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SIGNIFICANT FEATURES OF THE DATA

Overview

During the year ended 31 December 2004 general aviation (GA) and regional airline activity recorded a small increase in hours flown by Australian VH- registered aircraft of 0.8 per cent compared to the year ended 31 December 2003. Hours flown totalled 1 896 300, with 2 820 200 landings.

GA flying continued to show a decrease in activity in 2004, with a drop in flying hours of 0.1 per cent.

Aerial agriculture flying recorded the largest increase in activity, with a rise of 24.0 per cent over 2003 following the easing of drought conditions in many areas of the country. Charter activity also saw a significant increase of 12.2 per cent in flying hours.

Private flying hours increased by 3.1 per cent in 2004, while the small test and ferry category rose by 5.1 per cent. All other categories of flying showed a decrease in activity, the most substantial being flying training with a fall of 16.2 per cent over 2003 levels. Aerial work and business flying also fell by 3.1 per cent and 0.2 per cent respectively.

Regional airline flying recorded an increase in flying hours of 7.1 per cent over the 2003 calendar year.

Figure 1 shows the movement in hours flown and landings between 1994 and 2004.

FIGURE 1. GENERAL AVIATION AND REGIONAL AIRLINE ACTIVITY 1994 to 2004

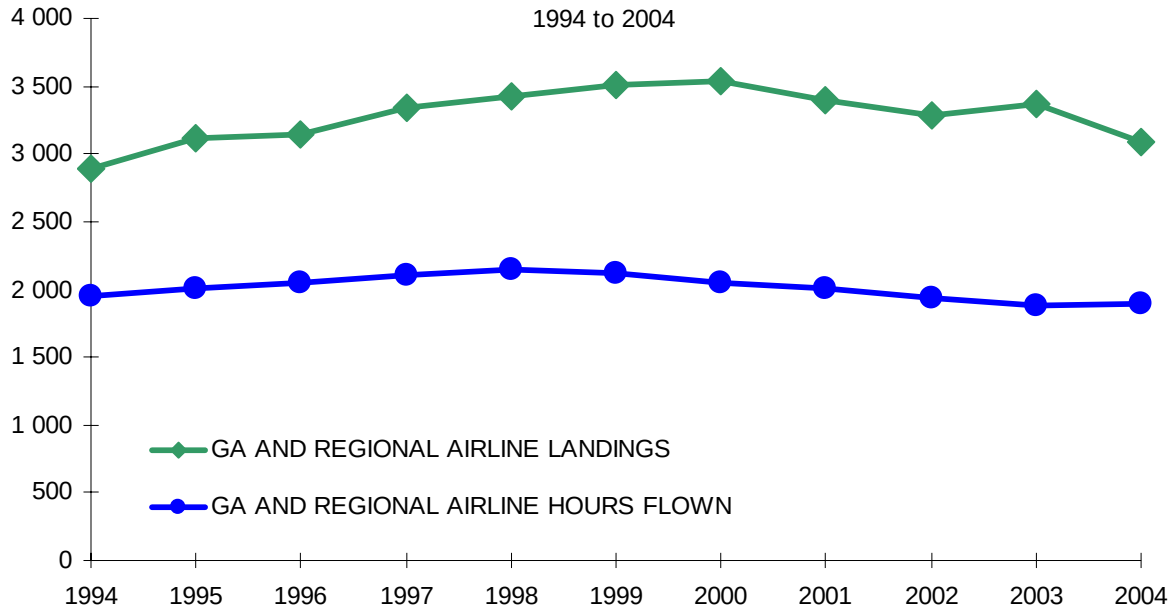
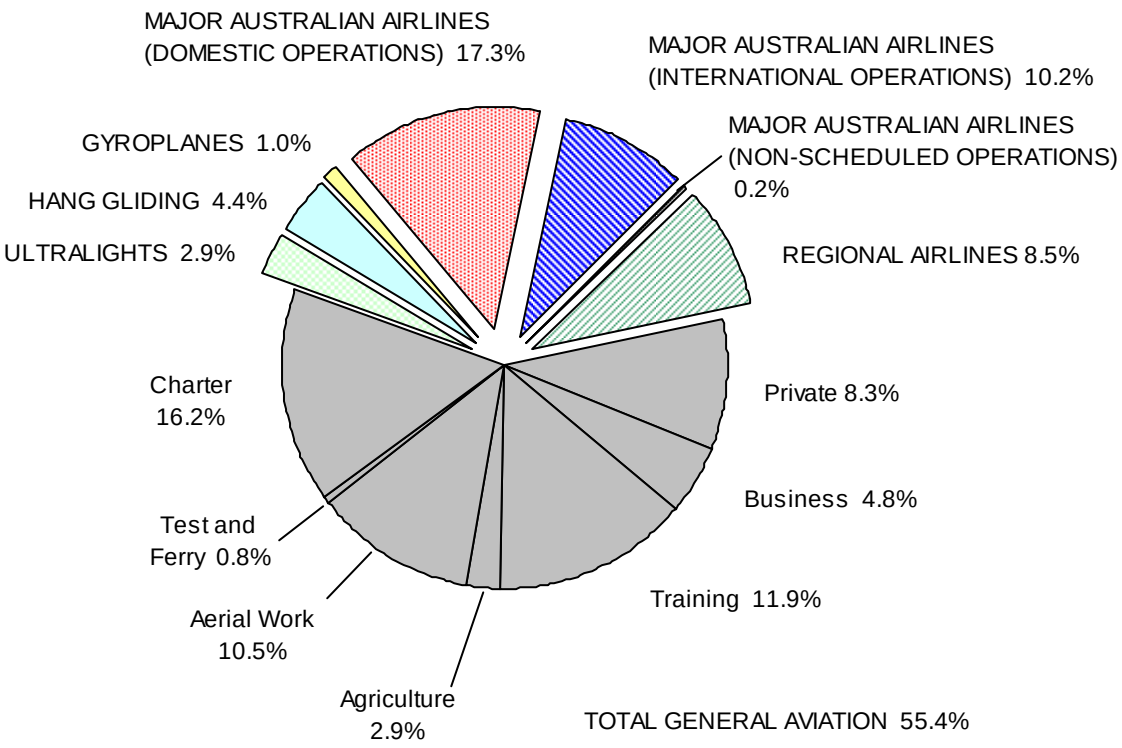


Figure 2 shows the relative sizes of the major industry sectors, based on hours flown.

FIGURE 2. PERCENTAGE OF INDUSTRY, BY SECTOR, 2004



Aircraft based in Australia

The data presented in this publication for the year ended 31 December 2004 covers 10 904 aircraft in the general aviation and regional airline sectors, representing an increase of 2.2 per cent over the number registered at 31 December 2003. Aircraft operated by the major airlines are excluded from these totals.

Numbers of fixed-wing single-engined aircraft (excluding amateur-built aircraft) increased by 1.0 per cent, remaining the largest group with 6 794 aircraft or 62 per cent of the Australian total. Fixed-wing multi-engined aircraft (1 718 units), representing nearly 16 per cent of the general aviation/regional airline total, increased by 1.3 per cent over the previous year.

Fixed-wing single-engined amateur-built aircraft numbers increased by 7.5 per cent in 2004 to 848 units, or 7.8 per cent of the Australian total.

The number of helicopters increased by 6.5 per cent, with multi-engined helicopters increasing by six units or 6.9 per cent. The number of single-engined helicopters rose by 6.5 per cent to 1 101 units; this figure includes 61 helicopters in the amateur-built category.

Hot-air balloons and airships contributed 3.2 per cent of the total with 350 aircraft, recording a rise in numbers of 3.6 per cent.

These statistics exclude a total of 6 671 gliders, ultralight aircraft and hang gliders.

A total of 396 400 hours, or 20.9 per cent of all flying, was performed in aircraft between 21 and 25 years old, rising to 825 600 hours (43.5 per cent) for the ten-year span of 21 to 30 years old. 81.1 per cent of public transport flying (charter and regional airline) was done in aircraft more than ten years old, and 56.8 per cent in aircraft more than 20 years old.

Average flying hours per aircraft fell by 1.3 per cent, from 176.2 hours in 2003 to 173.9 hours in 2004. For active aircraft only, average hours flown were 212.1, down 1.4 per cent on the 2003 average.

37 per cent of all active aircraft flew 50 hours or less during the 2004 year, while more than 54 per cent flew 100 hours or less. This compares with 29 per cent and 46 per cent respectively ten years before, in 1994.

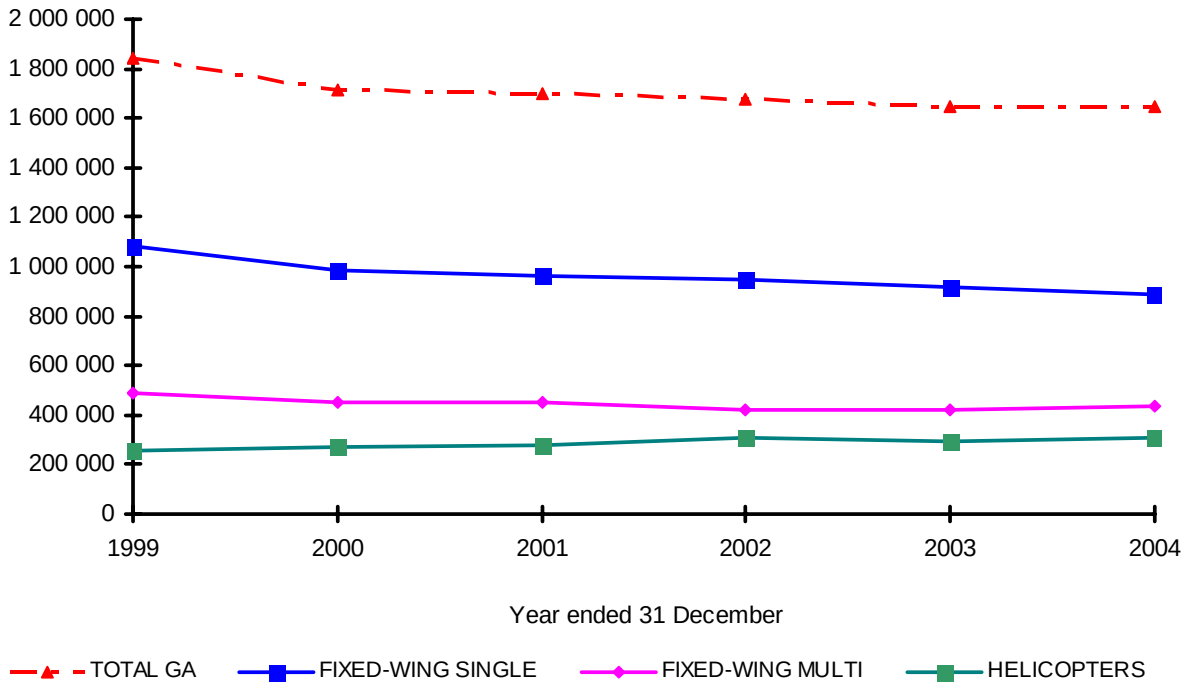
A total of 1 963 aircraft, or 18.0 per cent of the number surveyed, were reported or estimated as performing no flying during the year ended 31 December 2004, compared with 1 931 aircraft (18.1 per cent) during 2003.

The survey covering the year ended 31 December 2004 elicited a total of 864 responses indicating reasons for nil flying activity. The following table shows the summary of these responses:

Reason for nil activity	Number of aircraft	Percentage of total
Repair/maintenance/restoration	414	47.9
Amateur-built aircraft not yet completed	74	8.6
Aircraft in storage	65	7.5
Aircraft unairworthy	47	5.4
Aircraft destroyed or broken up	32	3.7
Health issues	32	3.7
Withdrawn from service	26	3.0
Financial reasons	22	2.5
Aircraft in museum	18	2.1
All other	134	15.5
Total	864	100.0

Figure 3 shows the flying hours performed in general aviation operations by the major categories of aircraft.

FIGURE 3. GENERAL AVIATION HOURS FLOWN, BY CATEGORY OF AIRCRAFT



Note: Hours flown in hot-air balloon and airship operations are too low to be represented on this graph

Landings

The total number of landings reported during the year ended 31 December 2004 decreased by 5.4 per cent over the previous year. Most States saw decreases in landings, South Australia and Victoria recording the largest drops with falls of 11.1 and 10.7 per cent respectively. The only States to record an increase in landings were Tasmania with a rise of 16.4 per cent and Western Australia, up 6.6 per cent.

General Aviation (GA) Activity

General Aviation activity (excluding scheduled regional airline operations) decreased by 0.1 per cent in 2004 compared to 2003.

Aerial agriculture flying recorded the highest increase in activity with a rise of 24.0 per cent over the 2003 year, as drought conditions eased in many parts of the country. Charter flying also saw a significant increase of 12.2 per cent.

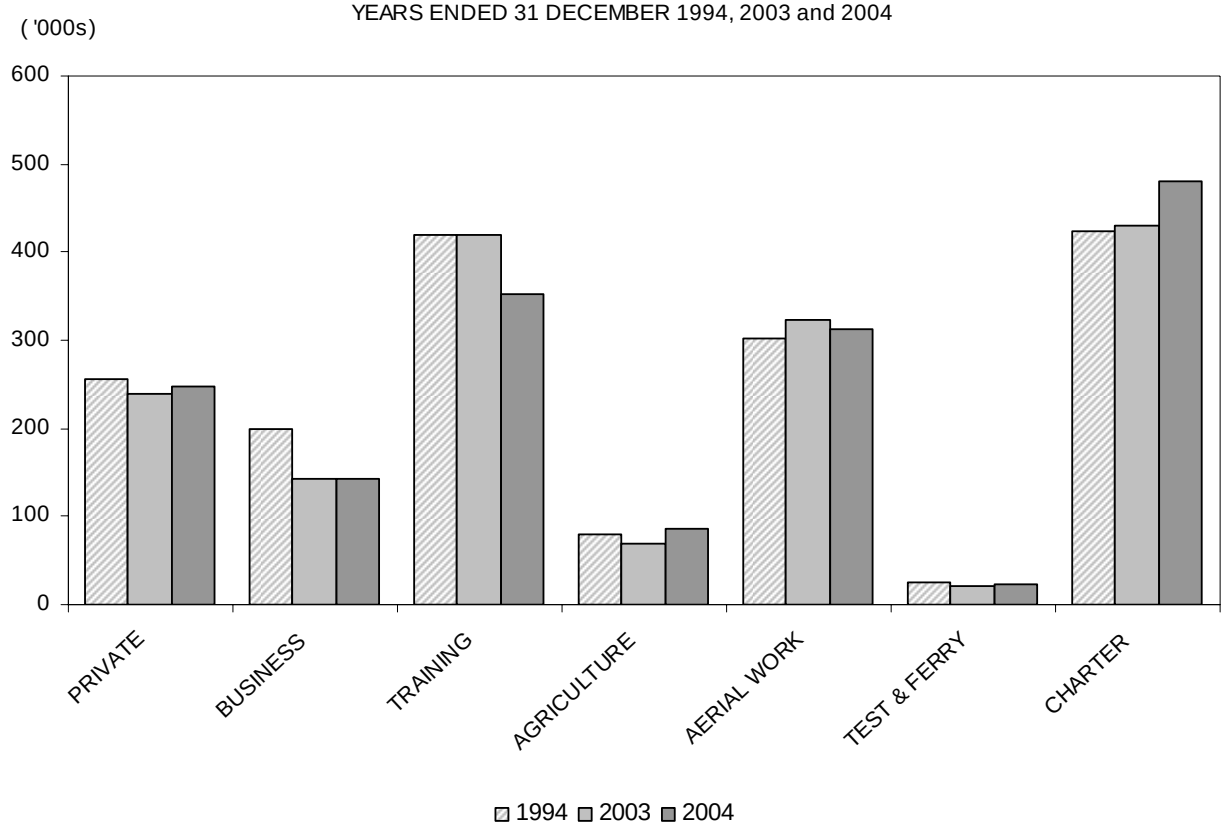
Flying training and charter continued to make up the two largest activity categories in the GA sector, representing 21.4 per cent and 29.3 per cent respectively of all GA flying hours during the year ended 31 December 2004. Flying training hours recorded the largest decrease of all categories, with a fall of 16.2 per cent in 2004 compared to 2003.

Private flying recorded an increase in flying hours of 3.1 per cent over the 2003 year, while business flying saw a small decrease of 0.2 per cent. Private and business flying together represented 23.7 per cent of GA activity.

Aerial work flying recorded a fall in activity with a decrease of 3.1 per cent over the 2003 year. The fall was largely driven by the survey and photography category, showing a decrease of 36.4 per cent. The smaller towing and pipe and powerline patrol categories also showed substantial decreases of 30.7 and 17.7 per cent respectively.

Figure 4 shows the relative sizes of each general aviation sector, and compares 2004 statistics with equivalent 2003 and 1994 data.

FIGURE 4. GENERAL AVIATION HOURS FLOWN BY ACTIVITY
YEARS ENDED 31 DECEMBER 1994, 2003 and 2004



Regional Airline Activity

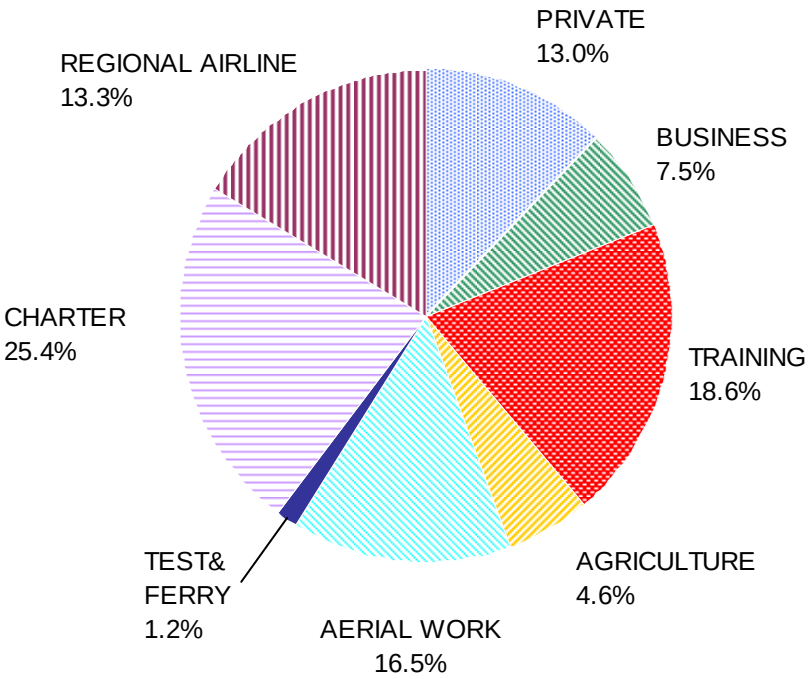
Regional airline flying activity recorded an increase of 7.1 per cent in 2004, compared with 2003 results.

For many years the scheduled airline sector had seen a continuing process of delegation of secondary routes from the major airlines to the regional airlines, resulting in regional airline growth rates generally higher than those of the major airlines. Following the financial collapse of Ansett Australia in September 2001 and the negative effect on its subsidiary regional airlines, as well as more aggressive competition in the major airline sector, the trend saw a reversal for the next three years with a number of regional airline routes taken up by the major airlines. This had a further impact on regional airline activity levels which showed negative growth in the years 2001 through to 2003.

The 2004 year saw the first rise in activity levels since the peak year of 2000, with hours flown and number of passengers carried on regional airline services growing by 7.1 and 14.5 per cent respectively compared to 2003. Both measures remain well below 2000 levels.

FIGURE 5. HOURS FLOWN IN GA AND REGIONAL AIRLINES BY ACTIVITY

YEAR ENDED 31 DECEMBER 2004



Ultralight Flying

In 2004, ultralight aircraft flew a total of 87 100 hours, representing an increase of 3.1 per cent over the 2003 year.

The highest level of ultralight flying was undertaken in Queensland, with 28 700 hours or 32.9 per cent of the Australian total. New South Wales and Victoria together accounted for a further 45.9 per cent of flying activity.

At the end of December 2004, a total of 1 981 aircraft had current registrations issued by the Australian Ultralight Federation, a rise of 17.4 per cent over December 2003.

Gliding

Hours flown in gliding operations fell by 14.0 per cent between 1990/91 and 1998/99 (statistics for 1999/00 and beyond are not available), with an average annual growth rate of minus 1.9 per cent. Although activity remained relatively static through the 1980s and early 1990s, the last few recorded years had seen a continuing drop in flying hours, with 1998/99 showing a further decrease of 2.3 per cent over 1997/98 (based on years ended 30 April).

Number of aircraft registered increased from 1 095 at December 2003 to 1 106 at December 2004, representing a growth rate of 1.0 per cent.

Hang Gliding

Hang gliders flew 132 000 hours in the 2003/04 year, to record a rise of 5.9 per cent over 2002/03.

More than 53 800 hours, or 40.8 per cent of the Australia total, were flown in New South Wales for an increase of 0.1 per cent over 2002/03. Victoria saw the largest increase, with a rise in flying activity of 13.7 per cent. Queensland and Tasmania also recorded significant increases of 12.2 and 9.6 per cent respectively. Activity in most other States saw lesser increases, with a 5.4 per cent rise in the South Australia/Northern Territory region and Western Australia up 4.5 per cent. The only State to record a decrease in activity was the Australian Capital Territory, with a fall of 3.7 per cent in flying hours.

At the end of June 2004, an estimated 3 584 aircraft were involved in hang gliding operations.

Gyroplanes

During the 2003/04 financial year, provisional statistics indicate that gyroplanes flew 29 300 hours Australia-wide. This estimate, based on a survey response rate of approximately 28 per cent, represents an increase of 3.3 per cent over the 2002/03 estimates.

Private flying represented approximately 90 per cent of the total, with flying training making up the remainder of reported activity. Compared with 2002/03, the amount of private flying rose by 5.7 per cent, while training hours decreased by more than 14 per cent. At June 2000 (more recent statistics are not available), 487 aircraft (excluding 41 additional aircraft still under construction) were registered with the Australian Sport Rotorcraft Association, an increase of 12.7 per cent over the previous year.

SECTION A. INDUSTRY OVERVIEW

Table 1. Total hours flown by industry sector, 1994 to 2004 ('000 hours)

	Industry Sector							
Year	General Aviation	Major Australian Airlines non-RPT [a]	Total airline RPT [b]	Ultralight Flying	Gliding [c]	Hang Gliding [d]	Gyroplanes [d]	TOTAL
1994	1 705.7	4.9	838.7	73.0	80.1	77.6	15.0	2 794.9
1995	1 761.3	5.5	899.6	72.0	75.9	86.4	14.4	2 915.0
1996	1 799.0	4.7	938.5	70.4	69.2	103.2	23.3	3 008.4
1997	1 839.3	3.6	969.8	75.1	68.9	102.3	23.3	3 082.3
1998	1 877.9	3.6	958.2	67.6	65.4	87.5	33.4	3 093.7
1999	1 842.2	3.8	963.5	73.9	63.9	104.6	30.4	3 082.3
2000	1 714.8	4.3	1 074.2	74.1	..	106.7	29.7	3 003.8
2001	1 702.9	6.6	1 044.3	76.5	..	120.0	37.0	2 987.1
2002	1 687.7	7.5	926.0	80.6	..	122.2	32.3	2 856.3
2003	1 645.9	8.0	952.3	84.5	..	124.7	28.3	2 843.8
2004	1 645.0	7.4	1 066.4	87.1	..	132.0	29.3	2 967.1

(a) Non-RPT flying by the major Australian airlines.

(b) Hours flown by Australian (including regional) airlines on domestic and international flight stages, in Regular Public Transport (RPT) operations. See Table 34 for detail.

(c) Covers years ended 30 April.

(d) Covers years ended 30 June.

Table 2. Percentage distribution of hours flown by industry sector, 1994 to 2004

	Industry Sector							
Year	General Aviation	Major Australian Airlines non-RPT [a]	Total airline RPT [b]	Ultralight Flying	Gliding [c]	Hang Gliding [d]	Gyroplanes [d]	TOTAL
1994	61.0	0.2	30.0	2.6	2.9	2.8	0.5	100.0
1995	60.4	0.2	30.9	2.5	2.6	3.0	0.5	100.0
1996	59.8	0.2	31.2	2.3	2.3	3.4	0.8	100.0
1997	59.7	0.1	31.5	2.4	2.2	3.3	0.8	100.0
1998	60.7	0.1	31.0	2.2	2.1	2.8	1.1	100.0
1999	59.8	0.1	31.3	2.4	2.1	3.4	1.0	100.0
2000	57.1	0.1	35.8	2.5	..	3.6	1.0	100.0
2001	57.0	0.2	35.0	2.6	..	4.0	1.2	100.0
2002	59.1	0.3	32.4	2.8	..	4.3	1.1	100.0
2003	57.9	0.3	33.5	3.0	..	4.4	1.0	100.0
2004	55.4	0.2	35.9	2.9	..	4.4	1.0	100.0

(a) Non-RPT flying by the major Australian airlines.

(b) Hours flown by Australian (including regional) airlines on domestic and international flight stages, in Regular Public Transport (RPT) operations. See Table 34 for detail.

(c) Covers years ended 30 April.

(d) Covers years ended 30 June.

Table 3. Hours flown and percentage change, by industry sector and flying activity, 2002 to 2004

Industry sector and flying activity	2002 Hours flown ('000)	2002 % change over 2001	2003 Hours flown ('000)	2003 % change over 2002	2004 Hours flown ('000)	2004 % change over 2003
Airline RPT						
Major Australian Airlines						
Domestic operations	414.3	-10.5	456.0	10.1	513.0	12.5
International operations	261.6	-5.0	261.6	0.0	302.0	15.5
Regional Airlines	250.1	-25.5	234.7	-6.2	251.4	7.1
Sub Total	926.0	-13.8	952.3	2.8	1 066.4	12.0
Airline (non-RPT)	7.5	74.0	8.0	7.3	7.4	-7.8
General Aviation						
Private	270.2	8.8	239.7	-11.3	247.2	3.1
Business	142.2	4.3	143.4	0.8	143.0	-0.2
Training	410.8	-0.7	420.3	2.3	352.2	-16.2
Agriculture	70.8	-38.4	69.7	-1.5	86.5	24.0
Aerial work	327.1	10.2	322.5	-1.4	312.4	-3.1
Test & Ferry	20.9	-25.1	21.2	1.7	22.3	5.1
Charter	445.7	-6.5	429.2	-3.7	481.4	12.2
Sub Total	1 687.7	-1.6	1 645.9	-2.5	1 645.0	-0.1
Ultralight Flying	80.6	8.9	84.5	4.8	87.1	3.1
Gliding	..	..	..	..	..	..
Hang Gliding (a)	122.2	14.5	124.7	2.0	132.0	5.9
Gyroplanes (a)	32.3	8.7	28.3	-12.3	29.3	3.3
TOTAL	2 856.3	-4.9	2 843.8	-0.4	2 967.1	4.3

(a) Covers years ended 30 June.

Table 4. Number of aircraft, landings and hours flown in General Aviation and Regional Airline operations by State or Territory, 2004 ('000 hours)

State or Territory	No. of Aircraft		Landings ('000)	General Aviation		Regional Airline		TOTAL HOURS FLOWN
	Total	Active (a)		Active Aircraft (a)	Hours Flown	Active Aircraft (a)	Hours Flown	
NSW	3 107	2 444	722 380	2 393	351 934	66	123 509	475 443
VIC	2 206	1 806	399 925	1 800	249 799	11	5 246	255 045
QLD	2 628	2 156	744 743	2 143	415 489	74	72 337	487 826
SA	710	618	203 210	614	123 582	10	11 082	134 664
WA	1 493	1 276	472 358	1 274	333 898	36	21 553	355 451
TAS	200	164	48 852	164	25 520	8	3 700	29 220
NT	402	356	203 300	348	127 060	12	12 708	139 768
ACT	158	121	25 387	121	17 693	3	1 220	18 913
AUSTRALIA	10 904	8 941	2 820 155	8 857	1 644 975	220	251 355	1 896 330

(a) Aircraft reported or estimated as doing some flying during the annual survey period. Sum of active aircraft in General Aviation and Regional Airline operations may not match total active aircraft, as some aircraft are active in both categories of operation.

Table 5. Hours flown in General Aviation and Regional Airline operations, by flying activity, 1994 to 2004 ('000 hours)

Year	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	Total GA	Regional Airline	TOTAL
1994	256.9	198.5	419.5	78.9	301.7	25.9	424.4	1 705.7	238.3	1 944.0
1995	251.0	189.1	430.6	94.5	302.4	28.2	465.7	1 761.3	243.1	2 004.4
1996	261.6	182.8	444.9	117.4	285.7	26.2	480.4	1 799.0	246.2	2 045.2
1997	266.7	176.0	449.5	128.4	307.4	27.6	483.7	1 839.3	272.4	2 111.7
1998	263.0	163.8	478.5	139.2	312.4	26.6	494.6	1 877.9	273.2	2 151.1
1999	275.9	153.3	448.8	126.3	306.6	26.6	504.6	1 842.2	277.3	2 119.4
2000	248.5	136.3	413.6	115.0	296.9	27.9	476.7	1 714.8	335.7	2 050.6
2001	261.7	144.9	406.2	106.7	294.2	23.2	466.0	1 702.9	298.0	2 000.9
2002	270.2	142.2	410.8	70.8	327.1	20.9	445.7	1 687.7	250.1	1 937.8
2003	239.7	143.4	420.3	69.7	322.5	21.2	429.2	1 645.9	234.7	1 880.6
2004	247.2	143.0	352.2	86.5	312.4	22.3	481.4	1 645.0	251.4	1 896.3

SECTION B. NUMBER OF AIRCRAFT BASED IN AUSTRALIA

Table 6. Number of aircraft performing General Aviation and Regional Airline operations, by principal aircraft makes, 1999 to 2004

Aircraft Make	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003	At Dec 2004
Fixed Wing - Single Engine							
A.E.S.L.	16	16	16	16	16	16	17
Aeronca	6	5	5	6	6	6	6
Air Parts	30	29	29	31	28	27	26
Air Tractor	105	104	107	105	105	103	106
American Air	91	90	90	91	89	88	89
American Champion	3	3	3	5	7	10	10
Auster	138	137	138	139	139	139	139
Avro	4	4	5	4	4	5	5
Ayres	47	47	49	48	45	41	41
BAC	9	9	9	9	9	12	12
Beagle	12	12	11	11	11	11	11
Beechcraft	343	335	334	331	327	327	328
Bellanca/ Champion	67	67	67	67	66	65	63
Boeing	15	15	16	19	19	22	22
Cessna	2 984	2 962	2 962	2 955	2 940	2 956	2 978
Cirrus	0	0	1	1	5	16	32
Commonwealth Aircraft	51	51	53	55	53	55	54
Consolidated Aeronautics	17	16	15	15	14	14	15
Czech	5	5	5	5	5	5	5
De Havilland	302	300	300	305	312	317	315
Diamond	1	1	1	1	4	8	9
Eagle	22	22	21	20	19	19	19
Fairchild	5	5	6	6	5	5	5
Fuji	13	13	13	13	13	13	13
Gippsland	17	17	14	18	26	34	41
Grob	58	58	57	57	57	58	56
Grumman	22	22	23	22	22	22	22
Hawker Siddeley	8	8	8	9	9	9	9
Hedaro	75	71	54	36	28	25	21
IMCO	9	9	9	9	9	9	9
Luscombe	13	13	13	13	13	14	14
Maule	52	51	54	54	53	53	52
Mikoyan	8	8	8	8	8	8	8
Mooney	147	146	146	143	144	145	145
Mudry	4	4	4	4	4	4	5
Nanchang	13	13	13	14	15	18	26
North American	37	37	37	40	41	42	45
NZAI	32	32	32	32	32	31	31
Pacific Aerospace	29	29	29	28	29	32	34
Pilatus	11	11	12	17	21	22	25
Piper	1 447	1 435	1 423	1 416	1 413	1 407	1 410
Pitts	22	22	22	22	22	22	24
PZL	36	35	36	36	40	42	50
Reims-Cessna	5	5	5	5	5	5	5
Robin	12	12	12	12	12	12	12
Rockwell	40	39	38	36	36	34	34
Ryan	7	7	8	8	9	9	9
SIAI Marchetti	4	4	5	4	7	14	13
Slepcev	2	2	12	13	11	11	8

continued

Table 6. continued

Aircraft Make	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003	At Dec 2004
Fixed Wing - Single Engine (continued)							
Socata	97	97	99	92	88	88	86
Stinson	19	19	19	19	19	19	19
Sud Aviation	4	4	5	5	5	5	5
Transavia	14	14	14	14	14	12	12
Vickers	2	2	2	4	4	5	6
Victa	79	79	79	80	80	80	79
Yakovlev	16	16	19	26	29	34	38
Amateur-built	571	559	619	673	707	789	848
Other	128	119	116	126	-1,880	122	121
Sub Total	7 326	7 247	7 302	7 353	7 375	7 516	7 642
Fixed Wing - Multi Engine							
Aero Commander	67	63	62	62	62	62	61
Beechcraft	385	374	378	367	364	366	364
Bombardier	0	0	0	0	1	1	19
British Aerospace	31	25	24	25	22	19	23
Britten Norman	37	36	39	38	35	35	35
Cessna	402	395	390	386	379	379	387
Dassault	6	5	5	6	7	6	5
De Havilland	72	71	77	79	80	74	59
Douglas	18	17	20	20	20	20	19
Embraer	32	31	32	28	26	27	26
Fairchild	47	47	49	50	57	61	61
Fokker	15	15	15	15	13	12	16
Gates Learjet	8	8	8	9	14	16	20
Grumman	11	11	11	11	11	11	11
Israel Aircraft	8	8	8	9	8	9	9
Lockheed	9	9	9	9	7	7	7
Partenavia	48	46	46	44	45	44	44
Piper	486	465	454	452	448	447	447
Saab	26	26	27	26	24	22	27
Shorts	13	12	11	9	9	6	6
Swearingen	17	14	14	14	12	11	10
Ted Smith	34	32	32	28	27	25	26
Other	46	33	44	49	35	36	36
Sub Total	1 818	1 743	1 755	1 736	1 706	1 696	1 718
Rotary Wing (see Table 7)							
Sub Total	902	868	943	979	1 038	1 121	1 194
Balloons and Airships (see Table 8)							
Sub Total	315	310	325	334	336	338	350
TOTAL ALL AIRCRAFT	10 361	10 168	10 325	10 402	10 455	10 671	10 904

(a) Up to 1999, number of aircraft shown is the unduplicated total of aircraft covered by the two component six-monthly surveys. For an accurate comparison with years 2000 and 2001, an extra column showing number of aircraft at the end of 1999 has been added.

Table 7. Number of helicopters performing General Aviation and Regional Airline operations, by principal helicopter makes, 1999 to 2004

Helicopter Make	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003	At Dec 2004
Rotary Wing - Single Engine							
Aerospatiale/Eurocopter	56	51	57	62	75	97	101
Agusta	15	14	16	16	17	15	15
Bell	213	204	227	231	243	250	257
Enstrom	10	10	10	9	10	10	11
Hiller	16	16	15	13	13	13	12
Hughes	57	54	57	57	55	54	52
Kawasaki	45	44	43	43	44	44	41
McDonnell Douglas	9	9	9	9	8	11	12
Robinson	336	326	357	379	411	448	499
Schweizer	10	10	11	11	13	15	19
Westland	4	4	4	4	5	5	5
Amateur-built	34	33	43	50	53	61	61
Other	9	8	7	11	10	11	16
Sub Total	814	783	856	895	957	1 034	1 101
Rotary Wing - Multi Engine							
Aerospatiale/Eurocopter	22	22	24	21	21	22	24
Agusta	6	6	5	5	3	7	10
Bell	19	19	19	17	18	18	19
Kawasaki	13	12	16	18	19	19	19
Sikorsky	27	25	22	22	19	20	20
Other	1	1	1	1	1	1	1
Sub Total	88	85	87	84	81	87	93
TOTAL ROTARY WING	902	868	943	979	1 038	1 121	1 194

(a) Up to 1999, number of aircraft shown is the unduplicated total of aircraft covered by the two component six-monthly surveys. For an accurate comparison with years 2000 and 2001, an extra column showing number of aircraft at the end of 1999 has been added.

Table 8. Number of balloons and airships performing General Aviation and Regional Airline operations, by principal makes, 1999 to 2004

Balloon or Airship make	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003	At Dec 2004
Balloon Works	22	22	22	21	20	15	15
Cameron	46	45	46	45	44	45	45
Kavanagh	183	179	195	203	209	212	222
Thunder/Colt	50	50	50	53	52	51	51
Other	14	14	12	12	11	15	17
TOTAL BALLOONS AND AIRSHIPS	315	310	325	334	336	338	350

(a) Up to 1999, number of aircraft shown is the unduplicated total of aircraft covered by the two component six-monthly surveys. For an accurate comparison with years 2000 and 2001, an extra column showing number of aircraft at the end of 1999 has been added.

Table 9. Major Australian airline fleets, by aircraft type, as at 31 December 1999 to 2004

Aircraft type		1999	2000	2001	2002	2003 [r]	2004
Airbus	A320	20	20	13	0	0	6
	A330	0	0	0	2	7	11
Boeing	717	0	5	8	14	14	14
	737	60	66	55	82	93	97
	747	36	39	37	36	36	36
	767	38	45	36	36	34	29
BAe	146	23	24	16	15	10	8
Other		0	1	0	0	0	0
TOTAL		177	200	165	185	194	201

(r) Numbers have been revised since the last issue.

SECTION C. GENERAL AVIATION AND REGIONAL AIRLINE LANDINGS.

Table 10. Number of landings in General Aviation and Regional Airline operations, by State or Territory [a], 1999 to 2004 ('000 landings)

State or Territory	1999	2000	2001	2002	2003	2004
NSW	975.6	942.6	902.2	848.6	792.5	722.4
VIC	523.6	507.7	501.9	419.3	449.7	399.9
QLD	875.0	801.4	827.9	802.0	783.5	744.7
SA	252.1	248.4	305.5	274.9	227.6	203.2
WA	489.4	490.9	527.6	455.8	443.3	472.4
TAS	52.7	54.8	57.9	45.4	42.0	48.9
NT	204.9	214.2	219.6	221.2	215.0	203.3
ACT	30.1	28.3	27.7	22.8	26.8	25.4
AUSTRALIA	3 403.3	3 288.5	3 370.3	3 089.9	2 980.4	2 820.2

(a) Refers to the location of the home base of the aircraft.

Table 11. Number of landings in General Aviation and Regional Airline operations, by category of aircraft, 1999 to 2004 ('000 landings)

Category	1999	2000	2001	2002	2003	2004
Fixed Wing - Single Engine	1 921.8	1 789.9	1 878.2	1 691.5	1 617.8	1 522.3
- Multi Engine	918.4	938.5	904.4	736.3	727.4	711.7
Rotary Wing - Single Engine	451.6	457.9	481.0	551.1	531.9	513.9
- Multi Engine	100.6	89.8	93.5	97.5	91.9	60.6
Balloons and Airships	10.9	12.4	13.2	13.5	11.4	11.6
TOTAL	3 403.3	3 288.5	3 370.3	3 089.9	2 980.4	2 820.2

SECTION D. GENERAL AVIATION HOURS FLOWN

Table 12. Hours flown in General Aviation operations by State or Territory [(a)], 1999 to 2004 ('000 hours)

State or Territory	1999	2000	2001	2002	2003	2004
NSW	463.9	426.5	395.5	401.7	380.0	351.9
VIC	271.8	249.9	242.3	253.5	257.9	249.8
QLD	467.1	416.0	413.7	401.8	399.3	415.5
SA	133.8	144.6	148.6	151.2	131.5	123.6
WA	338.3	318.8	338.1	316.2	316.8	333.9
TAS	24.4	22.7	26.3	24.8	22.5	25.5
NT	122.6	118.6	121.1	122.7	120.6	127.1
ACT	20.2	17.7	17.3	15.9	17.4	17.7
AUSTRALIA	1 842.2	1 714.8	1 702.9	1 687.7	1 645.9	1 645.0

(a) Refers to the location of the home base of the aircraft.

Table 13a. Hours flown in General Aviation operations by flying activity and State or Territory [(a)], 2004 ('000 hours)

State or Territory	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
NSW	69.7	32.4	94.8	31.6	46.5	4.1	72.8	351.9
VIC	52.3	27.1	70.3	12.8	21.2	3.7	62.2	249.8
QLD	68.2	47.5	55.8	20.8	99.9	7.0	116.4	415.5
SA	15.1	9.1	27.7	9.3	24.9	1.5	35.8	123.6
WA	28.8	16.5	94.0	8.8	70.7	3.0	112.2	333.9
TAS	4.0	2.0	3.5	2.8	5.5	0.8	6.9	25.5
NT	4.5	6.8	3.0	0.4	40.9	2.0	69.4	127.1
ACT	4.6	1.5	3.1	0.0	2.7	0.1	5.6	17.7
AUSTRALIA	247.2	143.0	352.2	86.5	312.4	22.3	481.4	1 645.0

(a) Refers to the location of the home base of the aircraft.

Table 13b. Hours flown in General Aviation Aerial Work operations, by flying activity and State or Territory [(a)], 2004 ('000 hours)

State or Territory	Survey & Photography	Pipe- & Powerline Patrol	Mustering	Search & Rescue	Ambulance	Towing	Other Aerial Work	TOTAL AERIAL WORK
NSW	8.7	3.8	5.0	0.9	12.8	2.9	12.4	46.5
VIC	3.0	1.1	2.0	0.3	5.6	1.6	7.7	21.2
QLD	7.2	2.2	45.5	1.4	18.3	1.2	24.2	99.9
SA	1.4	1.4	4.1	1.4	11.9	0.5	4.3	24.9
WA	11.5	0.9	21.8	0.5	15.1	0.5	20.3	70.7
TAS	0.7	0.1	0.6	0.2	1.5	0.0	2.4	5.5
NT	0.8	1.3	24.1	0.2	4.0	0.0	10.5	40.9
ACT	0.2	0.0	0.2	0.0	0.0	0.0	2.2	2.7
AUSTRALIA	33.5	10.7	103.2	5.0	69.2	6.8	84.0	312.4

(a) Refers to the location of the home base of the aircraft.

Table 14. Hours flown in General Aviation operations by principal aircraft makes, 1999 to 2004 ('000 hours)

Aircraft Make	1999	2000	2001	2002	2003	2004
Fixed Wing - Single Engine						
A.E.S.L.	0.9	0.7	0.7	0.6	0.7	1.0
Aeronca	0.1	0.2	0.1	0.2	0.2	0.1
Air Parts	10.0	7.5	11.2	9.5	7.3	7.5
Air Tractor	41.1	38.9	34.3	21.7	22.1	29.6
American Air	7.1	6.2	6.3	6.6	6.0	6.5
American Champion	..	..	1.0	1.4	2.5	3.1
Auster	1.7	1.6	1.6	1.8	1.7	1.6
Avro	..	0.0	..	..	-	-
Ayres	19.5	18.0	14.1	8.5	6.0	9.9
BAC	0.1	0.1	0.1	0.1	0.3	0.0
Beagle	0.7	0.3	0.3	0.2	0.2	0.2
Beechcraft	36.8	27.7	25.7	28.2	26.6	25.7
Bellanca/ Champion	8.8	5.6	5.9	5.9	5.7	5.2
Boeing	0.5	0.4	0.5	0.4	0.5	0.4
Cessna	557.3	503.9	493.2	477.4	466.0	449.9
Cirrus	0.0	..	..	0.5	1.4	3.8
Commonwealth Aircraft	0.8	0.7	0.7	0.7	1.1	0.8
Consolidated Aeronautics	1.0	0.5	0.4	0.6	0.7	0.7
Czech	0.1	0.1	0.1	0.1	0.1	0.1
De Havilland	15.2	15.7	13.7	13.0	12.9	12.6
Diamond	..	..	..	..	0.8	1.5
Eagle	2.1	2.9	3.1	2.1	1.7	1.4
Fairchild	0.1	0.1	0.1	-	-	-
Fuji	0.4	0.3	0.3	0.5	0.4	0.4
Gippsland	2.3	3.4	4.6	5.6	6.0	8.0
Grob	25.2	28.6	23.3	25.5	33.6	28.3
Grumman	2.6	2.2	2.7	2.0	2.2	2.1
Hawker Siddeley	0.0	0.0	-	-	-	-
Hedaro	9.0	6.2	2.5	2.4	1.7	1.4
IMCO	0.7	0.8	0.7	0.8	1.4	0.8
Luscombe	0.2	0.2	0.2	0.2	0.2	0.2
Maule	3.6	3.5	3.0	2.5	2.5	2.2
Mikoyan	0.1	0.1	0.1	0.1	0.1	0.1
Mooney	17.7	14.8	15.9	16.1	15.1	14.7
Mudry	..	..	..	..	..	1.8
Nanchang	0.2	0.2	0.2	0.4	0.8	1.0
North American	0.6	0.6	0.7	1.1	0.9	0.9
NZAI	1.1	1.0	1.1	1.1	1.4	1.0
Pacific Aerospace	13.1	13.3	18.1	18.6	18.5	15.4
Pilatus	7.5	8.3	8.1	18.2	19.9	20.9
Piper	231.1	202.9	196.0	196.2	173.4	160.2
Pitts	1.1	0.9	0.9	1.1	0.7	0.7
PZL	4.0	4.8	4.7	3.3	4.1	4.5
Reims-Cessna	0.3	0.3	0.3	0.2	0.2	0.1
Robin	2.0	2.5	2.5	2.5	2.4	1.9
Rockwell	5.1	4.2	3.7	2.8	2.8	3.1
Ryan	0.1	0.1	0.1	0.6	0.5	0.5
SIAI Marchetti	..	0.1	..	0.1	0.3	0.1
Slepcev	..	0.5	0.7	0.8	0.8	0.8
Socata	24.0	23.9	24.5	25.6	24.7	18.5
Stinson	0.2	0.2	0.3	0.3	0.2	0.4

continued

Table 14. continued

Aircraft Make	1999	2000	2001	2002	2003	2004
Fixed Wing - Single Engine (continued)						
Sud Aviation	..	0.1	0.1	0.2	0.1	0.2
Transavia	1.6	1.9	2.0	1.6	1.1	1.4
Vickers	..	..	..	..	0.1	0.1
Victa	3.0	3.2	3.5	3.3	3.5	2.8
Yakovlev	0.5	0.7	0.6	0.9	0.8	1.0
Amateur-built	13.5	17.8	22.2	24.2	24.6	25.7
Other	9.6	6.1	6.9	7.4	6.5	2.5
Sub Total	1 084.6	984.7	963.2	945.9	915.6	887.0
Fixed Wing - Multi Engine						
Aero Commander	25.4	18.9	25.8	17.2	26.9	26.7
Beechcraft	116.9	118.0	120.5	116.8	111.1	109.1
Bombardier	0.0	0.0	0.0	..	..	5.1
British Aerospace	13.4	7.1	6.7	9.2	7.9	11.6
Britten Norman	17.1	15.3	8.3	6.8	11.2	12.6
Cessna	106.2	95.7	91.4	86.0	81.6	80.9
Dassault	1.2	1.0	1.3	1.6	0.9	0.7
De Havilland	22.0	16.2	17.6	11.7	14.4	14.4
Douglas	0.7	0.8	1.0	0.7	0.7	0.5
Embraer	2.6	4.1	4.9	5.8	4.0	8.7
Fairchild	29.3	28.2	38.2	29.8	23.5	32.9
Fokker	2.0	2.6	1.5	1.3	2.8	5.2
Gates Learjet	2.9	2.1	4.2	3.4	9.2	8.3
Grumman	2.9	2.8	2.7	2.9	3.1	2.8
Israel Aircraft	6.7	3.4	5.3	6.4	6.0	6.9
Lockheed	0.1	0.1	0.2	-	-	-
Partenavia	15.0	12.9	10.9	10.2	9.3	8.9
Piper	99.7	97.3	90.5	92.5	94.1	85.1
Saab	3.4	0.9	1.1	-	-	0.6
Shorts	0.6	0.8	0.5	0.3	0.3	0.3
Swearingen	4.1	4.8	4.6	2.9	1.6	1.3
Ted Smith	4.8	4.7	4.5	5.0	5.1	4.4
Other	12.7	11.2	8.0	7.9	9.4	9.1
Sub Total	489.8	448.9	449.3	418.4	423.2	435.9
Rotary Wing (see Table 15)						
Sub Total	257.4	269.6	278.4	311.7	296.8	311.8
Balloons and Airships (see Table 16)						
Sub Total	10.4	11.6	12.0	11.7	10.4	10.3
TOTAL ALL AIRCRAFT	1 842.2	1 714.8	1 702.9	1 687.7	1 645.9	1 645.0

Table 15. Hours flown in General Aviation operations by principal helicopter makes, 1999 to 2004 ('000 hours)

Helicopter Make	1999	2000	2001	2002	2003	2004
Rotary Wing - Single Engine						
Aerospatiale/Eurocopter	16.9	17.3	18.9	23.8	27.5	25.7
Agusta	2.3	2.8	2.9	3.1	2.6	2.6
Bell	62.6	65.6	69.8	73.9	64.2	66.5
Enstrom	0.6	0.9	1.1	0.2	0.2	0.3
Hiller	1.7	2.2	2.1	2.7	2.3	2.3
Hughes/Schweizer	12.7	10.5	9.9	10.0	10.0	9.0
Kawasaki	10.3	8.6	9.7	9.6	7.9	6.6
McDonnell Douglas	0.9	1.9	1.8	1.8	3.3	3.2
Robinson	107.0	116.0	121.7	136.0	136.6	149.6
Schweizer	2.7	2.8	3.1	3.9	3.9	3.8
Westland	..	..	..	0.7	0.7	0.5
Amateur-built	0.4	1.0	1.1	0.7	1.1	0.6
Other	0.7	0.5	1.3	1.3	0.7	1.7
Sub Total	218.9	230.2	243.4	267.9	261.0	272.4
Rotary Wing - Multi Engine						
Aerospatiale/Eurocopter	11.2	14.7	11.5	16.0	12.7	13.0
Agusta	1.2	1.3	0.5	..	1.6	2.0
Bell	10.5	8.4	7.7	9.0	7.0	9.1
Kawasaki	3.5	3.6	5.4	9.0	5.6	6.2
Sikorsky	11.4	10.5	8.1	8.6	8.3	8.6
Other	0.8	0.8	1.8	1.2	0.6	0.4
Sub Total	38.5	39.4	35.0	43.8	35.8	39.3
TOTAL ROTARY WING	257.4	269.6	278.4	311.7	296.8	311.8

Table 16. Hours flown in General Aviation operations by principal makes of balloons and airships, 1999 to 2004 ('000 hours)

Balloon or Airship Make	1999	2000	2001	2002	2003	2004
Balloon Works	0.1	0.2	0.2	0.2	0.2	0.3
Cameron	0.7	1.0	0.7	0.8	0.8	0.9
Kavanagh	8.0	9.0	9.5	9.2	8.5	8.2
Thunder/Colt	1.3	1.3	1.3	1.2	0.8	0.8
Other	0.2	0.2	0.3	0.2	0.1	0.1
TOTAL BALLOONS AND AIRSHIPS	10.4	11.6	12.0	11.7	10.4	10.3

Table 17. Hours flown in General Aviation operations by flying activity and principal aircraft makes, 2004 ('000 hours)

Aircraft Make	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
Fixed Wing - Single Engine								
A.E.S.L.	0.7	0.1	0.1	0.0	0.0	-	0.0	1.0
Aeronca	0.1	0.0	-	0.0	0.0	0.0	0.0	0.1
Air Parts	0.0	0.0	-	4.3	2.7	0.4	0.0	7.5
Air Tractor	0.2	0.3	0.0	26.0	2.5	0.1	0.5	29.6
American Air	4.1	0.8	1.4	0.0	0.0	-	0.2	6.5
American Champion	-	-	0.7	0.0	2.4	0.0	0.0	3.1
Auster	1.3	0.1	0.1	0.0	-	-	0.0	1.6
Avro	0.0	0.0	0.0	0.0	0.0	-	0.0	-
Ayres	0.1	0.0	-	9.4	0.4	0.1	0.0	9.9
BAC	0.2	-	-	0.0	-	0.0	0.0	0.3
Beagle	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Beechcraft	9.9	8.2	3.8	0.0	0.2	0.3	3.2	25.7
Bellanca/ Champion	1.3	0.2	1.9	0.0	1.8	-	-	5.2
Boeing	0.4	0.0	0.0	0.0	0.0	0.0	-	0.4
Cessna	94.5	55.8	134.7	12.0	48.3	4.2	100.5	449.9
Cirrus	1.6	1.4	0.6	0.0	-	0.1	0.2	3.8
Commonwealth Aircraf	0.6	0.1	0.1	0.0	-	-	-	0.8
Consolidated Aeronaut	0.2	0.2	0.1	0.0	0.0	-	0.1	0.7
Czech	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
De Havilland	3.9	0.3	1.1	0.6	-	0.1	6.6	12.6
Diamond	0.3	0.2	0.9	0.0	0.2	-	0.0	1.5
Eagle	0.1	0.1	1.0	0.0	0.0	0.2	0.0	1.4
Fairchild	-	0.0	0.0	0.0	0.0	0.0	0.0	-
Fuji	0.2	-	0.1	0.0	-	-	-	0.4
Gippsland	0.3	0.1	0.1	3.4	0.3	0.2	3.6	8.0
Grob	-	0.1	28.2	0.0	0.0	-	0.0	28.3
Grumman	-	0.0	-	1.9	0.0	-	0.1	2.1
Hawker Siddeley	-	0.0	-	0.0	0.0	0.0	0.0	-
Hedaro	0.4	-	0.9	0.0	0.1	-	-	1.4
IMCO	0.0	0.1	0.0	0.1	0.5	-	0.0	0.8
Luscombe	0.2	0.0	0.0	0.0	-	-	0.0	0.2
Maule	1.0	0.6	0.1	0.0	0.1	-	0.4	2.2
Mikoyan	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mooney	5.5	3.2	4.9	0.0	0.2	0.2	0.7	14.7
Mudry	-	0.0	1.8	0.0	0.0	0.0	0.0	1.8
Nanchang	0.8	0.1	-	0.0	0.1	-	0.0	1.0
North American	0.7	0.1	-	-	-	-	-	0.9
NZAI	0.8	0.1	-	0.0	0.1	-	0.0	1.0
Pacific Aerospace	0.9	0.0	13.6	0.7	0.2	0.1	0.0	15.4
Pilatus	0.2	1.3	0.2	0.0	18.9	0.2	0.1	20.9
Piper	44.2	17.1	65.7	10.4	10.7	2.1	10.0	160.2
Pitts	0.3	0.0	0.3	0.0	-	-	0.1	0.7
PZL	0.1	0.0	-	3.4	0.8	0.1	0.1	4.5
Reims-Cessna	0.1	-	0.0	0.0	0.0	0.0	0.0	0.1
Robin	0.2	0.7	1.0	0.0	-	-	0.0	1.9
Rockwell	0.8	0.4	0.5	1.3	0.0	-	0.0	3.1
Ryan	0.4	0.1	-	0.0	0.0	-	-	0.5
SIAI Marchetti	0.1	-	-	0.0	0.0	0.0	0.0	0.1
Slepcev	0.2	0.3	0.0	0.0	0.0	0.2	0.0	0.8
Socata	2.4	1.6	14.3	-	-	0.2	0.0	18.5
Stinson	0.4	0.0	-	0.0	0.0	-	0.0	0.4
Sud Aviation	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2

continued

Table 17. continued

Aircraft Make	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
Fixed Wing - Single Engine (continued)								
Transavia	-	0.0	0.0	1.4	0.0	-	0.0	1.4
Vickers	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Victa	1.5	0.3	1.0	0.0	-	0.1	0.0	2.8
Yakovlev	0.8	0.1	-	0.0	-	-	0.0	1.0
Amateur-built	20.9	3.1	0.7	0.0	-	1.0	0.0	25.7
Other	2.3	0.2	0.7	0.2	0.5	0.1	0.2	4.2
Sub Total	205.9	97.6	280.1	75.0	90.9	10.6	126.8	887.0
Fixed Wing - Multi Engine								
Aero Commander	0.1	0.6	0.3	0.0	1.9	0.3	23.6	26.7
Beechcraft	6.3	6.1	19.1	0.0	41.5	1.0	35.1	109.1
Bombardier	0.4	1.0	-	0.0	3.6	0.1	-	5.1
British Aerospace	0.0	0.2	-	0.0	0.0	-	11.4	11.6
Britten Norman	0.1	-	0.3	0.0	6.0	0.4	5.8	12.6
Cessna	4.2	7.6	4.1	0.0	8.5	1.3	55.3	80.9
British Aerospace	0.0	0.6	-	0.0	-	-	-	0.7
De Havilland	0.2	-	0.1	0.0	6.1	0.1	7.8	14.4
Douglas	0.2	0.0	-	0.0	0.0	0.0	0.3	0.5
Embraer	0.2	0.2	0.2	0.0	0.0	-	8.1	8.7
Fairchild	0.0	0.1	0.4	0.0	0.0	0.2	32.2	32.9
Fokker	0.0	0.0	0.1	0.0	0.6	0.1	4.5	5.2
Gates Learjet	0.3	0.2	4.7	0.0	0.6	0.1	2.4	8.3
Grumman	1.6	0.4	0.5	0.0	-	-	0.2	2.8
Israel Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	6.9	6.9
Lockheed	-	0.0	-	0.0	0.0	-	0.0	-
Partenavia	0.8	0.3	2.7	0.0	0.8	0.1	4.2	8.9
Piper	6.0	6.1	12.6	0.0	5.2	1.1	54.0	85.1
Saab	0.0	0.1	0.0	0.0	0.0	-	0.5	0.6
Shorts	0.0	-	-	0.0	0.0	-	0.2	0.3
Swearingen	0.0	-	-	0.0	-	-	1.2	1.3
Ted Smith	0.2	0.3	0.1	0.0	0.0	-	3.8	4.4
Other	0.5	0.9	0.2	0.0	3.7	0.4	3.4	9.1
Sub Total	21.0	24.8	45.3	0.0	78.6	5.2	260.9	435.9
Rotary Wing - Helicopters and Gyroplanes (see Table 18)								
Sub Total	18.9	20.4	26.5	11.5	142.9	6.5	85.1	311.8
Balloons and Airships (see Table 19)								
Sub Total	1.4	0.1	0.1	0.0	-	0.0	8.7	10.3
TOTAL ALL AIRCRAFT	247.2	143.0	352.2	86.5	312.4	22.3	481.4	1 645.0

Table 18. Hours flown in General Aviation operations by flying activity and principal helicopter makes, 2004 ('000 hours)

Helicopter Make	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
Rotary Wing - Single Engine								
Aerospatiale/Eurocopte	2.1	1.6	1.0	0.2	10.4	0.5	9.9	25.7
Agusta	0.3	0.2	-	-	0.9	-	1.1	2.6
Bell	3.7	2.5	3.3	5.1	19.7	1.4	30.8	66.5
Enstrom	0.1	0.1	-	0.0	-	-	0.1	0.3
Hiller	-	-	-	1.8	0.3	0.1	0.1	2.3
Hughes	1.5	0.2	0.9	0.9	3.5	0.3	1.7	9.0
Kawasaki	0.1	0.4	0.1	0.6	2.5	0.2	2.7	6.6
McDonnell Douglas	-	0.1	0.1	0.3	1.2	-	1.5	3.2
Robinson	10.2	10.3	16.5	2.4	85.9	3.3	21.0	149.6
Schweizer	-	0.1	1.0	0.0	2.2	0.1	0.3	3.8
Westland	-	-	-	0.0	0.1	0.0	0.3	0.5
Amateur-built	0.4	0.1	0.0	0.0	-	0.1	0.0	0.6
Other	-	0.1	-	0.2	0.9	-	0.4	1.7
Sub Total	18.4	15.9	22.9	11.5	127.8	6.1	69.9	272.4
Rotary Wing - Multi Engine								
Aerospatiale/Eurocopte	0.1	0.2	1.3	0.0	5.0	-	6.4	13.0
Agusta	0.1	0.9	-	0.0	0.4	-	0.5	2.0
Bell	0.0	-	0.9	0.0	5.3	0.2	2.7	9.1
Kawasaki	0.0	-	0.7	0.0	3.3	0.1	2.1	6.2
Sikorsky	0.2	3.4	0.7	0.0	0.8	-	3.4	8.6
Other	0.0	0.0	-	0.0	0.4	-	0.0	0.4
Sub Total	0.4	4.6	3.7	0.0	15.1	0.4	15.2	39.3
TOTAL ROTARY WIN(	18.9	20.4	26.5	11.5	142.9	6.5	85.1	311.8

Table 19. Hours flown in General Aviation operations by flying activity and principal makes of balloons and airships, 2004 ('000 hours)

Balloon or Airship Make	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
Balloon Works	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3
Cameron	0.2	0.0	-	0.0	-	0.0	0.7	0.9
Kavanagh	1.0	0.1	0.1	0.0	-	0.0	6.9	8.2
Thunder/Colt	0.1	0.0	0.0	0.0	-	0.0	0.7	0.8
Other	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1
TOTAL BALLOONS AND AIRSHIPS	1.4	0.1	0.1	0.0	-	0.0	8.7	10.3

Table 20a. Number of jet aircraft, landings and total hours flown in General Aviation and Regional Airline operations, by principal aircraft makes, 2004

Aircraft Make	Number of Aircraft	Landings ('000)	Hours Flown ('000)
BAC	12	1.5	0.3
British Aerospace	13	7.1	9.5
Cessna	31	7.1	6.3
Dassault	5	0.3	0.7
Fokker	7	4.5	8.2
Gates Learjet	20	13.4	8.3
Hawker Siddeley	5	-	-
Israel Aircraft	9	3.7	6.9
Mikoyan	8	0.6	0.1
PZL	6	0.3	-
Other	23	3.7	5.6
TOTAL	139	42.2	45.8

Table 20b. Hours flown by jet aircraft in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004 ('000 hours)

Aircraft Make	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
BAC	0.2	-	-	0	-	0	0	0	0.3
British Aerospace	0	0.2	0	0	0	-	9.3	0	9.5
Cessna	0.6	1.6	1.7	0	0.1	0.1	2.2	0	6.3
Dassault	0	0.6	-	0	-	-	-	0	0.7
Fokker	0	0	-	0	0	0.1	3.7	4.5	8.2
Gates Learjet	0.3	0.2	4.7	0	0.6	0.1	2.4	0	8.3
Hawker Siddeley	-	0	-	0	0	0	0	0	-
Israel Aircraft	0	0	0	0	0	0	6.9	0	6.9
Mikoyan	0.1	0	0	0	0	0	0	0	0.1
PZL	-	0	0	0	0	0	0	0	-
Other	1.5	1.6	-	0	0.2	0.3	2.0	0	5.6
TOTAL	2.8	4.1	6.5	0	1.0	0.6	26.4	4.5	45.8

Table 21a. Number of amphibious aircraft [a], landings and total hours flown in General Aviation and Regional Airline operations, by principal aircraft makes, 2004

Aircraft Make	Number of Aircraft	Landings (b) ('000)	Hours Flown ('000)
Cessna	16	6.1	3.1
Consolidated	15	1.8	0.7
De Havilland	12	10.0	3.5
Amateur-built	25	2.0	1.0
Other	11	1.9	2.0
TOTAL	79	21.8	10.2

(a) Includes fixed-wing aircraft only.

(b) Survey responses covering 7 aircraft/1 240 landings (5.7 per cent of total landings for this category of aircraft) reported that 81.0 per cent of landings were on water and 19.0 per cent on land.

Table 21b. Hours flown by amphibious aircraft [a] in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004 ('000 hours)

Aircraft Make	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Cessna	0.1	0.1	0.1	0	-	-	2.8	0	3.1
Consolidated	0.2	0.2	0.1	0	0	-	0.1	0	0.7
De Havilland	0.7	0	-	0	0	-	2.8	0	3.5
Amateur-built	0.9	0	0.1	0	0	-	0	0	1.1
Other	1.6	-	0.1	0	0	-	0.3	0	2.0
TOTAL	3.4	0.3	0.5	0	-	0.1	6.0	0	10.2

(a) Includes fixed-wing aircraft only.

SECTION E. ACTIVITY ANALYSIS

AIRCRAFT PERFORMING PRIVATE FLYING

Table 22a. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

Aircraft Make	No. of Aircraft	Landings	Hours flown: Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
A.E.S.L	16	1 873	**728**	147	113	0	0	7	0	0	995
Aeronca	3	101	**40**	36	5	0	0	3	0	0	84
Air Tractor	7	2 145	**222**	0	0	213	0	0	0	0	435
American Air	75	8 096	**4 110**	680	1 245	0	0	31	20	0	6 086
Auster	65	2 906	**1 291**	64	51	0	37	9	0	0	1 452
BAC	8	1 436	**202**	0	8	0	26	0	0	0	236
Beagle	7	190	**176**	0	0	0	0	0	0	0	176
Beechcraft	214	24 385	**9 896**	4 251	3 443	0	190	279	737	0	18 796
Bellanca/Cha	37	2 965	**1 255**	73	900	0	0	20	10	0	2 258
Boeing	13	812	**363**	0	0	0	0	0	0	0	363
Cessna	1 704	363 162	**94 491**	18 629	79 732	219	14 298	2 302	15 338	0	225 009
Cirrus	23	3 641	**1 554**	665	299	0	10	30	171	0	2 729
Commonwea	28	2 633	**623**	13	34	0	1	1	37	0	709
Consolidated	5	400	**218**	15	52	0	0	9	0	0	294
De Havilland	143	13 542	**3 898**	186	923	0	1	66	1 125	0	6 199
Eagle	6	670	**146**	70	318	0	0	0	0	0	534
Fuji	8	948	**207**	30	83	0	29	5	17	0	371
Gippsland	7	1 860	**339**	51	8	0	0	0	54	0	452
Hedaro	13	2 710	**444**	33	455	0	95	3	2	0	1 032
Luscombe	8	696	**200**	0	0	0	2	0	0	0	202
Maule	24	2 012	**1 013**	206	83	0	0	22	42	0	1 366
Mooney	113	18 383	**5 487**	1 680	4 067	0	199	192	717	0	12 342
Nanchang	17	2 457	**833**	0	4	0	0	16	0	0	853
North Americ	27	1 898	**725**	37	11	0	33	21	0	0	827
NZAI	23	2 137	**786**	72	1	0	90	6	0	0	955
PZL	3	423	**125**	0	0	0	0	0	0	0	125
Piper	896	147 946	**44 195**	8 781	37 044	12	1 610	1 546	3 286	0	96 474
Pitts	13	1 839	**310**	0	185	0	0	17	87	0	599
Robin	6	1 717	**214**	35	878	0	3	23	0	0	1 153
Rockwell	19	1 972	**837**	273	449	0	0	39	0	0	1 598
Ryan	9	438	**370**	86	42	0	0	1	4	0	503
SIAI Marchetl	6	622	**116**	0	16	0	0	0	0	0	132
Slepcev	4	482	**228**	0	0	0	0	3	0	0	231
Socata	46	11 802	**2 389**	829	2 474	2	32	32	0	0	5 758
Stinson	11	462	**388**	0	10	0	0	11	0	0	409
Victa	49	3 159	**1 487**	191	288	0	4	42	0	0	2 012
Yakovlev	25	2 858	**842**	52	16	0	17	8	0	0	935
Amateur Built	506	31 392	**20 863**	1 319	422	0	27	439	0	0	23 070
Other	109	12 160	**4 323**	366	341	0	141	57	71	0	5 299
Sub Total	4 296	679 330	**205 934**	38 870	134 000	446	16 845	5 240	21 718	0	423 053
Fixed Wing - Multi Engine											
Aero Comma	7	1 824	**110**	194	44	0	21	33	979	109	1 490
Beechcraft	109	14 207	**6 286**	1 347	4 523	0	266	191	1 577	75	14 265
Britten Norma	9	8 236	**82**	0	69	0	10	156	1 420	4 000	5 737
Cessna	105	11 956	**4 175**	2 611	534	0	411	268	4 645	0	12 644
Partenavia	21	3 375	**831**	210	1 121	0	508	26	755	0	3 451
Piper	159	23 291	**5 997**	2 535	4 851	0	704	297	5 112	225	19 721
Ted Smith	10	1 205	**163**	170	21	0	0	14	755	0	1 123
Other	31	5 376	**3 363**	712	389	0	30	73	1 315	0	5 882
Sub Total	451	69 470	**21 007**	7 779	11 552	0	1 950	1 058	16 558	4 409	64 313
TOTAL	4 747	748 800	**226 941**	46 649	145 552	446	18 795	6 298	38 276	4 409	487 366

Table 22b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2004

Helicopter Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/	25	6 206	**2 071**	532	232	0	1 290	95	442	0	4 662
Bell	50	19 989	**3 690**	785	1 240	1 217	2 919	270	3 236	0	13 357
Hughes	12	4 243	**1 522**	52	767	90	213	73	82	0	2 799
Kawasaki	10	3 906	**135**	15	3	0	279	61	701	0	1 194
Robinson	134	92 963	**10 171**	2 999	8 046	648	20 441	1 816	4 275	0	48 396
Amateur Built	17	682	**398**	32	0	0	4	92	0	0	526
Other	12	3 714	**462**	142	601	385	424	65	228	0	2 307
Sub Total	260	131 703	**18 449**	4 557	10 889	2 340	25 570	2 472	8 964	0	73 241
Rotary Wing - Multi Engine											
Sub Total	8	1 943	**409**	445	47	0	30	22	193	0	1 146
TOTAL	268	133 646	**18 858**	5 002	10 936	2 340	25 600	2 494	9 157	0	74 387

Table 22c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2004

Balloon Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Balloon Work	9	303	**51**	0	0	0	0	0	206	0	257
Cameron	18	357	**155**	0	12	0	0	0	160	0	327
Kavanagh	76	2 060	**1 044**	40	57	0	5	0	790	0	1 936
Thunder/ Coll	10	219	**96**	0	0	0	0	0	40	0	136
Other	6	68	**41**	0	0	0	0	0	40	0	81
TOTAL	119	3 007	**1 387**	40	69	0	5	0	1 236	0	2 737

AIRCRAFT PERFORMING BUSINESS FLYING

Table 23a. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

Aircraft Make	No. of Aircraft	Landings	Hours flown								
			Private	**Business**	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
American Air	15	1 500	446	**788**	236	0	0	20	20	0	1 510
Beechcraft	126	11 609	2 223	**8 228**	763	0	95	153	610	0	12 072
Bellanca/Chan	7	748	324	**193**	17	0	1	1	0	0	536
Cessna	857	108 595	13 995	**55 769**	8 118	888	11 182	1 315	3 265	0	94 532
De Havilland	9	752	96	**337**	54	0	0	3	75	0	565
Grob	10	15 738	0	**56**	3 679	0	0	48	0	0	3 783
Maule	17	1 114	133	**603**	52	0	4	7	0	0	799
Mooney	58	4 105	1 221	**3 215**	138	0	1	63	395	0	5 033
NZAI	3	162	74	**72**	0	0	0	0	0	0	146
Piper	317	34 766	7 120	**17 067**	3 797	237	1 352	540	1 557	0	31 670
Rockwell	11	554	275	**420**	17	0	0	7	0	0	719
Socata	38	36 604	826	**1 638**	10 484	2	32	177	0	0	13 159
Victa	10	728	219	**298**	116	0	4	11	0	0	648
Amateur Built	65	5 107	1 396	**3 136**	143	0	7	113	0	0	4 795
Other	74	11 764	1 688	**5 821**	2 180	419	1 412	186	108	0	11 814
Sub Total	1 617	233 846	30 036	**97 641**	29 794	1 546	14 090	2 644	6 030	0	181 781
Fixed Wing - Multi Engine											
Aero Comman	11	1 712	98	**642**	35	0	13	15	451	0	1 254
Beechcraft	96	20 439	914	**6 134**	4 302	0	3 826	278	2 817	0	18 271
Cessna	101	19 985	938	**7 570**	385	0	154	279	6 609	250	16 185
Partenavia	5	1 116	105	**285**	110	0	0	0	378	0	878
Piper	126	20 900	1 562	**6 134**	740	0	168	201	6 266	750	15 821
Ted Smith	10	391	54	**311**	20	0	0	12	0	0	397
Other	42	18 551	388	**3 752**	613	0	51	385	5 201	0	10 390
Sub Total	391	83 094	4 059	**24 828**	6 205	0	4 212	1 170	21 722	1 000	63 196
TOTAL	2 008	316 940	34 095	**122 469**	35 999	1 546	18 302	3 814	27 752	1 000	244 977

Table 23b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2004

Helicopter Make	No. of Aircraft	Landings	Hours flown								
			Private	**Business**	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/E	26	10 141	557	**1 631**	128	0	1 913	67	1 239	0	5 535
Bell	63	28 282	758	**2 540**	551	133	6 323	175	3 929	0	14 409
Hughes	11	4 717	111	**197**	771	0	756	81	405	0	2 321
Kawasaki	10	3 971	22	**394**	3	0	843	6	513	0	1 781
McDonnell Dou	6	2 976	0	**112**	8	0	746	0	396	0	1 262
Robinson	133	62 279	1 754	**10 303**	3 016	480	11 902	389	6 217	0	34 061
Schweizer	8	4 161	5	**132**	628	0	897	39	342	0	2 043
Amateur Built	6	208	55	**73**	0	0	0	46	0	0	174
Other	15	7 295	70	**487**	36	0	1 666	9	840	0	3 108
Sub Total	278	124 030	3 332	**15 869**	5 141	613	25 046	812	13 881	0	64 694
Rotary Wing - Multi Engine											
Agusta	9	3 477	70	**916**	45	0	385	20	540	0	1 976
Kawasaki	6	3 701	0	**19**	362	0	1 419	63	34	0	1 897
Sikorsky	7	20 791	205	**3 406**	8	0	2	2	0	0	3 623
Other	2	1 018	0	**225**	66	0	618	21	0	0	930
Sub Total	24	28 987	275	**4 566**	481	0	2 424	106	574	0	8 426
TOTAL	302	153 017	3 607	**20 435**	5 622	613	27 470	918	14 455	0	73 120

Table 23c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2004

Balloon Make	No. of Aircraft	Landings	Hours flown								
			Private	**Business**	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Other	2	259	26	**120**	0	0	0	0	80	0	226
TOTAL	2	259	26	**120**	0	0	0	0	80	0	226

AIRCRAFT PERFORMING TRAINING FLYING

Table 24a. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

Aircraft Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	**Training**	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
American Air	17	4 816	1 579	427	**1 358**	0	0	11	20	0	3 395
Beechcraft	70	12 241	2 916	3 118	**3 760**	0	15	183	218	0	10 210
Bellanca/Char	22	3 405	498	8	**1 884**	0	1	40	10	0	2 441
Cessna	769	426 357	32 170	9 600	**134 650**	514	11 899	2 160	40 399	2 813	234 205
Cirrus	13	1 943	296	914	**551**	0	10	110	171	0	2 052
Commonwealtl	7	568	178	13	**56**	0	1	7	37	0	292
De Havilland	22	7 297	1 127	62	**1 062**	0	1	25	2 132	0	4 409
Eagle	5	2 167	25	0	**970**	0	0	40	0	0	1 035
Gippsland	7	6 017	137	81	**100**	0	70	63	3 464	0	3 915
Grob	49	59 215	0	56	**28 185**	0	0	48	0	0	28 289
Hedaro	8	3 460	141	0	**867**	0	15	4	2	0	1 029
Maule	6	1 585	108	93	**96**	0	59	5	310	0	671
Mooney	30	13 063	1 674	742	**4 860**	0	198	49	478	0	8 001
Mudry	5	5 268	2	0	**1 753**	0	0	0	0	0	1 755
Pacific Aerospa	26	37 277	0	0	**13 554**	0	0	0	0	0	13 554
Pilatus	11	8 864	60	1 000	**245**	0	9 435	201	50	0	10 991
Piper	436	145 994	18 549	4 886	**65 698**	57	1 258	1 088	2 115	0	93 651
Rockwell	9	1 441	432	85	**481**	0	0	37	0	0	1 035
Socata	46	44 130	1 302	691	**14 264**	2	49	184	0	0	16 492
Victa	15	3 344	352	239	**953**	0	0	58	0	0	1 602
Amateur Built	41	3 380	1 420	470	**686**	0	4	159	0	0	2 739
Other	58	13 556	1 807	387	**4 100**	445	2 750	462	266	0	10 217
Sub Total	1 672	805 388	64 773	22 872	**280 133**	1 018	25 765	4 934	49 672	2 813	451 980
Fixed Wing - Multi Engine											
Aero Comman	19	12 796	46	187	**282**	0	107	200	7 552	782	9 156
Beechcraft	130	66 332	2 115	2 658	**19 094**	0	23 687	721	12 659	2 010	62 944
Britten Norman	17	12 428	53	0	**303**	0	5 926	295	2 431	4 000	13 008
Cessna	137	50 123	1 548	4 217	**4 072**	0	3 035	893	29 666	10 254	53 685
De Havilland	10	6 678	16	10	**107**	0	5 261	41	3 547	727	9 709
Douglas	5	310	71	0	**19**	0	0	0	265	0	355
Embraer	10	8 714	0	0	**185**	0	0	33	6 409	4 242	10 869
Fairchild	16	14 815	0	0	**393**	0	0	170	10 860	4 573	15 996
Gates Learjet	8	11 370	184	162	**4 673**	0	0	2	301	0	5 322
Partenavia	24	8 175	425	210	**2 705**	0	739	65	2 309	284	6 737
Piper	152	48 269	2 532	1 767	**12 616**	0	4 175	628	10 585	7 977	40 280
Ted Smith	8	962	54	239	**59**	0	0	16	481	0	849
Other	26	12 020	21	1 185	**836**	0	5 608	500	4 459	3 461	16 070
Sub Total	562	252 992	7 065	10 635	**45 344**	0	48 538	3 564	91 524	38 310	244 980
TOTAL	2 234	1058 380	71 838	33 507	**325 477**	1 018	74 303	8 498	141 196	41 123	696 960

Table 24b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2004

Helicopter Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	**Training**	Agri-culture	Aerial Work	Test & Ferry	Regional Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/E	44	24 329	973	411	**977**	112	6 575	379	5 752	0	15 179
Bell	66	31 346	497	797	**3 296**	984	8 439	692	7 063	0	21 768
Hughes	12	5 665	88	41	**867**	0	1 203	133	1 256	0	3 588
Robinson	90	54 104	2 188	2 047	**16 535**	154	3 849	698	4 448	0	29 919
Schweizer	5	2 106	5	8	**965**	0	403	50	0	0	1 431
Other	16	8 581	109	155	**242**	842	651	72	1 471	0	3 542
Sub Total	233	126 131	3 860	3 459	**22 882**	2 092	21 120	2 024	19 990	0	75 427
Rotary Wing - Multi Engine											
Aerospatiale/E	23	12 661	70	220	**1 287**	0	5 014	28	6 383	0	13 002
Bell	18	7 485	0	5	**946**	0	5 273	158	2 037	0	8 419
Kawasaki	13	7 523	0	19	**708**	0	2 940	112	876	0	4 655
Sikorsky	13	5 274	205	9	**651**	0	804	37	3 437	0	5 143
Other	4	1 700	40	541	**71**	0	364	17	4	0	1 037
Sub Total	71	34 643	315	794	**3 663**	0	14 395	352	12 737	0	32 256
TOTAL	304	160 774	4 175	4 253	**26 545**	2 092	35 515	2 376	32 727	0	107 683

Table 24c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2004

Balloon Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	**Training**	Agri-culture	Aerial Work	Test & Ferry	Regional Charter	Regional Airline	TOTAL
Kavanagh	10	366	123	0	**121**	0	5	0	128	0	377
Other	1	37	15	0	**12**	0	0	0	0	0	27
TOTAL	11	403	138	0	**133**	0	5	0	128	0	404

AIRCRAFT PERFORMING AGRICULTURAL FLYING

Table 25a. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

Aircraft Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	**Agri-culture**	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
Air Parts	19	23 511	0	0	0	**4 305**	0	70	0	0	4 375
Air Tractor	83	50 698	18	300	0	**25 955**	21	91	0	0	26 385
Ayres	28	16 161	0	0	5	**9 356**	0	86	0	0	9 447
Cessna	79	35 855	242	1 034	156	**11 968**	2 213	336	83	0	16 032
Gippsland	9	8 226	0	0	0	**3 413**	0	0	0	0	3 413
Grumman	11	4 778	0	0	0	**1 949**	0	30	0	0	1 979
PZL	20	8 672	0	0	0	**3 350**	88	86	0	0	3 524
Piper	56	27 594	72	90	171	**10 367**	641	176	12	0	11 529
Rockwell	8	3 111	0	0	0	**1 331**	0	9	0	0	1 340
Transavia	7	4 503	0	0	0	**1 394**	0	2	0	0	1 396
Other	9	11 148	9	176	2	**1 615**	49	124	0	0	1 975
Sub Total	329	194 257	341	1 600	334	**75 003**	3 012	1 010	95	0	81 395
Fixed Wing - Multi Engine											
Sub Total	0	0	0	0	0	**0**	0	0	0	0	0
TOTAL	329	194 257	341	1 600	334	**75 003**	3 012	1 010	95	0	81 395

Table 25b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2004

Helicopter Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	**Agri-culture**	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Bell	25	18 178	72	34	491	**5 102**	973	434	907	0	8 013
Hiller	7	6 231	2	0	7	**1 806**	168	65	12	0	2 060
Robinson	18	13 661	193	152	41	**2 439**	2 036	250	2 032	0	7 143
Other	12	6 816	233	0	126	**2 139**	1 347	36	100	0	3 981
TOTAL	62	44 886	500	186	665	**11 486**	4 524	785	3 051	0	21 197

AIRCRAFT PERFORMING AERIAL WORK FLYING

Table 26a. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

Aircraft Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	**Aerial Work**	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
Air Tractor	9	4 511	0	0	0	452	**2 510**	1	0	0	2 963
Beechcraft	5	799	165	199	4	0	**190**	32	225	0	815
Bellanca/Champion	9	4 394	0	25	4	0	**1 800**	20	0	0	1 849
Cessna	410	133 429	10 344	8 556	21 085	627	**48 273**	1 435	12 391	1 045	103 756
IMCO	6	2 403	0	0	0	1	**474**	4	0	0	479
Pilatus	20	20 251	0	900	243	0	**18 875**	181	0	0	20 199
Piper	93	52 742	1 952	1 290	2 487	237	**10 672**	270	1 281	0	18 189
PZL	13	1 629	0	0	0	322	**817**	0	103	0	1 242
Amateur Built	5	443	345	31	1	0	**27**	11	0	0	415
Other	52	12 117	855	470	2 242	0	**7 309**	469	425	0	12 185
Sub Total	622	232 718	13 661	11 471	26 066	1 639	**90 947**	2 423	14 425	1 045	161 677
Fixed Wing - Multi Engine											
Aero Commander	13	5 474	37	9	148	0	**1 856**	146	1 119	782	4 097
Beechcraft	58	49 074	91	978	1 287	0	**41 501**	393	3 475	1 126	48 851
Britten Norman	12	7 599	26	0	254	0	**5 991**	162	411	3 449	10 293
Cessna	56	16 867	287	1 252	200	0	**8 505**	240	5 551	2 636	18 671
De Havilland	5	2 518	10	10	47	0	**6 092**	16	400	0	6 575
Partenavia	10	2 042	238	0	578	0	**797**	41	586	0	2 240
Piper	35	15 719	134	102	1 171	0	**5 246**	373	5 130	3 610	15 766
Other	14	3 772	10	153	186	0	**8 618**	114	1 038	0	10 119
Sub Total	203	103 065	833	2 504	3 871	0	**78 606**	1 485	17 710	11 603	116 612
TOTAL	825	335 783	14 494	13 975	29 937	1 639	**169 553**	3 908	32 135	12 648	278 289

Table 26b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2004

Helicopter Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	**Aerial Work**	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopter	61	31 507	554	349	891	202	**10 414**	459	6 265	0	19 134
Agusta	6	2 910	248	118	0	35	**927**	21	326	0	1 675
Bell	121	61 295	513	1 403	2 075	2 636	**19 702**	874	10 759	0	37 962
Hiller	5	5 764	2	17	7	1 432	**322**	65	98	0	1 943
Hughes	25	10 734	181	104	847	133	**3 464**	284	1 743	0	6 756
Kawasaki	21	13 137	58	128	63	0	**2 493**	176	2 194	0	5 112
McDonnell Douglas	9	5 898	0	112	58	0	**1 193**	45	1 268	0	2 676
Robinson	253	249 305	3 724	4 209	7 316	839	**85 946**	2 823	9 208	0	114 065
Schweizer	13	7 027	35	128	534	0	**2 193**	88	342	0	3 320
Amateur Built	1	97	125	0	0	0	**4**	3	0	0	132
Other	10	4 129	50	136	0	0	**1 097**	0	538	0	1 821
Sub Total	525	391 803	5 490	6 704	11 791	5 277	**127 755**	4 838	32 741	0	194 596
Rotary Wing - Multi Engine											
Aerospatiale/Eurocopter	13	6 163	0	0	573	0	**5 014**	15	51	0	5 653
Bell	12	5 912	0	5	720	0	**5 273**	154	0	0	6 152
Kawasaki	14	7 192	0	19	658	0	**3 270**	86	846	0	4 879
Sikorsky	6	1 127	205	9	135	0	**804**	7	18	0	1 178
Other	5	2 638	20	151	26	0	**749**	25	536	0	1 507
Sub Total	50	23 032	225	184	2 112	0	**15 110**	287	1 451	0	19 369
TOTAL	575	414 835	5 715	6 888	13 903	5 277	**142 865**	5 125	34 192	0	213 965

Table 26c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2004

Balloon Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	**Aerial Work**	Test & Ferry	Charter	Regional Airline	TOTAL
Other	3	48	44	0	41	0	**21**	0	0	0	106
TOTAL	3	48	44	0	41	0	**21**	0	0	0	106

AIRCRAFT PERFORMING CHARTER FLYING

Table 27a. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

Aircraft Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	**Charter**	Regional Airline	TOTAL
Fixed Wing - Single Engine											
Beechcraft	16	4 675	667	186	253	0	95	75	**3 243**	0	4 519
Cessna	408	225 111	10 590	3 143	27 834	167	7 987	1 551	**100 535**	2 813	154 620
De Havilland	39	20 081	335	62	1 017	0	3	100	**6 620**	0	8 137
Gippsland	8	6 229	137	51	90	0	70	57	**3 596**	0	4 001
Mooney	9	6 754	816	5	2 107	0	198	6	**717**	0	3 849
Piper	87	32 206	3 946	1 303	8 762	12	346	200	**10 023**	0	24 592
Other	28	6 822	631	413	588	0	26	57	**2 075**	0	3 790
Sub Total	595	301 878	17 122	5 163	40 651	179	8 725	2 046	**126 809**	2 813	203 508
Fixed Wing - Multi Engine											
Aero Commander	41	34 399	83	114	264	0	107	211	**23 576**	782	25 137
Beechcraft	124	53 302	779	842	3 350	0	1 687	483	**35 091**	3 029	45 261
British Aerospace	14	8 808	0	17	9	0	0	2	**11 424**	476	11 928
Britten Norman	25	18 234	82	43	110	0	26	306	**5 783**	4 324	10 674
Cessna	198	79 743	1 578	1 603	1 150	0	574	1 066	**55 288**	11 165	72 424
De Havilland	15	13 502	16	44	90	0	20	52	**7 838**	5 379	13 439
Embraer	17	11 930	0	68	185	0	0	33	**8 100**	4 242	12 628
Fairchild	40	31 611	0	51	382	0	0	214	**32 241**	4 138	37 026
Fokker	11	12 917	0	0	18	0	0	50	**4 451**	14 986	19 505
Gates Learjet	12	2 824	314	165	18	0	507	80	**2 427**	0	3 511
Israel Aircraft	9	3 688	0	0	0	0	0	0	**6 863**	0	6 863
Partenavia	26	9 045	321	244	993	0	454	73	**4 201**	466	6 752
Piper	213	90 307	1 269	872	3 152	0	2 953	696	**53 965**	12 341	75 248
Swearingen	6	2 384	0	30	31	0	11	5	**1 186**	734	1 997
Ted Smith	10	6 377	24	0	34	0	0	7	**3 790**	0	3 855
Other	30	21 745	17	917	121	0	10	39	**4 637**	13 050	18 791
Sub Total	791	400 816	4 483	5 010	9 907	0	6 349	3 317	**260 861**	75 112	365 039
TOTAL	1 386	702 694	21 605	10 173	50 558	179	15 074	5 363	**387 670**	77 925	568 547

Table 27b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2004

Helicopter Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	**Charter**	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopte	51	26 657	675	524	477	0	3 135	255	**9 928**	0	14 994
Agusta	7	3 983	20	46	0	0	588	12	**1 056**	0	1 722
Bell	150	74 614	822	1 351	1 720	1 703	9 648	1 038	**30 751**	0	47 033
Hughes	9	5 946	70	99	40	0	853	23	**1 743**	0	2 828
Kawasaki	20	12 959	36	379	60	0	1 579	171	**2 700**	0	4 925
McDonnell Douglas	10	6 254	20	112	78	320	766	0	**1 468**	0	2 764
Robinson	126	77 004	1 438	1 653	8 294	742	9 725	600	**20 950**	0	43 402
Other	17	8 203	50	297	2	172	1 751	11	**1 260**	0	3 543
Sub Total	390	215 620	3 131	4 461	10 671	2 937	28 045	2 110	**69 856**	0	121 211
Rotary Wing -Multi Engine											
Aerospatiale/Eurocopte	9	6 386	0	0	725	0	105	15	**6 383**	0	7 228
Bell	6	2 565	0	0	222	0	0	0	**2 705**	0	2 927
Kawasaki	10	4 838	0	13	306	0	816	65	**2 137**	0	3 337
Sikorsky	7	4 319	0	0	414	0	136	35	**3 437**	0	4 022
Other	4	1 933	20	366	15	0	354	6	**540**	0	1 301
Sub Total	36	20 041	20	379	1 682	0	1 411	121	**15 202**	0	18 815
TOTAL	426	235 661	3 151	4 840	12 353	2 937	29 456	2 231	**85 058**	0	140 026

Table 27c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2004

Balloon Make	No. of Aircraft	Landings	Hours flown								
			Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	**Charter**	Regional Airline	TOTAL
Cameron	13	278	34	0	0	0	0	0	**206**	0	240
Kavanagh	98	8 131	151	80	15	0	0	0	**6 946**	0	7 192
Thunder/ Colt	13	748	6	0	0	0	0	0	**702**	0	708
Other	8	920	30	0	0	0	0	0	**814**	0	844
TOTAL	132	10 077	221	80	15	0	0	0	**8 668**	0	8 984

AIRCRAFT PERFORMING REGIONAL AIRLINE FLYING

Table 28. Number of aircraft, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2004

			Hours flown								
Aircraft Make	No. of Aircraft	Landings	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	**Regional Airline**	TOTAL
Fixed Wing - Single Engine											
Cessna	9	10 582	0	0	81	0	3	64	2 758	**4 282**	7 188
Sub Total	9	10 582	0	0	81	0	3	64	2 758	**4 282**	7 188
Fixed Wing - Multi Engine											
Beechcraft	11	7 126	5	0	96	0	91	53	3 220	**3 518**	6 983
Bombardier	15	38 269	0	0	0	0	0	24	15	**42 667**	42 706
Britten Norman	6	7 381	33	0	49	0	10	91	349	**4 324**	4 856
Cessna	33	23 589	0	17	198	0	74	407	11 150	**12 921**	24 767
De Havilland	25	55 836	0	0	18	0	0	51	2 769	**55 774**	58 612
Embraer	14	12 181	0	0	122	0	0	33	3 529	**11 707**	15 391
Fairchild	29	39 023	0	0	160	0	0	77	6 167	**33 888**	40 292
Fokker	10	12 689	0	0	18	0	0	50	4 115	**14 986**	19 169
Piper	33	25 464	19	51	143	0	2 223	193	2 998	**14 332**	19 959
Saab	22	42 577	0	0	0	0	0	0	0	**43 282**	43 282
Other	13	17 991	3	0	159	0	79	133	1 306	**9 674**	11 354
Sub Total	211	282 126	60	68	963	0	2 477	1 112	35 618	**247 073**	287 371
TOTAL	220	292 708	60	68	1 044	0	2 480	1 176	38 376	**251 355**	294 559

SECTION F. ENGINE AND FUEL TYPE

Table 29. Number of aircraft, engines and hours flown in General Aviation and Regional Airline operations, by propulsion type and principal engine makes, 2004

Engine Type	Number of Aircraft	Number of Engines	Total Hours Flown ('000)
Reciprocating Engines			
Amateur Built Aircraft			
Ardem	5	5	0.3
Avtech	73	73	2.4
Bombardier Rotax	73	73	2.6
Continental	88	88	2.0
Lycoming	469	469	16.8
Revmaster	36	36	0.4
Rolls-Royce	10	10	0.1
Subaru	13	13	0.2
Volkswagen	29	29	0.3
Other	48	48	0.6
Sub Total	844	844	25.5
Fixed Wing Single Engine Aircraft			
Allison	5	5	0.1
Avtech	5	5	0.2
Blackburn	21	21	0.3
Bombardier Rotax	43	43	3.3
Bristol	9	9	0.5
Continental	2 513	2 513	275.4
De Havilland	387	387	7.2
Franklin	15	15	0.3
General Motors Holden	14	14	0.7
Jacobs	15	15	0.4
Lycoming	3 163	3 163	475.8
Packard	8	8	0.1
PZL	41	41	3.1
Pratt & Whitney	155	155	11.5
Rolls-Royce	18	18	0.2
Vedeney	35	35	1.1
Walter	7	7	0.1
Warner	7	7	0.1
Wright	19	19	0.4
Zhou Zhou Housai	26	26	1.0
Other	32	32	1.3
Sub Total	6 533	6 533	783.1
Fixed Wing Multi Engine Aircraft			
Continental	580	1,160	119.7
De Havilland	13	29	0.2
Lycoming	632	1,265	163.4
Pratt & Whitney	30	62	0.7
Wright	8	18	0.1
Other	8	17	0.1
Sub Total	1 271	2 551	284.1
Rotary Wing Single Engine Aircraft (Includes Amateur Built & Gyroplanes)			
Bombardier-Rotax	11	11	-
Lycoming	688	688	177.0
Rotorway	39	39	0.5
Other	8	8	0.6
Sub Total	746	746	178.1
Balloons and Airships			
Sub Total	1	1	0

continued

Table 29. continued

Engine Type		Number of Aircraft	Number of Engines	Total Hours Flown ('000)
Turbofan				
	Fixed Wing Multi Engine Aircraft			
	Garrett	31	64	13.1
	Lycoming	13	52	10.9
	Pratt and Whitney Canad	26	52	5.6
	Rolls-Royce	11	22	9.7
	Other	17	36	11.7
	Sub Total	87	204	41.2
	Fixed Wing Single Engine Aircraft			
	Sub Total	3	3	0.1
Turbojet				
	Fixed Wing Single Engine Aircraft			
	IL	5	5	-
	Klimov	8	8	0.1
	Rolls-Royce	17	17	0.3
	Other	12	12	-
	Sub Total	37	37	0.4
	Fixed Wing Multi Engine Aircraft			
	General Electric	5	10	0.6
	Other	7	14	3.5
	Sub Total	12	24	4.0
Turboprop				
	Fixed Wing Single Engine Aircraft			
	Allison	9	9	0.1
	Garrett	31	31	10.2
	Pratt and Whitney Canad	178	178	71.5
	Other	6	6	0.3
	Sub Total	224	224	82.1
	Fixed Wing Multi Engine Aircraft			
	Garrett	117	234	90.4
	General Electric	27	54	43.9
	Pratt and Whitney Canad	192	384	215.8
	Rolls-Royce	10	20	3.0
	Other	2	4	0.5
	Sub Total	348	696	353.6

continued

Table 29. continued

Engine Type	Number of Aircraft	Number of Engines	Total Hours Flown ('000)
Turboshaft (rotorcraft)			
Rotary Wing Single Engine Aircraft			
Allison	238	238	68.5
Lycoming	11	11	0.8
Turbomeca	95	95	23.1
Other	11	11	1.9
Sub Total	355	355	94.3
Rotary Wing Multi Engine Aircraft			
Allison	11	22	3.7
Lycoming	20	40	6.7
Pratt and Whitney Canad	25	50	9.3
Turbomeca	37	74	19.6
Sub Total	93	186	39.3
Rotary			
Amateur Built Fixed Wing Single Engine			
Sub Total	1	1	-
No Power			
Balloons	349	0	10.3
Sub Total	349	0	10.3
TOTAL	10 904	12 405	1 896.3

Table 30. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by propulsion fuel type, 2004

Fuel Type		Number of Aircraft	Total Hours Flown ('000)
Amateur Built			
	Diesel	1	0
	Gasoline	843	25.5
	Kerosene	4	0.2
	Sub Total	848	25.7
Fixed Wing Single Engine			
	Diesel	2	0.1
	Gasoline	6 532	783.0
	Kerosene	260	82.4
	Sub Total	6 794	865.6
Fixed Wing Multi Engine			
	Gasoline	1 271	284.1
	Kerosene	447	398.8
	Sub Total	1 718	682.9
Rotary Wing Amateur Built			
	Gasoline	59	0.6
	Kerosene	2	-
	Sub Total	61	0.6
Rotary Wing Single Engine			
	Gasoline	688	177.6
	Kerosene	352	94.3
	Sub Total	1 040	271.8
Rotary Wing Multi Engine			
	Gasoline	1	0.3
	Kerosene	92	39.0
	Sub Total	93	39.3
Balloons & Airships			
	None	350	10.3
	Gasoline	0	0
	Sub Total	350	10.3
TOTAL		10 904	1 896.3

SECTION G. COUNTRY OF MANUFACTURE

Table 31. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by country of manufacture, 2004

Country	Number of Aircraft	Total Hours Flown ('000)
Fixed Wing Single Engine [a]		
Australia	1 259	48.0
Austria	6	0.5
Canada	46	8.6
China	26	1.0
Czechoslovakia	14	0.5
France	111	20.8
Germany	64	28.4
Italy	20	0.3
Japan	13	0.4
New Zealand	110	24.5
Poland	56	4.6
Romania	5	0.2
Russia	38	1.0
Switzerland	25	20.9
United Kingdom	315	4.6
United States	5 530	727.2
Other	4	-
Sub Total	7 642	891.3
Fixed Wing Multi Engine		
Australia	13	0.7
Brazil	26	20.4
Canada	62	117.9
France	10	4.3
Holland	16	20.1
Israel	9	6.9
Italy	45	9.6
Sweden	27	43.9
United Kingdom	80	37.3
United States	1 423	420.4
Other	7	1.5
Sub Total	1 718	682.9
Rotary Wing Single Engine [a]		
Australia	61	0.6
Canada	17	4.6
France	101	25.7
Italy	16	2.9
Japan	41	6.6
United Kingdom	5	0.5
United States	860	231.4
Other	0	0
Sub Total	1 101	272.4

continued

Table 31. continued

Country	Number of Aircraft	Total Hours Flown ('000)
Rotary Wing Multi Engine		
France	23	12.9
Italy	10	2.0
Japan	19	6.2
United States	37	16.4
Other	4	1.8
Sub Total	93	39.3
Balloons and Airships		
Australia	231	8.3
United Kingdom	95	1.7
United States	22	0.3
Other	2	0
Sub Total	350	10.3
TOTAL	10 904	1 896.3

(a) Includes Amateur Built aircraft.

SECTION H. AGE OF AIRCRAFT

Table 32. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by age [a] of aircraft, 2004

Category	Age (years)	Number of Aircraft	Total Hours Flown ('000)
Amateur Built			
	New this year	68	0.9
	1-5	308	11.4
	6-10	158	6.1
	11-15	101	2.9
	16-20	80	1.9
	21-25	63	1.3
	26-30	40	0.6
	31-35	19	0.6
	36-40	7	0.1
	Over 40	4	-
	Sub Total	848	25.7
Fixed Wing Single Engine			
	New this year	46	5.4
	1-5	200	63.7
	6-10	269	78.3
	11-15	181	43.8
	16-20	159	22.4
	21-25	979	185.0
	26-30	1 861	275.8
	31-35	551	63.8
	36-40	1 095	73.8
	Over 40	1 453	53.4
	Sub Total	6 794	865.6
Fixed Wing Multi Engine			
	New this year	17	17.3
	1-5	49	54.2
	6-10	64	68.2
	11-15	94	111.3
	16-20	84	65.6
	21-25	400	157.2
	26-30	493	134.3
	31-35	246	49.1
	36-40	170	21.2
	Over 40	101	4.6
	Sub Total	1 718	682.9

continued

Table 32. continued

Category	Age (years)	Number of Aircraft	Total Hours Flown ('000)
Rotary Wing Amateur Built			
	New this year	3	-
	1-5	37	0.5
	6-10	16	0.1
	11-15	5	0.1
	Sub Total	61	0.6
Rotary Wing Single Engine			
	New this year	58	7.4
	1-5	187	54.3
	6-10	97	27.4
	11-15	179	65.7
	16-20	101	25.7
	21-25	150	40.8
	26-30	72	17.4
	31-35	99	17.8
	36-40	68	11.7
	Over 40	28	3.6
	Sub Total	1 040	271.8
Rotary Wing Multi Engine			
	New this year	2	0.1
	1-5	11	4.7
	6-10	11	6.0
	11-15	27	11.3
	16-20	7	4.1
	21-25	31	12.1
	26-30	3	1.1
	31-35	1	-
	Sub Total	93	39.3
Balloons and Airshps			
	New this year	19	0.7
	1-5	94	5.7
	6-10	84	2.1
	11-15	49	1.0
	16-20	73	0.6
	21-25	18	0.1
	26-30	13	0.1
	Sub Total	350	10.3
TOTAL		10 904	1 896.3

(a) Calculated by subtracting year of manufacture from the current year.

SECTION I. FREQUENCY DISTRIBUTION

Table 33. Frequency distribution of aircraft in General Aviation and Regional Airline operations, by aircraft category and total hours flown, years ended 31 December 1994, 2003 and 2004

Category	Total Hours Flown	Number of Aircraft		
		1994	At Dec 2003 [a]	At Dec 2004 [a]
Amateur Built				
	0	100	263	292
	1-10	58	85	89
	11-20	62	72	82
	21-30	57	64	76
	31-40	35	93	89
	41-50	15	45	44
	51-60	14	27	34
	61-70	17	36	28
	71-80	5	20	25
	81-90	3	16	16
	91-100	10	25	22
	101-110	1	9	17
	111-120	6	5	4
	121-130	4	4	6
	131-140	2	7	4
	141-150	1	1	1
	151-160	3	4	5
	161-170	1	1	0
	171-180	0	1	0
	181-190	2	2	3
	191-200	0	4	4
	201-250	1	3	4
	251-300	0	2	3
	301-350	1	0	0
	Sub Total	398	789	848
Fixed Wing Single Engine				
	0	632	1 118	1 099
	1-10	407	493	514
	11-20	426	421	436
	21-30	332	411	421
	31-40	493	620	639
	41-50	300	344	350
	51-60	270	240	270
	61-70	229	234	233
	71-80	229	224	200
	81-90	194	195	193
	91-100	204	209	231
	101-110	154	152	156
	111-120	139	116	122
	121-130	108	97	105
	131-140	95	55	88
	141-150	99	108	82
	151-160	89	47	54
	161-170	96	71	66
	171-180	76	76	63
	181-190	63	45	47
	191-200	72	83	77

continued

Table 33. continued

Category	Total Hours Flown	1994	Number of Aircraft At Dec 2003 [a]	Number of Aircraft At Dec 2004 [a]
Fixed Wing Single Engine				
	201-250	281	245	260
	251-300	236	175	167
	301-350	182	154	161
	351-400	154	136	140
	401-450	138	102	115
	451-500	125	90	94
	501-600	173	156	133
	601-700	130	97	121
	701-800	84	81	68
	801-900	31	59	29
	901-1 000	18	26	18
	1 001-1 500	45	40	37
	1 501-2 000	3	7	4
	Over 2 000	4	0	1
	Sub Total	6 311	6 727	6 794
Fixed Wing Multi Engine				
	0	153	212	227
	1-10	47	55	59
	11-20	46	53	54
	21-30	36	38	47
	31-40	41	53	42
	41-50	36	39	43
	51-60	38	43	57
	61-70	40	33	41
	71-80	46	38	33
	81-90	52	44	34
	91-100	51	32	41
	101-110	29	29	29
	111-120	29	37	33
	121-130	35	15	27
	131-140	18	16	21
	141-150	23	28	17
	151-160	26	21	11
	161-170	41	25	17
	171-180	21	57	27
	181-190	17	25	63
	191-200	10	29	19
	201-250	100	85	89
	251-300	77	94	61
	301-350	92	56	59
	351-400	74	48	59
	401-450	66	50	37
	451-500	46	46	38

continued

Table 33. continued

Category	Total Hours Flown	1994	Number of Aircraft At Dec 2003 [(a)]	Number of Aircraft At Dec 2004 [(a)]
Fixed Wing Multi Engine (cont'd)				
	501-600	103	69	66
	601-700	81	36	50
	701-800	58	40	40
	801-900	37	33	37
	901-1 000	30	31	41
	1 001-1 500	65	89	104
	1 501-2 000	33	38	41
	Over 2 000	39	59	54
	Sub Total	1 736	1 696	1 718
Rotary Wing Amateur Built				
	0	3	34	39
	1-10	2	7	6
	11-20	1	5	4
	21-30	0	6	6
	31-40	0	4	2
	41-50	0	1	0
	51-60	0	0	1
	61-70	0	2	1
	71-80	0	1	1
	81-90	0	1	0
	131-140	0	0	1
	161-170	1	0	0
	171-180	1	0	0
	Sub Total	8	61	61
Rotary Wing Single Engine				
	0	82	174	177
	1-10	5	28	29
	11-20	13	16	24
	21-30	12	18	19
	31-40	7	17	19
	41-50	8	12	17
	51-60	12	12	12
	61-70	12	15	12
	71-80	8	19	23
	81-90	4	13	13
	91-100	16	24	17
	101-110	5	7	19
	111-120	9	12	14
	121-130	8	12	11
	131-140	7	10	5
	141-150	7	10	18
	151-160	17	14	17
	161-170	11	17	7
	171-180	5	7	12
	181-190	6	7	7
	191-200	9	10	19

continued

Table 33. continued

Category	Total Hours Flown	Number of Aircraft	Number of Aircraft	Number of Aircraft
		1994	At Dec 2003 [a]	At Dec 2004 [a]
Rotary Wing Single Engine (cont'd)				
	201-250	33	34	132
	251-300	72	163	88
	301-350	31	37	43
	351-400	18	50	43
	401-450	29	27	44
	451-500	17	44	31
	501-600	31	54	54
	601-700	32	37	34
	701-800	20	21	29
	801-900	17	16	20
	901-1 000	11	22	14
	1 001-1 500	27	14	16
	1 501-2 000	3	0	1
	Sub Total	604	973	1 040
Rotary Wing Multi Engine				
	0	3	4	2
	1-10	0	3	1
	11-20	0	1	1
	21-30	1	1	1
	31-40	2	1	1
	41-50	1	1	0
	51-60	3	1	1
	61-70	2	1	1
	71-80	3	0	1
	81-90	0	1	1
	91-100	1	0	2
	101-110	0	1	1
	111-120	0	1	0
	131-140	0	2	2
	141-150	1	2	1
	151-160	1	0	2
	161-170	0	0	1
	171-180	0	0	1
	181-190	0	0	2
	191-200	3	0	2
	201-250	7	8	6
	251-300	10	8	9
	301-350	5	3	8
	351-400	7	4	9
	401-450	1	15	2
	451-500	5	3	1
	501-600	9	4	4
	601-700	5	8	15
	701-800	6	4	7
	801-900	2	3	3
	901-1 000	2	2	2
	1 001-1 500	7	5	3
	Sub Total	87	87	93

continued

Table 33. continued

Category	Total Hours Flown	Number of Aircraft	Number of Aircraft
		1994	At Dec 2003 [(a)]	At Dec 2004 [(a)]
Balloons and airships				
	0	51	126	127
	1-10	25	46	55
	11-20	45	30	38
	21-30	15	17	17
	31-40	34	17	13
	41-50	13	29	29
	51-60	6	15	14
	61-70	10	5	9
	71-80	9	10	8
	81-90	4	10	7
	91-100	2	10	3
	101-110	5	3	5
	111-120	1	3	5
	121-130	0	2	5
	131-140	0	2	0
	141-150	2	4	2
	151-160	1	0	5
	161-170	0	1	2
	171-180	0	3	1
	181-190	0	1	3
	191-200	0	1	1
	201-250	1	2	0
	251-300	1	1	0
	301-350	0	0	1
	351-400	2	0	0
	Sub Total	227	338	350
TOTAL		9 371	10 671	10 904

(a) Up to 1999, number of aircraft shown is the unduplicated total of aircraft covered by the two component six-monthly surveys. These earlier statistics are not directly comparable with results for 2000 and later, as the annual survey covers aircraft registered at the end of December only.

SECTION J. REGULAR PUBLIC TRANSPORT HOURS FLOWN

Table 34. Hours flown in Regular Public Transport (RPT) operations by industry sector, 1994 to 2004 ('000 hours)

Year	RPT Operation Type			
	Major Australian Airlines		Regional Airlines	TOTAL
	Domestic operations	International operations		
1994	398.3	202.1	238.3	838.7
1995	437.8	218.7	243.1	899.6
1996	454.4	237.9	246.2	938.5
1997	445.6	251.9	272.4	969.8
1998	439.8	245.2	273.2	958.2
1999	442.3	244.0	277.3	963.5
2000	463.1	275.3	335.7	1 074.2
2001	457.7	288.6	298.0	1 044.3
2002	414.3	261.6	250.1	926.0
2003	456.0	261.6	234.7	952.3
2004	513.0	302.0	251.4	1 066.4

Table 35. Hours flown in Regional Airline operations by State or Territory [(a)], 1999 to 2004 ('000 hours)

State or Territory	1999	2000	2001	2002	2003	2004
NSW	115.8	128.6	115.6	122.6	116.5	123.5
VIC	30.1	36.6	31.4	14.5	3.1	5.2
QLD	64.3	84.7	75.9	65.4	66.9	72.3
SA	24.0	31.2	27.9	15.9	14.6	11.1
WA	15.3	20.8	17.2	14.7	15.9	21.6
TAS	9.4	9.2	8.5	1.3	2.3	3.7
NT	18.4	24.6	21.5	15.8	14.2	12.7
ACT	0.0	0.0	0.0	0.0	1.1	1.2
AUSTRALIA	277.3	335.7	298.0	250.1	234.7	251.4

(a) Refers to location of home base of aircraft.

Table 36. Hours flown in Regional Airline operations by principal aircraft makes,1999 to 2004 ('000 hours)

Aircraft Make	1999	2000	2001	2002	2003	2004
Fixed Wing - Single Engine						
Cessna	2.0	2.1	..	..	5.0	4.3
Other	0.9	0.3	1.6	3.4	0.0	0.0
Sub Total	2.8	2.4	1.6	3.4	5.0	4.3
Fixed Wing - Multi Engine						
Beechcraft	35.1	33.3	27.1	11.1	4.8	3.5
Bombardier	0.0	0.0	0.0	0.0	0.0	42.7
British Aerospace	17.3	20.4	20.1	15.6	..	..
Britten Norman	..	4.0	1.9	2.4	3.0	4.3
Canadair	..	11.7	19.5	0.0	0.0	0.0
Cessna	15.9	16.8	12.8	11.8	12.5	12.9
De Havilland	45.7	62.6	65.1	83.8	90.5	55.8
Embraer	28.2	38.7	31.8	13.3	9.5	11.7
Fairchild	24.8	23.7	20.5	29.8	31.5	33.9
Fokker	17.3	21.5	19.8	13.9	13.0	15.0
Piper	29.4	33.3	20.2	15.0	12.2	14.3
Saab	48.5	58.0	47.3	44.0	40.8	43.3
Shorts	7.4	7.8	6.7	..	..	..
Other	5.0	1.6	3.6	6.1	11.8	9.7
Sub Total	274.4	333.3	296.4	246.7	229.6	247.1
Rotary Wing - Helicopters						
Sub Total	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL ALL AIRCRAFT	277.3	335.7	298.0	250.1	234.7	251.4

SECTION K. ULTRALIGHT AIRCRAFT
All statistics courtesy of the Ultralight Federation.

Table 37. Hours flown [(a)] in ultralight operations, by State and category of aircraft, 2004

State or Territory	Uncertified	Type Approved Aircraft								TOTAL
	Uncertified Aircraft CAO 95.10	Commercially-manufactured CAO 95.25	CAO 95.55	CAO 101.55	Amateur-built CAO 95.55	CAO 101.28	Weight Shift (Powered Parachutes) CAO 95.32	(Trikes) CAO 95.32	Sub-total	
NSW	922	5 454	2 859	6 931	5 223	732	293	498	21 990	22 912
VIC	1 367	1 553	3 542	4 949	3 097	1 004	980	553	15 678	17 045
QLD	2 558	7 453	4 423	6 562	6 186	727	77	677	26 105	28 663
SA	642	920	227	3 030	2 819	813	160	208	8 177	8 819
WA	436	366	167	449	1 542	200	12	114	2 850	3 286
TAS	110	1 131	401	2 536	254	145	10	60	4 537	4 647
NT	88	326	-	345	65	-	31	31	798	886
ACT	6	43	290	40	335	46	43	-	797	803
Unknown	-	-			31	6	-	-	37	37
AUSTRALIA	6 129	17 246	11 909	24 842	19 552	3 673	1 606	2 141	80 969	87 098

(a) Covers hours flown during the previous 12 months at time of annual renewal of each aircraft's registration. Training and private flying are the only approved uses of ultralight aircraft

Table 38. Hours flown ('000) [(a)] in ultralight operations, by category of aircraft, 1994 to 2004

Year	Uncertified	Type Approved Aircraft								TOTAL
	Uncertified Aircraft CAO 95.10	Commercially-manufactured CAO 95.25	CAO 95.55	CAO 101.55	Amateur-built CAO 95.55	CAO 101.28	Weight Shift (Powered Parachutes) CAO 95.32	(Trikes) CAO 95.32	Sub-total	
1994	11.2	36.4	-	21.6	..	1.8	1.4	0.5	61.8	73.0
1995	11.4	31.1	-	24.8	..	2.9	1.4	0.4	60.6	72.0
1996	11.3	29.4	-	25.1	..	3.0	1.3	0.4	59.2	70.5
1997	10.3	30.5	-	27.7	..	4.6	1.2	0.9	64.9	75.1
1998	7.4	21.5	-	30.8	-	5.3	1.3	1.0	60.2	67.6
1999	8.5	23.7	0.1	31.5	2.2	5.6	1.3	1.0	65.5	73.9
2000	8.4	20.0	1.5	29.0	7.0	6.1	1.0	1.1	65.6	74.1
2001	8.0	20.2	3.3	26.6	11.0	5.1	1.0	1.2	68.4	76.5
2002	7.4	20.3	5.4	25.7	14.7	4.5	1.0	1.6	73.2	80.6
2003	6.5	18.3	8.6	25.8	17.7	3.9	1.4	2.3	78.0	84.5
2004	6.1	17.2	11.9	24.8	19.6	3.7	1.6	2.1	81.0	87.1

(a) Covers hours flown during the previous 12 months at time of annual renewal of each aircraft's registration. Training and private flying are the only approved uses of ultralight aircraft.

Table 39. Number of ultralight aircraft and hours flown by principal aircraft makes, 2004

Aircraft Make	Number of Aircraft	Hours Flown
Uncertified Aircraft		
Uncertified Aircraft (CAO 95.10)	327	6 129
Type Approved Aircraft		
Commercially-manufactured Aircraft (CAO 95.25)		
Austflight ULA	86	5 778
Australian Light Wing	75	4 513
Facet	18	765
Skywise	10	53
Thruster	128	6 032
Other	5	105
Sub Total	322	17 246
Commercially-manufactured Aircraft (CAO 95.55)		
Evektor	7	125
Fantasy Air	5	125
Flight Design	5	600
Micro Aviation	18	557
Pipistrel	11	473
Skyfox	54	7 385
Slepcev	13	224
TI Ultralight	7	301
Tecnam	21	1 566
Other	23	553
Sub Total	164	11 909
Commercially-manufactured Aircraft (CAO 101.55)		
Austflight ULA	30	1 754
Australian Light Wing	13	1 963
Eipper	9	62
Jabiru	114	14 959
Skyfox	58	5 903
Other	2	201
Sub Total	226	24 842
Amateur-built Aircraft (CAO 95.55)		
Aero Sport	7	236
Atec	8	445
Australian Light Wing	5	193
Avid	9	239
Cadet	8	279
Corby	6	232
Eipper	6	13
Evans	8	250
Fisher	10	266
Foxcon	17	331
ICP	18	500
Jabiru	153	5 438
Jodel	11	419
Karatoo	8	245
Maxair	6	203
Monnett	8	245

continued

Table 39. continued

Aircraft Make	Number of Aircraft	Hours Flown
Amateur-built Aircraft (CAO 95.55) - coninued		
Murphy	7	130
Parker	5	6
Pietenpol	5	41
Pioneer	8	365
Quad City	10	160
RANS	21	797
Rand Kar	45	993
SG Aviation	7	343
Sapphire	9	213
Slepcev	15	565
Spectrum	5	120
Supermarine	5	221
Wayne Fisher	6	139
Zenair	41	1 886
Other	143	4 039
Sub Total	620	19 552
Amateur-built Aircraft (CAO 101.28)		
Australian Light Wing	8	194
Corby	6	95
Denney	5	155
Eipper	6	191
Evans	6	72
Jabiru	13	851
Monnett	5	159
RANS	17	546
SkyStar	8	273
Other	46	1 137
Sub Total	120	3 673
Weight Shift Aircraft (CAO 95.32)		
Powered Parachutes		
Aerochute	102	1 548
Powerchute	7	58
Trikes		
Airborne Windsports	70	1 454
Solar Wings	10	274
Other	13	413
Sub Total	202	3 747
Type Approved Aircraft Total	1 654	80 969
TOTAL ALL AIRCRAFT	1 981	87 098

SECTION L. GLIDING ACTIVITY

Table 40. Hours flown and launches in gliding operations, by State, 2004

State or Territory	Hours Flown			Launches		
	Club	Private	Total	Club	Private	Total
NSW/ACT						
VIC/TAS						
QLD		Data not available				
SA/NT						
WA						
AUSTRALIA						

Table 41. Number of aircraft, hours flown and launches in gliding operations, 1994 to 2004

Year	Number of Aircraft [a]	Hours Flown ('000) [b]			Launches ('000) [b]		
		Club	Private	Total	Club	Private	Total
1994	1 026	53.0	27.1	80.1	98.2	14.5	112.7
1995	1 025	48.4	27.5	75.9	86.2	14.6	100.8
1996	1 057	47.6	21.6	69.2	86.6	11.0	97.5
1997	1 059	46.5	22.4	68.9	78.1	10.9	89.0
1998	1 056	45.8	19.6	65.4	78.4	9.6	88.0
1999	1 051	39.0	24.8	63.9	74.8	14.8	89.6
2000	1 056	..	..	..	..	..	..
2001	1 059	..	..	..	..	..	..
2002	1 083	..	..	..	..	..	..
2003	1 084	..	..	..	..	..	..
2004	1 095	..	..	..	..	..	..

(a) At 30 June.
(b) Year ended 30 April.

SECTION M. HANG GLIDING
All statistics courtesy of the Gliding Federation of Australia.

Table 42. Hours flown ('000) in hang gliding operations, by State and category of aircraft, 2004 (a)

State or Territory	Hang Gliders	Paragliders	Weightshift Microlights (Powered Hang Gliders)	TOTAL
NSW	21 367	18 496	13 965	53 828
VIC	8 590	14 852	6 275	29 717
QLD	12 079	11 309	2 597	25 985
SA/NT	2 527	1 229	2 844	6 600
WA	2 845	4 167	4 412	11 424
TAS	511	686	113	1 310
ACT	798	2 132	164	3 094
AUSTRALIA	48 717	52 871	30 370	131 958

(a) Covers year ended 30 June.

Table 43. Number of aircraft and hours flown ('000) in hang gliding operations, by category of aircraft, 1994 to 2004 (a)

	Hang Gliders		Paragliders		Microlights (Powered Hang Gliders)		TOTAL	
	No. of Aircraft	Hours Flown	No. of Aircraft	Hours Flown	No. of Aircraft	Hours Flown	No. of Aircraft	Hours Flown
1994	2 020	50.2	565	9.3	255	18.0	2 840	77.6
1995	2 045	49.2	657	12.3	320	24.9	3 022	86.4
1996	2 110	56.5	720	18.3	259	28.4	3 089	103.2
1997	2 100	57.3	890	17.3	270	27.7	3 260	102.3
1998	1 850	50.9	980	15.1	353	21.4	3 183	87.5
1999	1 845	50.4	1 042	24.2	376	30.0	3 263	104.6
2000	1 887	50.9	1 067	24.8	392	31.0	3 346	106.7
2001	1 864	53.4	1 121	32.2	397	34.4	3 382	120.0
2002	1 540	48.0	1 334	37.4	467	36.8	3 341	122.2
2003	1 590	48.8	1 326	44.8	477	31.1	3 393	124.7
2004	1 555	48.7	1 472	52.9	557	30.4	3 584	132.0

(a) Covers years ended 30 June.

SECTION N. GYROPLANES
All statistics courtesy of the Australian Sport Rotorcraft Australia

Table 44. Number of aircraft and hours flown in gyroplane operations, 1994 to 2004

Year	Number of Aircraft [a]	Hours Flown [b]					
		Private	Dual Training	Gyro Glider Training	Mustering	Search & Rescue	TOTAL
1994	226	11 112	3 619	317	-	-	15 048
1995	269	13 200	945	125	-	85	14 355
1996	385	20 577	2 377	271	-	82	23 307
1997	394	20 244	2 059	1 007	-	9	23 319
1998	394	31 192	1 895	354	-	-	33 441
1999	432	25 172	5 069	193	-	-	30 434
2000	487	26 766	2 858	105	-	-	29 729
2001	..	32 961	3 863	122	-	4	36 950
2002	..	30 043	2 152	117	-	13	32 325
2003	..	25 101	2 887	324	-	28	28 340
2004	..	26 523	2 446	310	-	-	29 279

(a) At 30 June.
(b) Covers year ended 30 June.

EXPLANATORY NOTES

INTRODUCTION

1. The annual *General Aviation* statistical publication provides data on the size of the aviation industry sectors in Australia, with the major focus being on General Aviation operations. General Aviation, for the purposes of this publication, is defined as all non-scheduled flying activity in aircraft allocated a VH- registration by the Civil Aviation Safety Authority, except for that performed by the major airlines, but including non-scheduled flying by the regional airlines.

2. The other sectors of the industry for which data is included in this publication are:

(a) regional airlines, which operate regular public transport services using low capacity aircraft (currently defined as aircraft with 38 seats or less, or with a payload of 4,200 kgs or less);

(b) the major Australian airlines, which operate regular public transport services using high capacity aircraft;

(c) sailplanes (powered and unpowered) registered with the Gliding Federation of Australia;

(d) ultralight aircraft registered with Recreational Aviation Australia;

(e) hang gliders registered with the Hang Gliding Federation of Australia; and

(f) gyroplanes registered with the Australian Sport Rotorcraft Association.

3. The statistics exclude any other unregistered or foreign-registered aircraft operating in Australia.

DATA SOURCES

4. The data presented in this publication for hours flown and landings in the General Aviation and Regional Airline sectors have been compiled from statistical returns collected under the authority of Air Navigation Regulation 12.

5. A survey covering the calendar year was dispatched to all aircraft owners listed on the Australian Aircraft Register other than for those aircraft operated by the major airlines.

6. Survey returns are generally received for approximately 70 per cent of aircraft on the register. Estimates are made for aircraft for which returns had not been received at the time of publication. Because of the inclusion of estimates, and consequent reduction of accuracy, figures are rounded to the nearest hundred. Statistics by individual aircraft types are shown only when five or more aircraft of the type contribute to the data.

7. All other data items for these aircraft have been extracted from the Civil Aviation Safety Authority's Aircraft Register Information System.

8. Statistics covering gliders, ultralight aircraft, hang gliders and gyroplanes have been supplied courtesy of the Gliding Federation of Australia, Recreational Aviation Australia, the Hang Gliding Federation of Australia and the Australian Sport Rotorcraft Association, respectively.

9. Statistics relating to the major (domestic and international) airlines were compiled from returns supplied by the airlines on a regular basis.

PRODUCTION AND INTERPRETATION

10. In Tables 10 and 11, landings includes touch-and-go landings.

11. Where figures have been rounded, discrepancies may occur between sums of component items and totals.

DEFINITIONS

12. The following terms have been used in this publication -

(a) Aerial Work: Includes all aerial survey and photography, spotting, aerial stock mustering, search and rescue, ambulance, towing (including glider, target and banner towing) and other aerial work (including advertising, cloud seeding, fire fighting, parachute dropping, and coastal surveillance).

(b) Agriculture: Operations involving the carriage and/or spreading of chemicals, seed, fertiliser or other substances for agricultural purposes, including operations for the purpose of pest and disease control.

(c) Business: Flying by the aircraft owner, his employees or the hirer of the aircraft for business or professional reasons, but not directly for hire or reward.

(d) Charter: Carriage of cargo or passengers on non-scheduled operations by the aircraft owner or his employees for hire or reward.

(e) General Aviation Operations: All non-scheduled (non RPT) flying activities other than flying activities performed by major airlines.

(f) Hours Flown: Flying time performed, measured on a wheels start to wheels stop basis.

(g) Major Australian Airlines: Scheduled (RPT) services operated by Australian-registered airlines whose fleets include high capacity aircraft. Includes operations on international services.

(h) Movement: A landing or a take-off.

(i) Non-RPT Airline Operations: All operations by aircraft of the major Australian airlines, other than in scheduled RPT services.

(j) Private: Flying for private pleasure, sport or recreation.

(k) Regional Airline: Scheduled (RPT) services performed within Australia by operators whose fleets consist of low capacity aircraft only (38 seats or less, or with a payload of up to 4,200 kgs).

(l) Regular Public Transport (RPT): Scheduled airline services available to the public for carriage of passengers or cargo, including domestic, regional and international airline operations.

(m) Test and Ferry: Flying associated with the testing of an aircraft or with its delivery or movement to another location for maintenance, hire or other planned use.

(n) Training: Flying under instruction for the issue or renewal of a licence or rating or for conversion training or aircraft or type endorsement. This includes solo navigation exercises conducted as part of courses of applied flying training.

(o) Other: Represents a culmination of the remaining makes and models in that category. The diminutive values for each make and model have been combined to demonstrate a full representation of that category.

SYMBOLS AND OTHER USAGES

p Preliminary - figure or series subject to revision.

\- Greater than zero but less than 50.

.. Not available for confidentiality or other reasons.

No. Number

GA General Aviation

RPT Regular Public Transport

AVIATION STATISTICS publications produced:

All of these publications are now available only in electronic format, and can be downloaded free of charge from the Department's web site at www.btre.gov.au. Hard copy editions are no longer produced.

Airport Traffic Data
Produced: Financial years.
Contents: Time series of airport activity for the international, domestic and regional RPT sectors.

Australian Air Distances
Produced: As required.
Contents: Air distances covering routes operated on commercial services.

Australian Domestic Airline Activity
Produced: Monthly, calendar and financial years.
Contents: Provisional data of major Australian airlines operating over Australian flight stages; carrier and industry totals; city pair data; commentary on industry and events.

Digest of Statistics
Produced: Calendar and financial years.
Contents: Summary and time series statistics of the Australian aviation industry.

General Aviation
Produced: Calendar years.
Contents: General Aviation flying activity; hours flown and landings by category of operation and aircraft type; numbers of aircraft by type; commentary on the GA industry.

International Airlines
Produced: Calendar and financial years.
Contents: International air traffic; operator data; city pair data; industry analysis.

International Airlines: Monthly
Produced: Monthly.
Contents: International air traffic; operator data; city pair data; industry analysis.

On Time Performance
Produced: Monthly, calendar and financial years.
Contents: Domestic airline on time performance by airline, route and airport.

For copies of any of these publication contact: Head, Aviation Statistics Section
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