BUREAU OF TRANSPORT AND REGIONAL ECONOMICS

general aviation 2003

AVIATION STATISTICS

GA 2003

ISSN 1320-3274

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SIGNIFICANT FEATURES OF THE DATA

OVERVIEW

During the year ended 31 December 2003 general aviation and regional airline activity recorded a decline in hours flown by Australian VH- registered aircraft of 3.0 per cent compared to the year ended 31 December 2002. Hours flown totalled 1,880,600, with 2,980,400 landings.

General Aviation flying continued to show a decrease in activity in 2003, with a drop in flying hours of 2.5 per cent.

Flying training recorded the largest increase in activity, with a rise of 2.3 per cent over 2002. Business flying also saw a small increase of 0.8 per cent in flying hours.

Private flying hours declined by 11.3 per cent in 2003, the largest decrease of all categories. Charter hours fell by 3.7 per cent, while aerial work and aerial agriculture flying decreased by 1.4 per cent and 1.5 per cent respectively.

Regional airline flying recorded a decrease in flying hours of 6.2 per cent over the 2002 calendar year.

Figure 1 shows the movement in hours flown and landings between 1993 and 2003.

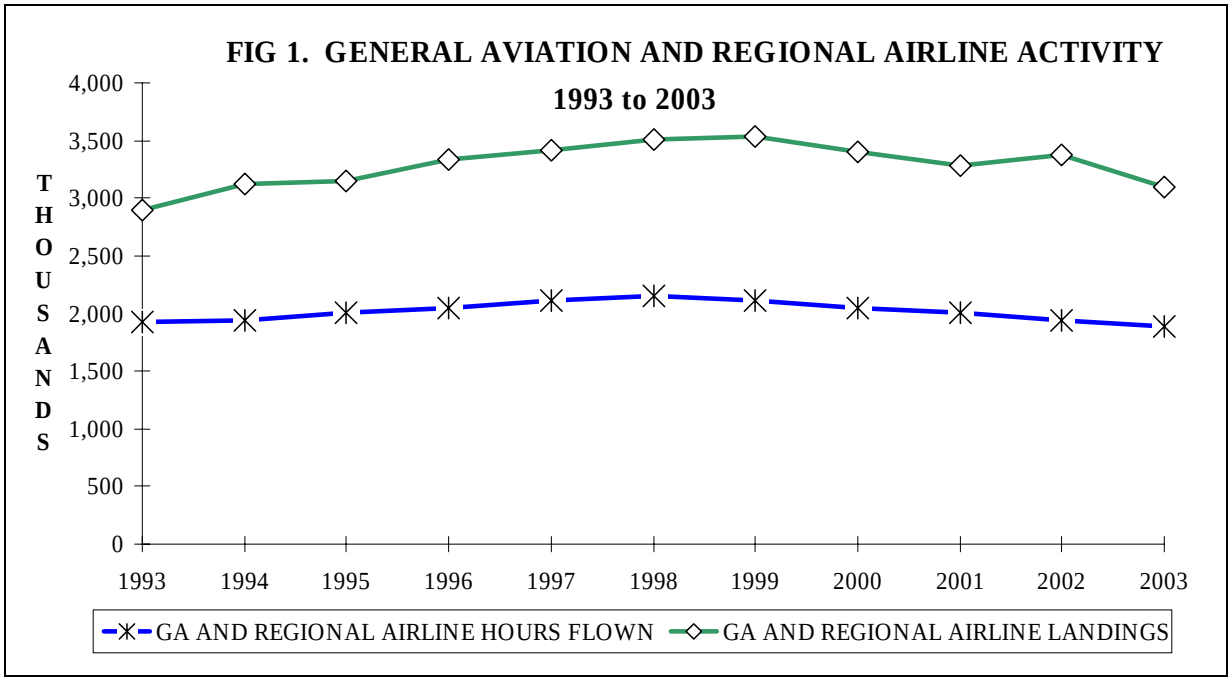
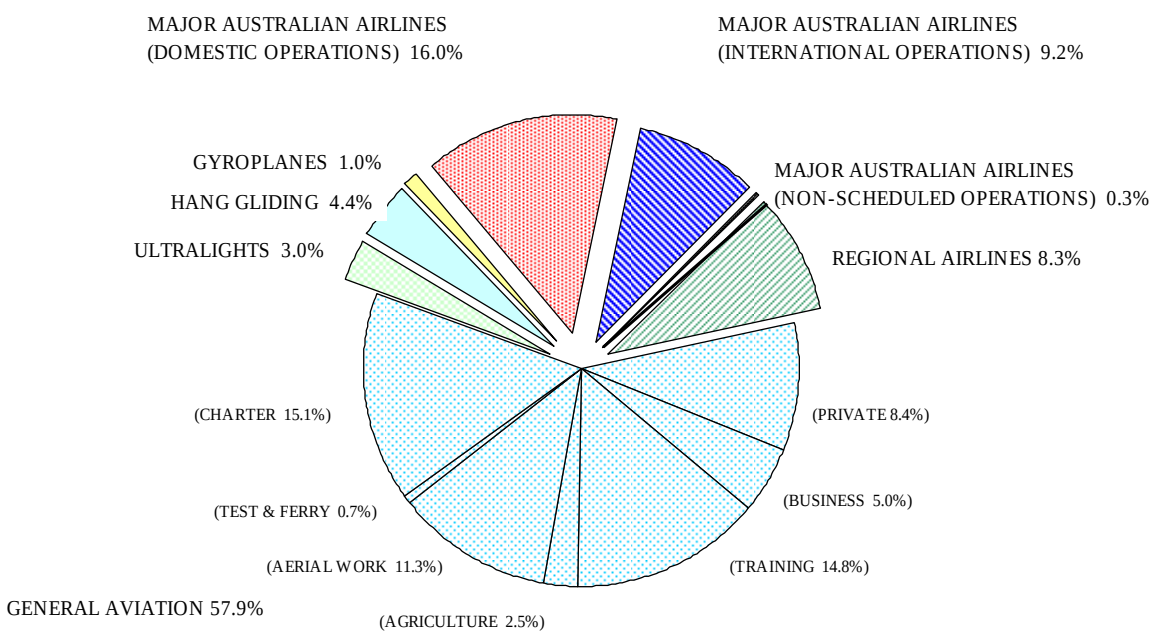


Figure 2 shows the relative sizes of the major industry sectors, based on hours flown.

FIG 2. PERCENTAGE OF INDUSTRY, BY SECTOR, 2003



AIRCRAFT BASED IN AUSTRALIA

The data presented in this publication for the year ended 31 December 2003 covers 10,671 aircraft in the general aviation and regional airline sectors, representing an increase of 2.1 per cent over the number registered at 31 December 2002. Aircraft operated by the major airlines are excluded from these totals.

Numbers of fixed-wing single-engined aircraft (excluding amateur-built aircraft) increased by 0.9 per cent, remaining the largest group with 6,727 aircraft or 63 per cent of the Australian total. Fixed-wing multi-engined aircraft (1,696 units), representing nearly 16 per cent of the general aviation/regional airline total, decreased by 0.6 per cent over the previous year.

Fixed-wing single-engined amateur-built aircraft numbers increased by 11.6 per cent in 2003 to 789 units, or 7.4 per cent of the Australian total.

The number of helicopters increased by 8.0 per cent, with multi-engined helicopters increasing by six units or 7.4 per cent. The number of single-engined helicopters rose by 8.0 per cent to 1,034 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 338 aircraft, recording a rise in numbers of 0.6 per cent.

These statistics exclude a total of 6,176 gliders, ultralight aircraft and hang gliders.

A total of 519,000 hours, or 27.6 per cent of all flying, was performed in aircraft between 21 and 25 years old, rising to 874,100 hours (46.5 per cent) for the ten-year span of 21 to 30 years old. 81.9 per cent of public transport flying (charter and regional airline) was done in aircraft more than ten years old, and 56.1 per cent in aircraft more than 20 years old.

Average flying hours per aircraft fell by 4.9 per cent, from 185.3 hours in 2002 to 176.2 hours in 2003. For active aircraft only, average hours flown were 215.2, down 3.3 per cent on the 2002 average.

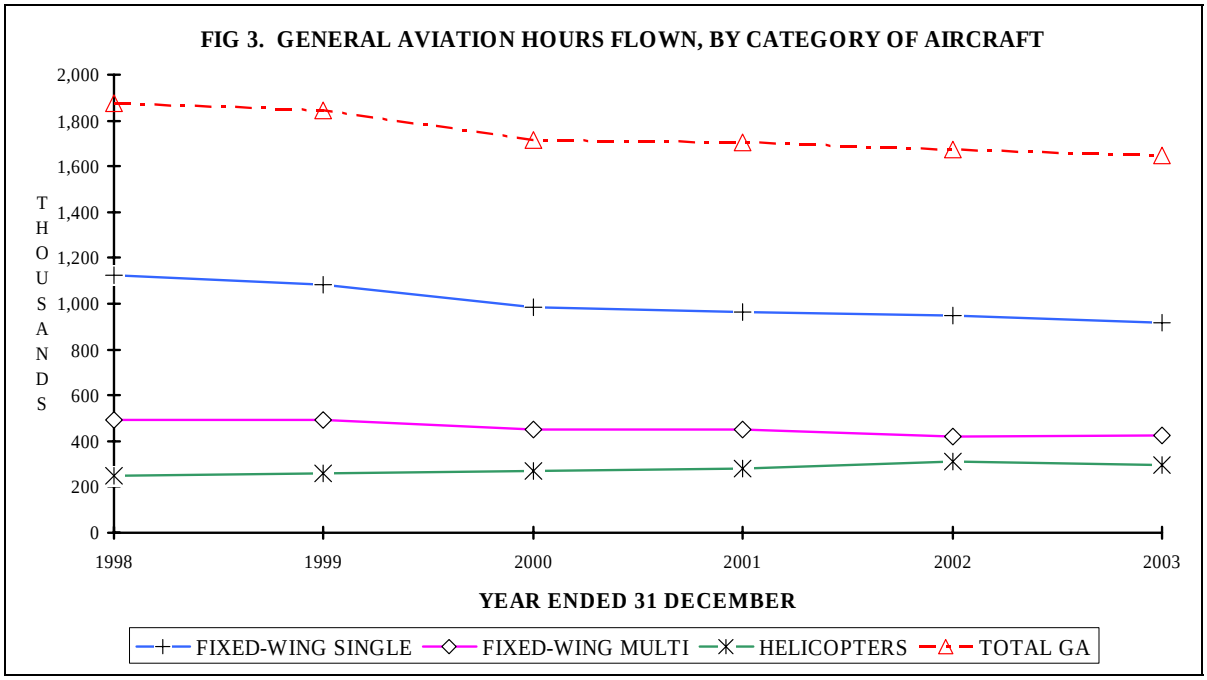
36 per cent of all active aircraft flew 50 hours or less during the 2003 year, while nearly 54 per cent flew 100 hours or less. This compares with 30 per cent and 48 per cent respectively ten years before, in 1993.

A total of 1931 aircraft, or 18.1 per cent of the number surveyed, were reported or estimated as performing no flying during the year ended 31 December 2003, compared with 1,743 aircraft (16.7 per cent) during 2002.

The survey covering the year ended 31 December 2003 elicited a total of 786 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	356	45.3
Amateur-built aircraft not yet completed	91	11.6
Aircraft unairworthy	69	8.8
Aircraft in storage	45	5.7
Aircraft destroyed or broken up	34	4.3
Health issues	27	3.4
Withdrawn from service	24	3.1
Aircraft in museum	23	2.9
Financial reasons	19	2.4
All other	98	12.5
Total	786	100.0

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



(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 2003 decreased by 3.5 per cent over the previous year. Most States saw decreases in landings, South Australia recording the largest fall with a drop of 17.2 per cent. New South Wales and Tasmania also saw greater than average falls with decreases of 6.6 and 7.5 per cent respectively. The only States to record an increase in landings were Victoria with a rise of 7.3 per cent and the Australian Capital Territory, up 17.5 per cent.

GENERAL AVIATION (GA) ACTIVITY

General Aviation activity (excluding scheduled regional airline operations) decreased by 2.5 per cent in 2003 compared to 2002.

Continuing drought conditions, the relatively low value of the Australian dollar for much of the year and increasing fuel prices are likely to have contributed to the lack of growth in GA flying activity.

Flying training recorded the highest increase in activity with a rise of 2.3 per cent over the 2002 year. Flying training and charter continued to make up the two largest activity categories in the GA sector, representing 25.5 per cent and 26.1 per cent respectively of all GA flying hours during the year ended 31 December 2003. Charter hours fell by 3.7 per cent in 2003 compared to 2002.

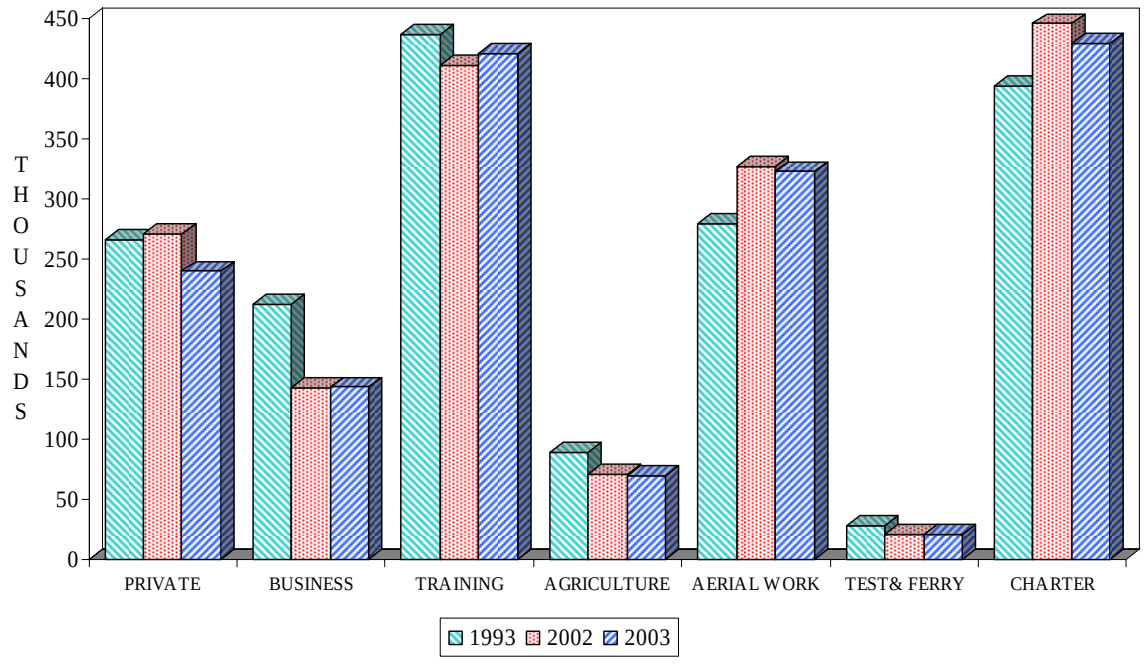
Business flying recorded a modest increase in flying hours with a rise of 0.8 per cent over the 2002 year, while private flying saw the largest decrease of all categories with a fall of 11.3 per cent. Private and business flying together represented 23.3 per cent of GA activity.

Aerial work flying recorded a fall in activity with a decrease of 1.4 per cent over the 2002 year. The fall was largely driven by the mustering and other aerial work categories, showing decreases of 9.9 and 9.4 per cent respectively.

Aerial agriculture flying fell by a further 1.5 per cent, with drought conditions continuing to affect large areas of the country.

Figure 4 shows the relative sizes of each general aviation sector, and compares 2003 statistics with equivalent 2002 and 1993 data.

FIG 4. GENERAL AVIATION HOURS FLOWN, BY ACTIVITY
YEARS ENDED 31 DECEMBER 1993, 2002 and 2003



REGIONAL AIRLINE ACTIVITY

Regional airline flying activity recorded a decrease of 6.2 per cent in 2003, compared with 2002 results.

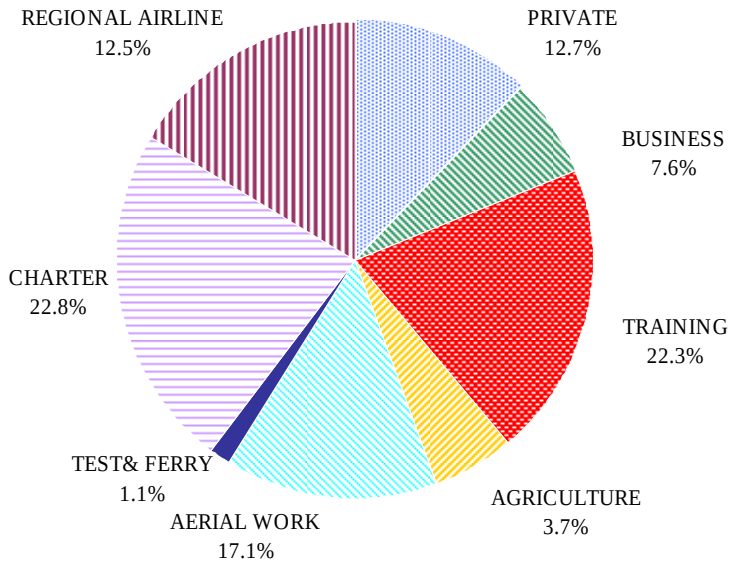
The most significant factor affecting these results was the transfer of the Victoria-based Southern Australia Airlines BAe 146 fleet into the mainstream domestic airline fleet in October 2002. Otherwise, regional airline flying hours similar to those recorded in 2002 could have been expected during the 2003 year.

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. 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 has seen a reversal with a number of regional airline routes taken up by the major airlines. This has had a further impact on regional airline activity levels.

The number of passengers carried on regional airline services fell by 3.8 per cent in 2003 over 2002.

FIG 5. HOURS FLOWN IN GA AND REGIONAL AIRLINE, BY ACTIVITY

YEAR ENDED 31 DECEMBER 2003



ULTRALIGHT FLYING

In 2003, ultralight aircraft flew a total of 84,500 hours, representing an increase of 4.8 per cent over the 2002 year.

By far the highest level of ultralight flying was undertaken in Queensland, with 29,200 hours or 34.5 per cent of the Australian total. New South Wales and Victoria together accounted for a further 42.8 per cent of flying activity.

At the end of December 2003, a total of 1,688 aircraft had current registrations issued by the Australian Ultralight Federation, a rise of 4.8 per cent over December 2002.

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 1,083 at December 2002 to 1,095 at December 2003, representing a growth rate of 1.1 per cent.

HANG GLIDING

Hang gliders flew 124,700 hours in the 2002/03 year, to record a rise of 2.0 per cent over 2001/02.

Nearly 53,800 hours, or 43.1 per cent of the Australia total, were flown in New South Wales for an increase of 13.3 per cent over 2001/02. Western Australia saw the largest increase, with a rise in flying activity of 24.5 per cent. The Australian Capital Territory and Queensland also recorded significant increases of 13.3 and 10.6 per cent respectively. Activity in the other States however saw substantial decreases, with falls in the South Australia/Northern Territory region (down 22.5 per cent), Victoria (down 20.0 per cent) and Tasmania (down 15.5 per cent).

At the end of June 2003, an estimated 3,393 aircraft were involved in hang gliding operations.

GYROPLANES

During the 2002/03 financial year, provisional statistics indicate that gyroplanes flew 28,300 hours Australia-wide. This estimate, based on a survey response rate of approximately 25 per cent, represents a decrease of 12.3 per cent over the 2001/02 estimates.

Private flying represented approximately 90 per cent of the total, with flying training making up the remainder of reported activity. Compared with 2001/02, the amount of private flying fell by 16.4 per cent, while training hours increased by more than 34 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, 1993 to 2003 ('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	TOTAL
1993	1,703.9	5.8	781.2	56.8 (d)	73.0	86.2	5.6 (e)	2,712.4
1994	1,705.7	4.9	838.7	73.0	80.1	77.6	15.0 (d)	2,794.9
1995	1,761.3	5.5	899.6	72.0	75.9	86.4	14.4 (d)	2,915.0
1996	1,799.0	4.7	938.5	70.4	69.2	103.2	23.3 (d)	3,008.4
1997	1,839.3	3.6	969.8	75.1	68.9	102.3	23.3 (d)	3,082.3
1998	1,877.9	3.6	958.2	67.6	65.4	87.5	33.4 (d)	3,093.7
1999	1,842.2	3.8	963.5	73.9	63.9	104.6	30.4 (d)	3,082.3
2000	1,714.8	4.3	1,074.2	74.1	..	106.7	29.7 (d)	3,003.8
2001	1,702.9	6.6	1,044.3	76.5	..	120.0	37.0 (d)	2,987.1
2002	1,687.7	7.5	926.0	80.6	..	122.2	32.3 (d)	2,856.3
2003	1,645.9	8.0	952.3	84.5	..	124.7	28.3	2,843.8

(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.
(e) Covers January to June 1993 only.

Table 2. Percentage distribution of hours flown by industry sector, 1993 to 2003

	Industry Sector							
Year	General Aviation	Major Australian Airlines non-RPT (a)	Total airline RPT (b)	Ultralight Flying	Gliding (c)	Hang Gliding (d)	Gyroplanes	TOTAL
1993	62.8	0.2	28.8	2.1 (d)	2.7	3.2	0.2 (e)	100.0
1994	61.0	0.2	30.0	2.6	2.9	2.8	0.5 (d)	100.0
1995	60.4	0.2	30.9	2.5	2.6	3.0	0.5 (d)	100.0
1996	59.8	0.2	31.2	2.3	2.3	3.4	0.8 (d)	100.0
1997	59.7	0.1	31.5	2.4	2.2	3.3	0.8 (d)	100.0
1998	60.7	0.1	31.0	2.2	2.1	2.8	1.1 (d)	100.0
1999	59.8	0.1	31.3	2.4	2.1	3.4	1.0 (d)	100.0
2000	57.1	0.1	35.8	2.5	..	3.6	1.0 (d)	100.0
2001	57.0	0.2	35.0	2.6	..	4.0	1.2 (d)	100.0
2002	59.1	0.3	32.4	2.8	..	4.3	1.1 (d)	100.0
2003	57.9	0.3	33.5	3.0	..	4.4	1.0 (d)	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.
(e) Covers January to June 1993 only.

Table 3. Hours flown and percentage change, by industry sector and flying activity, 2001 to 2003

Industry sector and flying activity	2001 Hours flown ('000)	2001 % change over 2000	2002 Hours flown ('000)	2002 % change over 2001	2003 Hours flown ('000)	2003 % change over 2002
Airline RPT						
Major Australian Airlines						
Domestic operations	457.7	-1.2	414.3	-9.5	456.0	10.1
International operations	288.6	4.8	261.6	-9.4	261.6	0.0
Regional Airlines	298.0	-11.2	250.1	-16.1	234.7	-6.2
Sub Total	1,044.3	-2.8	926.0	-11.3	952.3	2.8
Airline non-RPT	6.6	53.1	7.5	13.7	8.0	7.3
General Aviation						
Private	261.7	5.3	270.2	3.2	239.7	-11.3
Business	144.9	6.2	142.2	-1.8	143.4	0.8
Training	406.2	-1.8	410.8	1.1	420.3	2.3
Agriculture	106.7	-7.2	70.8	-33.6	69.7	-1.5
Aerial work	294.2	-0.9	327.1	11.2	322.5	-1.4
Test & Ferry	23.2	-16.9	20.9	-9.9	21.2	1.7
Charter	466.0	-2.2	445.7	-4.4	429.2	-3.7
Sub Total	1,702.9	-0.7	1,687.7	-0.9	1,645.9	-2.5
Ultralight Flying	76.5	3.3	80.6	5.4	84.5	4.8
Gliding	..	..	..	..	..	..
Hang Gliding (a)	120.0	12.4	122.2	1.9	124.7	2.0
Gyroplanes (a)	37.0	24.3	32.3	-12.5	28.3	-12.3
TOTAL	2,987.1	-0.6	2,856.3	-4.4	2,843.8	-0.4

(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, 2003 ('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	3,128	2,470	792.5	2,419	380.0	70	116.5	496.5
VIC	2,124	1,711	449.7	1,706	257.9	11	3.1	261.0
QLD	2,537	2,083	783.5	2,064	399.3	68	66.9	466.2
SA	709	619	227.6	615	131.5	18	14.6	146.1
WA	1,448	1,233	443.3	1,232	316.8	28	15.9	332.7
TAS	185	157	42.0	154	22.5	7	2.3	24.8
NT	387	346	215.0	338	120.6	14	14.2	134.9
ACT	153	121	26.8	121	17.4	3	1.1	18.5
AUSTRALIA	10,671	8,740	2,980.4	8,649	1,645.9	219	234.7	1,880.6

(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, 1993 to 2003 ('000 hours)

Year	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	Total GA	Regional Airline	TOTAL
1993	265.3	212.3	436.8	89.2	278.8	28.2	393.4	1,703.9	227.7	1,931.6
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

SECTION B. NUMBER OF AIRCRAFT BASED IN AUSTRALIA

Table 6. Number of aircraft performing General Aviation and Regional Airline operations, by principal aircraft makes, 1998 to 2003

Aircraft Make	1998	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003
Fixed Wing - Single Engine							
A.E.S.L.	16	16	16	16	16	16	16
Aeronca	7	6	5	5	6	6	6
Air Parts	30	30	29	29	31	28	27
Air Tractor	95	105	104	107	105	105	103
American Air	89	91	90	90	91	89	88
American Champion	0	3	3	3	5	7	10
Auster	135	138	137	138	139	139	139
Avro	4	4	4	5	4	4	5
Ayres	41	47	47	49	48	45	41
BAC	8	9	9	9	9	9	12
Beagle	11	12	12	11	11	11	11
Beechcraft	342	343	335	334	331	327	327
Bellanca/ Champion	68	67	67	67	67	66	65
Boeing	14	15	15	16	19	19	22
Cessna	2,950	2,984	2,962	2,962	2,955	2,940	2,956
Cirrus	0	0	0	1	1	5	16
Commonwealth Aircraft	50	51	51	53	55	53	55
Consolidated Aeronautics	18	17	16	15	15	14	14
Czech	5	5	5	5	5	5	5
De Havilland	300	302	300	300	305	312	317
Diamond	1	1	1	1	1	4	8
Eagle	19	22	22	21	20	19	19
Fairchild	5	5	5	6	6	5	5
Fuji	12	13	13	13	13	13	13
Gippsland	12	17	17	14	18	26	34
Grob	57	58	58	57	57	57	58
Grumman	23	22	22	23	22	22	22
Hawker Siddeley	7	8	8	8	9	9	9
Hedaro	79	75	71	54	36	28	25
IMCO	9	9	9	9	9	9	9
Luscombe	13	13	13	13	13	13	14
Maule	50	52	51	54	54	53	53
Mikoyan	8	8	8	8	8	8	8
Mooney	150	147	146	146	143	144	145
Nanchang	12	13	13	13	14	15	18
North American	36	37	37	37	40	41	42
NZAI	31	32	32	32	32	32	31
Pacific Aerospace	16	29	29	29	28	29	32
Pilatus	10	11	11	12	17	21	22
Piper	1,435	1,447	1,435	1,423	1,416	1,413	1,407
Pitts	23	22	22	22	22	22	22
PZL	31	36	35	36	36	40	42
Reims-Cessna	5	5	5	5	5	5	5
Robin	11	12	12	12	12	12	12
Rockwell	40	40	39	38	36	36	34
Ryan	6	7	7	8	8	9	9
SIAI Marchetti	4	4	4	5	4	7	14
Slepcev	0	2	2	12	13	11	11

(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 6. Number of aircraft performing General Aviation and Regional Airline operations, by principal aircraft makes, 1998 to 2003 - continued

Aircraft Make	1998	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec '2002	At Dec 2003
Fixed Wing - Single Engine (continued)							
Socata	98	97	97	99	92	88	88
Stinson	19	19	19	19	19	19	19
Sud Aviation	4	4	4	5	5	5	5
Transavia	14	14	14	14	14	14	12
Vickers	2	2	2	2	4	4	5
Victa	79	79	79	79	80	80	80
Yakovlev	13	16	16	19	26	29	34
Amateur-built	504	571	559	619	673	707	789
Other	116	132	123	120	130	126	126
Sub Total	7,137	7,326	7,247	7,302	7,353	7,375	7,516
Fixed Wing - Multi Engine							
Aero Commander	64	67	63	62	62	62	62
Beechcraft	373	385	374	378	367	364	366
British Aerospace	29	31	25	24	25	22	19
Britten Norman	33	37	36	39	38	35	35
Cessna	409	402	395	390	386	379	379
Dassault	4	6	5	5	6	7	6
De Havilland	70	72	71	77	79	80	74
Douglas	20	18	17	20	20	20	20
Embraer	31	32	31	32	28	26	27
Fairchild	49	47	47	49	50	57	61
Fokker	13	15	15	15	15	13	12
GAF Nomad	10	7	7	6	6	5	5
Gates Learjet	8	8	8	8	9	14	16
Grumman	11	11	11	11	11	11	11
Israel Aircraft	8	8	8	8	9	8	9
Lockheed	8	9	9	9	9	7	7
Partenavia	46	48	46	46	44	45	44
Piper	485	486	465	454	452	448	447
Reims-Cessna	5	6	5	5	5	5	5
Saab	25	26	26	27	26	24	22
Shorts	16	13	12	11	9	9	6
Swearingen	17	17	14	14	14	12	11
Ted Smith	16	34	32	32	28	27	25
Other	33	33	21	33	38	26	27
Sub Total	1,783	1,818	1,743	1,755	1,736	1,706	1,696
Rotary Wing (see Table 7)							
Sub Total	791	902	868	943	979	1,038	1,121
Balloons and Airships (see Table 8)							
Sub Total	295	315	310	325	334	336	338
TOTAL ALL AIRCRAFT	10,006	10,361	10,168	10,325	10,402	10,455	10,671

(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, 1998 to 2003

Helicopter Make	1998	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003
Rotary Wing - Single Engine							
Aerospatiale/Eurocopter	45	56	51	57	62	75	97
Agusta	11	15	14	16	16	17	15
Bell	197	213	204	227	231	243	250
Enstrom	10	10	10	10	9	10	10
Hiller	17	16	16	15	13	13	13
Hughes	55	57	54	57	57	55	54
Kawasaki	40	45	44	43	43	44	44
McDonnell Douglas	2	9	9	9	9	8	11
Robinson	294	336	326	357	379	411	448
Schweizer	8	10	10	11	11	13	15
Westland	3	4	4	4	4	5	5
Amateur-built	19	34	33	43	50	53	61
Other	10	9	8	7	11	10	11
Sub Total	711	814	783	856	895	957	1,034
Rotary Wing - Multi Engine							
Aerospatiale/Eurocopter	19	22	22	24	21	21	22
Agusta	6	6	6	5	5	3	7
Bell	17	19	19	19	17	18	18
Kawasaki	8	13	12	16	18	19	19
Sikorsky	29	27	25	22	22	19	20
Other	1	1	1	1	1	1	1
Sub Total	80	88	85	87	84	81	87
TOTAL ROTARY WING	791	902	868	943	979	1,038	1,121

(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, 1998 to 2003

Balloon or Airship Make		1998	1999	At Dec 1999 (a)	At Dec 2000	At Dec 2001	At Dec 2002	At Dec 2003
	Balloon Works	21	22	22	22	21	20	15
	Cameron	43	46	45	46	45	44	45
	Kavanagh	166	183	179	195	203	209	212
	Thunder/Colt	51	50	50	50	53	52	51
	Other	14	14	14	12	12	11	15
TOTAL BALLOONS AND AIRSHIPS		295	315	310	325	334	336	338

(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 1998 to 2003

Aircraft type		1998	1999	2000	2001	2002	2003
Airbus	A320	20	20	20	13	0	0
	A330	0	0	0	0	2	7
Boeing	717	0	0	5	8	14	14
	737	60	60	66	55	82	93
	747	35	36	39	37	36	36
	767	38	38	45	36	36	39
BAe	146	23	23	24	16	15	10
Fokker	F28	3	0	0	0	0	0
Other		0	0	1	0	0	0
TOTAL		179	177	200	165	185	199

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), 1998 to 2003 ('000 landings)

State or Territory	1998	1999	2000	2001	2002	2003
NSW	1,007.5	975.6	942.6	902.2	848.6	792.5
VIC	576.8	523.6	507.7	501.9	419.3	449.7
QLD	884.7	875.0	801.4	827.9	802.0	783.5
SA	267.9	252.1	248.4	305.5	274.9	227.6
WA	520.0	489.4	490.9	527.6	455.8	443.3
TAS	51.0	52.7	54.8	57.9	45.4	42.0
NT	200.7	204.9	214.2	219.6	221.2	215.0
ACT	31.2	30.1	28.3	27.7	22.8	26.8
AUSTRALIA	3,539.7	3,403.3	3,288.5	3,370.3	3,089.9	2,980.4

(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, 1998 to 2003 ('000 landings)

Category	1998	1999	2000	2001	2002	2003
Fixed Wing - Single Engine	2,082.4	1,921.8	1,789.9	1,878.2	1,691.5	1,617.8
- Multi Engine	930.1	918.4	938.5	904.4	736.3	727.4
Rotary Wing - Single Engine	418.2	451.6	457.9	481.0	551.1	531.9
- Multi Engine	98.5	100.6	89.8	93.5	97.5	91.9
Balloons and Airships	10.5	10.9	12.4	13.2	13.5	11.4
TOTAL	3,539.7	3,403.3	3,288.5	3,370.3	3,089.9	2,980.4

SECTION D. GENERAL AVIATION HOURS FLOWN

Table 12. Hours flown in General Aviation operations by State or Territory (a), 1998 to 2003 ('000 hours)

State or Territory	1998	1999	2000	2001	2002	2003
NSW	466.5	463.9	426.5	395.5	401.7	380.0
VIC	282.3	271.8	249.9	242.3	253.5	257.9
QLD	474.5	467.1	416.0	413.7	401.8	399.3
SA	135.6	133.8	144.6	148.6	151.2	131.5
WA	346.9	338.3	318.8	338.1	316.2	316.8
TAS	26.1	24.4	22.7	26.3	24.8	22.5
NT	125.8	122.6	118.6	121.1	122.7	120.6
ACT	20.2	20.2	17.7	17.3	15.9	17.4
AUSTRALIA	1,877.9	1,842.2	1,714.8	1,702.9	1,687.7	1,645.9

(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), 2003 ('000 hours)

State or Territory	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
NSW	68.7	37.4	108.7	25.6	59.8	4.2	75.6	380.0
VIC	51.1	22.9	92.2	13.5	19.4	3.8	55.0	257.9
QLD	62.7	44.8	74.1	16.7	88.8	6.0	106.2	399.3
SA	13.9	14.0	33.2	7.0	43.0	1.8	18.5	131.5
WA	29.4	15.3	102.3	4.2	68.2	3.2	94.2	316.8
TAS	3.7	2.6	3.1	2.4	4.3	0.5	5.8	22.5
NT	4.1	5.1	2.9	0.4	37.6	1.6	69.0	120.6
ACT	6.1	1.3	3.8	0.0	1.3	0.2	4.8	17.4
AUSTRALIA	239.7	143.4	420.3	69.7	322.5	21.2	429.2	1,645.9

(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, 2003 ('000 hours)

State or Territory	Survey & Photography	Pipe- & Powerline Patrol	Mustering	Search & Rescue	Ambulance	Towing	Other Aerial Work	TOTAL AERIAL WORK
NSW	6.1	4.5	5.7	1.2	21.1	4.0	17.4	59.8
VIC	2.8	1.3	1.8	0.1	0.9	1.8	10.7	19.4
QLD	8.9	5.0	42.2	1.1	15.5	2.7	13.3	88.8
SA	21.1	0.0	2.8	1.2	9.6	0.7	7.6	43.0
WA	12.1	1.4	24.8	0.4	15.3	0.5	13.5	68.2
TAS	0.6	0.1	0.3	0.3	0.0	0.0	3.0	4.3
NT	1.1	0.3	21.7	0.1	6.1	0.1	8.3	37.6
ACT	0.0	0.4	0.3	0.0	0.0	0.0	0.5	1.3
AUSTRALIA	52.7	13.0	99.8	4.4	68.4	9.8	74.3	322.5

Table 14. Hours flown in General Aviation operations by principal aircraft makes, 1998 to 2003 ('000 hours)

Aircraft Make	1998	1999	2000	2001	2002	2003
Fixed Wing - Single Engine						
A.E.S.L.	0.9	0.9	0.7	0.7	0.6	0.7
Aeronca	0.1	0.1	0.2	0.1	0.2	0.2
Air Parts	10.8	10.0	7.5	11.2	9.5	7.3
Air Tractor	10.8	41.1	38.9	34.3	21.7	22.1
American Air	6.6	7.1	6.2	6.3	6.6	6.0
American Champion	..	..	..	1.0	1.4	2.5
Auster	1.7	1.7	1.6	1.6	1.8	1.7
Avtech	..	..	0.0	..	..	-
Ayres	23.8	19.5	18.0	14.1	8.5	6.0
BAC	0.1	0.1	0.1	0.1	0.1	0.3
Beagle	0.8	0.7	0.3	0.3	0.2	0.2
Beechcraft	39.5	36.8	27.7	25.7	28.2	26.6
Bellanca/ Champion	10.2	8.8	5.6	5.9	5.9	5.7
Boeing	0.4	0.5	0.4	0.5	0.4	0.5
Cessna	561.5	557.3	503.9	493.2	477.4	466.0
Cirrus	0.0	0.0	..	..	0.5	1.4
Commonwealth Aircraft	0.8	0.8	0.7	0.7	0.7	1.1
Consolidated Aeronautics	1.3	1.0	0.5	0.4	0.6	0.7
Czech	0.1	0.1	0.1	0.1	0.1	0.1
De Havilland	13.4	15.2	15.7	13.7	13.0	12.9
Diamond	..	..	..	..	..	0.8
Eagle	1.5	2.1	2.9	3.1	2.1	1.7
Fairchild	0.1	0.1	0.1	0.1	-	-
Fuji	0.2	0.4	0.3	0.3	0.5	0.4
Gippsland	2.5	2.3	3.4	4.6	5.6	6.0
Grob	29.8	25.2	28.6	23.3	25.5	33.6
Grumman	3.1	2.6	2.2	2.7	2.0	2.2
Hawker Siddeley	0.0	0.0	0.0	-	-	-
Hedaro	12.2	9.0	6.2	2.5	2.4	1.7
IMCO	1.0	0.7	0.8	0.7	0.8	1.4
Luscombe	0.2	0.2	0.2	0.2	0.2	0.2
Maule	4.6	3.6	3.5	3.0	2.5	2.5
Mikoyan	0.1	0.1	0.1	0.1	0.1	0.1
Mooney	17.9	17.7	14.8	15.9	16.1	15.1
Nanchang	0.2	0.2	0.2	0.2	0.4	0.8
North American	0.7	0.6	0.6	0.7	1.1	0.9
NZAI	1.0	1.1	1.0	1.1	1.1	1.4
Pacific Aerospace	6.5	13.1	13.3	18.1	18.6	18.5
Pilatus	6.8	7.5	8.3	8.1	18.2	19.9
Piper	249.4	231.1	202.9	196.0	196.2	173.4
Pitts	1.4	1.1	0.9	0.9	1.1	0.7
PZL	4.6	4.0	4.8	4.7	3.3	4.1
Reims-Cessna	0.5	0.3	0.3	0.3	0.2	0.2
Robin	2.2	2.0	2.5	2.5	2.5	2.4
Rockwell	5.7	5.1	4.2	3.7	2.8	2.8
Ryan	0.1	0.1	0.1	0.1	0.6	0.5
SIAI Marchetti	..	..	0.1	..	0.1	0.3
Slepcev	..	..	0.5	0.7	0.8	0.8
Socata	36.1	24.0	23.9	24.5	25.6	24.7
Stinson	0.3	0.2	0.2	0.3	0.3	0.2

Table 14. Hours flown in General Aviation operations by principal aircraft makes, 1998 to 2003 ('000 hours) - continued

Aircraft Make	1998	1999	2000	2001	2002	2003
Fixed Wing - Single Engine (continued)						
Sud Aviation	..	..	0.1	0.1	0.2	0.1
Transavia	1.9	1.6	1.9	2.0	1.6	1.1
Vickers	..	..	..	..	..	0.1
Victa	2.9	3.0	3.2	3.5	3.3	3.5
Yakovlev	0.2	0.5	0.7	0.6	0.9	0.8
Amateur-built	13.0	13.5	17.8	22.2	24.2	24.6
Other	36.8	9.6	6.1	6.9	7.4	6.5
Sub Total	1,126.2	1,084.6	984.7	963.2	945.9	915.6
Fixed Wing - Multi Engine						
Aero Commander	23.9	25.4	18.9	25.8	17.2	26.9
Beechcraft	115.2	116.9	118.0	120.5	116.8	111.1
British Aerospace	11.7	13.4	7.1	6.7	9.2	7.9
Britten Norman	13.4	17.1	15.3	8.3	6.8	11.2
Cessna	109.8	106.2	95.7	91.4	86.0	81.6
Dassault	..	1.2	1.0	1.3	1.6	0.9
De Havilland	19.0	22.0	16.2	17.6	11.7	14.4
Douglas	2.6	0.7	0.8	1.0	0.7	0.7
Embraer	2.0	2.6	4.1	4.9	5.8	4.0
Fairchild	29.3	29.3	28.2	38.2	29.8	23.5
Fokker	2.7	2.0	2.6	1.5	1.3	2.8
GAF Nomad	2.4	2.4	1.1	0.9	0.8	0.9
Gates Learjet	3.6	2.9	2.1	4.2	3.4	9.2
Grumman	5.3	2.9	2.8	2.7	2.9	3.1
Israel Aircraft	6.0	6.7	3.4	5.3	6.4	6.0
Lockheed	0.1	0.1	0.1	0.2	-	-
Partenavia	17.9	15.0	12.9	10.9	10.2	9.3
Piper	105.7	99.7	97.3	90.5	92.5	94.1
Reims-Cessna	2.1	3.6	4.1	1.4	1.4	3.3
Saab	0.4	3.4	0.9	1.1	-	-
Shorts	1.3	0.6	0.8	0.5	0.3	0.3
Swearingen	6.9	4.1	4.8	4.6	2.9	1.6
Ted Smith	3.2	4.8	4.7	4.5	5.0	5.1
Other	9.9	6.7	6.1	5.7	5.7	5.2
Sub Total	494.6	489.8	448.9	449.3	418.4	423.2
Rotary Wing (see Table 15)						
Sub Total	247.6	257.4	269.6	278.4	311.7	296.8
Balloons and Airships (see Table 16)						
Sub Total	9.6	10.4	11.6	12.0	11.7	10.4
TOTAL ALL AIRCRAFT	1,877.9	1,842.2	1,714.8	1,702.9	1,687.7	1,645.9

Table 15. Hours flown in General Aviation operations by principal helicopter makes, 1998 to 2003 ('000 hours)

Helicopter Make		1998	1999	2000	2001	2002	2003
Rotary Wing - Single Engine							
	Aerospatiale/Eurocopter	16.3	16.9	17.3	18.9	23.8	27.5
	Agusta	2.1	2.3	2.8	2.9	3.1	2.6
	Bell	60.3	62.6	65.6	69.8	73.9	64.2
	Enstrom	0.6	0.6	0.9	1.1	0.2	0.2
	Hiller	2.1	1.7	2.2	2.1	2.7	2.3
	Hughes/Schweizer	13.9	12.7	10.5	9.9	10.0	10.0
	Kawasaki	11.3	10.3	8.6	9.7	9.6	7.9
	McDonnell Douglas	0.4	0.9	1.9	1.8	1.8	3.3
	Robinson	100.4	107.0	116.0	121.7	136.0	136.6
	Schweizer	2.4	2.7	2.8	3.1	3.9	3.9
	Westland	..	..	..	..	0.7	0.7
	Amateur-built	0.2	0.4	1.0	1.1	0.7	1.1
	Other	0.9	0.7	0.5	1.3	1.3	0.7
	Sub Total	210.7	218.9	230.2	243.4	267.9	261.0
Rotary Wing - Multi Engine							
	Aerospatiale/Eurocopter	11.8	11.2	14.7	11.5	16.0	12.7
	Agusta	1.2	1.2	1.3	0.5	..	1.6
	Bell	8.3	10.5	8.4	7.7	9.0	7.0
	Kawasaki	2.8	3.5	3.6	5.4	9.0	5.6
	Sikorsky	12.1	11.4	10.5	8.1	8.6	8.3
	Other	0.7	0.8	0.8	1.8	1.2	0.6
	Sub Total	36.9	38.5	39.4	35.0	43.8	35.8
TOTAL ROTARY WING		247.6	257.4	269.6	278.4	311.7	296.8

Table 16. Hours flown in General Aviation operations by principal makes of balloons and airships, 1998 to 2003 ('000 hours)

Balloon or Airship Make		1998	1999	2000	2001	2002	2003
	Balloon Works	0.2	0.1	0.2	0.2	0.2	0.2
	Cameron	1.0	0.7	1.0	0.7	0.8	0.8
	Kavanagh	6.5	8.0	9.0	9.5	9.2	8.5
	Thunder/Colt	1.2	1.3	1.3	1.3	1.2	0.8
	Other	0.7	0.2	0.2	0.3	0.2	0.1
TOTAL BALLOONS AND AIRSHIPS		9.6	10.4	11.6	12.0	11.7	10.4

Table 17. Hours flown in General Aviation operations by flying activity and principal aircraft makes, 2003 ('000 hours)

Aircraft Make	Private	Business	Training	Agri0 culture	Aerial work	Test & ferry	Charter	TOTAL
Fixed Wing - Single Engine								
A.E.S.L.	0.6	0.1	-	0.0	0.0	-	0.0	0.7
Aeronca	0.1	0.0	-	0.0	0.0	0.0	0.0	0.2
Air Parts	0.0	0.0	-	4.4	2.3	0.5	0.0	7.3
Air Tractor	0.3	-	-	20.8	0.9	0.1	0.0	22.1
American Air	4.0	0.8	1.1	0.0	-	0.1	-	6.0
American Champion	0.1	0.0	0.5	0.0	2.0	0.0	0.0	2.5
Auster	1.4	0.1	0.1	0.0	0.1	-	0.0	1.7
Avro	-	0.0	0.0	0.0	0.0	0.0	0.0	-
Ayres	0.1	0.0	0.0	5.8	-	-	0.0	6.0
BAC	0.2	0.0	-	0.0	-	0.0	0.0	0.3
Beagle	0.2	-	0.0	0.0	0.0	0.0	0.0	0.2
Beechcraft	9.9	7.7	5.4	0.0	0.2	0.3	3.1	26.6
Bellanca/ Champion	1.2	0.2	1.9	0.0	2.3	-	-	5.7
Boeing	0.4	0.0	0.0	0.0	0.0	-	-	0.5
Cessna	90.3	55.1	158.1	9.4	56.0	4.3	92.8	466.0
Cirrus	1.0	0.1	0.1	0.0	-	0.1	-	1.4
Commonwealth Aircraft	0.9	-	0.1	0.0	0.1	0.1	-	1.1
Consolidated Aeronautics	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	0.1
De Havilland	3.8	0.4	0.8	0.6	-	0.2	7.2	12.9
Diamond	0.1	0.2	0.2	0.0	0.2	-	0.0	0.0
Eagle	0.2	0.1	1.2	0.0	0.0	0.1	0.0	1.7
Fairchild	-	0.0	0.0	0.0	0.0	0.0	0.0	-
Fuji	0.3	-	-	0.0	-	-	-	0.4
Gippsland	0.3	0.1	0.1	3.4	0.2	0.1	1.7	6.0
Grob	-	0.1	33.4	0.0	0.0	0.1	0.0	33.6
Grumman	0.1	0.0	-	2.0	0.0	-	-	2.2
Hawker Siddeley	-	0.0	0.0	0.0	0.0	-	0.0	-
Hedaro	0.5	0.1	0.8	0.0	0.1	-	-	1.7
IMCO	0.0	0.1	0.0	0.1	1.1	-	0.0	1.4
Luscombe	0.2	-	-	0.0	0.0	-	0.0	0.2
Maule	1.3	0.5	0.1	0.0	-	-	0.5	2.5
Mikoyan	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mooney	5.1	4.1	5.5	0.0	0.0	0.1	0.4	15.1
Nanchang	0.7	0.0	0.0	0.0	0.0	-	0.0	0.8
North American	0.7	-	-	0.0	0.1	0.1	-	0.9
NZAI	1.0	0.3	-	0.0	0.1	0.0	0.1	1.4
Pacific Aerospace	0.3	0.0	17.5	0.5	0.1	0.1	0.0	18.5
Pilatus	0.0	0.4	0.4	0.0	18.2	0.1	0.8	19.9
Piper	43.7	17.4	75.6	10.4	12.4	2.1	11.9	173.4
Pitts	0.4	-	0.2	0.0	-	-	-	0.7
PZL	0.2	-	0.0	3.0	0.8	-	0.0	4.1
Reims0Cessna	0.2	0.0	-	0.0	-	0.0	0.0	0.2
Robin	0.2	0.7	1.5	0.0	-	-	0.0	2.4
Rockwell	0.8	0.4	0.4	1.1	0.0	-	0.0	2.8
Ryan	0.4	0.1	0.1	0.0	0.0	-	-	0.5
SIAI Marchetti	0.2	0.0	-	0.0	0.0	-	0.0	0.3
Slepcev	0.3	0.3	-	0.0	0.0	0.2	0.0	0.8
Socata	2.1	1.8	20.5	0.0	0.0	0.2	0.0	24.7
Stinson	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Sud Aviation	0.1	0.0	-	0.0	0.0	0.0	0.0	0.1

Table 17. Hours flown in General Aviation operations by flying activity and principal aircraft makes, 2003 ('000 hours) - continued

Aircraft Make	Private	Business	Training	Agri0 culture	Aerial work	Test & ferry	Charter	TOTAL
Fixed Wing - Single Engine (continued)								
Transavia	0.0	0.0	0.0	1.1	0.0	-	0.0	1.1
Vickers	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Victa	1.9	0.6	1.0	0.0	-	0.1	0.0	3.5
Yakovlev	0.6	0.1	-	0.0	0.1	-	0.0	0.8
Amateur0built	20.3	2.4	0.3	0.0	0.3	1.3	0.0	24.6
Other	1.4	0.3	3.4	0.2	0.8	0.1	0.2	7.3
Sub Total	198.4	95.0	330.6	62.9	98.7	10.9	119.2	915.6
Fixed Wing - Multi Engine								
Aero Commander	0.3	0.6	0.3	0.0	3.4	0.1	22.2	26.9
Beechcraft	6.8	7.3	22.8	0.0	39.8	0.8	33.7	111.1
British Aerospace	0.0	0.5	-	0.0	0.0	-	7.3	7.9
Britten Norman	-	-	0.3	0.0	6.1	0.3	4.5	11.2
Cessna	4.9	6.5	6.8	0.0	12.9	1.1	49.5	81.6
British Aerospace	0.6	0.1	-	0.0	0.0	-	0.1	0.9
De Havilland	0.1	-	0.2	0.0	10.1	0.1	3.9	14.4
Douglas	0.1	0.0	0.1	0.0	0.0	0.0	0.6	0.7
Embraer	0.2	0.1	0.1	0.0	0.0	-	3.6	4.0
Fairchild	0.0	-	0.3	0.0	0.0	0.1	23.1	23.5
Fokker	0.0	0.0	0.2	0.0	0.7	-	1.9	2.8
GAF Nomad	-	0.0	-	0.0	-	-	0.8	0.9
Gates Learjet	-	0.3	6.0	0.0	0.5	0.1	2.3	9.2
Grumman	-	0.5	0.6	0.0	-	-	2.0	3.1
Israel Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
Lockheed	-	0.0	0.0	0.0	0.0	-	0.0	-
Partenavia	1.0	0.2	3.0	0.0	1.1	0.1	3.9	9.3
Piper	8.0	10.2	19.3	0.0	3.5	0.9	52.1	94.1
Reims-Cessna	0.0	0.0	0.1	0.0	2.6	0.1	0.5	3.3
Saab	0.0	0.0	0.0	0.0	0.0	-	0.0	-
Shorts	0.0	-	-	0.0	0.0	-	0.2	0.3
Swearingen	-	-	-	0.0	0.0	-	1.5	1.6
Ted Smith	0.2	0.5	0.3	0.0	0.0	-	4.1	5.1
Other	1.3	1.3	-	0.0	1.9	-	0.5	5.2
Sub Total	23.6	28.4	60.4	0.0	82.7	3.8	224.3	423.2
Rotary Wing - Helicopters and Gyroplanes (see Table 18)								
Sub Total	15.7	20.0	29.2	6.8	141.1	6.6	77.3	296.8
Balloons and Airships (see Table 19)								
Sub Total	1.9	0.0	0.1	0.0	-	0.0	8.5	10.4
TOTAL ALL AIRCRAFT	239.7	143.4	420.3	69.7	322.5	21.2	429.2	1,645.9

Table 18. Hours flown in General Aviation operations by flying activity and principal helicopter makes, 2003 ('000 hours)

Helicopter Make	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
Rotary Wing - Single Engine								
Aerospatiale/Eurocopter	1.9	1.6	1.3	-	11.5	0.6	10.6	27.5
Agusta	0.2	0.1	0.1	-	1.4	-	0.8	2.6
Bell	2.0	2.6	4.1	3.1	21.5	1.6	29.3	64.2
Enstrom	0.1	0.1	-	0.0	0.0	-	-	0.2
Hiller	-	-	-	1.3	0.6	0.1	0.2	2.3
Hughes	0.4	0.1	2.9	0.4	4.4	0.3	1.5	10.0
Kawasaki	0.2	0.2	0.1	0.6	3.2	0.2	3.4	7.9
McDonnell Douglas	-	0.1	-	0.2	1.6	-	1.3	3.3
Robinson	9.9	8.8	17.6	1.0	78.9	3.0	17.3	136.6
Schweizer	0.2	0.2	0.8	0.0	2.1	0.1	0.5	3.9
Westland	0.0	0.1	-	0.0	0.2	-	0.4	0.7
Amateur-built	0.5	0.1	0.0	0.0	-	0.1	0.0	0.7
Other	-	-	-	0.1	0.7	-	0.2	1.1
Sub Total	15.5	14.2	26.9	6.8	126.0	6.0	65.5	261.0
Rotary Wing - Multi Engine								
Aerospatiale/Eurocopter	0.0	0.4	0.8	0.0	5.6	0.2	5.8	12.7
Agusta	-	0.9	0.1	0.0	0.2	-	0.3	1.6
Bell	0.0	0.6	0.5	0.0	4.5	0.1	1.3	7.0
Kawasaki	-	-	0.5	0.0	3.8	0.1	1.2	5.6
Sikorsky	0.2	3.9	0.4	0.0	0.5	0.1	3.2	8.3
Other	0.0	0.0	-	0.0	0.5	-	0.0	0.6
Sub Total	0.3	5.8	2.3	0.0	15.1	0.5	11.8	35.8
TOTAL ROTARY WING	15.7	20.0	29.2	6.8	141.1	6.6	77.3	296.8

Table 19. Hours flown in General Aviation operations by flying activity and principal makes of balloons and airships, 2003 ('000 hours)

Balloon or Airship Make	Private	Business	Training	Agri-culture	Aerial work	Test & ferry	Charter	TOTAL
Balloon Works	-	0.0	0.0	0.0	0.0	0.0	0.2	0.2
Cameron	0.2	0.0	0.0	0.0	-	0.0	0.6	0.8
Kavanagh	1.4	0.0	0.1	0.0	0.0	0.0	7.0	8.5
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	1.9	0.0	0.1	0.0	-	0.0	8.5	10.4

Table 20a. Number of jet aircraft, landings and total hours flown in General Aviation and Regional Airline operations, by principal aircraft makes, 2003

Aircraft Make	Number of Aircraft	Landings ('000)	Hours Flown ('000)
BAC	12	1.6	0.3
British Aerospace	7	4.7	5.3
Cessna	30	6.0	8.2
Dassault	6	0.4	0.9
Gates Learjet	16	10.3	9.2
Hawker Siddeley	5	-	-
Israel Aircraft	9	3.1	6.0
Mikoyan	8	0.7	0.1
PZL	6	0.3	-
Other	23	5.7	9.4
TOTAL	122	32.9	39.3

Table 20b. Hours flown by jet aircraft in General Aviation and Regional Airline operations, by flying activity and principal aircraft makes, 2003 ('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	0.3
British Aerospace	0	0.5	-	0	0	-	4.8	0	5.3
Cessna	1.9	0.8	3.9	0	0.1	-	1.5	0	8.2
Dassault	0.6	0.1	-	0	0	-	0.1	0	0.9
Gates Learjet	-	0.3	6.0	0	0.5	0.1	2.3	0	9.2
Hawker Siddeley	0	0	0	0	0	-	0	0	-
Israel Aircraft	0	0	0	0	0	0	6.0	0	6.0
Mikoyan	0.1	0	0	0	0	0	0	0	0.1
PZL	-	0	0	0	0	0	0	0	-
Other	1.3	1.9	0.1	0	0.1	-	1.5	4.4	9.4
TOTAL	4.3	3.6	10.0	0	0.8	0.2	16.1	4.4	39.3

Table 21a. Number of amphibious aircraft (a), landings and total hours flown in General Aviation and Regional Airline operations, by principal aircraft makes, 2003

Aircraft Make	Number of Aircraft	Landings (b) ('000)	Hours Flown ('000)
Cessna	15	7.9	3.6
Consolidated	14	2.2	0.7
De Havilland	12	9.8	3.7
Amateur-built	15	1.1	0.5
Other	19	3.9	2.3
TOTAL	75	24.9	10.7

(a) Includes fixed-wing aircraft only.
(b) Survey responses covering 13 aircraft/8,799 landings (35.4 per cent of total landings for this category of aircraft) reported that 74.7 per cent of landings were on water and 25.3 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, 2003 ('000 hours)

Aircraft Make	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Cessna	0.1	-	0.3	0	0.1	0.1	3.1	0	3.6
Consolidated	0.2	0.2	0.1	0	0	-	0.1	0	0.7
De Havilland	0.6	0	0.1	0	0	-	2.9	0	3.7
Amateur-built	0.4	0	-	0	0	-	0	0	0.5
Other	0.2	-	-	0	0	-	2.0	0	2.3
TOTAL	1.6	0.3	0.4	0	0.1	0.2	8.2	0	10.7

(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, 2003

Aircraft Make	No of Aircraft	Landings	**Private**	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
A.E.S.L	15	1,242	**580**	75	37	0	0	7	0	0	699
Aeronca	5	324	**107**	0	43	0	0	0	0	0	150
Air Tractor	9	2,791	**256**	22	5	188	0	0	0	0	471
American Air	70	7,174	**3,960**	477	953	0	48	69	19	0	5,526
Auster	68	3,289	**1,414**	63	78	0	56	21	0	0	1,632
BAC	8	1,627	**220**	0	10	0	31	0	0	0	261
Beagle	7	244	**160**	42	0	0	0	0	0	0	202
Beechcraft	212	29,341	**9,885**	3,625	4,759	0	181	240	171	0	18,861
Bellanca/Champion	40	5,154	**1,165**	78	1,384	0	71	28	5	0	2,731
Boeing	12	1,046	**425**	0	0	0	0	5	0	0	430
Cessna	1,689	428,802	**90,285**	19,445	98,477	252	18,269	2,349	18,254	0	247,331
Cirrus	15	2,447	**1,002**	119	93	0	3	123	24	0	1,364
Commonwealth	22	2,254	**940**	17	33	0	0	5	0	0	995
Consolidated	6	639	**219**	6	21	0	0	19	0	0	265
De Havilland	143	13,016	**3,796**	135	517	50	3	105	1,917	0	6,523
Eagle	7	2,070	**194**	70	791	0	0	0	0	0	1,055
Fuji	8	845	**282**	0	49	0	27	1	9	0	368
Gippsland	5	1,519	**258**	50	10	0	0	0	50	0	368
Hedaro	13	2,102	**549**	34	340	0	9	3	1	0	936
Luscombe	8	1,139	**164**	6	39	0	0	0	0	0	209
Maule	31	3,152	**1,282**	255	120	0	10	32	39	0	1,738
Mooney	105	18,695	**5,056**	1,793	4,826	0	0	65	124	0	11,864
Nanchang	13	1,649	**744**	0	0	0	0	21	0	0	765
North American	24	1,687	**652**	29	8	0	39	33	0	0	761
NZAI	25	2,910	**1,009**	317	5	0	55	0	62	0	1,448
PZL	5	748	**150**	0	0	0	0	0	0	0	150
Piper	866	177,547	**43,678**	7,482	51,467	10	1,040	1,258	3,071	0	108,006
Pitts	13	1,982	**368**	0	170	0	45	9	45	0	637
Robin	6	1,833	**170**	34	1,101	0	7	15	0	0	1,327
Rockwell	16	2,063	**814**	325	343	0	0	21	0	0	1,503
Ryan	8	500	**382**	84	54	0	0	1	4	0	525
SIAI Marchetti	10	1,362	**234**	0	24	0	0	6	0	0	264
Slepcev	6	604	**267**	0	0	0	0	2	0	0	269
Socata	39	11,642	**2,083**	1,027	2,970	0	0	43	0	0	6,123
Stinson	12	304	**213**	0	0	0	0	0	0	0	213
Victa	48	5,316	**1,859**	566	523	0	4	34	0	0	2,986
Yakovlev	23	1,967	**609**	29	14	0	70	13	0	0	735
Amateur Built	483	30,609	**20,337**	1,301	155	0	260	512	0	0	22,565
Other	96	12,991	**2,669**	302	283	0	458	72	19	0	3,803
Sub Total	4,191	784,626	**198,437**	37,808	169,702	500	20,686	5,112	23,814	0	456,059
Fixed Wing - Multi Engine											
Aero Commander	10	1,739	**266**	240	72	0	136	35	840	274	1,863
Beechcraft	109	16,593	**6,753**	1,654	6,081	0	200	226	2,072	312	17,298
Britten Norman	5	2,750	**38**	0	10	0	0	75	629	837	1,589
Cessna	111	16,401	**4,883**	2,427	517	0	1,678	282	6,248	0	16,035
Partenavia	18	3,672	**950**	58	1,035	0	873	33	880	0	3,829
Piper	168	29,055	**8,006**	2,827	7,679	0	1,548	375	5,880	207	26,522
Ted Smith	8	1,150	**193**	168	11	0	0	7	515	0	894
Other	32	3,821	**2,557**	925	371	0	70	105	1,600	0	5,628
Sub Total	461	75,181	**23,646**	8,299	15,776	0	4,505	1,138	18,664	1,630	73,658
TOTAL	4,652	859,807	**222,083**	46,107	188,373	500	25,191	6,250	42,478	1,630	529,717

HELICOPTERS PERFORMING PRIVATE FLYING

Table 22b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2003

Helicopter Make	No of Aircraft	Landings	**Private**	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopter	26	7,948	**1,928**	903	693	10	1,589	118	630	0	5,871
Bell	56	23,512	**2,020**	921	2,379	388	3,972	576	3,226	0	13,482
Hughes	13	3,296	**354**	51	1,038	60	467	119	104	0	2,193
Kawasaki	7	1,307	**230**	60	2	0	19	23	214	0	548
Robinson	119	81,736	**9,893**	2,248	10,389	614	10,669	958	3,534	0	38,305
Amateur Built	22	1,288	**509**	103	0	0	4	34	0	0	650
Other	14	6,109	**536**	137	786	318	778	195	549	0	3,299
Sub Total	257	125,196	**15,470**	4,423	15,287	1,390	17,498	2,023	8,257	0	64,348
Rotary Wing - Multi Engine											
Sub Total	5	1,783	**270**	294	144	0	176	46	170	0	1,100
TOTAL	262	126,979	**15,740**	4,717	15,431	1,390	17,674	2,069	8,427	0	65,448

BALLOONS PERFORMING PRIVATE FLYING

Table 22c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2003

Balloon Make	No of Aircraft	Landings	**Private**	Business	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Balloon Works	7	223	**42**	0	0	0	0	0	158	0	200
Cameron	15	417	**239**	0	0	0	0	0	152	0	391
Kavanagh	83	2543	**1,437**	0	36	0	0	0	868	0	2,341
Thunder/ Colt	10	205	**125**	0	0	0	0	0	38	0	163
Other	2	53	**11**	0	0	0	0	0	38	0	49
TOTAL	117	3,441	**1,854**	0	36	0	0	0	1,254	0	3,144

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, 2003

Aircraft Make	No of Aircraft	Landings	Private	**Business**	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
American Air	13	1,477	307	**751**	201	0	0	27	19	0	1,305
Beechcraft	118	9,851	1,640	**7,704**	935	0	110	145	210	0	10,744
Bellanca/Champion	9	1,726	337	**200**	95	0	1	7	5	0	645
Cessna	851	117,048	12,437	**55,058**	10,465	320	9,895	1,349	7,460	0	96,984
De Havilland	11	1,017	97	**390**	70	50	0	2	70	0	679
Grob	11	17,733	10	**86**	4,746	0	0	68	0	0	4,910
Maule	17	937	231	**491**	69	0	0	38	0	0	829
Mooney	59	4,495	1,003	**4,059**	175	0	0	58	12	0	5,307
NZAI	5	462	153	**317**	0	0	0	0	0	0	470
Piper	331	38,835	7,170	**17,367**	4,958	10	2,082	810	1,573	0	33,970
Rockwell	11	649	339	**400**	12	0	0	8	0	0	759
Socata	35	43,762	573	**1,823**	14,656	0	0	217	0	0	17,269
Victa	12	2,986	411	**606**	236	0	4	12	0	0	1,269
Amateur Built	58	4,727	1,376	**2,438**	22	0	25	180	0	0	4,041
Other	55	6,246	1,050	**3,285**	1,395	105	18	103	78	0	6,034
Sub Total	1,596	251,951	27,134	**94,975**	38,035	485	12,135	3,024	9,427	0	185,215
Fixed Wing - Multi Engine											
Aero Commander	10	2,259	168	**648**	58	0	55	12	372	274	1,587
Beechcraft	106	35,163	963	**7,265**	5,650	0	14,833	188	2,838	0	31,737
Cessna	95	19,573	950	**6,510**	286	0	204	161	5,395	429	13,935
Partenavia	8	1,654	143	**178**	86	0	111	6	545	0	1,069
Piper	136	27,172	1,534	**10,235**	1,249	0	211	210	7,439	669	21,547
Ted Smith	9	486	36	**464**	16	0	0	6	0	0	522
Other	31	12,252	1,076	**3,065**	1,003	0	0	66	2,446	0	7,656
Sub Total	395	98,559	4,870	**28,365**	8,348	0	15,414	649	19,035	1,372	78,053
TOTAL	1,991	350,510	32,004	**123,340**	46,383	485	27,549	3,673	28,462	1,372	263,268

HELICOPTERS PERFORMING BUSINESS FLYING

Table 23b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2003

Helicopter Make	No of Aircraft	Landings	Private	**Business**	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopter	33	16,729	655	**1,589**	438	0	3,385	163	2,701	0	8,931
Agusta	5	2,817	5	**85**	0	0	664	0	372	0	1,126
Bell	63	30,934	730	**2,642**	1,205	0	6,274	141	3,687	0	14,679
Hughes	9	4,423	17	**138**	1,031	10	648	103	340	0	2,287
Kawasaki	13	5,446	55	**226**	2	0	1,241	8	674	0	2,206
McDonnell Douglas	7	4,105	0	**124**	9	0	997	2	519	0	1,651
Robinson	124	56,122	1,325	**8,828**	2,710	10	10,034	329	5,590	0	28,826
Schweizer	8	5,814	79	**195**	749	0	854	77	532	0	2,486
Amateur Built	9	493	115	**139**	0	0	0	34	0	0	288
Other	10	3,717	59	**245**	29	0	743	8	446	0	1,530
Sub Total	281	130,600	3,040	**14,211**	6,173	20	24,840	865	14,861	0	64,010
Rotary Wing - Multi Engine											
Aerospatiale/Eurocopter	5	5,616	0	**396**	0	0	1,062	0	604	0	2,062
Agusta	6	3,745	31	**938**	66	0	184	11	326	0	1,556
Bell	7	8,158	0	**569**	58	0	1,447	11	831	0	2,916
Sikorsky	8	24,170	194	**3,896**	2	0	165	1	151	0	4,409
Other	4	3,516	1	**13**	274	0	1,284	73	26	0	1,671
Sub Total	30	45,205	226	**5,812**	400	0	4,142	96	1,938	0	12,614
TOTAL	311	175,805	3,266	**20,023**	6,573	20	28,982	961	16,799	0	76,624

BALLOONS PERFORMING BUSINESS FLYING

Table 23c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2003

Balloon Make	No of Aircraft	Landings	Private	**Business**	Training	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Other	0	0	0	**0**	0	0	0	0	0	0	0
TOTAL	0	0	0	**0**	0	0	0	0	0	0	0

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, 2003

Aircraft Make	No of Aircraft	Landings	Private	Business	**Training**	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
American Air	16	4,082	1,699	257	**1,105**	0	48	36	19	0	3,164
Beechcraft	61	17,746	2,393	2,275	**5,420**	0	0	146	379	0	10,613
Bellanca/Champion	19	4,560	498	41	**1,932**	0	7	16	5	0	2,499
Cessna	796	449,055	31,644	8,788	**158,086**	151	10,098	2,100	40,307	1,828	253,002
Cirrus	6	819	325	102	**110**	0	3	52	24	0	616
Consolidated Aeronautics	5	1,763	148	48	**58**	0	0	14	137	0	405
De Havilland	25	13,945	1,037	60	**761**	0	0	68	4,508	0	6,434
Eagle	5	2,388	28	0	**1,241**	0	0	0	0	0	1,269
Gippsland	5	1,931	130	50	**109**	386	0	28	645	0	1,348
Grob	48	64,350	0	56	**33,398**	0	0	48	0	0	33,502
Hedaro	7	2,516	176	0	**847**	0	9	1	1	0	1,034
Maule	10	1,810	245	95	**138**	0	34	1	450	0	963
Mooney	31	15,304	1,777	1,349	**5,509**	0	0	30	392	0	9,057
North American	5	174	15	0	**31**	0	114	15	29	0	204
Pacific Aerospace	26	41,926	0	0	**17,493**	0	0	0	0	0	17,493
Pilatus	19	19,398	0	364	**381**	0	18,161	127	820	0	19,853
Piper	452	178,930	20,660	4,920	**75,601**	10	1,292	1,277	3,310	0	107,070
Rockwell	6	1,329	344	115	**384**	0	0	19	0	0	862
Socata	48	54,439	1,064	720	**20,548**	0	0	195	0	0	22,527
Victa	14	2,542	423	157	**957**	0	0	30	0	0	1,567
Amateur Built	26	2,325	969	376	**257**	0	10	95	0	0	1,707
Other	56	15,719	1,181	263	**6,216**	0	2,499	420	68	0	10,647
Sub Total	1,686	897,051	64,756	20,036	**330,582**	547	32,275	4,718	51,094	1,828	505,836
Fixed Wing - Multi Engine											
Aero Commander	20	12,463	160	228	**258**	0	291	113	7,326	273	8,649
Beechcraft	151	85,421	3,076	3,192	**22,817**	0	38,482	595	14,556	2,672	85,390
Britten Norman	14	9,453	7	0	**275**	0	6,081	183	1,275	2,639	10,460
Cessna	121	41,616	1,641	2,603	**6,779**	0	3,262	563	20,378	3,216	38,442
De Havilland	20	33,056	20	0	**151**	0	10,138	44	732	30,730	41,815
Douglas	5	557	0	0	**63**	0	0	0	552	0	615
Embraer	6	4,737	0	0	**138**	0	0	11	1,927	2,957	5,033
Fairchild	16	15,240	0	0	**288**	0	0	72	12,447	1,955	14,762
Fokker	7	8,801	0	0	**164**	0	665	41	1,645	10,187	12,702
Gates Learjet	8	8,804	0	266	**5,972**	0	525	68	223	0	7,054
Grumman	6	3,424	5	50	**552**	0	25	15	1,681	0	2,328
Partenavia	28	9,304	795	82	**3,017**	0	1,127	112	2,553	568	8,254
Piper	167	49,866	3,124	1,937	**19,286**	0	1,870	676	12,982	6,454	46,329
Reims-Cessna	5	1,776	0	0	**126**	0	2,631	52	521	0	3,330
Ted Smith	6	1,234	38	156	**342**	0	0	9	329	0	874
Other	13	6,710	579	823	**182**	0	40	60	1,404	2,309	5,397
Sub Total	593	292,462	9,445	9,337	**60,410**	0	65,137	2,614	80,531	63,960	291,434
TOTAL	2,279	1,189,513	74,201	29,373	**390,992**	547	97,412	7,332	131,625	65,788	797,270

HELICOPTERS PERFORMING TRAINING FLYING

Table 24b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2003

Helicopter Make	No of Aircraft	Landings	Private	Business	**Training**	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopter	48	22,904	912	1,050	**1,332**	10	6,009	443	4,680	0	14,436
Bell	64	38,210	535	958	**4,054**	683	7,768	873	6,513	0	21,384
Hughes	16	11,213	85	25	**2,920**	10	3,154	212	1,083	0	7,489
Kawasaki	5	4,102	11	15	**78**	0	607	36	753	0	1,500
Robinson	105	92,443	2,592	1,163	**17,589**	432	8,340	1,222	8,023	0	39,361
Other	61	8,409	98	199	**934**	408	1,618	213	1,104	0	4,574
Sub Total	251	177,281	4,233	3,410	**26,907**	1,543	27,496	2,999	22,156	0	88,744
Rotary Wing - Multi Engine											
Aerospatiale/Eurocopter	15	19,551	0	0	**806**	0	4,466	196	5,181	0	10,649
Bell	11	10,605	0	14	**512**	0	3,605	111	465	0	4,707
Kawasaki	11	7,545	1	13	**479**	0	2,963	102	354	0	3,912
Sikorsky	12	10,908	194	45	**403**	0	311	96	3,000	0	4,049
Other	18	2,027	0	494	**105**	0	511	7	5	0	1,122
Sub Total	52	50,636	195	566	**2,305**	0	11,856	512	9,005	0	24,439
TOTAL	303	227,917	4,428	3,976	**29,212**	1,543	39,352	3,511	31,161	0	113,183

BALLOONS PERFORMING TRAINING FLYING

Table 24c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2003

Balloon Make	No of Aircraft	Landings	Private	Business	**Training**	Agri-culture	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Kavanagh	6	256	142	0	**60**	0	0	0	42	0	244
Other	0	0	0	0	**0**	0	0	0	0	0	0
TOTAL	6	256	142	0	**60**	0	0	0	42	0	244

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, 2003

Aircraft Make	No of Aircraft	Landings	Private	Business	Training	**Agri-culture**	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
Air Parts	19	29,105	0	0	0	**4,407**	0	159	0	0	4,566
Air Tractor	80	49,191	17	0	0	**20,843**	199	65	0	0	21,124
Ayres	28	10,145	0	0	0	**5,832**	0	9	0	0	5,841
Cessna	64	28,638	296	460	151	**9,436**	712	227	43	0	11,325
Gippsland	10	7,949	0	0	80	**3,359**	0	4	0	0	3,443
Grumman	10	6,233	0	0	0	**2,029**	0	21	0	0	2,050
PZL	15	8,597	0	0	0	**3,040**	0	37	0	0	3,077
Piper	61	25,686	68	38	196	**10,364**	10	58	12	0	10,746
Rockwell	8	2,753	0	0	0	**1,135**	0	10	0	0	1,145
Transavia	9	3,374	0	0	0	**1,099**	0	2	0	0	1,101
Other	1	2,085	0	0	0	**196**	0	25	0	0	1,691
Sub Total	312	181,393	393	632	427	**62,907**	997	698	55	0	66,109
Fixed Wing - Multi Engine											
Sub Total	0	0	0	0	0	**0**	0	0	0	0	0
TOTAL	312	181,393	393	632	427	**62,907**	997	698	55	0	66,109

HELICOPTERS PERFORMING AGRICULTURAL FLYING

Table 25b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2003

Helicopter Make	No of Aircraft	Landings	Private	Business	Training	**Agri-culture**	Aerial Work	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Bell	16	13,166	34	0	40	**3,112**	1,009	379	82	0	4,656
Hiller	6	7,107	5	0	18	**1,349**	420	142	94	0	2,028
Hughes	5	1,581	15	20	5	**437**	200	20	0	0	697
Robinson	14	18,838	543	29	390	**1,036**	4,148	525	261	0	6,932
Other	7	3,140	193	0	5	**885**	213	5	162	0	1,463
TOTAL	48	43,832	790	49	458	**6,819**	5,990	1,071	599	0	15,776

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, 2003

Aircraft Make	No of Aircraft	Landings	Private	Business	Training	Agri-culture	**Aerial Work**	Test & Ferry	Charter	Regional Airline	TOTAL
Fixed Wing - Single Engine											
Air Tractor	8	2,010	0	0	0	325	**925**	0	0	0	1,250
Auster	5	376	75	53	47	0	**56**	2	0	0	233
Beechcraft	6	507	104	169	0	0	**218**	30	41	0	562
Bellanca/Champion	10	4,680	23	24	64	0	**2,334**	0	0	0	2,445
Cessna	435	162,667	12,691	8,775	25,503	227	**55,950**	1,714	17,507	312	122,679
IMCO	6	3,632	0	0	0	1	**1,096**	2	0	0	1,099
Pilatus	17	17,816	0	0	331	0	**18,161**	125	0	0	18,617
Piper	93	49,950	702	1,030	2,328	10	**12,405**	379	1,353	0	18,207
PZL	11	691	0	0	0	0	**846**	0	0	0	846
Other	44	9,063	589	112	1,534	0	**6,676**	543	120	0	9,574
Sub Total	635	251,392	14,184	10,163	29,807	563	**98,667**	2,795	19,021	312	175,512
Fixed Wing - Multi Engine											
Aero Commander	14	6,120	65	40	81	0	**3,353**	34	1,854	547	5,974
Beechcraft	55	46,665	219	1,000	1,292	0	**39,790**	371	1,897	1,615	46,184
Britten Norman	9	2,838	0	0	221	0	**6,118**	67	596	0	7,002
Cessna	61	23,835	472	701	198	0	**12,916**	404	6,865	2,858	24,414
De Havilland	7	2,578	20	0	52	0	**10,138**	44	700	0	10,954
Partenavia	10	3,084	305	77	498	0	**1,136**	51	945	143	3,155
Piper	35	12,421	428	302	1,297	0	**3,476**	358	2,964	3,083	11,908
Other	10	2,452	20	0	195	0	**5,794**	164	829	0	7,002
Sub Total	201	99,993	1,529	2,120	3,834	0	**82,721**	1,493	16,650	8,246	116,593
TOTAL	836	351,385	15,713	12,283	33,641	563	**181,388**	4,288	35,671	8,558	292,105

HELICOPTERS PERFORMING AERIAL WORK FLYING

Table 26b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2003

Helicopter Make	No of Aircraft	Landings	Private	Business	Training	Agri-culture	**Aerial Work**	Test & Ferry	Charter	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopter	64	34,214	843	750	1,056	10	**11,538**	499	6,330	0	21,026
Agusta	9	4,641	207	80	60	23	**1,372**	14	525	0	2,281
Bell	115	63,728	405	883	2,009	2,055	**21,543**	969	8,548	0	36,412
Hiller	5	6,818	5	16	18	1,005	**587**	142	188	0	1,961
Hughes	20	9,662	154	77	1,199	78	**4,382**	232	581	0	6,703
Kawasaki	20	13,421	31	161	73	84	**3,164**	148	1,795	0	5,456
McDonnell Douglas	8	4,803	0	124	14	0	**1,619**	19	544	0	2,320
Robinson	235	253,449	4,809	1,934	6,969	844	**78,911**	2,275	12,433	0	108,175
Schweizer	13	7,482	244	188	761	0	**2,051**	85	532	0	3,861
Other	6	2,751	4	65	0	0	**860**	12	320	0	1,261
Sub Total	495	400,969	6,702	4,278	12,159	4,099	**126,027**	4,395	31,796	0	189,456
Rotary Wing - Multi Engine											
Aerospatiale/Eurocopter	14	16,606	0	396	415	0	**5,552**	57	604	0	7,024
Bell	14	15,856	0	569	454	0	**4,531**	93	934	0	6,581
Kawasaki	14	9,047	1	13	466	0	**3,801**	96	876	0	5,253
Sikorsky	6	3,879	0	94	321	0	**476**	31	208	0	1,130
Other	3	2,395	21	102	39	0	**695**	9	321	0	1,187
Sub Total	51	47,783	22	1,174	1,695	0	**15,055**	286	2,943	0	21,175
TOTAL	546	448,752	6,724	5,452	13,854	4,099	**141,082**	4,681	34,739	0	210,631

BALLOONS PERFORMING AERIAL WORK FLYING

Table 26c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2003

Balloon Make	No of Aircraft	Landings	Private	Business	Training	Agri-culture	**Aerial Work**	Test & Ferry	Charter	Regional Airline	TOTAL
Other	3	9	0	0	0	0	**12**	0	0	0	12
Sub Total	3	9	0	0	0	0	**12**	0	0	0	12
TOTAL	3	9	0	0	0	0	**12**	0	0	0	12

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, 2003

Aircraft Make	No of Aircraft	Landings	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	**Charter**	Regional Airline	TOTAL
Fixed Wing - Single Engine											
Beechcraft	15	4,964	321	111	295	0	88	41	**3,091**	0	3,947
Cessna	421	251,747	11,767	3,864	33,755	14	12,461	1,614	**92,812**	1,926	158,213
De Havilland	37	20,278	293	60	622	0	3	166	**7,232**	0	8,376
Gippsland	5	2,506	130	50	27	0	0	8	**1,725**	0	1,940
Mooney	12	11,248	1,267	187	4,265	0	0	12	**422**	0	6,153
Piper	84	41,421	4,525	987	9,090	10	229	310	**11,939**	0	27,090
Other	22	6,738	626	395	458	0	136	56	**1,944**	0	3,615
Sub Total	596	338,902	18,929	5,654	48,512	24	12,917	2,207	**119,165**	1,926	209,334
Fixed Wing - Multi Engine											
Aero Commander	42	35,616	155	140	218	0	344	114	**22,204**	547	23,722
Beechcraft	128	55,288	1,335	885	2,812	0	794	233	**33,737**	3,037	42,833
British Aerospace	10	6,821	0	20	12	0	0	1	**7,283**	422	7,738
Britten Norman	21	14,602	38	10	71	0	22	270	**4,477**	2,639	7,527
Cessna	195	84,913	1,602	1,389	1,177	0	1,809	372	**49,476**	9,486	65,311
De Havilland	22	33,367	20	20	115	0	40	35	**3,859**	27,100	31,189
Douglas	5	557	0	0	63	0	0	0	**552**	0	615
Embraer	16	8,529	0	71	138	0	0	11	**3,623**	3,077	6,920
Fairchild	38	25,967	0	40	288	0	0	74	**23,104**	2,387	25,893
Fokker	7	8,830	0	0	160	0	0	0	**1,949**	10,187	12,296
Gates Learjet	7	1,892	0	20	20	0	525	40	**2,290**	0	2,895
Israel Aircraft	8	3,110	0	0	0	0	0	0	**5,968**	0	5,968
Partenavia	28	10,751	585	117	1,223	0	1,062	101	**3,939**	568	7,595
Piper	221	96,018	1,419	2,114	5,084	0	763	670	**52,134**	10,578	72,762
Swearingen	7	1,852	10	40	36	0	0	1	**1,524**	0	1,611
Ted Smith	8	7,943	1	0	33	0	0	1	**4,077**	0	4,112
Other	20	12,212	285	136	160	0	40	55	**4,065**	1,887	6,628
Sub Total	783	408,268	5,450	5,002	11,610	0	5,399	1,978	**224,261**	71,915	325,615
TOTAL	1,379	747,170	24,379	10,656	60,122	24	18,316	4,185	**343,426**	73,841	534,949

HELICOPTERS PERFORMING CHARTER FLYING

Table 27b. Number of helicopters, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal helicopter makes, 2003

Helicopter Make	No of Aircraft	Landings	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	**Charter**	Regional Airline	TOTAL
Rotary Wing - Single Engine											
Aerospatiale/Eurocopter	57	32,342	1,112	1,101	756	10	5,630	379	**10,564**	0	19,552
Agusta	7	4,177	27	80	20	0	985	34	**775**	0	1,921
Bell	137	83,967	562	1,354	1,851	1,338	13,298	1,132	**29,285**	0	48,820
Hughes	14	7,740	129	72	189	0	3,393	118	**1,512**	0	5,413
Kawasaki	23	13,640	125	166	76	0	2,397	130	**3,412**	0	6,306
McDonnell Douglas	10	6,718	0	124	24	168	1,619	30	**1,336**	0	3,301
Robinson	123	96,099	940	1,220	12,467	209	10,555	687	**17,312**	0	43,390
Schweizer	6	4,340	75	184	31	0	848	40	**532**	0	1,710
Other	10	6,231	55	194	45	408	1,027	85	**804**	0	2,618
Sub Total	387	255,254	3,025	4,495	15,459	2,133	39,752	2,635	**65,532**	0	133,031
Rotary Wing -Multi Engine											
Aerospatiale/Eurocopter	12	13,696	0	376	391	0	662	144	**5,791**	0	7,364
Bell	10	8,564	0	555	74	0	1,037	32	**1,296**	0	2,994
Kawasaki	8	4,900	0	5	104	0	1,048	31	**1,231**	0	2,419
Sikorsky	10	10,654	0	94	161	0	436	89	**3,151**	0	3,931
Other	3	1,658	21	346	36	0	184	8	**326**	0	921
Sub Total	43	39,472	21	1,376	766	0	3,367	304	**11,795**	0	17,629
TOTAL	430	294,726	3,046	5,871	16,225	2,133	43,119	2,939	**77,327**	0	150,660

BALLOONS PERFORMING CHARTER FLYING

Table 27c. Number of balloons, hours flown and landings in General Aviation and Regional Airline operations, by flying activity and principal balloon makes, 2003

Balloon Make	No of Aircraft	Landings	Private	Business	Training	Agri-culture	Aerial Work	Test & Ferry	**Charter**	Regional Airline	TOTAL
Cameron	10	669	32	0	0	0	0	0	**572**	0	604
Kavanagh	98	7,851	279	0	29	0	0	0	**6,972**	0	7,280
Thunder/ Colt	11	722	8	0	0	0	0	0	**688**	0	696
Other	7	303	44	0	0	0	0	0	**233**	0	277
TOTAL	126	9,545	363	0	29	0	0	0	**8,465**	0	8,857

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, 2003

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	10482	0	0	57	0	9	68	1939	**5026**	7,099
Sub Total	9	10,482	0	0	57	0	9	68	1,939	**5,026**	7,099
Fixed Wing - Multi Engine											
Beechcraft	13	12,102	12	0	186	0	419	34	3,306	**4,838**	8,795
Britten Norman	5	7,563	4	0	38	0	0	117	358	**3,022**	3,539
Cessna	37	35,416	0	70	108	0	63	77	10,716	**12,473**	23,507
De Havilland	39	92,121	0	0	99	0	0	14	284	**90,454**	90,851
Embraer	12	9,768	0	0	67	0	0	11	721	**9,467**	10,266
Fairchild	29	41,233	0	0	43	0	0	34	1,788	**31,471**	33,336
Fokker	8	10,130	0	0	160	0	0	0	1,645	**13,031**	14,836
Piper	36	24,131	26	143	203	0	394	188	3,466	**12,236**	16,656
Saab	20	47,143	0	0	0	0	0	0	0	**40,784**	40,784
Other	11	17,800	25	30	50	0	88	70	654	**11,848**	12,765
Sub Total	210	297,407	67	243	954	0	964	545	22,938	**229,624**	255,335
Rotary Wing - Single Engine											
Sub Total	0	0	0	0	0	0	0	0	0	**0**	0
TOTAL	219	307,889	67	243	1,011	0	973	613	24,877	**234,650**	262,434

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, 2003

Engine Type	Number of Aircraft	Number of Engines	Total Hours Flown ('000)
Reciprocating Engines			
Amateur Built Aircraft			
Ardem	5	5	0.3
Avtech	54	54	1.7
Bombardier Rotax	74	74	2.5
Continental	86	86	2.0
Lycoming	442	442	16.5
Revmaster	37	37	0.5
Rolls-Royce	10	10	0.1
Subaru	11	11	0.1
Volkswagen	28	28	0.1
Other	40	40	0.7
Sub Total	787	787	24.6
Fixed Wing Single Engine Aircraft			
Avtech	5	5	0.2
Blackburn	22	22	0.3
Bombardier Rotax	52	52	3.8
Bristol	8	8	0.5
Continental	2,496	2,496	275.2
De Havilland	390	390	7.3
Franklin	15	15	0.2
General Motors Holden	13	13	0.9
Jacobs	14	14	0.4
Lycoming	3,143	3,143	518.4
Packard	8	8	-
PZL	33	33	3.2
Pratt & Whitney	154	154	11.9
Rolls-Royce	17	17	0.3
Vedeney	29	29	0.7
Walter	7	7	0.1
Warner	7	7	0.1
Wright	18	18	0.3
Zhou Zhou Housai	18	18	0.8
Other	33	33	1.3
Sub Total	6,482	6,482	825.9
Fixed Wing Multi Engine Aircraft			
Continental	573	1,146	122.7
De Havilland	14	33	0.2
Lycoming	627	1,260	166.4
Pratt & Whitney	31	64	1.6
Wright	8	18	0.1
Other	10	21	0.3
Sub Total	1,263	2,542	291.2
Rotary Wing Single Engine Aircraft (Includes Amateur Built & Gyroplanes)			
Bombardier-Rotax	11	11	0.1
Lycoming	636	636	165.4
Rotorway	39	39	0.5
Other	8	9	1.0
Sub Total	694	695	167.0
Balloons and Airships			0
Sub Total	0	0	0

Table 29. Number of aircraft, engines and hours flown in General Aviation and Regional Airline operations, by propulsion type and principal engine makes, 2003 - continued

Engine Type		Number of Aircraft	Number of Engines	Total Hours Flown ('000)
Turbofan				
	Fixed Wing Multi Engine Aircraft			
	Garrett	29	61	12.9
	Lycoming	7	28	6.1
	Pratt and Whitney Canada	25	50	8.2
	Rolls-Royce	6	12	5.2
	Other	10	21	7.1
	Sub Total	71	160	34.4
	Fixed Wing Single Engine Aircraft			
	Sub Total	3	3	0.2
Turbojet				
	Fixed Wing Single Engine Aircraft			
	IL	5	5 -	
	Klimov	8	8	0.1
	Rolls-Royce	17	17	0.3
	Other	11	11	-
	Sub Total	36	36	0.4
	Fixed Wing Multi Engine Aircraft			
	Sub Total	12	24	4.4
Turboprop				
	Fixed Wing Single Engine Aircraft			
	Allison	9	9	0.2
	Garrett	32	32	6.6
	Pratt and Whitney Canada	163	163	62.6
	Other	2	2	0.1
	Sub Total	206	206	69.5
	Fixed Wing Multi Engine Aircraft			
	Allison	5	10	0.9
	Garrett	114	228	78.4
	General Electric	22	44	40.8
	Pratt and Whitney Canada	199	398	199.6
	Rolls-Royce	10	20	3.3
	Other	0	0	0
	Sub Total	350	700	322.9

Table 29. Number of aircraft, engines and hours flown in General Aviation and Regional Airline operations, by propulsion type and principal engine makes, 2003 - continued

Engine Type		Number of Aircraft	Number of Engines	Total Hours Flown ('000)
Turboshaft (rotorcraft)				
	Rotary Wing Single Engine Aircraft			
	Allison	231	231	65.1
	Lycoming	11	11	1.8
	Turbomeca	90	90	25.6
	Other	9	9	2.0
	Sub Total	341	341	94.4
	Rotary Wing Multi Engine Aircraft			
	Allison	10	20	2.2
	Lycoming	20	40	6.2
	Pratt and Whitney Canada	21	42	7.5
	Turbomeca	35	70	19.5
	Sub Total	86	172	35.4
Rotary				
	Amateur Built Fixed Wing Single Engine			
	Sub Total	1	1	0
	Fixed Wing Single Engine Aircraft			
	Sub Total	1	1	0
No Power				
	Balloons	338	0	10.4
	Sub Total	338	0	10.4
TOTAL		10,671	12,150	1,880.6

Table 30. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by propulsion fuel type, 2003

Fuel Type		Number of Aircraft	Total Hours Flown ('000)
Amateur Built			
	Gasoline	787	24.6
	Kerosene	2	0.1
	Sub Total	789	24.6
Fixed Wing Single Engine			
	Diesel	2	0.1
	Gasoline	6,481	825.7
	Kerosene	244	70.1
	Sub Total	6,727	896.0
Fixed Wing Multi Engine			
	Gasoline	1,263	291.2
	Kerosene	433	361.6
	Sub Total	1,696	652.8
Rotary Wing Amateur Built			
	Gasoline	60	0.7
	Kerosene	1	0
	Sub Total	61	0.7
Rotary Wing Single Engine			
	Gasoline	635	166.2
	Kerosene	338	94.1
	Sub Total	973	260.3
Rotary Wing Multi Engine			
	Kerosene	87	35.8
	Sub Total	87	35.8
Balloons & Airships			
	None	338	10.4
	Gasoline	0	0
	Sub Total	338	10.4
TOTAL		10,671	1,880.6

SECTION G. COUNTRY OF MANUFACTURE

Table 31. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by country of manufacture, 2003

Country	Number of Aircraft	Total Hours Flown ('000)
Fixed Wing Single Engine (a)		
Australia	1,208	46.6
Austria	8	0.9
Canada	48	8.6
China	18	0.8
Czechoslovakia	14	0.4
France	112	27.4
Germany	65	33.6
Italy	23	0.6
Japan	13	0.4
New Zealand	109	27.7
Poland	48	4.2
Russia	33	0.7
Switzerland	22	19.9
United Kingdom	312	4.4
United States	5,477	744.3
Other	6	0.1
Sub Total	7,516	920.6
Fixed Wing Multi Engine		
Australia	16	1.1
Brazil	27	13.5
Canada	59	105.9
France	12	4.4
Holland	12	15.9
Israel	9	6.0
Italy	44	9.9
Sweden	22	40.8
United Kingdom	76	31.8
United States	1,413	420.9
Other	6	2.7
Sub Total	1,696	652.8
Rotary Wing Single Engine (a)		
Australia	61	0.7
Canada	15	3.5
France	96	27.5
Italy	16	2.7
Japan	44	7.9
United Kingdom	6	0.7
United States	795	218.0
Other	1	0.1
Sub Total	1,034	261.0

(a) Includes Amateur Built aircraft.

Table 31. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by country of manufacture, 2003 - continued

Country	Number of Aircraft	Total Hours Flown ('000)
Rotary Wing Multi Engine		
France	22	12.7
Italy	7	1.6
Japan	19	5.6
United States	37	14.9
Other	2	1.0
Sub Total	87	35.8
Balloons and Airships		
Australia	219	8.5
United Kingdom	95	1.7
United States	22	0.3
Other	2	0
Sub Total	338	10.4
TOTAL	10,671	1,880.6

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, 2003

Category	Age (years)	Number of Aircraft	Total Hours Flown ('000)
Amateur Built			
	New this year	74	0.9
	1-5	295	12.3
	6-10	132	5.2
	11-15	91	1.9
	16-20	77	1.6
	21-25	63	1.9
	26-30	33	0.5
	31-35	15	0.3
	36-40	6	-
	Over 40	3	-
	Sub Total	789	24.6
Fixed Wing Single Engine			
	New this year	39	2.1
	1-5	196	62.9
	6-10	254	80.1
	11-15	199	50.5
	16-20	147	20.7
	21-25	1,427	286.8
	26-30	1,570	224.9
	31-35	485	47.5
	36-40	1,067	72.8
	Over 40	1,343	47.6
	Sub Total	6,727	896.0
Fixed Wing Multi Engine			
	New this year	10	7.9
	1-5	41	46.5
	6-10	75	79.4
	11-15	86	86.4
	16-20	97	87.9
	21-25	531	176.0
	26-30	412	108.8
	31-35	210	38.5
	36-40	143	15.9
	Over 40	91	5.4
	Sub Total	1,696	652.8

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

Table 32. Number of aircraft and hours flown in General Aviation and Regional Airline operations, by age (a) of aircraft, 2003 - continued

Category	Age (years)	Number of Aircraft	Total Hours Flown ('000)
Rotary Wing Amateur Built			
	New this year	6	-
	1-5	38	0.6
	6-10	16	0.1
	11-15	1	0
	Sub Total	61	0.7
Rotary Wing Single Engine			
	New this year	47	8.4
	1-5	146	40.1
	6-10	96	29.9
	11-15	202	66.7
	16-20	79	22.8
	21-25	163	43.3
	26-30	73	20.0
	31-35	85	15.5
	36-40	63	11.2
	Over 40	19	2.3
	Sub Total	973	260.3
Rotary Wing Multi Engine			
	New this year	3	0.6
	1-5	6	2.1
	6-10	10	5.7
	11-15	28	9.6
	16-20	10	5.8
	21-25	26	10.9
	26-30	3	0.9
	31-35	1	0.1
	Sub Total	87	35.8
Balloons and Airshps			
	New this year	16	0.3
	1-5	91	6.1
	6-10	87	2.6
	11-15	58	0.8
	16-20	61	0.6
	21-25	15	0.1
	26-30	10	-
	Sub Total	338	10.4
TOTAL		10,671	1,880.6

(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 1993, 2002 and 2003

Category	Total Hours Flown	Number of Aircraft		
		1993	At Dec 2002 (a)	At Dec 2003 (a)
Amateur Built				
	0	100	211	263
	1-10	50	81	85
	11-20	65	47	72
	21-30	69	71	64
	31-40	30	86	93
	41-50	21	54	45
	51-60	9	33	27
	61-70	15	25	36
	71-80	5	13	20
	81-90	10	20	16
	91-100	4	15	25
	101-110	4	12	9
	111-120	1	6	5
	121-130	2	7	4
	131-140	1	3	7
	141-150	2	4	1
	151-160	2	1	4
	161-170		2	1
	171-180	1		1
	181-190		3	2
	191-200	2	4	4
	201-250	2	3	3
	251-300	2	4	2
	301-350	1	2	
	501-600	1		
	801-900	1		
	1001-1500	1		
	Sub Total	401	707	789
Fixed Wing Single Engine				
	0	630	1,040	1,118
	1-10	392	471	493
	11-20	383	410	421
	21-30	359	402	411
	31-40	463	608	620
	41-50	282	340	344
	51-60	254	273	240
	61-70	248	219	234
	71-80	229	228	224
	81-90	203	198	195
	91-100	197	182	209
	101-110	172	149	152
	111-120	133	125	116
	121-130	135	101	97
	131-140	98	78	55
	141-150	93	97	108
	151-160	81	74	47
	161-170	92	54	71
	171-180	70	52	76
	181-190	81	48	45
	191-200	55	74	83

(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.

Table 33. Frequency distribution of aircraft in General Aviation and Regional Airline operations, by aircraft category and total hours flown, years ended 31 December 1993, 2002 and 2003 - continued

Category	Total Hours Flown	Number of Aircraft		
		1993	At Dec 2002 (a)	At Dec 2003 (a)
Fixed Wing Single Engine				
	201-250	257	251	245
	251-300	228	214	175
	301-350	207	151	154
	351-400	166	132	136
	401-450	115	126	102
	451-500	129	93	90
	501-600	175	161	156
	601-700	128	116	97
	701-800	100	63	81
	801-900	43	50	59
	901-1000	29	34	26
	1001-1500	41	48	40
	1501-2000	10	6	7
	Sub Total	6,278	6,668	6,727
Fixed Wing Multi Engine				
	0	175	205	212
	1-10	47	55	55
	11-20	43	38	53
	21-30	47	42	38
	31-40	33	33	53
	41-50	44	45	39
	51-60	39	51	43
	61-70	36	38	33
	71-80	46	31	38
	81-90	38	39	44
	91-100	58	34	32
	101-110	35	23	29
	111-120	27	25	37
	121-130	21	22	15
	131-140	34	13	16
	141-150	21	30	28
	151-160	25	18	21
	161-170	23	21	25
	171-180	45	23	57
	181-190	15	16	25
	191-200	20	24	29
	201-250	96	146	85
	251-300	93	80	94
	301-350	93	70	56
	351-400	61	68	48
	401-450	49	66	50
	451-500	64	46	46

(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.

Table 33. Frequency distribution of aircraft in General Aviation and Regional Airline operations, by aircraft category and total hours flown, years ended 31 December 1993, 2002 and 2003 - continued

Category	Total Hours Flown	Number of Aircraft		
		1993	At Dec 2002 (a)	At Dec 2003 (a)
Fixed Wing Multi Engine (cont'd)				
	501-600	98	85	69
	601-700	69	51	36
	701-800	63	35	40
	801-900	37	26	33
	901-1000	32	28	31
	1001-1500	75	86	89
	1501-2000	30	44	38
	Over 2000	33	49	59
	Sub Total	1,765	1,706	1,696
Rotary Wing Amateur Built				
	0	2	25	34
	1-10	1	9	7
	11-20		7	5
	21-30		6	6
	31-40		2	4
	41-50			1
	51-60		1	
	61-70	1		2
	71-80			1
	81-90		1	1
	91-100		1	
	121-130		1	
	131-140	1		
	Sub Total	5	53	61
Rotary Wing Single Engine				
	0	82	141	174
	1-10	10	27	28
	11-20	17	18	16
	21-30	11	12	18
	31-40	10	10	17
	41-50	16	16	12
	51-60	4	7	12
	61-70	7	11	15
	71-80	12	9	19
	81-90	11	12	13
	91-100	14	14	24
	101-110	17	9	7
	111-120	5	11	12
	121-130	13	5	12
	131-140	14	7	10
	141-150	16	18	10
	151-160	9	9	14
	161-170	9	14	17
	171-180	7	13	7
	181-190	4	6	7
	191-200	6	16	10

(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.

Table 33. Frequency distribution of aircraft in General Aviation and Regional Airline operations, by aircraft category and total hours flown, years ended 31 December 1993, 2002 and 2003 - continued

Category	Total Hours Flown	Number of Aircraft		
		1993	At Dec 2002 (a)	At Dec 2003 (a)
Rotary Wing Single Engine (cont'd)				
	201-250	70	45	34
	251-300	27	112	163
	301-350	30	74	37
	351-400	28	34	50
	401-450	17	36	27
	451-500	10	33	44
	501-600	43	70	54
	601-700	24	37	37
	701-800	17	33	21
	801-900	14	14	16
	901-1000	7	10	22
	1001-1500	20	21	14
	1501-2000	2		
	Sub Total	603	904	973
Rotary Wing Multi Engine				
	0	3	3	4
	1-10	1		3
	11-20		1	1
	21-30	1	1	1
	31-40		1	1
	41-50	2		1
	51-60			1
	61-70	1	1	1
	71-80		1	
	81-90	1		1
	91-100		1	
	101-110			1
	111-120		1	1
	121-130	1		
	131-140			2
	141-150	2	2	2
	161-170	1		
	181-190	3	1	
	191-200		1	
	201-250	11	2	8
	251-300	9	1	8
	301-350	5	8	3
	351-400	3	6	4
	401-450	4	3	15
	451-500	12	2	3
	501-600	4	15	4
	601-700	6	11	8
	701-800	3	6	4
	801-900		4	3
	901-1000	4	1	2
	1001-1500	6	6	5
	1501-2000		2	
	Sub Total	83	81	87

(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.

Table 33. Frequency distribution of aircraft in General Aviation and Regional Airline operations, by aircraft category and total hours flown, years ended 31 December 1993, 2002 and 2003 - continued

Category	Total Hours Flown	Number of Aircraft		
		1993	At Dec 2002 (a)	At Dec 2003 (a)
Balloons and airships				
	0	54	118	126
	1-10	21	42	46
	11-20	22	25	30
	21-30	65	15	17
	31-40	10	19	17
	41-50	8	42	29
	51-60	1	18	15
	61-70	4	3	5
	71-80	4	8	10
	81-90	3	7	10
	91-100	2	8	10
	101-110	2	4	3
	111-120		3	3
	121-130		3	2
	131-140	1	1	2
	141-150	3	6	4
	151-160	2		
	161-170		3	1
	171-180		4	3
	181-190		2	1
	191-200	1		1
	201-250	2	3	2
	251-300	3	2	1
	Sub Total	208	336	338
TOTAL		9,343	10,455	10,671

(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, 1993 to 2003 ('000 hours)

Year	RPT Operation Type			
	Major Australian Airlines		Regional Airlines	TOTAL
	Domestic operations	International operations		
1993	361.0	192.5	227.7	781.2
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

Table 35. Hours flown in Regional Airline (RPT) operations by State or Territory (a), 1998 to 2003 ('000 hours)

State or Territory	1998	1999	2000	2001	2002	2003
NSW	115.4	115.8	128.6	115.6	122.6	116.5
VIC	34.0	30.1	36.6	31.4	14.5	3.1
QLD	62.9	64.3	84.7	75.9	65.4	66.9
SA	23.1	24.0	31.2	27.9	15.9	14.6
WA	16.1	15.3	20.8	17.2	14.7	15.9
TAS	6.9	9.4	9.2	8.5	1.3	2.3
NT	14.8	18.4	24.6	21.5	15.8	14.2
ACT	0.0	0.0	0.0	0.0	0.0	1.1
AUSTRALIA	273.2	277.3	335.7	298.0	250.1	234.7

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

Table 36. Hours flown in Regional Airline (RPT) operations by principal aircraft makes, 1998 to 2003 ('000 hours)

Aircraft Make	1998	1999	2000	2001	2002	2003
Fixed Wing - Single Engine						
Cessna	0.6	2.0	2.1	..	..	5.0
Other	1.3	0.9	0.3	1.6	3.4	0.0
Sub Total	1.9	2.8	2.4	1.6	3.4	5.0
Fixed Wing - Multi Engine						
Beechcraft	34.3	35.1	33.3	27.1	11.1	4.8
British Aerospace	18.4	17.3	20.4	20.1	15.6	..
Britten Norman	..	..	4.0	1.9	2.4	3.0
Canadair	0.0	..	11.7	19.5	0.0	0.0
Cessna	18.7	15.9	16.8	12.8	11.8	12.5
De Havilland	44.8	45.7	62.6	65.1	83.8	90.5
Embraer	30.5	28.2	38.7	31.8	13.3	9.5
Fairchild	23.1	24.8	23.7	20.5	29.8	31.5
Fokker	14.7	17.3	21.5	19.8	13.9	13.0
Piper	27.3	29.4	33.3	20.2	15.0	12.2
Saab	46.4	48.5	58.0	47.3	44.0	40.8
Shorts	10.6	7.4	7.8	6.7	..	..
Other	2.5	5.0	1.6	3.6	6.1	11.8
Sub Total	271.3	274.4	333.3	296.4	246.7	229.6
Rotary Wing - Helicopters						
Sub Total	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL ALL AIRCRAFT	273.2	277.3	335.7	298.0	250.1	234.7

SECTION F. ULTRALIGHT AIRCRAFT

All statistics courtesy of the Australian Ultralight Federation.

Table 37. Hours flown (a) in ultralight operations, by State and category of aircraft, 2003

State or Territory	Uncertified	Type Approved Aircraft								TOTAL
	Uncertified Aircraft CAO 95.10	Commercially-manufactured CAO 95.25	Commercially-manufactured CAO 95.55	Commercially-manufactured CAO 101.55	Amateur-built CAO 95.55	Amateur-built CAO 101.28	Weight Shift (Powered Parachutes) CAO 95.32	Weight Shift (Trikes) CAO 95.32	Sub-total	
NSW	1,026	4,969	1,792	6,240	3,901	915	376	436	18,629	19,655
VIC	1,603	1,923	2,469	4,765	3,086	1,098	736	803	14,880	16,483
QLD	2,307	7,994	3,560	7,624	6,120	826	45	700	26,869	29,176
SA	785	1,154	-	3,927	2,665	751	160	36	8,693	9,478
WA	461	697	86	1,103	1,276	110	12	125	3,409	3,870
TAS	189	1,005	-	1,649	375	172	10	50	3,261	3,450
NT	90	455	-	338	120	-	-	182	1,095	1,185
ACT	6	43	107	-	199	64	37	-	450	456
Unknown/o'seas	-	63	543	129	-	-	-	-	735	735
AUSTRALIA	6,467	18,303	8,557	25,775	17,742	3,936	1,376	2,332	78,021	84,488

(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, 1993 to 2003

Year	Uncertified	Type Approved Aircraft								TOTAL
	Uncertified Aircraft CAO 95.10	Commercially-manufactured CAO 95.25	Commercially-manufactured CAO 95.55	Commercially-manufactured CAO 101.55	Amateur-built CAO 95.55	Amateur-built CAO 101.28	Weight Shift (Powered Parachutes) CAO 95.32	Weight Shift (Trikes) CAO 95.32	Sub-total	
1993	10.5	33.1	-	10.9	..	1.1	0.6	0.5	46.4	56.9
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

(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, 2003

Aircraft Make	Number of Aircraft	Hours Flown
Uncertified Aircraft		
Uncertified Aircraft (CAO 95.10)	311	6,467
Type Approved Aircraft		
Commercially-manufactured Aircraft (CAO 95.25)		
Austflight ULA	81	6,763
Australian Light Wing	71	4,956
Facet	18	777
Skywise	9	44
Thruster	124	5,681
Other	5	82
Sub Total	308	18,303
Commercially-manufactured Aircraft (CAO 95.55)		
Micro Aviation	15	775
Pipistrel	8	0
Skyfox	48	5,957
Slepcev	11	670
TI Ultralight	6	356
Tecnam	11	687
Other	17	112
Sub Total	116	8,557
Commercially-manufactured Aircraft (CAO 101.55)		
Austflight ULA	29	1,993
Australian Light Wing	10	1,517
Eipper	8	168
Jabiru	101	15,124
Skyfox	58	6,273
Other	3	700
Sub Total	209	25,775
Amateur-built Aircraft (CAO 95.55)		
Aero Sport	5	214
Atec	6	441
Avid	8	180
Cadet	8	366
Corby	6	260
Evans	6	191
Fisher	6	52
Foxcon	10	173
Jabiru	120	5,474
Jodel	10	306
Monnett	5	195
Murphy	6	240
Pioneer	7	362
Quad City	10	348
RANS	22	1,086

Table 39. Number of ultralight aircraft and hours flown by principal aircraft makes, 2003 - cont'd

Aircraft Make	Number of Aircraft	Hours Flown
Amateur-built Aircraft (CAO 95.55) - coninued		
Rand Kar	37	988
SG Aviation	5	101
Sapphire	8	221
Slepcev	11	667
Spectrum	5	275
Zenair	34	1,362
Other	153	4,240
Sub Total	488	17,742
Amateur-built Aircraft (CAO 101.28)		
Australian Light Wing	8	332
Corby	7	95
Eipper	6	221
Evans	5	69
Jabiru	13	917
Norman	5	205
RANS	18	507
SkyStar	9	360
Other	39	1,230
Sub Total	110	3,936
Weight Shift Aircraft (CAO 95.32)		
Powered Parachutes		
Aerochute	77	1,223
Powerchute	7	153
Trikes		
Airborne Windsports	48	1,964
Solar Wings	8	249
Other	6	119
Sub Total	146	3,708
Type Approved Aircraft Total	1,377	78,021
TOTAL ALL AIRCRAFT	1,688	84,488

SECTION L. GLIDING ACTIVITY

All statistics courtesy of the Gliding Federation of Australia.

Table 40. Hours flown and launches in gliding operations, by State, 2003

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, 1993 to 2003

Year	Number of Aircraft	Hours Flown ('000)			Launches ('000)		
		Club	Private	Total	Club	Private	Total
1993	1,153 (a)	49.8	23.2	73.0 (c)	111.4	13.0	124.4 (c)
1994	1,026 (a)(e)	53.0	27.1	80.1 (c)	98.2	14.5	112.7 (c)
1995	1,025 (a)(e)	48.4	27.5	75.9 (c)	86.2	14.6	100.8 (c)
1996	1,057 (a)(e)	47.6	21.6	69.2 (c)	86.6	11.0	97.5 (c)
1997	1,059 (a)(e)	46.5	22.4	68.9 (c)	78.1	10.9	89.0 (c)
1998	1,056 (a)(e)	45.8	19.6	65.4 (c)	78.4	9.6	88.0 (c)
1999	1,051 (a)(e)	39.0	24.8	63.9 (c)	74.8	14.8	89.6 (c)
2000	1,056 (a)(e)	..	..	..	..	..	..
2001	1,059 (a)(e)	..	..	..	..	..	..
2002	1,083 (a)(e)	..	..	..	..	..	..
2003	1,084 (a)(e)	..	..	..	..	..	..

(a) At 30 June.
(b) At 18 January 1993.
(c) Year ended 30 April.
(d) Year ended 31 August.
(e) Series now excludes inactive aircraft.

SECTION M. HANG GLIDING

All statistics courtesy of the Hang Gliding Federation of Australia.

Table 42. Hours flown ('000) in hang gliding operations, by State and category of aircraft, 2003 (a)

State or Territory	Hang Gliders	Paragliders	Weightshift Microlights (Powered Hang Gliders)	TOTAL
NSW	22,782	17,237	13,746	53,765
VIC	8,348	12,117	5,670	26,135
QLD	10,466	9,006	3,693	23,165
SA/NT	2,741	1,122	2,401	6,264
WA	2,908	2,937	5,083	10,928
TAS	609	465	121	1,195
ACT	988	1,866	359	3,213
AUSTRALIA	48,842	44,750	31,073	124,665

(a) Covers year ended 30 June.

Table 43. Number of aircraft and hours flown ('000) in hang gliding operations, by category of aircraft, 1993 to 2003 (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
1993	2,160	64.7	390	7.7	104	13.9	2,654	86.2
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

(a) Covers years ended 30 June.

SECTION N. GYROPLANES

All statistics courtesy of the Australian Sport Rotorcraft Association.

Table 44. Number of aircraft and hours flown in gyroplane operations, 1993 to 2003

Year		Number of Aircraft (a)	Hours Flown					
			Private	Dual Training	Gyro Glider Training	Mustering	Search & Rescue	TOTAL
1993	(b)	199	4,046	324	70	1,088	36	5,564
1994	(c)	226	11,112	3,619	317	-	-	15,048
1995	(c)	269	13,200	945	125	-	85	14,355
1996	(c)	385	20,577	2,377	271	-	82	23,307
1997	(c)	394	20,244	2,059	1,007	-	9	23,319
1998	(c)	394	31,192	1,895	354	-	-	33,441
1999	(c)	432	25,172	5,069	193	-	-	30,434
2000	(c)	487	26,766	2,858	105	-	-	29,729
2001	(c)	..	32,961	3,863	122	-	4	36,950
2002	(c)	..	30,043	2,152	117	-	13	32,325
2003	(c)	..	25,101	2,887	324	-	28	28,340

(a) At 30 June.
(b) Statistics cover period January to June 1993 only, with 33% member response.
(c) Covers year ended 30 June.

EXPLANATORY NOTES

INTRODUCTION

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 the Australian Ultralight Federation;

(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, the Australian Ultralight Federation, 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.

SYMBOLS AND OTHER USAGES

p Preliminary - figure or series subject to revision.

r Revised since last issue.

\- Greater than zero but less than 50.

.. Not available for confidentiality or other reasons.

AIR TRANSPORT 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.
Contents: Domestic airline on time performance by airline, route and airport.

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