Aviation Industry Safety Update

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Introduction

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

Data in tables may not sum exactly to the total shown due to rounding.

Occurrence statistics

The "Twelve Month Moving Average" graphs in the Occurrence Statistics section give an indication of the level of safety failure during the period 1 April 2004 to 31 March 2007. They are constructed from data in the Civil Aviation Authority Management Information System, and use actual data reported to the CAA.

Industry Activity Statistics

Registered Aircraft

The following table summarises the number of aircraft on the register by aircraft statistics category at 31 March 2007 and 6 months prior:

Aircraft Statistics Category	30 S	30 Sep 2006 31 Mar 2007		Change		
	Number	Percentage	Number	Percentage	Number	Percentage
Aeroplanes that must be operated under Part 121	119	3.0	115	2.8	- 4	- 3.4
Aeroplanes that must be operated under at least Part 125	81	2.0	80	2.0	- 1	- 1.2
Other Aeroplanes with Standard Airworthiness Certificate	1,411	35.3	1,432	35.1	+ 21	+ 1.5
Aeroplanes used for agricultural operations	127	3.2	127	3.1	0	0.0
Helicopters with Standard Category Airworthiness Certificate	648	16.2	658	16.1	+ 10	+ 1.5
Sport Aircraft	1,609	40.3	1663	40.8	+ 54	+ 3.4
Total	3,995		4,075		+ 80	+ 2.0

Licences

The following table summarises the number of private pilot, commercial pilot, airline transport pilot, air traffic controller and aircraft maintenance engineer licences on the register at 31 March 2007 and 6 months prior:

Licence Type	Medical	30 Sep	31 Mar	Ch	ange
	Certificate	2006	2007	Number	Percentage
Private Pilot	Class 1 & 2	3,616	3,500	- 116	- 3.2
Commercial Pilot	Class 2 only	1,537	1,788	+ 251	+ 16.3
Commercial Pilot	Class 1	2,108	1,815	- 293	- 13.9
Airline Transport Pilot	Class 2 only	780	885	+ 105	+ 13.5
Airline Transport Pilot	Class 1	1,030	919	- 111	- 10.8
Air Traffic Controller	Class 3	308	299	- 9	- 2.9
Aircraft Maintenance Engineer	N/A	2,135	2,161	+ 26	+ 1.2
Total Licences		11,514	11,367	- 147	- 1.3

Note — The statistics above for pilot licences count only those with active class 1 or active class 2 medical certificates. 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). The statistics above for Air Traffic Controller Licences count only those with an active class 3 medical certificate.

The statistics above do not show the number of licence holders as each client may hold more than one licence [e.g. PPL (helicopter) and PPL (aeroplane), or PPL (Helicopter) and CPL (Balloon), held by one client counts as two licences].

Certificated Operators

The following tables show the number of Civil Aviation Rule Part certificate holders at 31 March 2007 and 6 months prior.

Rule Part	30 Sep	31 Mar	CI	hange
	2006	2007	Number	Percentage
Part 119 Air Operator	173	174	+ 1	+ 0.6
Part 119 Air Operator – Pacific	3	2	- 1	- 33.3
Part 129 Foreign Air Operator	40	41	+ 1	+ 2.5
Part 137 Agricultural Aircraft Operator	117	115	- 2	- 1.7
Part 139 Aerodromes	25	25	0	0.0
Part 140 Aviation Security Services	1	1	0	0.0
Part 141 Aviation Training Organisation	48	47	- 1	- 2.1
Part 145 Aircraft Maintenance Organisation	54	56	+ 2	+ 3.7
Part 146 Aircraft Design Organisation	12	12	0	0.0
Part 148 Aircraft Manufacturing Organisation	22	24	+ 2	+ 9.1
Part 149 Recreation Organisation	7	8	+ 1	+ 14.3
Part 171 Aeronautical Telecommunication Service Organisation	3	3	0	0.0
Part 172 Air Traffic Service	1	1	0	0.0
Part 174 Meteorological Service Organisation	2	2	0	0.0
Part 175 Aeronautical Information Service Organisation	2	2	0	0.0
Part 19 Supply Organisation Certificate of Approval	57	60	+ 3	+ 5.3
Part 92 Dangerous Goods Packaging Approval	36	44	+ 8	+ 22.2

Note: the figures show the total number of approvals held by organisations with Part 92 certificates.

Part 119 Air Operator	30 Sep	31 Mar	Change	
	2006	2007	Number	Percentage
Part 108 Security Programme	19	19	0	0.0
Part 121 Large Aeroplanes	11	11	0	0.0
Part 125 Medium Aeroplanes	13	14	+ 1	+ 7.7
Part 135 Helicopters and Small Aeroplanes	160	161	+ 1	+ 0.6

Part 119 Air Operator – Pacific	30 Sep	31 Mar	Change	
	2006	2007	Number	Percentage
Part 108 Security Programme	3	2	- 1	- 33.3
Part 121 Large Aeroplanes	2	2	0	0.0
Part 125 Medium Aeroplanes	3	2	- 1	- 33.3
Part 135 Helicopters and Small Aeroplanes	2	2	0	0.0

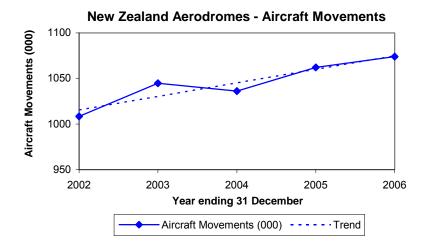
Part 129 Foreign Air Operator	30 Sep	31 Mar	Change	
	2006	2007	Number	Percentage
Part 108 Security Programme	31	33	+ 2	+ 6.5

Aircraft Movements

The following graph and table show the number of aircraft movements at the following aerodromes: Auckland, Christchurch, Dunedin, Gisborne, Hamilton, Invercargill, Milford Sound, Napier, Nelson, New Plymouth, Ohakea, Palmerston North, Queenstown, Rotorua, Taupo, Tauranga, Wellington, Whenuapai and Woodbourne.

Long-Term Change in Aircraft Movements

The following graph shows the number of aircraft movements for the five-year period 1 January 2002 to 31 December 2006.



The number of aircraft movements increased at an average of 1.6% each year from the year ended 31 December 2002 until the year ended 31 December 2006 when a high of 1,074,109 was reached.

Six-Monthly Comparison

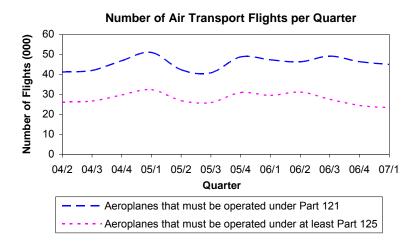
Number of Aircraft Movements

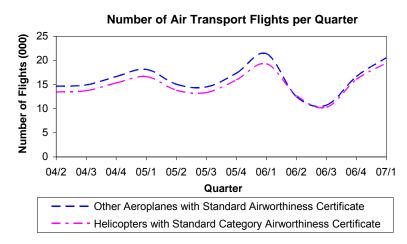
Activity	1 Jul to 31 Dec	1 Jul to 31 Dec	Cł	nange
	2005	2006	Number	Percentage
Aircraft Movements	529,941	534,545	+ 4,604	+ 0.9

Air Transport Flights

Note that these graphs exclude the aircraft statistics categories Sport Aircraft, Hang Gliders and Parachutes, and foreign registered aircraft that are operated in New Zealand.

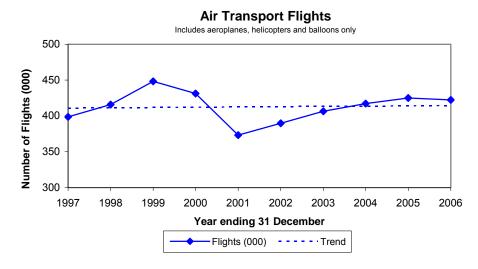
The following graphs show the number of air transport flights per quarter during the three-year period 1 April 2004 to 31 March 2007.





Long-Term Change in Air Transport Flights

The following graph shows the number of air transport flights (includes the aircraft classes aeroplane, helicopter and balloon only; excludes other aircraft classes, hang gliders and parachutes) for the 10-year period 1 January 1997 to 31 December 2006.



The number of air transport flights increased at an average of 2.1% each year from 389,747 in the year ended 31 December 2002 to 422,265 in the year ended 31 December 2006.

Six-Monthly Comparison

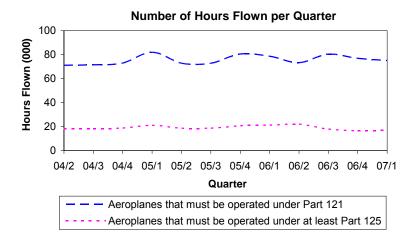
Number of Air Transport Flights

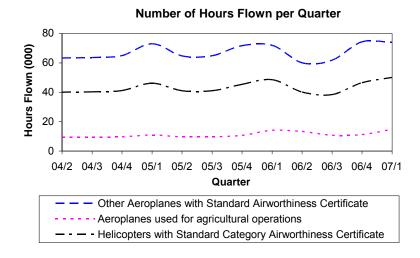
Aircraft Statistics Category	1 Jul to 31 Dec	1 Jul to 31 Dec	Change	
	2005	2006	Number	Percentage
Aeroplanes that must be operated under Part 121	89,585	95,563	+ 5,978	+ 6.7
Aeroplanes that must be operated under at least Part 125	56,856	51,996	- 4,860	- 8.5
Other Aeroplanes with Standard Airworthiness Certificate	31,834	27,373	- 4,461	- 14.0
Aeroplanes used for agricultural operations	0	0	0	0.0
Helicopters with Standard Category Airworthiness Certificate	29,261	26,316	- 2,945	- 10.1
Sport Aircraft (aeroplane, helicopter and balloon only)	549	229	- 320	- 58.3
Total	208,084	201,477	- 6,607	- 3.2

Hours Flown

Note that these graphs exclude the aircraft statistics categories Sport Aircraft, Hang Gliders and Parachutes, and foreign registered aircraft that are operated in New Zealand.

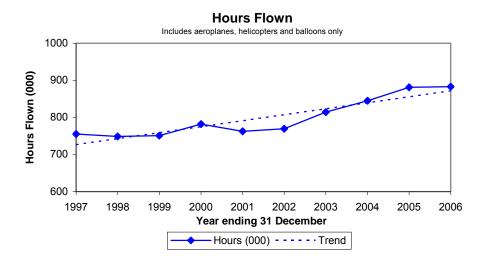
The following graphs show the number of hours flown by aircraft during the three-year period 1 April 2004 to 31 March 2007.





Long-Term Change in Hours Flown

The following graph shows the number of 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 January 1997 to 31 December 2006.



The total number of hours flown increased at an average of 3.7% each year from 769,576 in the year ended 31 December 2002 to 882,767 in the year ended 31 December 2006.

Six-Monthly Comparison

Number of Hours Flown

Aircraft Statistics Category	1 Jul to 31 Dec	1 Jul to 31 Dec	Change	
	2005	2006	Number	Percentage
Aeroplanes that must be operated under Part 121	153,406	157,236	+ 3,830	+ 2.5
Aeroplanes that must be operated under at least Part 125	39,454	34,373	- 5,081	- 12.9
Other Aeroplanes with Standard Airworthiness Certificate	136,593	136,240	- 353	- 0.3
Aeroplanes used for agricultural operations	20,367	22,022	+ 1,655	+ 8.1
Helicopters with Standard Category Airworthiness Certificate	86,438	84,941	- 1,497	- 1.7
Sport Aircraft (aeroplane, helicopter and balloon only)	2,392	1,807	- 585	- 24.5
Total	438,649	436,619	- 2,030	- 0.5

1 July to 31 December 2005

Aircraft Statistics Category	Airline/ Transport	Other Commercial	Agricultural	Private	Total
Aeroplanes that must be operated under Part 121	153,406	0	0	0	153,406
Aeroplanes that must be operated under at least Part 125	38,872	0	582	0	39,454
Other Aeroplanes with Standard Airworthiness Certificate	33,512	80,030	0	23,051	136,593
Aeroplanes used for agricultural operations	0	490	19,812	66	20,367
Helicopters with Standard Category Airworthiness Certificate	33,388	16,784	28,093	8,174	86,438
Sport Aircraft (aeroplane, helicopter and balloon only)	989	0	0	1,403	2,392
Total	260,167	97,303	48,486	32,694	438,649

1 July to 31 December 2006

Aircraft Statistics Category	Airline/ Transport	Other Commercial	Agricultural	Private	Total
Aeroplanes that must be operated under Part 121	157,236	0	0	0	157,236
Aeroplanes that must be operated under at least Part 125	34,373	0	0	0	34,373
Other Aeroplanes with Standard Airworthiness Certificate	36,209	76,950	197	22,885	136,240
Aeroplanes used for agricultural operations	0	578	21,327	117	22,022
Helicopters with Standard Category Airworthiness Certificate	31,193	18,759	25,748	9,240	84,941
Sport Aircraft (aeroplane, helicopter and balloon only)	425	0	30	1,352	1,807
Total	259,437	96,286	47,303	33,594	436,619

Industry Size and Shape

The following table shows 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 July to 31 December 2006. 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 seat hours.

Safety Target Group	Average No. of Seats	Seat Hours Offered (1,000's)	Percentage Sector Seat Hours
Airline Operations - Large Aeroplanes	172.12	19,756	96.2
Airline Operations - Medium Aeroplanes	13.93	287	1.4
Airline Operations - Small Aeroplanes	3.82	83	0.4
Airline Operations - Helicopter	3.6	67	0.3
Sport Transport*	*	31	0.1
Other Commercial Operations - Aeroplane	2	78	0.4
Other Commercial Operations - Helicopter	3.6	34	0.2
Agricultural Operations - Aeroplane	2	24	0.1
Agricultural Operations - Helicopter	3.6	51	0.2
Agricultural Operations - Sport Aircraft	-	-	-
Private Operations - Aeroplane	2	32	0.2
Private Operations - Helicopter	3.6	23	0.1
Private Operations - Sport*	*	64	0.3

^{*} most sport aircraft do not report hours or seats, so a standard estimate of seat hours offered is used as well as reported data for such aircraft in these groups.

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

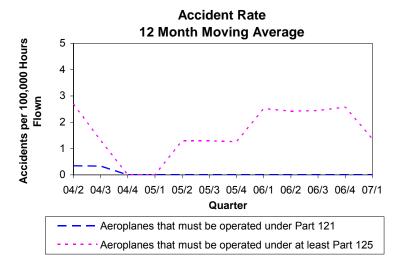
This table shows that around 96.2% of seat hours are offered by the Airline Operations – Large Aeroplanes group, around 1.4% by the Airline Operations – Medium Aeroplanes group, with the remaining 2.4% of seat hours offered being split between the other safety target groups.

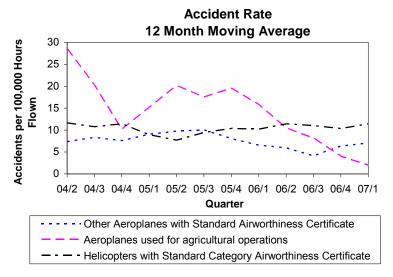
Occurrence Statistics

Aircraft Accidents

Occurrence Trend

The following graphs show the aircraft accident rates (accidents per 100,000 hours flown) twelve month moving average for the three-year period 1 April 2004 to 31 March 2007 (excluding the aircraft statistics categories Sport Aircraft, Hang Gliders and Parachutes).



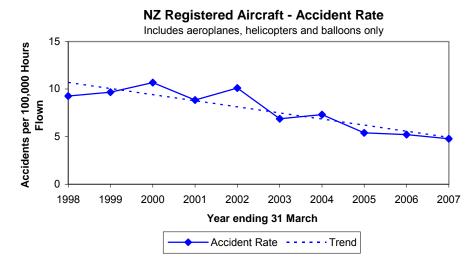


Aircraft Statistics Category	Straight Line Trend of 12 month moving Average
Aeroplanes that must be operated under Part 121	Constant
Aeroplanes that must be operated under at least Part 125	Trending up
Other Aeroplanes with Standard Airworthiness Certificate	Trending down
Aeroplanes used for agricultural operations	Trending down
Helicopters with Standard Category Airworthiness Certificate	Constant

The slopes of the trend lines for the 'Aeroplanes that must be operated under Part 121' and 'Helicopters with Standard Category Airworthiness Certificate' categories are zero, and the slopes of the trend lines for the 'Aeroplanes that must be operated under at least Part 125' and 'Other Aeroplanes with Standard Airworthiness Certificate' categories are close to zero.

Long-Term 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 April 1997 to 31 March 2007.



Note that this graph does not show a moving average.

Six-Monthly Comparison

Number of Aircraft Accidents

Aircraft Statistics Category	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under Part 121	0	0	0
Aeroplanes that must be operated under at least Part 125	0	0	0
Other Aeroplanes with Standard Airworthiness Certificate	9	10	+ 1
Aeroplanes used for agricultural operations	3	0	- 3
Helicopters with Standard Category Airworthiness Certificate	12	10	- 2
Sport Aircraft	8	8	0
Hang Gliders	2	7	- 5
Parachutes	0	2	+ 2
Unknown	0	2	+ 2
Total	34	39	+ 5

Severity

Six-Monthly Comparison

Aircraft Statistics Category	Severity	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under	Critical	0	0	0
Part 121	Major	0	0	0
	Minor	0	0	0
Aeroplanes that must be operated under	Critical	0	0	0
at least Part 125	Major	0	0	0
	Minor	0	0	0
Other Aeroplanes with Standard	Critical	4	2	- 2
Airworthiness Certificate	Major	3	6	+ 3
	Minor	2	2	0
Aeroplanes used for agricultural	Critical	1	0	- 1
operations	Major	1	0	- 1
	Minor	1	0	- 1
Helicopters with Standard Category	Critical	4	3	- 1
Airworthiness Certificate	Major	6	6	0
	Minor	2	1	- 1
Sport Aircraft	Critical	1	1	0
	Major	4	4	0
	Minor	3	3	0
Hang Gliders	Critical	0	1	+ 1
	Major	1	3	+ 2
	Minor	1	3	+ 2
Parachutes	Critical	0	1	+ 1
	Major	0	1	+ 1
	Minor	0	0	0
Unknown	Critical	0	1	+ 1
	Major	0	1	+ 1
	Minor	0	0	0
Total	Critical	10	9	- 1
	Major	15	21	+ 6
	Minor	9	9	0

Safety Outcome Targets for 2010

Number of Accidents

The following table shows the number of accidents for the years ending 31 December 2005 to 31 December 2006.

Safety Target Group	1 Jan to 31 Dec 2005	1 Jan to 31 Dec 2006
Airline Operations - Large Aeroplanes	0	0
Airline Operations - Medium Aeroplanes	1	1
Airline Operations - Small Aeroplanes	5	0
Airline Operations - Helicopter	2	0
Sport Transport	0	8
Other Commercial Operations - Aeroplane	5	10
Other Commercial Operations - Helicopter	3	6
Agricultural Operations - Aeroplane	8	2
Agricultural Operations - Helicopter	4	6
Agricultural Operations - Sport Aircraft	0	0
Private Operations - Aeroplane	12	8
Private Operations - Helicopter	9	6
Private Operations - Sport	33	41

The following table shows the number of accidents in six-monthly periods.

Safety Target Group	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Airline Operations - Large Aeroplanes	0	0	0
Airline Operations - Medium Aeroplanes	0	0	0
Airline Operations - Small Aeroplanes	3	0	- 3
Airline Operations - Helicopter	2	0	- 2
Sport Transport	0	4	+ 4
Other Commercial Operations - Aeroplane	2	5	+ 3
Other Commercial Operations - Helicopter	2	4	+ 2
Agricultural Operations - Aeroplane	3	0	- 3
Agricultural Operations - Helicopter	1	2	+ 1
Agricultural Operations - Sport Aircraft	0	0	0
Private Operations - Aeroplane	4	5	+ 1
Private Operations - Helicopter	7	4	- 3
Private Operations - Sport	10	15	+ 5

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 6-month period 1 July to 31 December 2006. Social cost is the cost of fatal, serious and minor injuries, and aircraft destroyed, expressed in 2006 dollars.

Safety Target Group	Social Cost \$m
Airline Operations - Large Aeroplanes	-
Airline Operations - Medium Aeroplanes	-
Airline Operations - Small Aeroplanes	0.27
Airline Operations - Helicopter	-
Sport Transport	0.98
Other Commercial Operations - Aeroplane	0.02
Other Commercial Operations - Helicopter	1.42
Agricultural Operations - Aeroplane	-
Agricultural Operations - Helicopter	3.05
Agricultural Operations - Sport Aircraft	-
Private Operations - Aeroplane	6.60
Private Operations - Helicopter	0.29
Private Operations - Sport	13.42
Total	26.05

Note that the individual values in the table may not sum exactly to the total shown due to rounding.

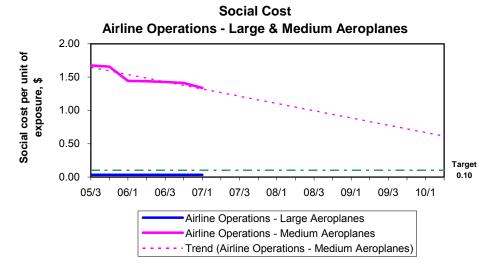
Safety Target Graphs

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 the Airline Operations – Large Aeroplanes and Medium Aeroplanes groups are derived using 10 year averages; all other groups use 12 month averages.

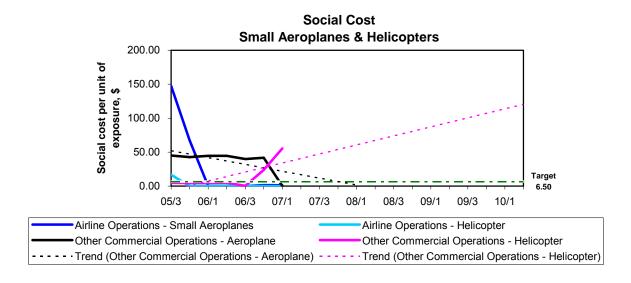
Graphs displaying the Safety Outcome Targets and the progress over each quarter are shown on the following pages.

Graphs



The outcome for Airline Operations – Large Aeroplanes has remained well below the target level of \$0.10 per hour of exposure since the target regime was established in 2005. There is no discernable trend either up or down.

The outcome for Airline Operations – Medium Aeroplanes exceeds the target by a considerable margin and although trending down, because of the relatively small exposure associated with this sector, it will not be possible for the target to be achieved until after 2010.

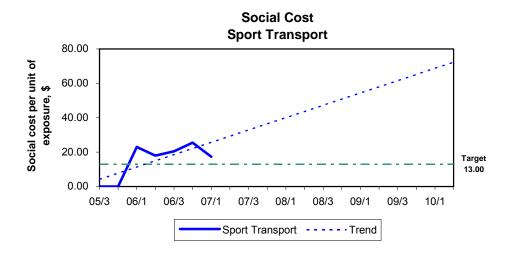


The outcome for Airline Operations – Small Aeroplanes shows a significant downward trend from the high starting point generated by 6 fatalities and 2 serious injuries in late 2004 and early 2005. The safety outcome for this group has been below the target level since 2006.

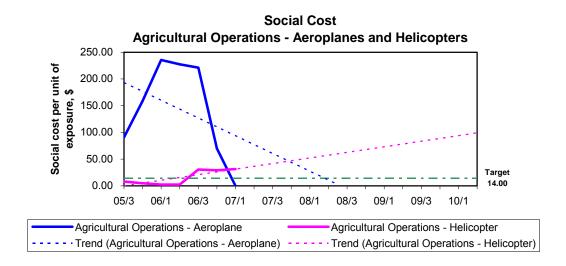
The outcome for Airline Operations – Helicopter remains level on zero as there have been no fatal or serious injuries in this group since 2003.

The outcome for Other Commercial Operations – Aeroplane has reduced to zero from previous high values.

The outcome for Other Commercial Operations – Helicopters shows a significant upward trend due to injuries and airframe losses in the last quarter of 2006 and the first quarter of 2007.

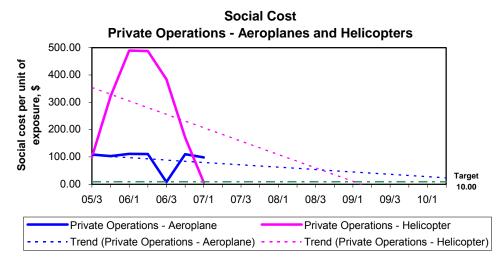


The outcome for Sport Transport is rapidly trending up due to the continuing number of serious injuries suffered by participants in this activity.



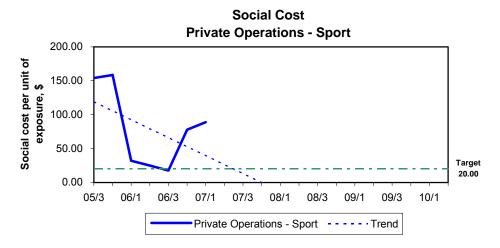
The outcome for Agricultural Operations – Aeroplanes has met the target level for the first time since the target regime was established in 2005.

The outcome for Agricultural Operations – Helicopter has exceeded the target due to a single fatality in 2006.



The outcome for Private Operations – Aeroplane remained around \$100.00 for the first four quarters of the new regime and settled down below the required \$10.00 target in the Jul to Sep 06 quarter following a year with no fatalities or serious injuries. However, a double fatality accident towards the end of the Oct to Dec 06 quarter drove the outcome back to the \$100.00 level again.

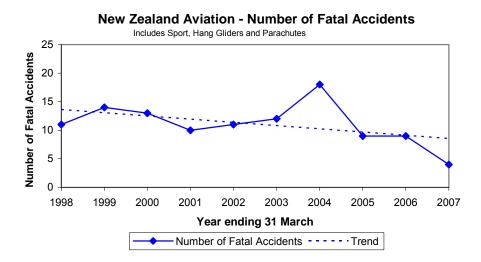
The outcome for Private Operations – Helicopter having rapidly trended up in the initial stages has now reduced to below the target level following a year with no fatalities or serious injuries.



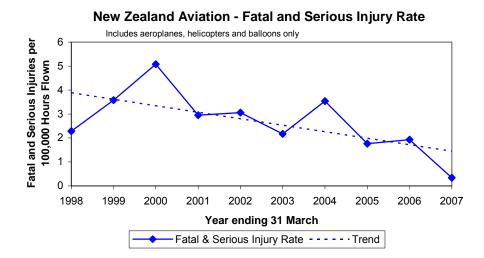
The outcome for Private Operations – Sport has increased sharply after initially decreasing. The group could still meet its target if there are no fatalities or serious injuries by April of 2008.

Injury Accidents

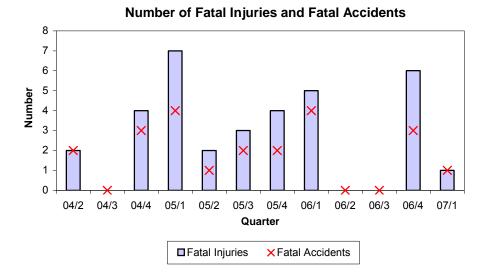
The following graph shows the number of fatal accidents in the 10-year period 1 April 1997 to 31 March 2007 (including the aircraft statistics categories Sport Aircraft, Hang Gliders and Parachutes).



The following graph shows the overall fatal and serious injury 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 April 1997 to 31 March 2007.



The following graph shows the number of fatal injuries and fatal accidents (including the aircraft statistics categories Sport Aircraft, Hang Gliders and Parachutes) for the three-year period 1 April 2004 to 31 March 2007.



Since April 2004 the long-term trend of the number of fatal injuries is constant (the slope of the trend line is zero) and the long-term trend of the number of fatal accidents is downward (however, the slope of the trend line is close to zero).

Six-Monthly Comparison

Number of Fatal Accidents (and Number of Fatal Injuries)

Aircraft Statistics Category	1 Jul to 200		1 Jul to 20		Cha	ange
Aeroplanes that must be operated under Part 121	0		0		0	
Aeroplanes that must be operated under at least Part 125	0		0		0	
Other Aeroplanes with Standard Airworthiness Certificate	1	(2)	1	(2)	0	(0)
Aeroplanes used for agricultural operations	1	(2)	0		- 1	(- 2)
Helicopters with Standard Category Airworthiness Certificate	2	(3)	0		- 2	(- 3)
Sport Aircraft	0		1	(2)	+ 1	(+ 2)
Hang Gliders	0		0		0	
Parachutes	0		0		0	
Unknown	0		1	(2)	+ 1	(+ 2)
Total	4	(7)	3	(6)	- 1	(- 1)

Number of Serious Injuries

Aircraft Statistics Category	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under Part 121	0	0	0
Aeroplanes that must be operated under at least Part 125	0	0	0
Other Aeroplanes with Standard Airworthiness Certificate	0	0	0
Aeroplanes used for agricultural operations	0	0	0
Helicopters with Standard Category Airworthiness Certificate	2	1	- 1
Sport Aircraft	3	0	- 3
Hang Gliders	1	5	+ 4
Parachutes	0	2	+ 2
Unknown	0	0	0
Total	6	8	+ 2

Number of Minor Injuries

Aircraft Statistics Category	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under Part 121	0	0	0
Aeroplanes that must be operated under at least Part 125	0	0	0
Other Aeroplanes with Standard Airworthiness Certificate	3	2	- 1
Aeroplanes used for agricultural operations	0	0	0
Helicopters with Standard Category Airworthiness Certificate	5	8	+ 3
Sport Aircraft	1	1	0
Hang Gliders	0	0	0
Parachutes	0	0	0
Unknown	0	0	0
Total	9	11	+ 2

Flight Phase

The following table shows the flight phase recorded for accidents.

Flight Phase	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Cruise	12	12	0
Landing	11	12	+ 1
Takeoff	3	4	+ 1
Climb	0	3	+ 3
Circuit	1	2	+ 1
Parked	2	1	- 1
Hover	1	1	0
Hover Taxi	1	1	0
Descent	0	1	+ 1
Taxiing	1	0	- 1
Unknown	1	0	- 1
Total	33	37	+ 4

Accidents in the period 1 July to 31 December 2006 were most common during the Cruise and Landing phases (32% each).

Analysis of recorded occurrence descriptors for Cruise phase accidents in the 1 July to 31 December 2006 period shows that the most common group of descriptors is Collision Terrain (35%).

Analysis of recorded causes for Cruise phase accidents shows that the most common cause is Local Violation Factor – Perceived License to Bend Rules (23%).

Analysis of recorded occurrence descriptors for Landing phase accidents in the 1 July to 31 December 2006 period shows that the most common groups of descriptors are Collision/Strike Object and Gear Collapsed/Retracted (24% each).

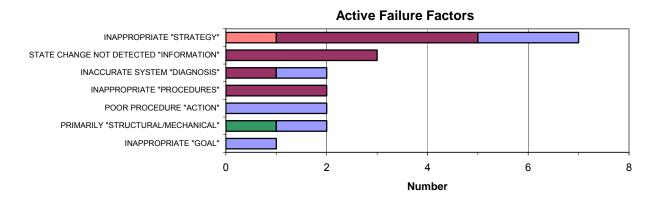
Analysis of recorded causes for Landing phase accidents shows that the causes are Active Failure Factor – Inappropriate "Procedures", Active Failure Factor – Inappropriate "Strategy",

Local Error Factor - Inexperience (Not Lack of Training), and

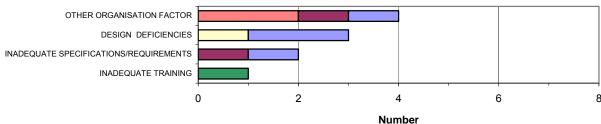
Local Violation Factor – Other Violation Enforcing Condition (25% each).

Accident Causal Factors by Aircraft Statistics Category

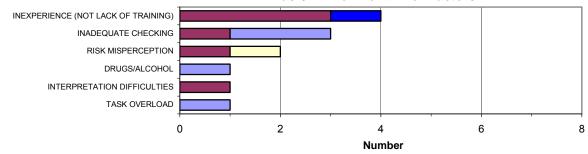
The following graphs show the number of causal factors recorded for accidents that occurred during the 6-month period 1 January to 30 June 2005 for the various aircraft statistics categories. Causal factors have been assigned to 27 (55%) of the 49 accidents.









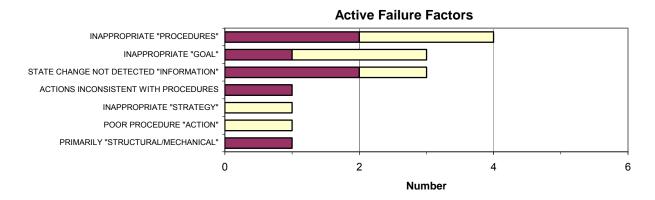


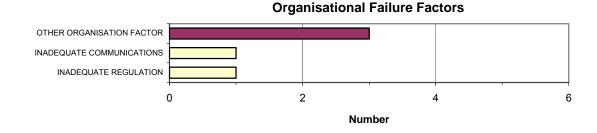
Task/Environment Violation Factors

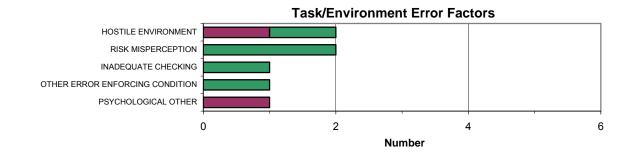


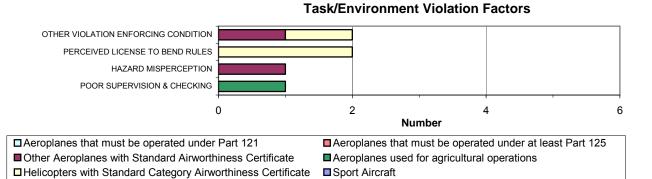
□ Aeroplanes that must be operated under Part 121
□ Other Aeroplanes with Standard Airworthiness Certificate
□ Helicopters with Standard Category Airworthiness Certificate
□ Hang Gliders and Parachutes
□ Aeroplanes that must be operated under at least Part 125
□ Aeroplanes used for agricultural operations
□ Sport Aircraft

The following graphs show the number of causal factors recorded for accidents that occurred during the 6-month period 1 July to 31 December 2005 for the various aircraft statistics categories. Causal factors have been assigned to 19 (56%) of the 34 accidents.



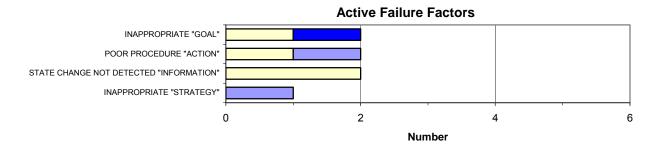


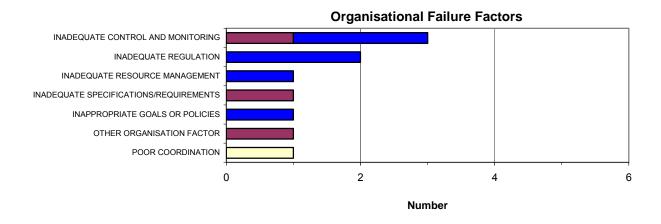


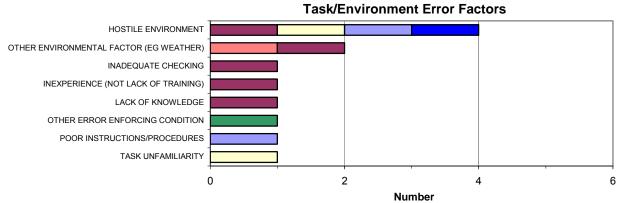


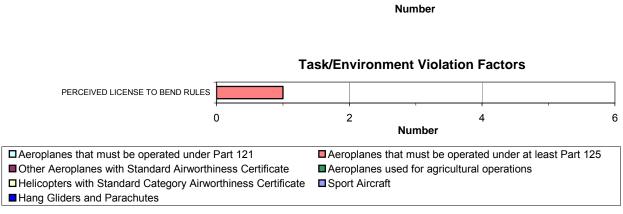
■ Hang Gliders and Parachutes

The following graphs show the number of causal factors recorded for accidents that occurred during the 6-month period 1 January to 30 June 2006 for the various aircraft statistics categories. Causal factors have been assigned to 19 (39%) of the 49 accidents.

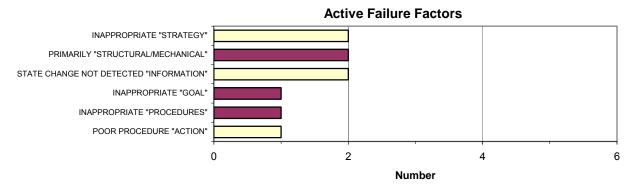




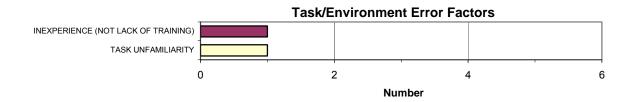


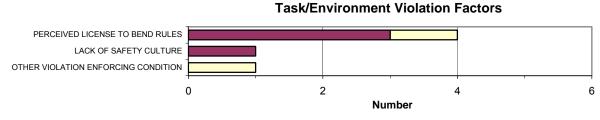


The following graphs show the number of causal factors recorded for accidents that occurred during the 6-month period 1 July to 31 December 2006 for the various aircraft statistics categories. Causal factors have been assigned to 11 (28%) of the 39 accidents.







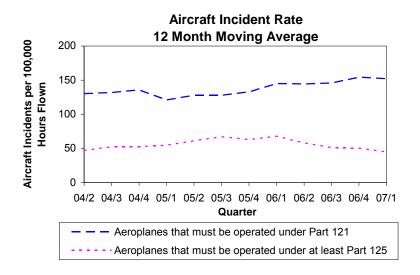


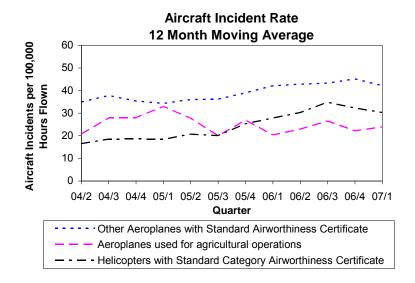


Aircraft Incidents

Occurrence Trend

The following graphs show the aircraft incident rates (incidents per 100,000 hours flown) twelve month moving average for the three-year period 1 April 2004 to 31 March 2007 (excluding the Sport Aircraft statistics category).





Aircraft Statistics Category	Straight Line Trend of 12 Month Moving Average
Aeroplanes that must be operated under Part 121	Trending up
Aeroplanes that must be operated under at least Part 125	Trending down
Other Aeroplanes with Standard Airworthiness Certificate	Trending up
Aeroplanes used for agricultural operations	Trending down
Helicopters with Standard Category Airworthiness Certificate	Trending up

The slopes of the trend lines for the 'Aeroplanes that must be operated under at least Part 125' and 'Aeroplanes used for agricultural operations' categories are close to zero.

Six-Monthly Comparison

Number of Aircraft Incidents

Aircraft Statistics Category	1 Jul to 31 Dec	1 Jul to 31 Dec	CI	hange
	2005	2006	Number	Percentage
Aeroplanes that must be operated under Part 121	223	259	+ 36	+ 16.1
Aeroplanes that must be operated under at least Part 125	22	13	- 9	- 40.9
Other Aeroplanes with Standard Airworthiness Certificate	51	57	+ 6	+ 11.8
Aeroplanes used for agricultural operations	5	5	0	0.0
Helicopters with Standard Category Airworthiness Certificate	25	28	+ 3	+ 12.0
Sport Aircraft	9	9	0	0.0
Unknown	29	46	+ 17	+ 58.6
Total	364	417	+ 53	+ 14.6

Severity

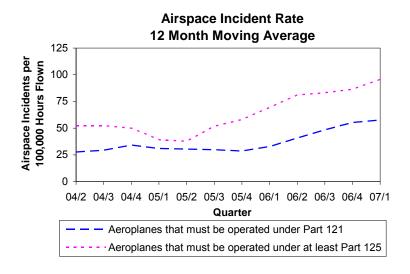
Six-Monthly Comparison

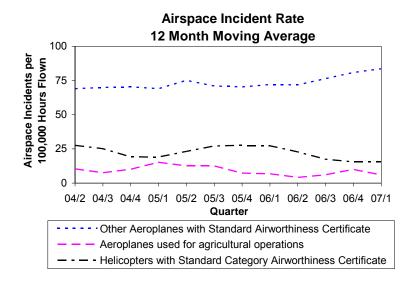
Aircraft Statistics Category	Severity	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under	Critical	0	0	0
Part 121	Major	15	10	- 5
	Minor	208	249	+ 41
Aeroplanes that must be operated under	Critical	0	0	0
at least Part 125	Major	2	2	0
	Minor	20	11	- 9
Other Aeroplanes with Standard	Critical	0	0	0
Airworthiness Certificate	Major	8	4	- 4
	Minor	43	53	+ 10
Aeroplanes used for agricultural	Critical	0	0	0
operations	Major	1	1	0
	Minor	4	4	0
Helicopters with Standard Category	Critical	0	1	+ 1
Airworthiness Certificate	Major	2	1	- 1
	Minor	23	26	+ 3
Sport Aircraft	Critical	0	0	0
	Major	2	1	- 1
	Minor	7	8	+ 1
Unknown	Critical	0	0	0
	Major	2	3	+ 1
	Minor	27	43	+ 16
Total	Critical	0	1	+ 1
	Major	32	22	- 10
	Minor	332	394	+ 62

Airspace Incidents

Occurrence Trend

The following graphs show the airspace incident rates (incidents per 100,000 hours flown) twelve month moving average for the three-year period 1 April 2004 to 31 March 2007 (excluding the Sport Aircraft statistics category).





Aircraft Statistics Category	Straight Line Trend of 12 Month Moving Average
Aeroplanes that must be operated under Part 121	Trending up
Aeroplanes that must be operated under at least Part 125	Trending up
Other Aeroplanes with Standard Airworthiness Certificate	Trending up
Aeroplanes used for agricultural operations	Trending down
Helicopters with Standard Category Airworthiness Certificate	Trending down

Six-Monthly Comparison

Number of Airspace Incidents

Aircraft Statistics Category	1 Jul to 31 Dec	1 Jul to 31 Dec	С	hange
	2005	2006	Number	Percentage
Aeroplanes that must be operated under Part 121	48	94	+ 46	+ 95.8
Aeroplanes that must be operated under at least Part 125	29	29	0	0.0
Other Aeroplanes with Standard Airworthiness Certificate	85	109	+ 24	+ 28.2
Aeroplanes used for agricultural operations	0	3	+ 3	
Helicopters with Standard Category Airworthiness Certificate	24	11	- 13	- 54.2
Sport Aircraft	8	10	+ 2	+ 25.0
Unknown	161	177	+ 16	+ 9.9
Total	355	433	+ 78	+ 22.0

Severity

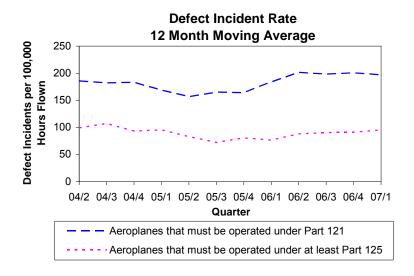
Six-Monthly Comparison

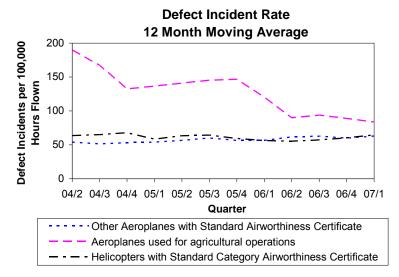
Aircraft Statistics Category	Severity	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under	Critical	0	0	0
Part 121	Major	5	5	0
	Minor	43	89	+ 46
Aeroplanes that must be operated under	Critical	0	0	0
at least Part 125	Major	2	1	- 1
	Minor	27	28	+ 1
Other Aeroplanes with Standard	Critical	0	0	0
Airworthiness Certificate	Major	3	0	- 3
	Minor	82	109	+ 27
Aeroplanes used for agricultural	Critical	0	0	0
operations	Major	0	0	0
	Minor	0	3	+ 3
Helicopters with Standard Category	Critical	0	1	+ 1
Airworthiness Certificate	Major	2	0	- 2
	Minor	22	10	- 12
Sport Aircraft	Critical	0	0	0
	Major	0	0	0
	Minor	8	10	+ 2
Unknown	Critical	0	3	+ 3
	Major	16	13	- 3
	Minor	145	161	+ 16
Total	Critical	0	4	+ 4
	Major	28	19	- 9
	Minor	327	410	+ 83

Defect Incidents

Occurrence Trend

The following graphs show the aircraft defect incident rates (incidents per 100,000 hours flown) twelve month moving average for the three-year period 1 April 2004 to 31 March 2007 (excluding the Sport Aircraft statistics category).





Aircraft Statistics Category	Straight Line Trend of 12 Month Moving Average
Aeroplanes that must be operated under Part 121	Trending up
Aeroplanes that must be operated under at least Part 125	Trending down
Other Aeroplanes with Standard Airworthiness Certificate	Trending up
Aeroplanes used for agricultural operations	Trending down
Helicopters with Standard Category Airworthiness Certificate	Trending down

Six-Monthly Comparison

Number of Defect Incidents

Aircraft Statistics Category	1 Jul to 31 Dec	1 Jul to 31 Dec	CI	hange
	2005	2006	Number	Percentage
Aeroplanes that must be operated under Part 121	278	283	+ 5	+ 1.8
Aeroplanes that must be operated under at least Part 125	38	36	- 2	- 5.3
Other Aeroplanes with Standard Airworthiness Certificate	70	65	- 5	- 7.1
Aeroplanes used for agricultural operations	19	20	+ 1	+ 5.3
Helicopters with Standard Category Airworthiness Certificate	50	58	+ 8	+ 16.0
Sport Aircraft	7	15	+ 8	+ 114.3
Unknown	8	14	+ 6	+ 75.0
Total	470	491	+ 21	+ 4.5

Severity

Six-Monthly Comparison

Aircraft Statistics Category	Severity	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under	Critical	0	0	0
Part 121	Major	15	15	0
	Minor	263	268	+ 5
Aeroplanes that must be operated under	Critical	0	0	0
at least Part 125	Major	3	6	+ 3
	Minor	35	30	- 5
Other Aeroplanes with Standard	Critical	0	0	0
Airworthiness Certificate	Major	7	5	- 2
	Minor	63	60	- 3
Aeroplanes used for agricultural	Critical	0	0	0
operations	Major	3	1	- 2
	Minor	16	19	+ 3
Helicopters with Standard Category	Critical	0	0	0
Airworthiness Certificate	Major	7	5	- 2
	Minor	43	53	+ 10
Sport Aircraft	Critical	0	0	0
	Major	0	0	0
	Minor	7	15	+ 8
Unknown	Critical	0	0	0
	Major	0	1	+ 1
	Minor	8	13	+ 5
Total	Critical	0	0	0
	Major	35	33	- 2
	Minor	435	458	+ 23

Bird Incident Rates

12-Month Moving Average Strike Rate per 10,000 Aircraft Movements

The following table shows the 12-month moving average strike rates for identified aerodromes for the three years ending December 2006.

Aerodrome	04/1	04/2	04/3	04/4	05/1	05/2	05/3	05/4	06/1	06/2	06/3	06/4
Auckland	2.1	2.3	2.9	3.3	3.8	3.5	3.2	3.0	2.7	2.7	2.5	2.5
Christchurch	2.4	2.6	2.6	3.0	2.8	2.7	3.4	3.7	4.0	4.5	3.5	3.5
Dunedin	4.5	5.5	5.6	4.6	6.7	7.3	5.9	7.5	5.2	4.7	4.5	3.4
Gisborne	8.4	7.1	5.8	6.5	5.3	6.6	11.6	10.1	10.1	11.5	8.8	10.0
Hamilton	3.3	2.8	2.6	2.7	2.5	2.8	2.5	3.0	3.8	4.5	5.1	4.5
Invercargill	4.1	3.7	3.4	4.1	5.3	5.9	7.5	9.3	10.4	11.4	11.7	7.6
Napier	4.5	4.0	5.6	6.8	7.8	9.1	7.3	7.2	6.7	7.5	7.2	7.7
Nelson	1.9	2.6	2.9	2.9	2.7	1.4	0.9	8.0	1.1	1.9	2.5	3.5
New Plymouth	9.0	8.5	9.0	7.8	9.0	8.5	7.9	7.6	6.0	5.8	6.7	5.9
Ohakea	2.1	3.5	4.8	5.1	4.9	5.3	4.4	4.3	3.2	2.3	2.4	1.8
Palmerston North	4.0	3.3	3.9	3.0	4.0	3.2	3.3	3.8	3.4	3.9	4.6	4.7
Queenstown	2.7	1.7	2.5	3.0	3.7	4.1	3.5	3.6	3.5	2.8	3.0	2.7
Rotorua	6.4	5.7	7.0	7.4	7.8	9.3	9.0	9.4	10.3	9.8	8.7	8.0
Taupo	1.4	1.7	1.5	8.0	1.0	0.8	1.0	1.5	1.8	1.8	1.6	1.4
Tauranga	3.9	3.2	2.4	2.3	1.4	1.9	2.2	2.9	3.2	3.3	3.3	2.8
Wellington	1.8	1.9	1.6	2.2	2.1	2.6	2.4	2.1	2.2	1.6	1.6	1.7
Whenuapai	10.8	10.3	12.1	14.1	9.5	4.7	4.1	3.4	4.8	6.0	5.0	4.7
Woodbourne	2.8	2.4	2.8	4.2	6.3	6.9	7.6	6.5	4.9	5.2	5.3	5.4

Bird occurrence rates are measured monthly, quarterly or annually by aerodrome. This is achieved by querying the database for the number of strikes at aerodromes over a period of time summarising by month, quarter or year. The results of this query are then divided by the aircraft movements at each aerodrome and multiplied by 10,000 to achieve strikes per 10,000 aircraft movements. Aircraft movements at aerodromes are obtained from the ACNZ, and where available, from individual airport companies.

CAA Actions

The CAA uses the following criteria for assessing actions to be taken with regard to identified trends in bird strike rates.

Bird strikes per 10,000 aircraft movements	Risk Category	Trending Down	Constant	Trending Up
≥ 0.0 and < 5.0	Low	Monitor	Monitor	Advise Aerodrome Operator
≥ 5.0 and < 10.0	Medium	Monitor	Advise Aerodrome Operator	Advise Aerodrome Operator, Request Rectification Action
≥ 10.0	High	Advise Aerodrome Operator	Advise Aerodrome Operator, Request Rectification Action	Advise Aerodrome Operator, Request Rectification Action

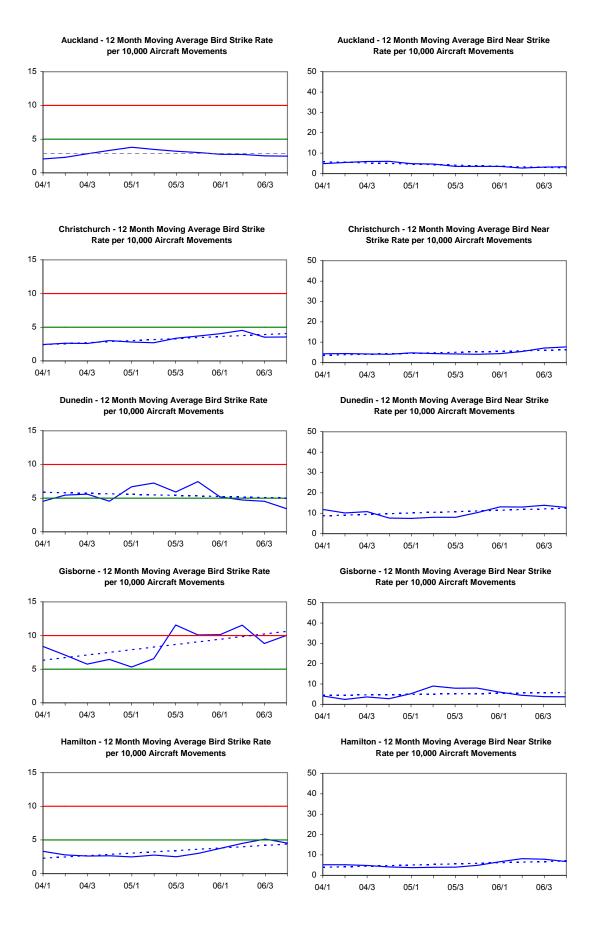
Analysis

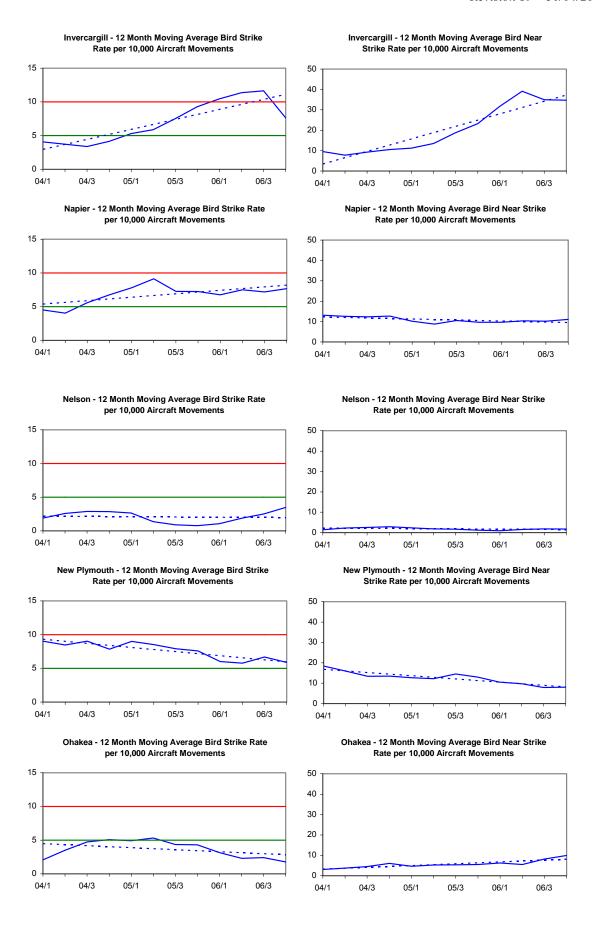
Analysis shows that 8 of the 18 monitored aerodromes have bird strike rates above the "trigger level" for CAA Action. Details were forwarded to Manager Aeronautical Services on 15 June 2007.

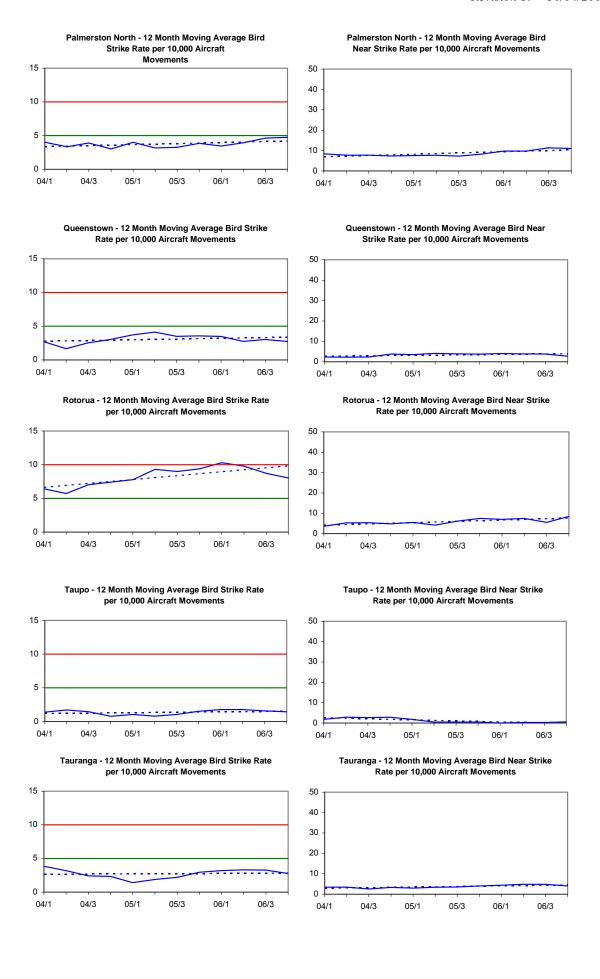
One aerodrome exhibited a strike rate in the high risk category of the CAA standard (above 10.0 bird strikes per 10,000 aircraft movements). Five aerodromes exhibited a strike rate in the medium risk category (5.0 to 10.0 per 10,000 movements) and four of these aerodromes displayed a long-term upward or constant trend. Twelve aerodromes exhibited a strike rate in the low risk category (below 5.0 per 10,000 movements) and three of these aerodromes displayed a long-term upward trend.

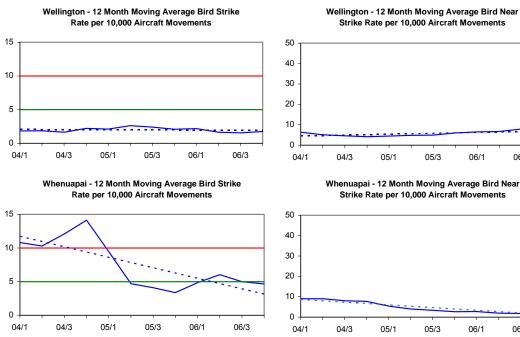
The top line on the strike rate graph shows the High risk category. The next line shows the Medium risk category.

Aerodrome	Risk Category	Trend	CAA Action
Auckland	Low	Constant	Monitor
Christchurch	Low	Trending up	Advise Aerodrome Operator
Dunedin	Low	Trending down	Monitor
Gisborne	High	Trending up	Advise Aerodrome Operator, Request Rectification Action
Hamilton	Low	Trending up	Advise Aerodrome Operator
Invercargill	Medium	Trending up	Advise Aerodrome Operator, Request Rectification Action
Napier	Medium	Trending up	Advise Aerodrome Operator, Request Rectification Action
Nelson	Low	Constant	Monitor
New Plymouth	Medium	Trending down	Monitor
Ohakea	Low	Trending down	Monitor
Palmerston North	Low	Trending up	Advise Aerodrome Operator
Queenstown	Low	Constant	Monitor
Rotorua	Medium	Trending up	Advise Aerodrome Operator, Request Rectification Action
Taupo	Low	Constant	Monitor
Tauranga	Low	Constant	Monitor
Wellington	Low	Constant	Monitor
Whenuapai	Low	Trending down	Monitor
Woodbourne	Medium	Trending up	Advise Aerodrome Operator, Request Rectification Action









Woodbourne - 12 Month Moving Average Bird Strike Rate per 10,000 Aircraft Movements

05/3

06/1

06/3

15

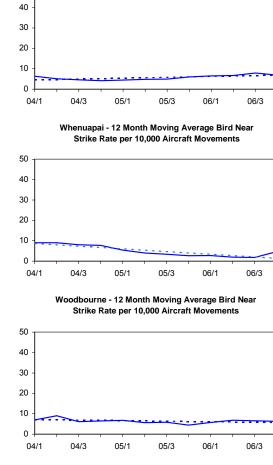
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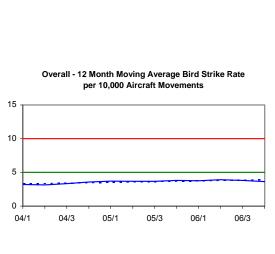
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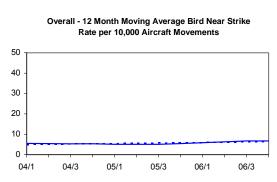
04/1

04/3

05/1







Security Incidents

Six-Monthly Comparison

Number of Security Incidents

Aircraft Statistics Category	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Aeroplanes that must be operated under Part 121	28	33	+ 5
Aeroplanes that must be operated under at least Part 125	1	1	0
Other Aeroplanes with Standard Airworthiness Certificate	0	0	0
Aeroplanes used for agricultural operations	0	0	0
Helicopters with Standard Category Airworthiness Certificate	0	0	0
Sport Aircraft	0	0	0
Unknown	54	55	+ 1
Total	83	89	+ 6

Severity

Severity	1 Jul to 31 Dec 2005	1 Jul to 31 Dec 2006	Change
Critical	1	0	- 1
Major	2	3	+ 1
Minor	80	86	+ 6

Occurrences — General

The following table shows the number of occurrences (excluding Non Reportable Occurrences) that were registered on the CAA database during each of the six months of the 1 July to 31 December 2006 period.

Month	ACC	ADI	ARC	ASP	BRD	DEF	DGD	HGA	INC	NIO	PAA	PIO	SEC	TOTAL
06/7	3	11	34	67	70	91	3	0	80	2	0	3	10	374
06/8	4	2	58	70	103	97	0	2	71	2	1	2	13	425
06/9	3	5	21	48	107	80	3	2	62	3	0	0	11	345
06/10	3	7	16	62	93	66	3	1	59	5	0	0	10	325
06/11	8	5	38	88	85	98	4	1	94	0	0	0	23	444
06/12	7	10	29	93	64	66	2	1	48	2	1	1	12	336
Total	28	40	196	428	522	498	15	7	414	14	2	6	79	2,249

ACC	Accident	HGA	Hang Glider Accident
ADI	Aerodrome Incident	INC	Aircraft Incident
ARC	Aviation Related Concern	NIO	Facility Malfunction Incident
ASP	Airspace Incident	PAA	Parachute Accident
BRD	Bird Incident	PIO	Promulgated Information Incident
DEF	Defect Incident	SEC	Security Incident
DGD	Dangerous Goods Incident		

Definitions

General

Accident (ACC)

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.

Aerodrome incident (ADI)

Means an incident involving an aircraft operation and—

- (1) an obstruction either on the aerodrome operational area or protruding into the aerodrome obstacle limitation surfaces; or
- (2) a defective visual aid; or
- (3) a defective surface of a manoeuvring area; or
- (4) any other defective aerodrome facility.

Aircraft incident (INC)

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

Airspace incident (ASP)

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 (BRD)

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.

Dangerous goods incident (DGD)

Means an incident associated with and related to the carriage of dangerous goods by air after acceptance by the operator, that—

- (1) results in injury to a person, property damage, fire, breakage, spillage, leakage of fluid or radiation, or other evidence that the integrity of the packaging has not been maintained; or
- (2) involves dangerous goods incorrectly declared, packaged, labelled, marked, or documented.

Defect incident (DEF)

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

Facility malfunction incident (NIO)

Means an incident that involves an aeronautical facility.

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.

Note: Incident has many sub-categories.

Occurrence

Means an accident or incident.

Promulgated information incident (PIO)

Means an incident that involves significantly incorrect, inadequate, or misleading information promulgated in any aeronautical information publication, map, or chart.

Security incident (SEC)

Means an incident that involves unlawful interference.

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 occurrences and to findings as the result of investigation of occurrences.

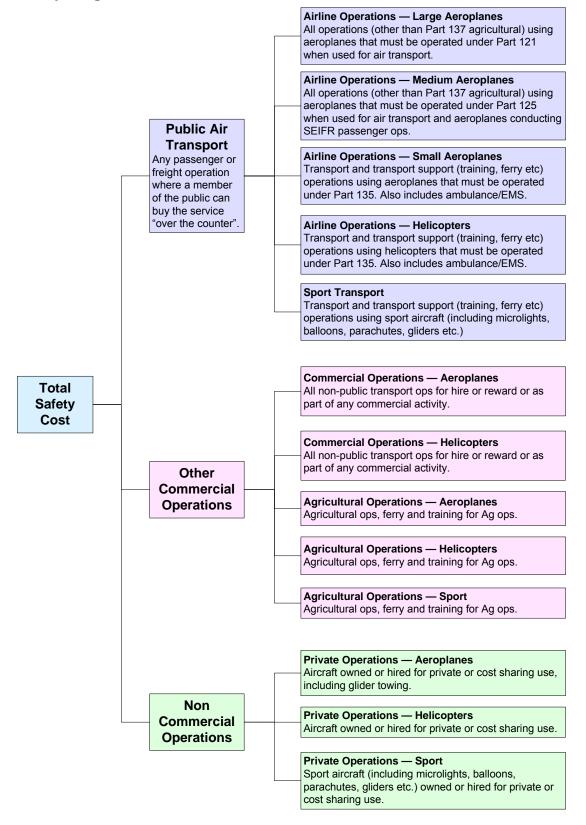
Severity Factor		Definition
CR	Critical	An occurrence or deficiency that caused, or on its own had the potential to cause, loss of life or limb;
MA	Major	An occurrence or deficiency involving a major system that caused, or had the potential to cause, significant problems to the function or effectiveness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

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
Aeroplanes that must be operated under Part 121	Aeroplanes that must be operated under Part 121 when used for air transport	Aeroplane
Aeroplanes that must be operated under at least Part 125	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
Other Aeroplanes with Standard Airworthiness Certificate	Other Aeroplanes with Standard Category Certificates of Airworthiness	Aeroplane
Aeroplanes used for agricultural operations	Aeroplanes with Restricted Category Certificates of Airworthiness limited to agricultural operations	Aeroplane
Helicopters with Standard Category Airworthiness Certificate	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

Safety Target Structure



Safety Target Groups

Target group name	General description	Includes	Excludes
Airline Operation - Large Aeroplanes	All operations using large passenger and freight aeroplanes that are operated under part 121	Ferry, test, training, passenger and freight, domestic and international, Part 91 operations, and commercial operations other than Part 137 agricultural operations. Includes all aeroplanes that have a passenger seating configuration of 30 seats or more, or a payload capacity of more than 3410kg.	Part 137 agricultural operations
Airline Operation - Medium aeroplanes	All operations using medium passenger and freight aeroplanes that are operated under part 125.	Ferry, test, training, passenger and freight, domestic and international, Part 91 operations, and commercial operations other than Part 137 agricultural operations. Aeroplanes that have a seating configuration of 10 to 30 seats, excluding any required crew member seats, or a payload capacity of 3410 kg or less and a MCTOW of greater than 5700 kg, and any aeroplanes conducting SEIFR passenger operations.	Part 137 agricultural operations
Airline Operation - Small aeroplanes	All operations by 119 certificate holders using other aeroplanes.	Ferry, test, passenger and freight, domestic and international, training in support of Part 135 operations, Ambulance/EMS	Part 137 agricultural operations, Part 91 operations, and commercial operations. SEIFR under Part 125
Airline Operation - Helicopters	All operations by 119 certificate holders using helicopters	Ferry, test, passenger and freight, domestic and international, training in support of Part 135 operations, Ambulance/EMS	Part 137 agricultural operations, Part 91 operations, and commercial operations. SEIFR under Part 125
Commercial Operations - Aeroplane	Other commercial operations Aeroplane (all non-public transport ops for hire or reward or as part of any commercial activity)	Positioning, ferrying flights, training (dual and solo), "Commercial noncertified", Business and Executive	Public transport ops, Ag ops & training for Ag ops, non-commercial ops
Commercial Operations - Helicopter	Other commercial operations Helicopter (all non-public transport ops for hire or reward or as part of any commercial activity)	Positioning, ferrying flights, training (dual and solo), "Commercial noncertified", Business and Executive	Ag ops & trg for ag ops, public transport, non-commercial ops.
Agricultural Operations - Aeroplane	Agricultural operations using aeroplanes	Agricultural ops, ferry & training for Ag ops.	Everything else.
Agricultural Operations - Helicopters	Agricultural operations using helicopters	Agricultural ops, ferry & training for Ag ops.	Everything else
Agricultural Operations - Sport Aircraft	Agricultural operations using sport aircraft	Agricultural ops, ferry & training for Ag ops.	Everything else
Private Aeroplane	Private operations in aeroplanes	Cost sharing, aircraft hired from schools and clubs for private or cost sharing use, glider towing	Airline, commercial, agricultural operations, sport aircraft, balloons, training (dual and solo)
Private Helicopter	Private operations in helicopters	Cost sharing, aircraft hired from schools and clubs for private or cost sharing use	Airline, commercial, agricultural operations, sport aircraft, balloons, training, ferry/positioning flights by commercial operators
Sport Transport	All public transport ops by sport aircraft	Ferry, test, passenger and freight, domestic and international, training for such ops. And balloons	Agricultural operations.
Sport Private	Private operations using sport aircraft	Cost sharing, aircraft hired from schools and clubs for private or cost sharing use, training, gliders, power gliders, hang gliders, parachutes and all forms of inflatable wing. Balloons	Airline, commercial, agricultural operations, and training for these activities