencing within 7 days from the date the injury was received; or
- (2) results in a fracture of any bone, except simple fractures of fingers, toes, or nose; or
- (3) involves lacerations which cause severe haemorrhage, nerve, muscle, or tendon damage; or
- (4) involves injury to an internal organ; or
- (5) involves second or third degree burns, or any burns affecting more than 5% of the body surface; or
- (6) involves verified exposure to infectious substances or injurious radiation.

Severity

The following definitions apply to the severity accorded to accidents and incidents as the result of investigation of occurrences:

Severity	Definition
Critical	An occurrence or deficiency that caused, or on its own had the potential to cause, loss of life or limb;
Major	An occurrence or deficiency involving a major system that caused, or had the potential to cause, significant problems to the function or effectiveness of that system;
Minor	An isolated occurrence or deficiency not indicative of a significant system problem.

Safety Target Structure



Errata for previous reports

Aviation Safety Summary Report for 1 July to 30 September 2008

Significant Accidents and Other Injury Accidents

Significant Injury Accidents

A significant injury accident that occurred during the period 1 July to 30 September 2008 was recorded on the CAA database in July 2009.

Small Aeroplanes

Safety Target Group: Other

• The New Zealand registered aeroplane was on a parachuting exercise in Switzerland when a parachute caught the tail of the plane. The plane crashed in the woods killing the pilot and one passenger.