

# 1997

## **The European Aerospace Industry**

**Trading Position and Figures**

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# Preface

Since 1972 the European Commission, Directorate-General III - *Industry* has been compiling and collating statistics on the world aerospace industry.

We have the pleasure to present you with the 1997 edition of the document *"The European Aerospace Industry - Trading Position and Figures"* based on the most relevant statistics available to us.

In order to issue this year's report as early as possible, and because limited resources are available to us for the task of producing it, it has been necessary to leave out certain chapters from this edition. In others we have omitted less significant tables.

We are planning a more thorough revision of this document in line with the Commission's own needs for statistical information in this area. This will also accommodate some of the numerous suggestions we received through the reader survey which was carried out during autumn 1996. We are grateful for the interest readers showed on that occasion, and for the many constructive and useful comments we received.

This publication has been drawn up with the greatest possible care. We continue to welcome your comments, should you find any omissions or errors in the material.

**If you wish to receive the next edition, please send the request form (see trailer sheets) to the address indicated on the form.**

# Codes and abbreviations used

Country name	(ISO) Country Code
AUSTRALIA	AU
AUSTRIA	AT
BELGIUM	BE
BRAZIL	BR
CANADA	CA
CHINA	CN
DENMARK	DK
FINLAND	FI
FRANCE	FR
GERMANY	DE
GREECE	GR
IRELAND	IE
ISRAEL	IL
ITALY	IT
JAPAN	JP
LUXEMBOURG	LU
POLAND	PL
PORTUGAL	PT
RUSSIAN FEDERATION	RU
SPAIN	ES
SWEDEN	SE
SWITZERLAND	CH
THE NETHERLANDS	NL
UKRAINE	UA
UNITED KINGDOM	GB
COMMONWEALTH OF INDEPENDENT STATES	CIS
UNITED STATES OF AMERICA	USA

## Miscellaneous

na	Not Available /
-	Not Applicable
EU	European Union. Where nothing else is mentioned it covers all Member States as of 1.1.95 after the most recent enlargement.
R & D	Research and Development

# Glossary

**AEA** Association of European Airlines

**AIA** Aerospace Industries Association of America, Inc.

**Constant (1991) Prices** Using the overall GDP deflators (see table in Annex) current prices are adjusted to 1991 level thus facilitating comparisons over time. Notice, however, that applying a GENERAL deflator only provides an approximation for the specific industrial sector in question. The formula used is:  $(A/B * C)/D$ , where A = Amount based on current prices reported in national currency for a given year; B = GDP deflator value for the currency for that year; C = GDP deflator value for the currency for the year 1991; D = ECU exchange rate for the currency for the year 1991.

**Current Prices** Amounts (in ECU) based on prices of the current year, i.e. with no adjustment for inflation and exchange rate variations. For comparisons over time the use of constant prices (see above), where such an adjustment has been carried out, gives a better picture of the true evolution.

**GDP** Gross Domestic Product

**ICAO** International Civil Aviation Organization

**Long-Haul** Commonly used for an aircraft's operational range of more than 4,500 nautical miles.

**Medium-Haul** Commonly used for an aircraft's operational range between 1,000 and 4,500 nautical miles.

**Narrow Body** Common definition of a single-aisle airliner. The definition applies to other-purpose airframes, if a passenger version would have a cabin arrangement with only one aisle.

**Short-Haul** Commonly used for an aircraft's operational range up to 1,000 nautical miles.

**Wide Body** Common definition of (at least) twin-aisle airliner. The definition applies to other-purpose airframes, if the equivalent passenger version would have a cabin arrangement with more than one aisle.

**"White Tails"** Aircraft produced to stock rather than according to specific order. Hence the white tail, where most aircraft would otherwise have the owner designation.

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# *Chapter 1*

# **Civil Air Traffic**





The data referring to **world civil air traffic** correspond to scheduled operations of airlines of the 184 ICAO contracting States. The most recent figures were published in the ICAO Journal July/August 1996 issue, reviewing new facts in civil aviation during the year 1995, based on the ICAO Council's Annual Report 1995 (ICAO Document 9667) and the "Le monde de l'aviation civile", 1995-98 (ICAO Circulaire 265). The majority of the data for 1995 are rounded estimates, which are subject to changes when the final figures become available.

TABLE 1.1

WORLD<sup>1</sup> SCHEDULED AIR TRAFFIC

	Passenger Traffic								Cargo Traffic							
	Billion Passengers Carried	Growth Rate %	Billion Revenue Passenger- kms	Growth Rate %	Billion Available Seat-kms	Growth Rate %	Load Factor % (+/- points)		Million Freight Tons Carried	Growth Rate %	Million Revenue Tonne-kms	Growth Rate %	Freight % of Revenue Tonne-kms	Growth Rate %	Mail % of Revenue Tonne-kms	Growth Rate %
1980	0.748		1,089		1,735		62.8 %		11.1		32,813		88.8 %		11.2 %	
1985	0.899		1,367		2,070		66.0 %		13.7		44,240		90.1 %		9.9 %	
1986	0.960	6.8 %	1,452	6.2 %	2,235	8.0 %	65.0 %	-1	14.7	7.3 %	47,730	7.9 %	90.5 %	8.4 %	9.5 %	3.2 %
1987	1.028	7.1 %	1,589	9.4 %	2,370	6.0 %	67.0 %	2	16.1	9.5 %	53,020	11.1 %	91.1 %	11.9 %	8.9 %	3.5 %
1988	1.082	5.3 %	1,705	7.3 %	2,545	7.4 %	67.0 %	0	17.2	6.8 %	58,100	9.6 %	91.7 %	10.2 %	8.3 %	2.8 %
1989	1.109	2.5 %	1,774	4.0 %	2,610	2.6 %	68.0 %	1	18.1	5.2 %	62,190	7.0 %	91.9 %	7.2 %	8.1 %	4.8 %
1990	1.165	5.0 %	1,894	6.8 %	2,784	6.7 %	68.0 %	0	18.4 r	1.7 % r	64,132 r	3.1 % r	91.7 %	2.9 % r	8.3 %	5.4 % r
1991	1.135	-2.6 %	1,844	-2.6 %	2,795	0.4 %	66.0 %	-2	17.4	-5.4 % r	63,620 r	-0.8 % r	92.0 %	-0.5 % r	8.0 %	-4.5 % r
1992	1.145 r	0.9 % r	1,928 r	4.6 % r	2,960	5.9 %	65.1 %	-1	17.6 r	1.1 % r	67,690 r	6.4 %	92.4 %	6.9 %	7.6 %	0.6 % r
1993	1.141	-0.3 % r	1,949 r	1.1 % r	2,986	0.9 %	65.3 % r	0	17.9 r	1.7 % r	72,770 r	7.5 % r	92.8 %	7.9 % r	7.2 %	2.1 %
1994	1.231 r	7.9 % r	2,098 r	7.6 % r	3,161	5.8 %	66.4 % r	1	19.9 r	11.2 % r	82,640 r	13.6 % r	93.5 % r	14.3 % r	6.5 % r	3.4 % r
1995	1.288	4.6 %	2,230	6.3 %	3,284	3.9 %	67.9 %	2	21.1	6.0 % r	89,540	8.3 %	93.7 %	8.7 %	6.3 %	3.5 %

1) CIS included  
r Revised

Source: ICAO

**TABLE 1.2**  
**WORLD SCHEDULED PASSENGER TRAFFIC**  
**Breakdown of Revenue Passenger-kms in % of World Total**

	AEA <sup>1</sup>		CIS <sup>2</sup>		USA		Rest of World		World	
	Share %	Growth Rate %	Share %	Growth Rate %	Share %	Growth Rate %	Share %	Growth Rate %	Total Passenger-kms (Billions)	Growth Rate %
1980	16.7 %		14.7 %		37.6 %		31.0 %		1,089	
1981	16.9 %	4.0 %	15.3 %	6.9 %	35.4 %	-3.2 %	32.3 %	6.7 %	1,117	2.6 %
1982	16.7 %	0.8 %	15.1 %	0.5 %	35.8 %	3.4 %	32.4 %	2.5 %	1,142	2.2 %
1983	16.1 %	0.3 %	14.8 %	2.4 %	37.3 %	8.5 %	31.8 %	2.3 %	1,190	4.2 %
1984	15.9 %	6.2 %	14.3 %	4.0 %	37.5 %	7.9 %	32.3 %	9.0 %	1,278	7.4 %
1985	15.8 %	6.4 %	13.7 %	2.3 %	38.9 %	10.9 %	31.6 %	4.8 %	1,367	7.0 %
1986	15.0 %	1.1 %	13.4 %	3.6 %	40.2 %	9.7 %	31.4 %	5.6 %	1,452	6.2 %
1987	15.5 %	12.8 %	12.6 %	3.0 %	40.4 %	10.0 %	31.5 %	9.8 %	1,589	9.4 %
1988	15.4 %	6.8 %	12.5 %	6.5 %	39.8 %	5.7 %	32.3 %	9.9 %	1,705	7.3 %
1989	15.9 %	7.6 %	12.8 %	6.4 %	39.1 %	2.2 %	32.2 %	3.7 %	1,774	4.0 %
1990	16.2 %	8.2 %	12.7 %	6.2 %	38.8 %	5.9 %	32.3 %	7.3 %	1,894	6.8 %
1991	15.6 %	-6.2 %	12.2 %	-6.7 %	39.1 %	-2.0 %	33.2 %	-0.1 %	1,844	-2.6 %
1992	17.0 %	13.9 %	7.3 %	-37.6 %	39.7 %	6.2 %	36.1 % r	13.7 % r	1,928 r	4.6 % r
1993	18.1 % r	7.6 %	5.1 %	-28.5 %	39.7 %	1.1 %	37.1 % r	4.0 % r	1,949 r	1.1 % r
1994	18.2 %	8.6 %	4.0 %	-17.2 %	39.3 %	6.5 %	38.6 %	11.8 %	2,098	7.6 %
1995	18.5 %	7.8 %	3.5 % e	-5.4 % e	38.1 % e	3.1 % e	39.9 % e	10.0 % e	2,230	6.3 %

1) AEA - Association of European Airlines

Sources: AEA Yearbook Statistical Appendices

2) CIS includes as of 1993: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

ICAO

e Estimated

r Revised

The data referring to the **scheduled operations of AEA** (Association of European Airlines) members, according to the AEA Yearbook 1996 Statistical Appendices, are broken down between the following groups of routes:

- *Domestic & Territorial:*

routes commencing and terminating within the national frontiers (metropolitan area) of the reporting carrier's country of registration. Routes between a State and territories belonging to it, as well as routes between two such territories.

- *International Short/Medium-Haul:*

international routes originating and terminating within Europe (including Iceland, Turkey and Russia to 55°E), Azores, Canary Islands, Madeira and Cyprus;  
between Europe and North Africa - Algeria, Egypt, Libya, Morocco, Sudan and Tunisia;  
between Europe and the Middle East - Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Muscat, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Republic of Yemen;

- *Long-haul:*

other international routes.

The airlines included are:

Adria Airways, Aer Lingus, Air France, Air Malta, Alitalia, Austrian Airlines, Balkan Bulgarian Airlines, British Airways, British Midland Airways, CSA Czech Airlines, Cyprus Airways, Finnair, Iberia, Icelandair, JAT Yugoslav Airlines, KLM, Lufthansa, Luxair, Malev Hungarian Airlines, Olympic Airways, Sabena, SAS, Swissair, TAP-Air Portugal, Turkish Airlines.

TABLE 1.3

## AEA SCHEDULED PASSENGER TRAFFIC

	Revenue Passenger-kms						Available Seat-kms						Load Factor %		
	Domestic & Territorial		Short/Medium-Haul		Long-Haul		Domestic & Territorial		Short/Medium-Haul		Long-Haul		Dom. & Ter.	S/M-Haul	Long-Haul
	Billion Pass.-kms	Growth Rate %	Billion Pass.-kms	Growth Rate %	Billion Pass.-kms	Growth Rate %	Billion Seat-kms	Growth Rate %	Billion Seat-kms	Growth Rate %	Billion Seat-kms	Growth Rate %			
1980	19.3		48.1		114.2		30.2		86.3		185.1		63.9 %	55.8 %	61.7 %
1981	19.8	2.6 %	49.4	2.7 %	119.7	4.8 %	29.9	-1.0 %	84.9	-1.7 %	185.3	0.1 %	66.2 %	58.2 %	64.6 %
1982	20.7	4.5 %	49.2	-0.5 %	120.6	0.7 %	31.3	4.4 %	85.7	1.0 %	185.6	0.2 %	66.3 %	57.4 %	64.9 %
1983	21.7	4.9 %	49.1	-0.2 %	120.1	-0.4 %	33.0	5.5 %	85.6	-0.1 %	184.2	-0.8 %	65.9 %	57.4 %	65.2 %
1984	22.3	2.4 %	53.3	8.6 %	127.1	5.8 %	32.8	-0.6 %	89.5	4.5 %	187.2	1.7 %	67.8 %	59.6 %	67.9 %
1985	22.9	2.8 %	57.2	7.3 %	135.5	6.6 %	34.0	3.8 %	93.7	4.8 %	199.2	6.4 %	67.2 %	61.1 %	68.0 %
1986	23.8	4.2 %	57.0	-0.5 %	137.3	1.3 %	35.3	3.6 %	96.8	3.3 %	208.3	4.5 %	67.5 %	58.8 %	65.9 %
1987	26.5	11.1 %	63.9	12.2 %	155.7	13.4 %	37.4	5.9 %	101.6	4.9 %	221.9	6.6 %	70.9 %	62.9 %	70.1 %
1988	28.4	7.1 %	69.2	8.3 %	165.3	6.2 %	41.2	10.3 %	111.2	9.5 %	235.9	6.3 %	68.8 %	62.2 %	70.1 %
1989	29.7	4.7 %	76.1	10.0 %	177.0	7.1 %	44.0	6.9 %	121.9	9.6 %	249.3	5.7 %	67.4 %	62.4 %	71.0 %
1990	31.2	5.1 %	83.1	9.2 %	191.7	8.3 %	46.1	4.8 %	133.2	9.3 %	272.6	9.3 %	67.6 %	62.4 %	70.3 %
1991	29.6	-5.0 %	75.4	-9.3 %	182.0	-5.1 %	45.7	-0.9 %	130.2	-2.3 %	267.6	-1.8 %	64.8 %	57.9 %	68.0 %
1992	32.8	10.8 %	87.1	15.5 %	207.1	13.8 %	50.0	9.5 %	150.5	15.6 %	296.9	10.9 %	65.6 %	57.9 %	69.8 %
1993	34.0	3.6 %	94.3	8.3 %	223.7	8.0 %	51.6	3.2 %	160.6	6.7 %	319.1	7.5 %	65.9 %	58.7 %	70.1 %
1994	35.6	4.6 %	103.1	9.3 %	243.6	8.9 %	53.4	3.4 %	169.7	5.7 %	334.0	4.7 %	66.6 %	60.8 %	72.9 %
1995	38.4	8.1 %	111.2	7.9 %	262.5	7.8 %	58.0	8.6 %	180.3	6.3 %	352.5	5.5 %	66.3 %	61.7 %	74.5 %

Source: AEA Yearbook Statistical Appendices

TABLE 1.4

AEA SCHEDULED CARGO TRAFFIC<sup>1</sup>

	Revenue Tonne-kms						Available Tonne-kms						Load Factor %		
	Domestic & Territorial		Short/Medium-Haul		Long-Haul		Domestic & Territorial		Short/Medium-Haul		Long-Haul		Dom. & Ter.	S/M-Haul	Long-Haul
	Million Tonne-kms	Growth Rate %	Million Tonne-kms	Growth Rate %	Million Tonne-kms	Growth Rate %	Million Tonne-kms	Growth Rate %	Million Tonne-kms	Growth Rate %	Million Tonne-kms	Growth Rate %			
1980	279		882		7,530		723		2,495		12,355		38.6 %	35.4 %	60.9 %
1981	289	3.5 %	874	-0.9 %	7,917	5.1 %	739	2.2 %	2,349	-5.9 %	12,816	3.7 %	39.0 %	37.2 %	61.8 %
1982	319	10.4 %	892	2.0 %	8,045	1.6 %	770	4.2 %	2,357	0.4 %	13,635	6.4 %	41.4 %	37.8 %	59.0 %
1983	343	7.7 %	949	6.4 %	9,042	12.4 %	773	0.4 %	2,417	2.5 %	14,049	3.0 %	44.4 %	39.2 %	64.4 %
1984	351	2.3 %	1,080	13.9 %	10,385	14.8 %	783	1.3 %	2,594	7.3 %	15,399	9.6 %	44.8 %	41.6 %	67.4 %
1985	362	3.1 %	1,131	4.8 %	10,836	4.3 %	856	9.3 %	2,825	8.9 %	16,837	9.3 %	42.3 %	40.0 %	64.4 %
1986	360	-0.5 %	1,150	1.7 %	11,871	9.6 %	940	9.8 %	2,915	3.2 %	18,349	9.0 %	38.3 %	39.5 %	64.7 %
1987	393	9.2 %	1,163	1.1 %	13,089	10.3 %	1,061	12.8 %	3,105	6.5 %	19,899	8.4 %	37.1 %	37.4 %	65.8 %
1988	409	4.0 %	1,183	1.8 %	14,371	9.8 %	1,221	15.1 %	3,268	5.2 %	22,030	10.7 %	33.5 %	36.2 %	65.2 %
1989	396	-3.1 %	1,269	7.2 %	15,534	8.1 %	1,353	10.8 %	3,738	14.4 %	23,546	6.9 %	29.3 %	33.9 %	66.0 %
1990	450	13.7 %	1,365	7.6 %	16,283	4.8 %	1,420	5.0 %	4,093	9.5 %	25,410	7.9 %	31.7 %	33.4 %	64.1 %
1991	427	-5.2 %	1,219	-10.7 %	15,953	-2.0 %	1,418	-0.1 %	3,947	-3.6 %	25,876	1.8 %	30.1 %	30.9 %	61.7 %
1992	388	-9.2 %	1,382	13.4 %	16,908	6.0 %	1,539	8.5 %	4,615	16.9 %	26,928	4.1 %	25.2 %	29.9 %	62.8 %
1993	536	38.0 %	1,903	37.7 %	18,689	10.5 %	1,437	-6.6 %	4,977	7.8 %	25,595	-5.0 %	37.3 %	38.2 %	73.0 %
1994	551	2.9 %	2,131	12.0 %	20,896	11.8 %	1,351	-6.0 %	5,210	4.7 %	26,594	3.9 %	40.8 %	40.9 %	78.6 %
1995	472	-14.4 %	2,233	4.8 %	22,530	7.8 %	1,390	2.9 %	5,610	7.7 %	30,000	12.8 %	34.0 %	39.8 %	75.1 %

1) Freight and mail combined for passenger services and freight services.

Source: AEA Yearbook Statistical Appendices

## *Chapter 2*

# **Civil Transport Aircraft**

The table series 2.1 to 2.6 comprises the situation of **orders, deliveries and backlog of civil jets**.

The tables relating to the **civil transport aircraft fleet, deliveries, backlog and fleet age (2.7 to 2.20)** are based on material provided by *AEROSPATIALE*. The origin of these statistics is "*L'État des flottes commerciales*", a database on civil transport aircraft covering almost all the civil transport aircraft in the world. All data are revised whenever additional details become known, or changes to previous registrations occur. We have not marked such revisions on these tables, since they occur generally throughout the material.

The aircraft included in tables 2.8 to 2.20 are listed in table 2.7. Aircraft with less than 18 seats are excluded as are piston propelled aircraft. Only aircraft in commercial operation are included.

Table 2.8 shows the average age of the civil aircraft fleet.

Tables 2.9 to 2.20 comprise 3 series of tables as follows:

- Aircraft in service;
- Annual deliveries;
- Order backlog. These tables exclude CIS produced aircraft<sup>1</sup>.

The overall figures for each series are shown in tables 2.9 to 2.11. Each series is then broken down into the following categories (Tables 2.12 - 2.20):

*Aircraft category / operational possibility*

- Short/medium-haul turboprop;
- Short/medium-haul jet;
- Long-haul jet.

For each aircraft category, the following information is presented:

- Distribution of all aircraft by geographical area;
- Distribution of EU-built aircraft by geographical area;
- EU-built share in each geographical area.

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<sup>1</sup> The standard method of computing the backlog as (cumulated orders till date) minus (cumulated deliveries till date) produces a negative backlog in the following cases: 1) when the orders are not communicated and only deliveries are known; 2) when aircraft are produced to stock, i.e. not on the basis of orders. Negative backlogs have been eliminated from the survey, which effectively means that there are no CIS aircraft included in the backlog.



Each table presents a breakdown ..

- *by number of units;*
- *by number of seats -*  
the seat breakdown includes cargo aircraft, which assume a seating capacity equivalent to passenger variants;
- *by present value.* For each year the values are estimated separately on the basis of each aircraft's age using a linear depreciation over 20 years<sup>2</sup>. The value per seat<sup>3</sup> in US\$ in 1995 is:

for short-haul aircraft	\$ 286,000
for medium-haul aircraft	\$ 330,000
for long-haul aircraft	\$ 417,000

For cargo aircraft (including combined cargo and passenger variants) the values have been worked out on the basis of equivalent passenger versions.

Finally each sub-table presents figures for:

*Geographical market areas (entire time series)*

- *EU:* Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom;
- *Rest of Europe:* Albania, Bulgaria, Belarus<sup>4</sup>, Bosnia and Herzegovina, Switzerland, Cyprus, Czech Republic, Estonia, Gibraltar, Croatia, Hungary, Iceland, Lithuania, Latvia, Macedonia, Moldova, Malta, Norway, Poland, Romania, Russian Federation<sup>4</sup>, Serbia and Montenegro, Slovakia, Slovenia, Turkey, Ukraine<sup>4</sup>;
- *USA;*
- *Rest of the world.*

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<sup>2</sup> Example: for a Boeing 737 registered first time in 1970 and included in the 1988 fleet, the value is computed as follows: the seat price in 1970 for a medium-haul jet has been set to US\$ 53,000. The actual B737 is a version with 115 seats, hence the purchase price in 1970 is  $115 * 53,000 = \text{US\$ } 6,095,000$ . In 1988 two years remain before the aircraft is written off (our '20 years' depreciation), so the current value is  $2/20 * 6,095,000 = \text{US\$ } 609,500$ . In 1988 the average US\$/ECU rate was 1.1825. The aircraft thus represents a value of  $609,500/1.1825 = \text{ECU } 515,433$  or MECU 0.515.

<sup>3</sup> As of 1989 the annual value per seat is based on the published price(s) of the aircraft of which the fleet is composed that year (taking into account the various versions and differences in configuration). For years before 1989 the estimations of average seat values were based on the aircraft that were most *representative* of the fleet in a year. Care should therefore be taken when values are compared over time involving years before and after 1989.

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<sup>4</sup> Belarus, Russian Federation and Ukraine are included in 'Rest of Europe' as of 1992. Before then they were part of the USSR, which was in its entirety included in 'Rest of World'. This causes sudden changes to occur from the year 1991 to 1992 in the two areas.

TABLE 2.1

## WORLD CIVIL JET AIRCRAFT ORDERS IN UNITS (net of cancellations)

	Design Origin EU											Total EU	Design Origin US													Total US								
	A300	A310	A319	A320	A321	A330	A340	Total AIRBUS	BAC 111	Bae 146/RJ	CONCORDE		F 28	F 70	F 100	B-707+720	B-727	B-737	B-747	B-757	B-767	B-777	Total BOEING	DC-9	DC-10		MD-11	MD-80	MD-90	MD-95	Total McDD	L 1011		
Until 1980	202	46						248	230		14	168										4,387	974	370					78			1,422	239	6,048
1981	35	4						39		4		14										184	2	8				19			29	5	218	
1982	3	11						14	1	2		3										105		48			87			135		240		
1983		10						10	1	26		24										157		2			43			45		202		
1984	11	14		16				41	2	9		11										164		6		117			123	5	292			
1985	24	25		58				107	6	12		19		26								391		3		106			109		500			
1986	7	16		83				106		25		2		36								335	5	11	121			137		472				
1987	29	28		53				110		24				134								353		2	20	90			112		465			
1988	21	22		94		3	2	142		34				179								601		2	21	174			197		798			
1989	54	23		110	20	74	49	330		32				93								587			51	203			254		841			
1990	21	29	3	115	82	25	6	281		26				33								483			27	49	37		113		596			
1991	39	13		15	3	5	21	96		10				10								249			10	23			33		282			
1992	16	13	6	59	9	1	20	124	1	16				18								228			8	10	46		64		292			
1993	6	3		13		1	15	38		12			8	30								226			6	10			16		242			
1994			42	27	22	2	28	121		25				17	11							111			4	9	5		18		129			
1995	2	4	30	42	9	9	7	103		50			16	10								338			9	14	37	50	110		448			
1996	15		57	128	50	43	33	326		21			6	353								717			10	17	18		45		762			
1981 - 1996	283	215	138	813	195	163	181	1,988	11	328			73	47	278							5,229	2	76	177	1,092	143	50	1,540	10	6,779			
Total	485	261	138	813	195	163	181	2,236	241	328	14	241	47	278	3,385	1,010	1,831	3,604	1,258	870	725	318	9,616	976	446	177	1,170	143	50	2,962	249	12,827		

1) For Canadair RJ, the figures for 1991 to 1995 are estimated yearly averages calculated from a known total.

- Not available

	Design Origin CIS											Other			Grand Total (non-CIS)	
	AN-72/74	AN-124	IL-62	IL-76	IL-86	IL-96-300	TU-134	TU-154 B/M	TU-204	YAK-42	Total CIS	Embraer EMB-145 (BR)	Canadair RJ (CA) 1	Total Other		
Until 1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,708
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	275
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	260
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	263
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	363
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	670
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	641
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	599
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	977
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,296
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	936
1991	-	-	-	-	-	-	-	-	-	-	-	27	27	-	-	425
1992	-	-	-	-	-	-	-	-	-	-	-	27	27	-	-	478
1993	-	-	-	-	-	-	-	-	-	-	-	27	27	-	-	357
1994	-	-	-	-	-	-	-	-	-	-	-	27	27	-	-	330
1995	-	-	-	-	-	-	-	-	-	-	-	27	27	-	-	654
1996	-	-	-	-	-	-	-	-	-	-	-	63	60	123	-	1,238
1981 - 1996	-	-	-	-	-	-	-	-	-	-	-	63	195	258	-	9,762
Total	-	-	-	-	-	-	-	-	-	-	-	63	195	258	-	16,470

Source: Manufacturers

CHART 2.1

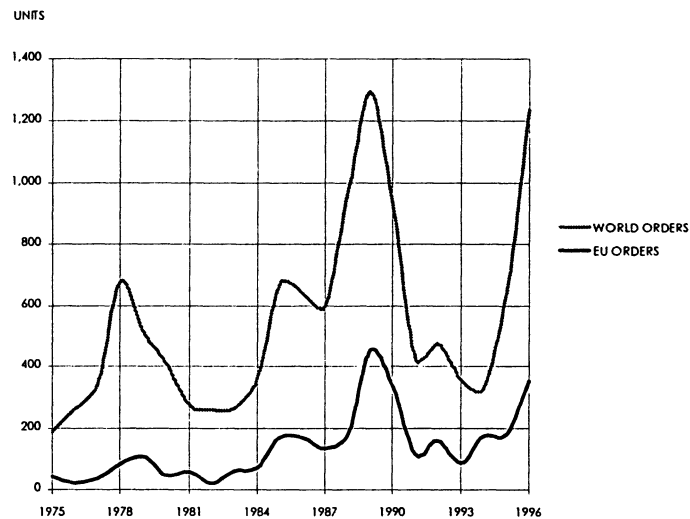


TABLE 2.2

## WORLD CIVIL JET AIRCRAFT DELIVERIES IN UNITS

	Design Origin EU											Total EU	Design Origin US															Total US																						
	A300	A310	A319	A320	A321	A330	A340	Total AIRBUS	BAC 111	Bae 146/RJ	CONCORDE		F 28	F 70	F 100	B-707+720	B-727	B-737	B-747	B-757	B-767	B-777	Total BOEING	DC-9	DC-10	MD-11	MD-80		MD-90	MD-95	Total McDD	L 1011																		
Until 1980	121							121	227		14	161																			523	939	1,692	715	487			3,833	950	339							1,294	195	5,322	
1981	37							37	2			12																			51	2	94	108	53			257	16	25						62		103	28	388
1982	46							46	2			10																			58	8	26	95	25	2	20	176	10	11		33				54	14	244		
1983	19	17						36	1	10		16																			63	8	11	82	23	25	55	204		12		51				63	6	273		
1984	19	29						48	2	10		17																			77	8	8	67	16	18	29	146		10		44				54	4	204		
1985	16	26						42		18		12																			72	3		115	24	36	25	203		11		71				82		287		
1986	10	19						29	2	23		11																			65	4		141	35	35	27	242		17		86				103		345		
1987	11	21						32	3	23		2																			60	9		161	23	40	37	270		10		95				105		375		
1988	17	28						61		22																					91			165	24	48	53	290		10		121				131		421		
1989	24	23						105	1	35																					168	5		146	45	51	37	284		1		118				119		403		
1990	19	18						95		24																					144	4		174	70	77	60	385			3	139				142		527		
1991	25	19						163		27																					243	14		215	64	80	62	435		31	139					170		605		
1992	22	24						157	1	13																					217	5		218	61	99	63	446			42	83				125		571		
1993	22	22						138		15																					220	67		152	56	71	51	330		36	42				78		408			
1994	23	2						123		28																					185	1		121	40	69	40	271		17	22				39		310			
1995	17	2						124		22																					187			89	25	43	36	13	206		18	18	14				50		256	
1996	14	2						126		26																					169			76	26	42	44	32	220		15	12	24				51		271	
1981 - 1996	341	252	18	553	54	50	94	1,362	14	296		80	40	278	2,070	71	139	2,125	610	736	639	45	4,365	26	107	162	1,136	38			2,070	71	139	2,125	610	736	639	45	4,365	26	107	162	1,136	38			1,469	54	5,888	
Total	462	252	18	553	54	50	94	1,483	241	296	14	241	40	278	2,593	1,010	1,831	2,840	1,097	736	639	45	8,198	976	446	162	1,141	38			2,593	1,010	1,831	2,840	1,097	736	639	45	8,198	976	446	162	1,141	38			2,763	249	11,210	

1) Figures for CIS denote production and do not correspond exactly to 'deliveries'. See also table 2.3 Backlog.

2) Average production 10 units p.a. from 1981 - 1993. Individual years may be inaccurate.

3) Break in 1983 due to accident, and subsequent major re-design

4) For Canadair RJ, the figures for 1992 to 1995 are estimated yearly averages calculated from a known total.

	Design Origin CIS <sup>1</sup>										Other			Grand Total (non-CIS)	
	AN-72/74	AN-124	IL-62	IL-76 <sup>2</sup>	IL-86	IL-96-300	TU-134	TU-154 B/M	TU-204	YAK-42 <sup>3</sup>	Total CIS	Embraer EMB-145 (BR)	Canadair RJ (CA) <sup>4</sup>		Total Other
Until 1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,845
1981	-	-	9	10	3	-	79	57	13	171	-	-	-	-	439
1982	-	-	10	10	8	-	91	43	6	168	-	-	-	-	302
1983	-	-	7	10	12	-	41	21	-	91	-	-	-	-	336
1984	-	-	7	10	8	-	30	18	-	81	-	-	-	-	281
1985	-	-	8	10	5	-	-	14	8	45	-	-	-	-	359
1986	-	-	7	10	10	-	-	21	9	57	-	-	-	-	410
1987	1	-	5	10	7	-	-	23	10	56	-	-	-	-	435
1988	7	-	6	10	4	-	-	31	12	70	-	-	-	-	512
1989	6	-	7	10	10	-	-	32	13	78	-	-	-	-	571
1990	16	2	7	10	9	-	-	35	11	90	-	-	-	-	671
1991	14	4	8	10	4	1	-	41	18	100	-	-	-	-	848
1992	10	4	8	10	7	2	-	41	10	92	23	23	23	23	811
1993	4	5	3	10	6	1	-	42	3	89	23	23	23	23	651
1994	2	5	3	3	2	3	-	8	2	36	23	23	23	23	518
1995	2	4	1	3	1	2	-	10	2	26	23	23	23	23	466
1996	1	1	1	4	-	1	-	1	1	10	4	51	55	55	495
1981 - 1996	63	24	97	140	96	10	241	438	8	143	4	143	147	147	8,105
Total	-	-	-	-	-	-	-	-	-	-	4	143	147	147	13,950

Sources: Manufacturers. For CIS: Paul Duffy

CHART 2.2

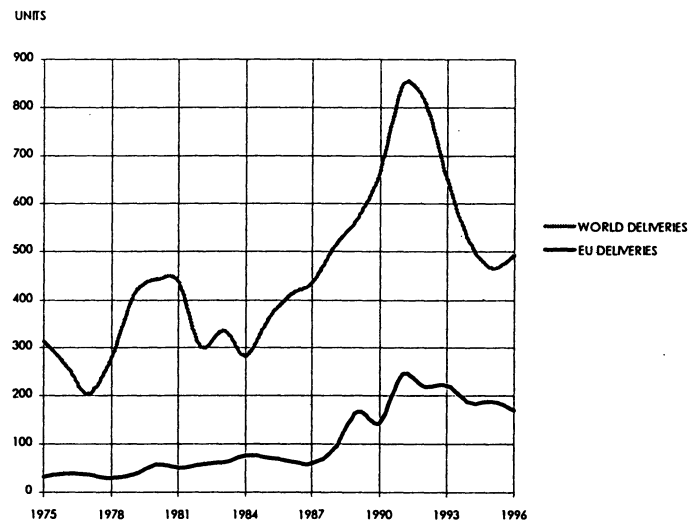


TABLE 2.3

## WORLD CIVIL JET AIRCRAFT BACKLOG IN UNITS

	Design Origin EU										Total EU	Design Origin US													Total US							
	A300	A310	A319	A320	A321	A330	A340	Total AIRBUS	BAC 111	BAe 146/RJ		CONCORDE	F 28	F 70	F 100	B-707+720	B-727	B-737	B-747	B-757	B-767	B-777	Total BOEING	DC-9		DC-10	MD-11	MD-80	MD-90	MD-95	Total McDD	L 1011
1981	79	50						129	1	4		9										481	10	14		30				54	21	556
1982	36	61						97		6		2										410		51		84				135	7	552
1983	17	54						71		22		10										363		41		76				117	1	481
1984	9	39		16				64		21		4		8								381		37		149				186	2	569
1985	17	38		74				129	6	15		11		34								569		29		184				213		782
1986	14	35		157				206	4	17		2		70								662		17	11	219				247		909
1987	32	42		210				284	1	18				70								745		9	31	214				254		999
1988	36	36		288		3	2	365	1	30				65								1,056		1	52	267				320		1,376
1989	66	36		340	20	77	51	590		27				131								1,359			103	352				455		1,814
1990	68	47	3	397	102	102	57	776		29				139								1,457			127	262	37			426		1,883
1991	82	41	3	293	105	107	78	709		12				96								1,271			106	146	37			289		1,560
1992	76	30	9	241	114	108	98	676		15				68								1,053			72	73	83			228		1,281
1993	60	11	9	183	114	108	91	576		12			8	31								949			42	41	83			166		1,115
1994	37	9	51	162	120	101	94	574		9			24	9								789			29	28	88			145		934
1995	22	11	81	170	107	80	82	553		37			14	4								921			20	24	111	50		205		1,126
1996	23	9	120	260	141	113	87	753		32			7									1,418			15	29	105	50	199		1,617	

- Not available

	Design Origin CIS										Other			Grand Total (non-CIS)	
	AN-72/74	AN-124	IL-62	IL-76	IL-86	IL-96-300	TU-134	TU-154 B/M	TU-204	YAK-42	Total CIS	Embraer EMB-145 (BR)	Canadair RJ (CA)		Total Other
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	699
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	657
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	584
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	666
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	977
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,208
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,372
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,837
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,562
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,827
1991	-	-	-	-	-	-	-	-	-	-	-	27	27	-	2,404
1992	-	-	-	-	-	-	-	-	-	-	-	31	31	-	2,071
1993	-	-	-	-	-	-	-	-	-	-	-	35	35	-	1,777
1994	-	-	-	-	-	-	-	-	-	-	-	39	39	-	1,589
1995	-	-	-	-	-	-	-	-	-	-	-	43	43	-	1,777
1996	-	-	-	-	-	-	-	-	-	-	-	59	52	111	2,520

Source: Manufacturers

CHART 2.3

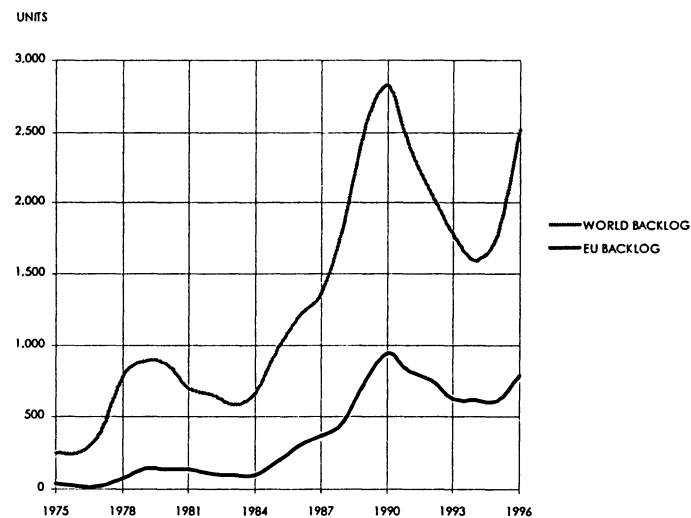


TABLE 2.4

CIVIL JET AIRCRAFT ORDERS IN UNITS<sup>1</sup>

	Category Breakdown in % of World Total									Market Share of EU-built Aircraft in % of World Total								
	Short-Medium Haul			Long Haul			Both			Short-Medium Haul			Long Haul			Both		
	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both
Until 1980	62.3 %	4.3 %	66.7 %	14.6 %	18.7 %	33.3 %	76.9 %	23.1 %	9.2 %	85.2 %	14.1 %	1.4 %	0.0 %	0.6 %	7.7 %	16.1 %	9.6 %	
1981	70.2 %	14.9 %	85.1 %	0.0 %	14.9 %	14.9 %	70.2 %	29.8 %	9.3 %	95.1 %	24.4 %	0.0 %	0.0 %	0.0 %	9.3 %	47.6 %	20.7 %	
1982	68.1 %	5.8 %	73.8 %	1.9 %	24.2 %	26.2 %	70.0 %	30.0 %	3.4 %	93.3 %	10.4 %	0.0 %	0.0 %	0.0 %	3.3 %	17.9 %	7.7 %	
1983	73.8 %	5.7 %	79.5 %	5.7 %	14.8 %	20.5 %	79.5 %	20.5 %	26.3 %	66.7 %	29.2 %	0.0 %	0.0 %	0.0 %	24.4 %	18.5 %	23.2 %	
1984	81.3 %	7.7 %	89.0 %	0.0 %	11.0 %	11.0 %	81.3 %	18.7 %	15.6 %	89.3 %	22.0 %	0.0 %	0.0 %	0.0 %	15.6 %	36.8 %	19.6 %	
1985	82.8 %	8.4 %	91.2 %	0.0 %	8.8 %	8.8 %	82.8 %	17.2 %	21.8 %	87.5 %	27.8 %	0.0 %	0.0 %	0.0 %	21.8 %	42.6 %	25.4 %	
1986	76.8 %	4.8 %	81.6 %	0.9 %	17.5 %	18.4 %	77.7 %	22.3 %	29.7 %	74.2 %	32.3 %	0.0 %	0.0 %	0.0 %	29.3 %	16.1 %	26.4 %	
1987	64.4 %	12.7 %	77.1 %	1.8 %	21.0 %	22.9 %	66.3 %	33.7 %	19.9 %	75.0 %	29.0 %	0.0 %	0.0 %	0.0 %	19.4 %	28.2 %	22.4 %	
1988	79.3 %	7.2 %	86.5 %	0.0 %	13.5 %	13.5 %	79.3 %	20.7 %	16.9 %	61.4 %	20.6 %	0.0 %	3.8 %	3.8 %	16.9 %	23.8 %	18.3 %	
1989	68.9 %	8.4 %	77.3 %	0.0 %	22.7 %	22.7 %	68.9 %	31.1 %	28.6 %	70.6 %	33.1 %	0.0 %	41.8 %	41.8 %	28.6 %	49.6 %	35.1 %	
1990	62.4 %	7.3 %	69.7 %	1.2 %	29.2 %	30.3 %	63.6 %	36.4 %	44.3 %	73.5 %	47.4 %	0.0 %	11.4 %	10.9 %	43.5 %	23.8 %	36.3 %	
1991	48.7 %	17.4 %	66.1 %	0.0 %	33.9 %	33.9 %	48.7 %	51.3 %	18.4 %	70.3 %	32.0 %	0.0 %	18.1 %	18.1 %	18.4 %	35.8 %	27.3 %	
1992	69.7 %	7.5 %	77.2 %	0.0 %	22.8 %	22.8 %	69.7 %	30.3 %	32.7 %	80.6 %	37.4 %	0.0 %	19.3 %	19.3 %	32.7 %	34.5 %	33.3 %	
1993	70.0 %	7.6 %	77.6 %	0.0 %	22.4 %	22.4 %	70.0 %	30.0 %	25.2 %	33.3 %	26.0 %	0.0 %	20.0 %	20.0 %	25.2 %	23.4 %	24.6 %	
1994	79.7 %	1.8 %	81.5 %	0.0 %	18.5 %	18.5 %	79.7 %	20.3 %	54.8 %	0.0 %	53.5 %	0.0 %	49.2 %	49.2 %	54.8 %	44.8 %	52.7 %	
1995	71.9 %	2.0 %	73.9 %	0.0 %	26.1 %	26.1 %	71.9 %	28.1 %	33.4 %	46.2 %	33.7 %	0.0 %	9.4 %	9.4 %	33.4 %	12.0 %	27.4 %	
1996	75.0 %	2.4 %	77.4 %	0.0 %	22.6 %	22.6 %	75.0 %	25.0 %	28.2 %	50.0 %	28.9 %	0.0 %	27.1 %	27.1 %	28.2 %	29.4 %	28.5 %	
1981 - 96	71.7 %	7.1 %	78.8 %	0.5 %	20.7 %	21.2 %	72.1 %	27.9 %	26.9 %	71.7 %	31.0 %	0.0 %	17.0 %	16.6 %	26.7 %	31.0 %	27.9 %	
Average	67.9 %	6.0 %	73.9 %	6.2 %	19.9 %	26.1 %	74.1 %	25.9 %	20.3 %	75.7 %	24.8 %	1.4 %	10.5 %	8.3 %	18.7 %	25.6 %	20.5 %	

1) CIS produced aircraft not included

Source: Manufacturers



TABLE 2.5

CIVIL JET AIRCRAFT DELIVERIES IN UNITS<sup>1</sup>

	Category Breakdown in % of World Total									Market Share of EU-built Aircraft in % of World Total								
	Short-Medium Haul			Long Haul			Both			Short-Medium Haul			Long Haul			Both		
	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both
Until 1980	64.2 %	1.8 %	66.0 %	16.4 %	17.6 %	34.0 %	80.6 %	19.4 %	9.9 %	100.0 %	12.4 %	1.5 %	0.0 %	0.7 %	8.2 %	9.3 %	8.4 %	
1981	67.0 %	8.4 %	75.4 %	0.5 %	24.1 %	24.6 %	67.4 %	32.6 %	4.8 %	100.0 %	15.4 %	0.0 %	0.0 %	0.0 %	4.7 %	25.9 %	11.6 %	
1982	58.9 %	17.5 %	76.5 %	2.6 %	20.9 %	23.5 %	61.6 %	38.4 %	6.7 %	86.8 %	25.1 %	0.0 %	0.0 %	0.0 %	6.5 %	39.7 %	19.2 %	
1983	58.3 %	16.1 %	74.4 %	2.4 %	23.2 %	25.6 %	60.7 %	39.3 %	13.8 %	66.7 %	25.2 %	0.0 %	0.0 %	0.0 %	13.2 %	27.3 %	18.8 %	
1984	59.1 %	20.6 %	79.7 %	2.8 %	17.4 %	20.3 %	61.9 %	38.1 %	17.5 %	82.8 %	34.4 %	0.0 %	0.0 %	0.0 %	16.7 %	44.9 %	27.4 %	
1985	70.2 %	13.9 %	84.1 %	0.8 %	15.0 %	15.9 %	71.0 %	29.0 %	11.9 %	84.0 %	23.8 %	0.0 %	0.0 %	0.0 %	11.8 %	40.4 %	20.1 %	
1986	72.7 %	9.3 %	82.0 %	1.0 %	17.1 %	18.0 %	73.7 %	26.3 %	12.1 %	76.3 %	19.3 %	0.0 %	0.0 %	0.0 %	11.9 %	26.9 %	15.9 %	
1987	74.5 %	10.1 %	84.6 %	2.1 %	13.3 %	15.4 %	76.6 %	23.4 %	8.6 %	72.7 %	16.3 %	0.0 %	0.0 %	0.0 %	8.4 %	31.4 %	13.8 %	
1988	74.2 %	12.1 %	86.3 %	0.0 %	13.7 %	13.7 %	74.2 %	25.8 %	12.1 %	72.6 %	20.6 %	0.0 %	0.0 %	0.0 %	12.1 %	34.1 %	17.8 %	
1989	76.4 %	10.3 %	86.7 %	0.9 %	12.4 %	13.3 %	77.2 %	22.8 %	27.8 %	79.7 %	33.9 %	0.0 %	0.0 %	0.0 %	27.4 %	36.2 %	29.4 %	
1990	74.1 %	8.5 %	82.6 %	0.6 %	16.8 %	17.4 %	74.7 %	25.3 %	21.5 %	64.9 %	26.0 %	0.0 %	0.0 %	0.0 %	21.4 %	21.8 %	21.5 %	
1991	74.6 %	7.5 %	82.2 %	1.7 %	16.2 %	17.8 %	76.3 %	23.7 %	31.4 %	68.8 %	34.9 %	0.0 %	0.0 %	0.0 %	30.8 %	21.9 %	28.7 %	
1992	73.2 %	8.3 %	81.5 %	0.6 %	17.9 %	18.5 %	73.9 %	26.1 %	28.8 %	68.7 %	32.8 %	0.0 %	0.0 %	0.0 %	28.5 %	21.7 %	26.8 %	
1993	67.7 %	9.4 %	77.1 %	0.0 %	22.9 %	22.9 %	67.7 %	32.3 %	34.7 %	72.1 %	39.2 %	0.0 %	15.4 %	15.4 %	34.7 %	31.9 %	33.8 %	
1994	69.7 %	7.3 %	77.0 %	0.2 %	22.8 %	23.0 %	69.9 %	30.1 %	34.9 %	65.8 %	37.8 %	0.0 %	28.8 %	28.6 %	34.8 %	37.8 %	35.7 %	
1995	65.7 %	6.7 %	72.3 %	0.0 %	27.7 %	27.7 %	65.7 %	34.3 %	38.9 %	61.3 %	40.9 %	0.0 %	38.0 %	38.0 %	38.9 %	42.5 %	40.1 %	
1996	65.5 %	5.9 %	71.3 %	0.0 %	28.7 %	28.7 %	65.5 %	34.5 %	35.5 %	48.3 %	36.5 %	0.0 %	28.2 %	28.2 %	35.5 %	31.6 %	34.1 %	
1981 - 96	70.1 %	9.9 %	80.0 %	0.9 %	19.1 %	20.0 %	71.0 %	29.0 %	23.5 %	73.7 %	29.7 %	0.0 %	9.4 %	9.0 %	23.2 %	31.3 %	25.5 %	
Average	67.6 %	6.5 %	74.2 %	7.4 %	18.5 %	25.8 %	75.0 %	25.0 %	18.1 %	76.7 %	23.2 %	1.4 %	5.7 %	4.4 %	16.4 %	24.2 %	18.4 %	

1) CIS produced aircraft not included

Source: Manufacturers

TABLE 2.6

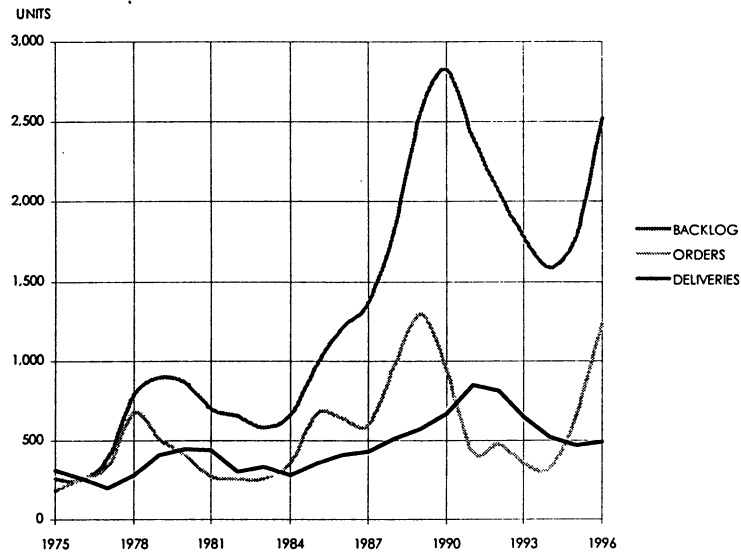
CIVIL JET AIRCRAFT BACKLOG IN UNITS<sup>1</sup>

	Category Breakdown in % of World Total									Market Share of EU-built Aircraft in % of World Total								
	Short-Medium Haul			Long Haul			Both			Short-Medium Haul			Long Haul			Both		
	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both	Narrow Body	Wide Body	Both
1981	58.1 %	16.5 %	74.7 %	1.6 %	23.7 %	25.3 %	59.7 %	40.3 %		4.8 %	83.0 %	22.1 %	0.0 %	0.0 %	0.0 %	4.7 %	34.1 %	16.5 %
1982	59.7 %	14.5 %	74.2 %	1.4 %	24.4 %	25.8 %	61.1 %	38.9 %		4.2 %	82.7 %	19.6 %	0.0 %	0.0 %	0.0 %	4.1 %	30.9 %	14.5 %
1983	62.5 %	12.6 %	75.1 %	2.0 %	23.0 %	24.9 %	64.4 %	35.6 %		6.8 %	86.1 %	20.1 %	0.0 %	0.0 %	0.0 %	6.6 %	30.6 %	15.1 %
1984	67.4 %	10.0 %	77.5 %	1.3 %	21.2 %	22.5 %	68.8 %	31.2 %		7.6 %	87.9 %	18.0 %	0.0 %	0.0 %	0.0 %	7.4 %	28.3 %	13.9 %
1985	72.4 %	8.7 %	81.1 %	1.0 %	17.9 %	18.9 %	73.4 %	26.6 %		12.6 %	89.0 %	20.8 %	0.0 %	0.0 %	0.0 %	12.4 %	29.1 %	16.9 %
1986	73.7 %	7.4 %	81.1 %	1.0 %	18.0 %	18.9 %	74.6 %	25.4 %		18.1 %	89.1 %	24.6 %	0.0 %	0.0 %	0.0 %	17.9 %	26.0 %	20.0 %
1987	71.1 %	8.3 %	79.4 %	1.0 %	19.7 %	20.6 %	72.1 %	27.9 %		20.5 %	87.2 %	27.4 %	0.0 %	0.0 %	0.0 %	20.2 %	25.9 %	21.8 %
1988	73.4 %	7.2 %	80.6 %	0.8 %	18.6 %	19.4 %	74.3 %	25.7 %		20.7 %	82.7 %	26.2 %	0.0 %	1.0 %	0.9 %	20.4 %	23.7 %	21.3 %
1989	71.3 %	7.1 %	78.4 %	0.5 %	21.1 %	21.6 %	71.8 %	28.2 %		22.3 %	78.0 %	27.3 %	0.0 %	17.5 %	17.1 %	22.1 %	32.8 %	25.1 %
1990	68.5 %	6.9 %	75.4 %	0.6 %	23.9 %	24.6 %	69.2 %	30.8 %		27.5 %	79.8 %	32.3 %	0.0 %	17.8 %	17.4 %	27.2 %	31.7 %	28.6 %
1991	64.4 %	8.1 %	72.5 %	0.3 %	27.2 %	27.5 %	64.7 %	35.3 %		25.4 %	79.8 %	31.5 %	0.0 %	20.6 %	20.4 %	25.3 %	34.2 %	28.4 %
1992	62.8 %	8.0 %	70.8 %	0.2 %	29.0 %	29.2 %	63.0 %	37.0 %		25.6 %	83.1 %	32.1 %	0.0 %	23.9 %	23.8 %	25.6 %	36.6 %	29.6 %
1993	62.6 %	7.6 %	70.2 %	0.2 %	29.7 %	29.8 %	62.8 %	37.2 %		23.2 %	79.7 %	29.3 %	0.0 %	25.1 %	24.9 %	23.1 %	36.2 %	28.0 %
1994	63.4 %	6.8 %	70.2 %	0.2 %	29.6 %	29.8 %	63.6 %	36.4 %		25.8 %	80.0 %	31.0 %	0.0 %	26.5 %	26.4 %	25.7 %	36.5 %	29.6 %
1995	65.1 %	5.7 %	70.8 %	0.1 %	29.1 %	29.2 %	65.2 %	34.8 %		25.5 %	80.9 %	30.0 %	0.0 %	20.8 %	20.7 %	25.5 %	30.6 %	27.3 %
1996	68.6 %	4.5 %	73.1 %	0.1 %	26.8 %	26.9 %	68.7 %	31.3 %		25.2 %	81.0 %	28.6 %	0.0 %	21.6 %	21.5 %	25.2 %	30.1 %	26.7 %
Average	67.0 %	8.1 %	75.0 %	0.6 %	24.3 %	25.0 %	67.6 %	32.4 %		20.7 %	82.8 %	27.4 %	0.0 %	14.8 %	14.4 %	20.5 %	31.7 %	24.1 %

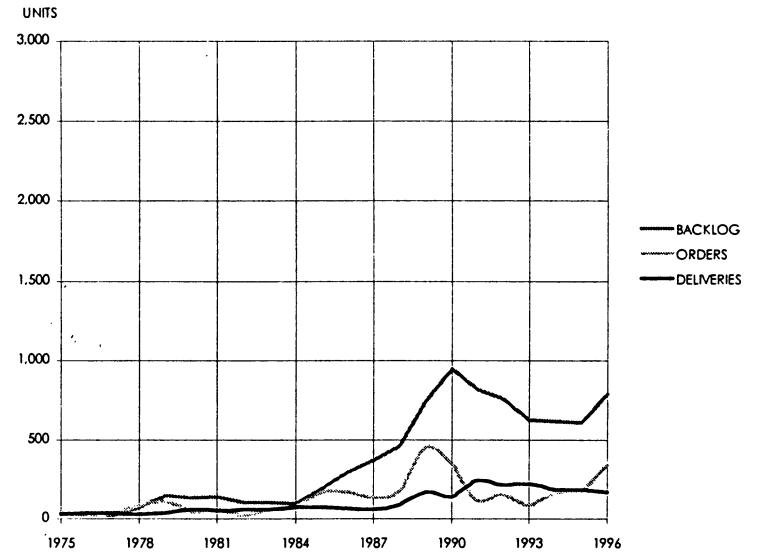
1) CIS produced aircraft not included

Source: Manufacturers

**CHART 2.4**  
**CIVIL JET AIRCRAFT WORLD ORDERS / DELIVERIES / BACKLOG**



**CHART 2.5**  
**EU SHARE OF CIVIL JET AIRCRAFT ORDERS / DELIVERIES / BACKLOG**



Source: Manufacturers

TABLE 2.7

## AIRCRAFT INCLUDED IN TABLES 2.8 TO 2.20

SHORT/MEDIUM-HAUL TURBOPROPS			SHORT/MEDIUM-HAUL JETS			LONG-HAUL JETS					
Model	Design Origin	Number of Seats	Model	Design Origin	Number of Seats	Model	Design Origin	Number of Seats	Model	Design Origin	Number of Seats
ARGOSY	EUR	114	BEECH 1900	USA	19	A300	EUR	275	B720	USA	130-150
ATR42	EUR	48	CONVAIR CV 580, 600, 640	USA	50-56	A310 200	EUR	220	B727	USA	127-143
ATR72	EUR	66	ELECTRA	USA	99	A319	EUR	124	B737	USA	108-160
BAE ATP	EUR	64	FH227	USA	50	A320	EUR	145	B747 SR, 300SR	USA	544
BRITANNIA 1/200	EUR	80	HERCULES C130, L100	USA	80	A321	EUR	180	B757	USA	187
CASA 212	EUR	19	FAIRCHILD METRO II, III	USA	19	BAC 111	EUR	100-101	B767 200, 300 <sup>1</sup>	USA	201-230
CN 235	EUR	41				BAE 146	EUR	82-115	CV 880	USA	120
DO 228 100, 200	EUR	19	AN 12	Other	110	CARAVELLE	EUR	80-120	DC 9	USA	90-139
DO 328	EUR	32	AN 22	Other	29	F28	EUR	65-85	DC 10 10, 15	USA	272
F27 400, 500, 600	EUR	50	AN 24	Other	48	F70	EUR	79	MD 80	USA	114-143
F50	EUR	50	AN 26	Other	55	F100	EUR	107	MD 90	USA	153
F60	EUR	60	AN 30	Other	55	MERCURE	EUR	150	MD 95	USA	120
HERALD	EUR	47	AN 32	Other	55	RJ 70	EUR	85			
HS 748	EUR	45-48	ARAVA	Other	20	RJ 85	EUR	95	AN 124	Other	450
JETSTREAM 31	EUR	19	EMBRAER BANDEIRANT	Other	19	RJ 100	EUR	115	AN 225	Other	500
JETSTREAM 41	EUR	28	EMBRAER BRASILIA	Other	30	VFW 614	EUR	36	EMB 145	Other	45
MOHAWK	EUR	29	CL 44	Other	100				IL 76	Other	300
N 250	EUR	50	DHC6	Other	19				IL 86	Other	345
NORD 262	EUR	29	DHC7 100	Other	50				IL 96	Other	235
SAAB 2000	EUR	50	DHC8 100, 300, 400	Other	36-74				RJ 600	Other	50
SAAB 340	EUR	33	IL 114	Other	65				TU 134	Other	74
SD 320 LINER, VAN	EUR	19	IL 18	Other	102				TU 154	Other	159
SD 330	EUR	30	Y7	Other	50				TU 204	Other	190
SD 360	EUR	36	YS 11A	Other	60				YAK 40, 42	Other	30-31
VANGUARD	EUR	140									
VISCOUNT 700, 800	EUR	70									

1) Differences in actual configurations cause B767 300 to fall in as well Medium- as Long-haul categories.

Source: Aerospatiale

TABLE 2.8 CIVIL AIRCRAFT FLEET AVERAGE AGE IN YEARS AT YEAR-END

All Aircraft Categories

According to number of aircraft

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU15	Other Europe	USA	Rest of World	World
1986	7.0	11.8	8.3	10.4	12.4	8.6	13.0	12.6	9.9	14.8	10.0	15.9	10.8	10.2	11.5	11.5	11.5	12.5	12.0	12.1
1987	6.9	13.0	7.8	8.9	12.4	8.6	13.4	12.9	10.9	14.2	9.6	12.5	10.7	10.1	11.4	11.5	12.2	12.6	12.7	12.6
1988	6.3	14.9	7.8	10.4	11.7	8.3	13.1	12.6	12.0	13.2	9.8	13.6	11.1	10.1	11.2	11.4	12.2	12.7	13.1	12.9
1989	6.3	15.6	7.4	11.1	12.1	8.9	12.9	12.7	12.9	15.3	10.6	12.2	9.6	8.9	10.0	11.3	12.7	12.9	13.5	13.2
1990	5.2	14.2	6.6	11.0	11.6	9.1	12.7	12.9	12.6	11.7	10.9	11.9	8.6	8.3	9.2	10.9	12.5	12.8	13.9	13.4
1991	4.9	13.7	6.1	9.6	10.7	9.4	11.7	13.0	11.9	9.0	10.5	10.5	8.5	8.9	8.2	10.3	12.6	12.8	14.3	13.7
1992	5.3	13.1	6.0	10.2	10.7	10.4	11.8	12.7	13.4	11.8	10.7	10.5	8.4	9.0	8.1	10.3	14.3	12.6	14.5	13.8
1993	6.5	13.7	6.1	11.4	11.3	10.0	11.5	12.5	12.6	11.0	10.7	9.0	8.4	9.8	9.3	10.4	14.7	12.7	14.9	14.0
1994	7.0	14.5	6.3	11.7	11.5	11.0	11.3	12.6	13.3	8.6	10.4	9.5	8.4	11.1	10.2	10.6	15.4	13.2	15.4	14.6
1995	6.4	14.6	7.1	11.5	12.1	11.7	11.3	13.3	14.0	10.9	9.3	7.4	8.5	11.6	11.0	11.0	16.1	13.6	15.9	15.1

Passenger Aircraft

According to number of aircraft

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU15	Other Europe	USA	Rest of World	World
1986	5.9	11.3	8.3	10.3	13.9	7.8	13.1	10.9	9.5	14.0	9.9	14.3	9.5	10.0	11.2	10.9	10.9	10.4	11.9	11.3
1987	5.7	10.0	7.5	8.0	13.4	7.7	13.4	11.2	10.5	13.1	9.4	14.1	9.3	9.1	10.9	10.8	11.5	10.4	12.5	11.7
1988	5.1	9.1	7.5	9.5	11.5	7.3	13.1	10.7	11.6	12.7	9.2	15.0	9.1	8.6	10.8	10.4	11.2	10.4	13.0	11.9
1989	5.1	7.4	6.8	10.2	11.6	7.9	12.9	10.6	12.7	15.2	10.0	11.5	8.1	6.2	9.5	10.1	11.6	10.5	13.2	12.1
1990	4.0	7.8	5.7	10.0	10.4	8.2	12.4	10.8	12.1	11.3	10.2	10.3	7.0	4.9	8.6	9.6	11.2	10.3	13.5	12.1
1991	3.8	6.4	4.8	8.3	9.5	8.5	11.3	10.6	11.1	7.8	9.9	5.8	6.9	5.8	7.7	8.8	11.3	10.1	13.7	12.2
1992	4.4	6.8	4.7	9.0	8.9	9.4	11.5	9.9	11.3	9.7	10.0	4.8	7.0	5.6	7.8	8.6	14.2	9.7	13.4	12.1
1993	5.4	7.9	4.9	9.3	9.6	9.2	11.1	9.7	10.4	9.2	10.0	3.1	7.1	5.5	9.3	8.7	14.7	9.7	13.5	12.3
1994	5.8	8.7	5.1	10.1	9.5	10.3	11.0	9.5	11.1	8.0	9.6	3.1	7.4	6.0	10.0	8.8	15.2	10.2	13.9	12.7
1995	5.4	9.8	5.8	10.2	9.8	10.9	10.9	9.9	11.8	7.7	8.4	3.4	7.1	6.6	10.7	9.0	15.9	10.6	14.3	13.2

Passenger Aircraft

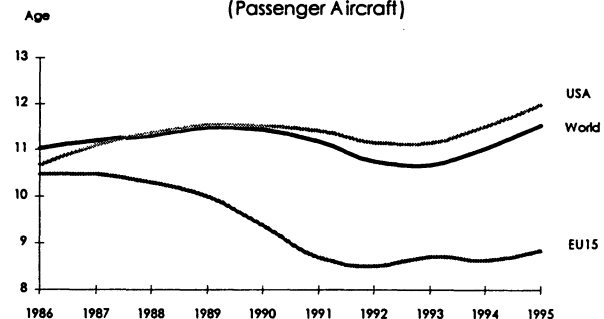
According to number of seats

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU15	Other Europe	USA	Rest of World	World
1986	5.6	10.1	8.3	11.9	13.0	8.4	12.1	10.3	10.1	15.5	8.4	13.7	9.5	9.6	11.5	10.5	10.2	11.0	10.4	10.7
1987	5.6	8.9	7.8	8.2	12.6	8.1	12.7	10.5	11.1	14.1	8.6	13.4	9.7	8.9	11.7	10.5	10.7	11.2	11.0	11.1
1988	5.2	9.0	7.8	9.6	10.7	8.3	12.7	10.3	12.2	14.2	8.8	15.9	9.5	8.3	11.4	10.3	10.5	11.3	11.5	11.4
1989	5.5	7.5	7.0	10.1	11.0	9.0	12.5	10.2	13.3	16.7	9.4	14.4	8.1	6.1	9.6	10.0	10.7	11.5	11.6	11.5
1990	4.6	8.5	5.8	9.3	10.4	8.8	12.2	9.9	12.9	12.1	9.8	12.3	7.4	5.2	8.6	9.4	10.1	11.5	11.7	11.5
1991	4.4	7.0	5.1	6.6	9.6	9.1	11.0	9.8	12.0	9.8	9.6	10.5	7.3	6.0	7.3	8.7	9.9	11.2	11.7	11.4
1992	4.9	7.8	4.9	7.6	9.3	9.8	11.2	9.2	12.0	12.3	9.6	7.8	6.9	5.9	7.3	8.5	11.8	10.8	11.3	11.2
1993	5.7	9.1	5.1	7.8	10.0	9.0	11.0	9.3	11.0	11.5	9.7	3.5	7.4	5.8	8.6	8.7	12.1	10.7	11.3	11.2
1994	6.3	9.6	4.9	10.1	10.0	10.1	10.5	9.2	11.7	9.1	9.3	2.6	6.8	6.0	9.5	8.6	12.7	11.0	11.6	11.5
1995	5.8	10.1	5.4	10.3	10.4	10.8	10.4	9.7	12.4	7.4	8.5	2.7	6.4	6.1	10.6	8.8	13.3	11.6	12.0	12.0

Source: Aerospatiale

CHART 2.6

Average Fleet Age according to Number of Seats (Passenger Aircraft)



Source: Aerospatiale

TABLE 2.9

## CIVIL TRANSPORT AIRCRAFT IN SERVICE AT YEAR-END

	All Aircraft Categories														
	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of fleet in each geographical area				
	<i>Breakdown by Units</i>														
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	11.7 %	3.5 %	31.3 %	53.4 %	18,940	30.0 %	3.5 %	23.1 %	43.3 %	2,789	37.7 %	14.8 %	10.8 %	12.0 %	14.7 %
1987	11.9 %	3.4 %	32.1 %	52.5 %	19,652	29.6 %	3.3 %	24.7 %	42.4 %	2,990	37.7 %	14.5 %	11.7 %	12.3 %	15.2 %
1988	12.5 %	3.4 %	32.2 %	52.0 %	20,630	29.5 %	3.7 %	25.4 %	41.4 %	3,280	37.7 %	17.2 %	12.5 %	12.7 %	15.9 %
1989	13.0 %	3.3 %	32.4 %	51.3 %	21,549	30.4 %	3.6 %	25.6 %	40.4 %	3,590	38.9 %	18.1 %	13.2 %	13.1 %	16.7 %
1990	13.5 %	3.4 %	32.9 %	50.2 %	22,358	30.9 %	3.6 %	26.5 %	38.9 %	3,895	39.9 %	18.8 %	14.0 %	13.5 %	17.4 %
1991	14.1 %	3.7 %	32.1 %	50.0 %	23,112	31.0 %	3.7 %	25.8 %	39.5 %	4,211	40.1 %	17.9 %	14.7 %	14.4 %	18.2 %
1992	13.9 %	16.6 %	31.9 %	37.7 %	23,873	29.5 %	3.9 %	26.7 %	39.9 %	4,460	39.8 %	4.4 %	15.6 %	19.8 %	18.7 %
1993	13.6 %	16.9 %	31.8 %	37.7 %	24,572	29.3 %	4.0 %	26.3 %	40.4 %	4,729	41.4 %	4.5 %	15.9 %	20.6 %	19.2 %
1994	13.5 %	16.7 %	32.0 %	37.8 %	25,170	28.8 %	4.5 %	26.1 %	40.6 %	4,949	41.9 %	5.3 %	16.0 %	21.2 %	19.7 %
1995	13.6 %	16.3 %	31.9 %	38.2 %	25,812	28.0 %	4.8 %	25.6 %	41.6 %	5,253	41.9 %	6.0 %	16.3 %	22.2 %	20.4 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	13.2 %	3.0 %	33.5 %	50.3 %	2,094	32.6 %	4.2 %	20.0 %	43.3 %	214	25.2 %	14.4 %	6.1 %	8.8 %	10.2 %
1987	13.2 %	3.0 %	34.0 %	49.9 %	2,184	32.4 %	3.8 %	20.5 %	43.3 %	226	25.4 %	13.4 %	6.2 %	9.0 %	10.3 %
1988	13.6 %	2.9 %	33.9 %	49.7 %	2,303	32.3 %	4.2 %	21.1 %	42.5 %	246	25.5 %	15.5 %	6.7 %	9.1 %	10.7 %
1989	14.2 %	2.8 %	33.7 %	49.3 %	2,420	32.9 %	4.3 %	21.1 %	41.7 %	275	26.4 %	17.1 %	7.1 %	9.6 %	11.4 %
1990	14.6 %	3.0 %	33.8 %	48.5 %	2,535	33.6 %	4.4 %	21.3 %	40.8 %	300	27.1 %	17.0 %	7.4 %	10.0 %	11.8 %
1991	15.3 %	3.3 %	32.6 %	48.9 %	2,644	33.2 %	4.4 %	19.5 %	42.9 %	333	27.4 %	17.1 %	7.5 %	11.0 %	12.6 %
1992	15.1 %	15.8 %	32.1 %	37.0 %	2,768	31.3 %	4.9 %	20.5 %	43.4 %	362	27.1 %	4.1 %	8.3 %	15.3 %	13.1 %
1993	14.8 %	16.4 %	31.7 %	37.0 %	2,877	30.5 %	4.8 %	20.6 %	44.1 %	397	28.4 %	4.0 %	8.9 %	16.4 %	13.8 %
1994	14.7 %	16.4 %	31.7 %	37.1 %	2,965	30.0 %	5.2 %	20.6 %	44.2 %	425	29.3 %	4.5 %	9.3 %	17.1 %	14.3 %
1995	14.9 %	16.1 %	31.5 %	37.5 %	3,051	29.3 %	5.6 %	19.1 %	46.0 %	461	29.7 %	5.3 %	9.2 %	18.5 %	15.1 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	14.5 %	3.0 %	29.6 %	52.9 %	128,417	22.9 %	6.4 %	26.0 %	44.7 %	15,086	18.6 %	24.9 %	10.3 %	9.9 %	11.7 %
1987	14.9 %	2.9 %	31.1 %	51.1 %	119,252	23.8 %	5.3 %	27.3 %	43.5 %	14,345	19.2 %	22.4 %	10.6 %	10.2 %	12.0 %
1988	15.6 %	3.0 %	31.3 %	50.2 %	130,976	25.1 %	6.2 %	28.3 %	40.4 %	16,884	20.7 %	27.0 %	11.7 %	10.4 %	12.9 %
1989	17.4 %	2.9 %	30.4 %	49.3 %	162,116	27.3 %	5.7 %	27.3 %	39.6 %	23,949	23.1 %	29.6 %	13.2 %	11.9 %	14.8 %
1990	19.2 %	3.2 %	30.4 %	47.2 %	166,265	29.4 %	5.5 %	26.3 %	38.9 %	26,156	24.0 %	26.7 %	13.6 %	13.0 %	15.7 %
1991	20.9 %	3.5 %	29.1 %	46.5 %	201,492	31.0 %	5.1 %	23.7 %	40.1 %	34,647	25.5 %	25.2 %	14.0 %	14.8 %	17.2 %
1992	20.2 %	14.0 %	29.3 %	36.6 %	224,174	28.3 %	6.4 %	24.5 %	40.9 %	40,153	25.1 %	8.2 %	15.0 %	20.0 %	17.9 %
1993	19.5 %	14.4 %	29.1 %	37.1 %	274,801	28.1 %	6.1 %	24.4 %	41.5 %	52,823	27.7 %	8.2 %	16.1 %	21.5 %	19.2 %
1994	19.9 %	13.8 %	28.4 %	37.8 %	284,845	29.2 %	6.0 %	23.1 %	41.8 %	59,072	30.3 %	9.0 %	16.8 %	22.9 %	20.7 %
1995	20.2 %	13.0 %	28.0 %	38.8 %	268,112	28.5 %	6.4 %	20.4 %	44.7 %	61,251	32.2 %	11.3 %	16.7 %	26.3 %	22.8 %

Source: Aérospatiale

**CHART 2.7 All aircraft types in service 1995. Comparisons by value.**

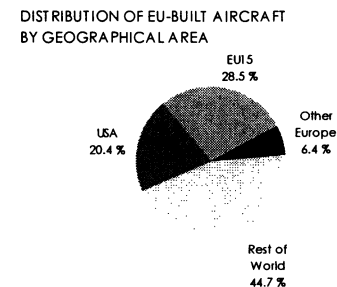
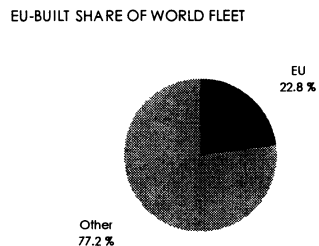
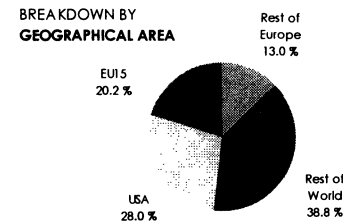
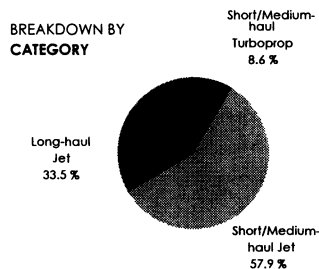
(opposite page)

The lefthand section shows the distribution of all aircraft by area with no regard to origin. In 1995 the world's fleet amounted to 25,812 units. 13.6 % of them were registered in the EU, 16.3 % in the rest of Europe, etc.

The middle section shows how the EU-built fleet is distributed around the world, e.g. of the 5,253 units built in the EU, 28.0 % of them were registered within the EU, 4.8 % were registered in the rest of Europe, etc.

The righthand section shows the proportion of the fleet in each area that was built in the EU, e.g. in 1995 EU-built aircraft accounted for 20.4 % of the world's total fleet. Of the EU total fleet, 41.9 % were of EU origin.

These principles apply to all three breakdown categories: by units, by seats, by value.



Source: Aerospatiale

TABLE 2.10

## CIVIL TRANSPORT AIRCRAFT ANNUAL DELIVERIES

	All Aircraft Categories														
	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of deliveries in each geographical area				
	Breakdown by Units														
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	13.8 %	3.9 %	46.8 %	35.5 %	862	17.8 %	6.6 %	46.3 %	29.3 %	259	38.7 %	50.0 %	29.8 %	24.8 %	30.0 %
1987	17.7 %	2.0 %	49.4 %	30.9 %	863	24.2 %	2.0 %	49.6 %	24.2 %	252	39.9 %	29.4 %	29.3 %	22.8 %	29.2 %
1988	20.3 %	4.2 %	40.9 %	34.6 %	1,073	30.0 %	9.1 %	31.0 %	30.0 %	287	39.4 %	57.8 %	20.3 %	23.2 %	26.7 %
1989	25.6 %	3.0 %	37.6 %	33.8 %	1,109	30.3 %	4.4 %	28.8 %	36.5 %	389	41.5 %	51.5 %	26.9 %	37.9 %	35.1 %
1990	26.4 %	3.3 %	40.2 %	30.2 %	1,247	33.2 %	5.1 %	35.0 %	26.6 %	394	39.8 %	48.8 %	27.5 %	27.9 %	31.6 %
1991	32.4 %	3.2 %	36.4 %	28.0 %	1,361	39.0 %	3.8 %	33.5 %	23.8 %	480	42.4 %	40.9 %	32.5 %	29.9 %	35.3 %
1992	21.1 %	8.0 %	38.9 %	32.0 %	1,249	21.3 %	8.1 %	36.4 %	34.3 %	385	31.2 %	31.0 %	28.8 %	33.0 %	30.8 %
1993	18.6 %	11.8 %	37.4 %	32.1 %	1,030	25.9 %	6.2 %	32.3 %	35.6 %	371	50.0 %	18.9 %	31.2 %	39.9 %	36.0 %
1994	18.1 %	8.0 %	40.8 %	33.1 %	840	24.5 %	8.7 %	31.0 %	35.9 %	323	52.0 %	41.8 %	29.2 %	41.7 %	38.5 %
1995	16.1 %	7.6 %	42.7 %	33.6 %	751	23.5 %	11.3 %	28.3 %	36.9 %	336	65.3 %	66.7 %	29.6 %	49.2 %	44.7 %
	Breakdown by Seats														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	12.8 %	3.6 %	37.3 %	46.3 %	105	15.9 %	11.3 %	37.0 %	35.8 %	15	18.2 %	46.2 %	14.6 %	11.4 %	14.7 %
1987	16.1 %	1.8 %	41.3 %	40.8 %	102	31.9 %	1.0 %	35.0 %	32.1 %	15	28.6 %	8.1 %	12.2 %	11.3 %	14.4 %
1988	18.8 %	3.6 %	36.2 %	41.4 %	131	30.7 %	9.2 %	32.4 %	27.8 %	22	27.8 %	43.4 %	15.2 %	11.4 %	17.0 %
1989	27.3 %	2.9 %	29.6 %	40.2 %	135	33.6 %	4.6 %	26.1 %	35.7 %	33	30.3 %	39.3 %	21.7 %	21.9 %	24.6 %
1990	27.7 %	2.8 %	30.4 %	39.0 %	159	41.0 %	4.4 %	21.9 %	32.7 %	31	28.9 %	30.5 %	14.1 %	16.4 %	19.5 %
1991	31.3 %	3.8 %	29.8 %	35.1 %	180	40.3 %	3.6 %	24.7 %	31.4 %	45	32.2 %	23.8 %	20.6 %	22.3 %	24.9 %
1992	21.0 %	8.4 %	32.1 %	38.6 %	179	19.8 %	8.4 %	29.4 %	42.5 %	39	20.8 %	22.0 %	20.2 %	24.2 %	22.0 %
1993	17.5 %	13.7 %	31.1 %	37.7 %	148	25.3 %	6.1 %	31.1 %	37.4 %	40	39.2 %	12.0 %	27.2 %	27.0 %	27.1 %
1994	20.6 %	8.0 %	30.8 %	40.6 %	116	28.0 %	4.7 %	28.0 %	39.2 %	39	45.1 %	19.5 %	30.2 %	32.1 %	33.2 %
1995	15.9 %	7.4 %	37.2 %	39.5 %	102	22.5 %	9.1 %	24.2 %	44.2 %	40	56.3 %	48.3 %	25.8 %	44.3 %	39.6 %
	Breakdown by Current Value														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	12.8 %	3.6 %	36.9 %	46.7 %	22,339	14.7 %	12.4 %	35.0 %	37.9 %	2,967	15.3 %	46.2 %	12.6 %	10.8 %	13.3 %
1987	16.0 %	1.8 %	41.3 %	40.8 %	18,549	31.4 %	0.8 %	33.1 %	34.7 %	2,520	26.6 %	5.9 %	10.9 %	11.5 %	13.6 %
1988	18.7 %	3.6 %	36.7 %	41.0 %	23,557	30.0 %	9.5 %	32.4 %	28.1 %	3,879	26.5 %	43.7 %	14.5 %	11.3 %	16.5 %
1989	27.9 %	2.9 %	28.9 %	40.3 %	33,933	34.1 %	4.8 %	25.5 %	35.7 %	8,053	29.0 %	39.6 %	20.9 %	21.0 %	23.7 %
1990	28.0 %	2.7 %	29.5 %	39.8 %	37,007	41.5 %	4.3 %	21.1 %	33.1 %	6,790	27.1 %	29.3 %	13.1 %	15.3 %	18.3 %
1991	31.1 %	3.8 %	29.2 %	35.9 %	45,717	40.1 %	3.7 %	24.0 %	32.1 %	10,770	30.4 %	23.0 %	19.4 %	21.1 %	23.6 %
1992	20.9 %	8.0 %	31.7 %	39.4 %	45,758	19.5 %	8.9 %	28.7 %	42.9 %	9,561	19.4 %	23.2 %	18.9 %	22.8 %	20.9 %
1993	17.8 %	13.0 %	30.6 %	38.6 %	44,206	26.4 %	6.2 %	30.6 %	36.7 %	11,582	38.9 %	12.5 %	26.2 %	24.9 %	26.2 %
1994	21.3 %	7.3 %	29.4 %	42.0 %	34,639	29.3 %	4.4 %	27.2 %	39.1 %	11,202	44.4 %	19.4 %	29.9 %	30.1 %	32.3 %
1995	15.8 %	6.6 %	36.0 %	41.6 %	28,148	22.1 %	8.2 %	23.2 %	46.6 %	10,983	54.5 %	48.5 %	25.1 %	43.7 %	39.0 %

Source: Aerospatiale



**CHART 2.8 All aircraft types deliveries 1995 Comparisons by value**

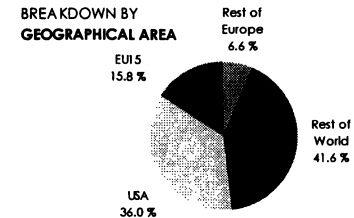
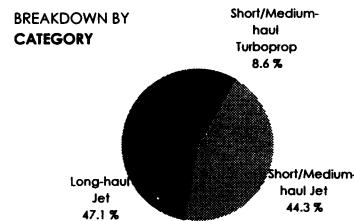
(opposite page)

The lefthand section shows the distribution of all deliveries by area with no regard to origin. In 1995 the world's deliveries amounted to 751 units. 16.1 % of them were registered in the EU, 7.6 % in the rest of Europe, etc.

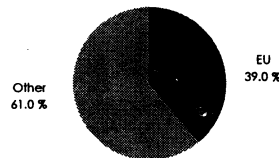
The middle section shows how the EU-built deliveries are distributed around the world, e.g. of the 336 deliveries of aircraft built in the EU, 23.5 % of them were registered within the EU, 11.3 % were registered in the rest of Europe, etc.

The righthand section shows the proportion of the deliveries in each area of aircraft that was built in the EU, e.g. in 1995 EU-built aircraft deliveries accounted for 44.7 % of the world's total deliveries. Of the EU total deliveries, 65.3 % were of EU origin.

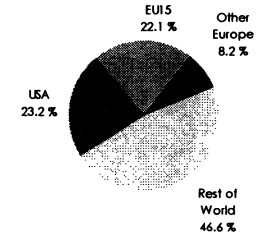
These principles apply to all three breakdown categories: by units, by seats, by value.



EU-BUILT SHARE OF WORLD DELIVERIES



DISTRIBUTION OF EU-BUILT AIRCRAFT BY GEOGRAPHICAL AREA



Source: Aerospatiale

TABLE 2.11

## CIVIL TRANSPORT AIRCRAFT ORDERS IN BACKLOG AT YEAR-END

	All Aircraft Categories														
	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of backlog in each geographical area				
	Breakdown by Units														
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	25.0 %	2.6 %	46.8 %	25.6 %	1,698	29.8 %	4.9 %	33.7 %	31.6 %	591	41.4 %	65.9 %	25.0 %	43.1 %	34.8 %
1987	26.6 %	4.9 %	42.0 %	26.4 %	1,914	27.7 %	6.2 %	34.9 %	31.3 %	694	37.6 %	45.7 %	30.1 %	42.9 %	36.3 %
1988	32.6 %	3.1 %	37.8 %	26.5 %	2,495	34.8 %	3.4 %	26.4 %	35.4 %	830	35.5 %	35.9 %	23.2 %	44.5 %	33.3 %
1989	31.2 %	2.9 %	42.7 %	23.2 %	3,391	33.1 %	4.2 %	33.8 %	28.8 %	1,274	39.9 %	54.5 %	29.8 %	46.6 %	37.6 %
1990	28.4 %	4.6 %	41.1 %	25.8 %	3,531	31.1 %	9.3 %	31.1 %	28.5 %	1,404	43.6 %	79.3 %	30.1 %	43.9 %	39.8 %
1991	22.3 %	4.6 %	42.3 %	30.8 %	3,065	27.0 %	9.9 %	29.0 %	34.0 %	1,172	46.4 %	82.3 %	26.2 %	42.2 %	38.2 %
1992	18.2 %	5.4 %	44.0 %	32.4 %	2,583	24.1 %	9.4 %	32.8 %	33.6 %	1,081	55.5 %	72.9 %	31.3 %	43.4 %	41.9 %
1993	17.2 %	5.0 %	45.2 %	32.6 %	2,276	24.1 %	9.6 %	33.2 %	33.1 %	972	59.7 %	81.6 %	31.4 %	43.5 %	42.7 %
1994	17.4 %	4.4 %	45.5 %	32.6 %	2,233	21.6 %	8.2 %	32.0 %	38.2 %	1,022	56.8 %	84.8 %	32.2 %	53.5 %	45.8 %
1995	19.0 %	3.8 %	40.5 %	36.7 %	2,524	23.0 %	7.5 %	29.8 %	39.8 %	1,041	49.8 %	81.3 %	30.3 %	44.7 %	41.2 %
	Breakdown by Seats														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	27.7 %	2.3 %	44.7 %	25.3 %	219	35.4 %	5.8 %	33.8 %	25.0 %	54	31.6 %	62.9 %	18.8 %	24.5 %	24.8 %
1987	29.2 %	4.9 %	38.5 %	27.3 %	263	31.9 %	7.0 %	36.3 %	24.8 %	68	28.2 %	36.7 %	24.3 %	23.4 %	25.8 %
1988	33.3 %	3.2 %	35.2 %	28.3 %	349	35.3 %	3.3 %	29.6 %	31.8 %	82	24.9 %	24.2 %	19.7 %	26.3 %	23.5 %
1989	31.7 %	2.4 %	38.6 %	27.4 %	500	37.0 %	2.7 %	29.0 %	31.3 %	153	35.7 %	34.4 %	22.9 %	34.9 %	30.5 %
1990	28.4 %	3.1 %	36.5 %	32.0 %	565	35.6 %	6.2 %	27.2 %	31.0 %	182	40.3 %	64.4 %	23.9 %	31.2 %	32.1 %
1991	23.7 %	2.5 %	36.9 %	38.9 %	516	30.3 %	5.6 %	28.8 %	35.4 %	167	41.3 %	72.4 %	25.3 %	31.0 %	32.4 %
1992	20.6 %	2.6 %	38.6 %	38.2 %	447	28.1 %	4.9 %	33.1 %	33.9 %	159	48.5 %	67.9 %	30.4 %	31.4 %	35.5 %
1993	20.0 %	2.2 %	40.0 %	37.8 %	395	28.5 %	5.0 %	32.7 %	33.8 %	145	52.6 %	83.9 %	30.1 %	32.9 %	36.8 %
1994	19.3 %	2.2 %	41.3 %	37.2 %	363	24.9 %	4.8 %	32.4 %	37.9 %	142	50.2 %	86.9 %	30.6 %	39.9 %	39.1 %
1995	19.9 %	2.0 %	35.3 %	42.8 %	401	26.0 %	4.4 %	29.2 %	40.4 %	139	45.1 %	76.3 %	28.6 %	32.7 %	34.6 %
	Breakdown by Current Value														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	27.9 %	2.2 %	44.1 %	25.7 %	47,449	35.6 %	6.0 %	34.6 %	23.7 %	11,077	29.8 %	62.5 %	18.3 %	21.5 %	23.3 %
1987	29.4 %	4.9 %	37.7 %	27.9 %	49,610	32.4 %	7.2 %	36.4 %	24.0 %	11,981	26.6 %	35.1 %	23.3 %	20.8 %	24.1 %
1988	33.2 %	3.3 %	34.3 %	29.2 %	65,323	35.2 %	3.4 %	30.2 %	31.1 %	14,247	23.2 %	22.8 %	19.2 %	23.2 %	21.8 %
1989	31.6 %	2.3 %	37.7 %	28.4 %	130,215	37.7 %	2.5 %	28.8 %	31.1 %	38,810	35.5 %	31.4 %	22.8 %	32.7 %	29.8 %
1990	28.3 %	3.0 %	35.6 %	33.2 %	135,896	36.1 %	6.0 %	26.8 %	31.2 %	42,351	39.8 %	62.2 %	23.5 %	29.3 %	31.2 %
1991	23.9 %	2.3 %	35.8 %	38.0 %	186,698	30.8 %	5.3 %	28.4 %	35.6 %	43,014	40.6 %	71.6 %	25.0 %	29.4 %	31.5 %
1992	20.9 %	2.3 %	37.4 %	39.4 %	118,761	28.7 %	4.5 %	32.5 %	34.3 %	41,185	47.6 %	67.5 %	30.2 %	30.2 %	34.7 %
1993	20.2 %	1.9 %	38.6 %	39.2 %	121,658	28.9 %	4.5 %	31.9 %	34.7 %	43,936	51.5 %	83.7 %	29.9 %	32.0 %	36.1 %
1994	19.4 %	1.9 %	39.8 %	38.9 %	111,873	24.9 %	4.4 %	31.7 %	39.1 %	42,933	49.1 %	86.6 %	30.6 %	38.6 %	38.4 %
1995	19.8 %	1.8 %	33.6 %	44.8 %	112,508	26.0 %	3.9 %	28.6 %	41.5 %	37,975	44.3 %	74.9 %	28.7 %	31.3 %	33.8 %

Source: Aérospatiale

**CHART 2.9 All aircraft types backlog 1995 Comparisons by value**

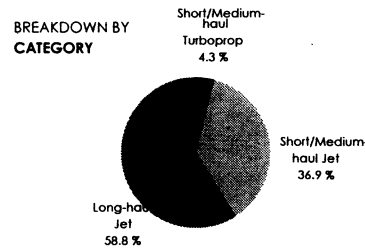
(opposite page)

The lefthand section shows the distribution of all order backlog by area with no regard to origin. In 1995 the world's order backlog amounted to 2,524 units. 19.0 % of them were to be delivered to the EU, 3.8 % to the rest of Europe, etc.

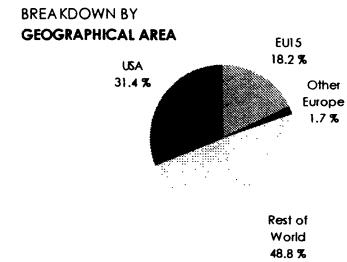
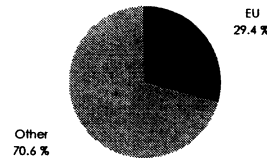
The middle section shows how the order backlog of EU-built aircraft is distributed around the world, e.g. of the backlog of 1,041 aircraft of EU origin in 1995, 23.0 % of them were to be delivered to the EU, 7.5 % to the rest of Europe, etc.

The righthand section shows the proportion of the EU origin order backlog in each area, e.g. in 1995 EU-built aircraft order backlog accounted for 41.2 % of the world's total order backlog. Of the EU total order backlog, 49.8 % was of EU origin.

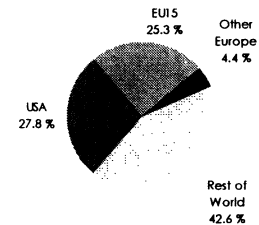
These principles apply to all three breakdown categories: by units, by seats, by value.



EU-BUILT SHARE OF WORLD BACKLOG



DISTRIBUTION OF EU-BUILT AIRCRAFT BY GEOGRAPHICAL AREA



Source: Aerospatiale

TABLE 2.12

## CIVIL TRANSPORT AIRCRAFT IN SERVICE AT YEAR-END

## Category: Short/Medium-haul Turboprop

	Distribution of aircraft by geographical area				Units	Distribution of EU-built aircraft by geographical area				Units	EU-built share of fleet in each geographical area				
	EU15	Other Europe	USA	Rest of World		EU15	Other Europe	USA	Rest of World		EU15	Other Europe	USA	Rest of World	World
	<i>Breakdown by Units</i>														
1986	9.2 %	3.7 %	26.1 %	61.0 %	8,743	26.8 %	2.7 %	23.6 %	46.9 %	1,860	61.8 %	15.4 %	19.2 %	16.4 %	21.3 %
1987	9.6 %	3.6 %	26.8 %	60.0 %	9,038	26.4 %	2.7 %	26.2 %	44.6 %	2,016	61.5 %	16.8 %	21.9 %	16.6 %	22.3 %
1988	10.1 %	3.5 %	27.0 %	59.3 %	9,465	26.5 %	3.1 %	27.3 %	43.1 %	2,230	61.6 %	20.6 %	23.8 %	17.1 %	23.6 %
1989	10.6 %	3.3 %	27.5 %	58.6 %	9,842	27.3 %	2.8 %	28.1 %	41.8 %	2,400	62.9 %	20.2 %	25.0 %	17.4 %	24.4 %
1990	10.9 %	3.2 %	28.5 %	57.3 %	10,160	27.7 %	2.7 %	30.2 %	39.5 %	2,585	64.3 %	21.7 %	26.9 %	17.5 %	25.4 %
1991	11.4 %	3.4 %	28.9 %	56.4 %	10,451	28.4 %	2.8 %	31.0 %	37.8 %	2,737	65.3 %	21.8 %	28.1 %	17.6 %	26.2 %
1992	11.1 %	15.1 %	28.8 %	45.0 %	10,650	27.8 %	2.9 %	31.6 %	37.7 %	2,819	66.2 %	5.0 %	29.0 %	22.2 %	26.5 %
1993	10.9 %	15.2 %	29.2 %	44.7 %	10,800	27.7 %	2.9 %	31.5 %	37.9 %	2,890	68.2 %	5.1 %	28.9 %	22.7 %	26.8 %
1994	10.8 %	15.1 %	29.3 %	44.7 %	10,929	27.2 %	3.6 %	31.0 %	38.2 %	2,970	68.4 %	6.4 %	28.7 %	23.2 %	27.2 %
1995	10.6 %	14.7 %	29.4 %	45.3 %	11,178	25.9 %	3.9 %	31.0 %	39.2 %	3,110	68.2 %	7.3 %	29.3 %	24.1 %	27.8 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	7.3 %	3.7 %	24.1 %	65.0 %	488	27.1 %	2.8 %	20.4 %	49.7 %	69	52.5 %	10.7 %	11.9 %	10.8 %	14.1 %
1987	7.6 %	3.6 %	24.5 %	64.3 %	497	27.4 %	2.8 %	22.2 %	47.6 %	73	53.1 %	11.3 %	13.3 %	10.8 %	14.6 %
1988	8.1 %	3.5 %	24.6 %	63.9 %	511	27.8 %	3.3 %	23.2 %	45.8 %	80	53.7 %	14.7 %	14.8 %	11.2 %	15.6 %
1989	8.6 %	3.3 %	24.8 %	63.3 %	524	29.0 %	2.8 %	24.2 %	44.0 %	86	55.6 %	13.9 %	16.0 %	11.4 %	16.4 %
1990	8.9 %	3.2 %	25.6 %	62.3 %	534	30.0 %	2.9 %	26.2 %	40.9 %	92	58.0 %	15.5 %	17.7 %	11.4 %	17.3 %
1991	9.4 %	3.4 %	26.0 %	61.2 %	546	31.1 %	3.2 %	27.1 %	38.6 %	99	59.8 %	17.0 %	18.8 %	11.4 %	18.1 %
1992	9.3 %	17.8 %	25.8 %	47.1 %	554	30.2 %	3.4 %	27.9 %	38.5 %	102	59.9 %	3.5 %	19.9 %	15.1 %	18.4 %
1993	9.1 %	18.0 %	26.0 %	46.9 %	559	30.0 %	3.3 %	28.2 %	38.5 %	105	61.8 %	3.4 %	20.5 %	15.5 %	18.8 %
1994	9.1 %	18.1 %	26.2 %	46.7 %	563	29.0 %	4.1 %	28.1 %	38.9 %	109	61.6 %	4.4 %	20.8 %	16.1 %	19.4 %
1995	9.1 %	17.6 %	26.1 %	47.2 %	572	27.7 %	4.4 %	27.8 %	40.1 %	115	61.4 %	5.0 %	21.4 %	17.1 %	20.1 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	8.4 %	3.7 %	31.4 %	56.4 %	13,077	19.7 %	3.2 %	37.2 %	39.9 %	3,316	59.3 %	22.0 %	30.0 %	17.9 %	25.4 %
1987	9.6 %	3.4 %	35.1 %	51.9 %	11,877	20.3 %	3.4 %	40.7 %	35.5 %	3,361	60.2 %	28.1 %	32.9 %	19.3 %	28.3 %
1988	11.5 %	3.3 %	36.4 %	48.9 %	12,979	23.1 %	4.1 %	38.5 %	34.3 %	4,142	64.2 %	39.7 %	33.8 %	22.4 %	31.9 %
1989	13.3 %	2.7 %	37.6 %	46.4 %	16,254	26.7 %	3.6 %	36.7 %	33.0 %	5,541	68.4 %	45.2 %	33.3 %	24.2 %	34.1 %
1990	14.7 %	2.6 %	39.8 %	43.0 %	16,427	28.7 %	3.8 %	37.0 %	30.5 %	6,093	72.5 %	54.6 %	34.5 %	26.3 %	37.1 %
1991	16.5 %	2.8 %	40.9 %	39.8 %	19,509	31.4 %	4.4 %	38.1 %	26.1 %	7,621	74.2 %	62.0 %	36.4 %	25.6 %	39.1 %
1992	16.0 %	9.0 %	41.6 %	33.4 %	20,624	30.6 %	5.9 %	37.4 %	26.1 %	8,257	76.2 %	26.5 %	36.0 %	31.3 %	40.0 %
1993	16.4 %	8.5 %	43.1 %	32.0 %	24,177	31.1 %	5.2 %	36.1 %	27.5 %	10,090	79.2 %	25.9 %	34.9 %	35.9 %	41.7 %
1994	16.0 %	8.1 %	44.4 %	31.5 %	24,722	29.6 %	6.6 %	35.7 %	28.1 %	10,614	79.2 %	35.0 %	34.6 %	38.3 %	42.9 %
1995	15.3 %	7.6 %	44.7 %	32.4 %	23,161	27.4 %	7.2 %	35.0 %	30.3 %	10,308	79.9 %	42.2 %	34.9 %	41.6 %	44.5 %

Source: Aerospatiale

TABLE 2.13

## CIVIL TRANSPORT AIRCRAFT IN SERVICE AT YEAR-END

## Category: Short/Medium-haul Jet

	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of fleet in each geographical area				
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	12.5 %	3.5 %	37.2 %	46.8 %	8,103	33.5 %	5.1 %	23.5 %	38.0 %	869	28.8 %	15.5 %	6.8 %	8.7 %	10.7 %
1987	12.9 %	3.3 %	37.9 %	45.9 %	8,464	33.9 %	4.2 %	22.9 %	39.0 %	896	27.9 %	13.4 %	6.4 %	9.0 %	10.6 %
1988	13.6 %	3.3 %	37.5 %	45.5 %	8,961	34.4 %	4.5 %	22.4 %	38.7 %	949	26.7 %	14.3 %	6.3 %	9.0 %	10.6 %
1989	14.1 %	3.4 %	37.6 %	44.8 %	9,438	35.0 %	5.0 %	21.6 %	38.4 %	1,067	28.0 %	16.3 %	6.5 %	9.7 %	11.3 %
1990	14.7 %	3.7 %	37.8 %	43.8 %	9,863	35.2 %	5.2 %	20.5 %	39.0 %	1,169	28.4 %	16.8 %	6.4 %	10.6 %	11.9 %
1991	15.5 %	4.3 %	35.8 %	44.4 %	10,225	34.1 %	4.8 %	17.2 %	44.0 %	1,317	28.3 %	14.3 %	6.2 %	12.8 %	12.9 %
1992	15.2 %	20.3 %	35.4 %	29.2 %	10,685	30.8 %	4.9 %	19.7 %	44.6 %	1,463	27.8 %	3.3 %	7.6 %	20.9 %	13.7 %
1993	14.8 %	20.8 %	34.7 %	29.6 %	11,095	30.0 %	4.8 %	19.4 %	45.8 %	1,619	29.5 %	3.4 %	8.1 %	22.6 %	14.6 %
1994	14.6 %	20.5 %	35.0 %	29.8 %	11,461	28.6 %	5.0 %	20.9 %	45.5 %	1,727	29.5 %	3.7 %	9.0 %	23.0 %	15.1 %
1995	14.9 %	20.2 %	34.9 %	30.1 %	11,752	28.6 %	5.8 %	20.5 %	45.1 %	1,843	30.2 %	4.5 %	9.2 %	23.5 %	15.7 %

	Breakdown by Units					Breakdown by Seats					Breakdown by Current Value				
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	12.6 %	3.0 %	38.3 %	46.1 %	1,089	33.1 %	4.5 %	20.9 %	41.5 %	138	33.2 %	19.0 %	6.9 %	11.4 %	12.6 %
1987	12.9 %	2.9 %	38.6 %	45.7 %	1,154	33.6 %	4.0 %	20.4 %	42.0 %	142	32.1 %	17.1 %	6.5 %	11.3 %	12.3 %
1988	13.6 %	2.9 %	37.8 %	45.7 %	1,241	33.7 %	4.1 %	20.7 %	41.5 %	151	30.4 %	17.4 %	6.7 %	11.1 %	12.2 %
1989	13.9 %	3.0 %	37.6 %	45.6 %	1,322	33.6 %	4.4 %	20.7 %	41.3 %	170	31.0 %	19.3 %	7.1 %	11.6 %	12.8 %
1990	14.4 %	3.3 %	37.7 %	44.7 %	1,398	33.7 %	4.6 %	20.0 %	41.7 %	186	31.1 %	18.5 %	7.1 %	12.4 %	13.3 %
1991	15.2 %	3.6 %	35.6 %	45.6 %	1,462	32.8 %	4.2 %	17.0 %	45.9 %	209	30.9 %	16.8 %	6.8 %	14.4 %	14.3 %
1992	14.9 %	20.1 %	35.1 %	30.0 %	1,542	30.7 %	4.4 %	18.7 %	46.2 %	231	31.0 %	3.3 %	8.0 %	23.1 %	15.0 %
1993	14.3 %	21.3 %	34.4 %	30.1 %	1,604	28.9 %	4.2 %	18.9 %	48.0 %	253	31.9 %	3.1 %	8.7 %	25.2 %	15.8 %
1994	14.1 %	21.4 %	34.4 %	30.1 %	1,656	27.3 %	4.5 %	20.6 %	47.6 %	268	31.4 %	3.4 %	9.7 %	25.6 %	16.2 %
1995	14.3 %	21.1 %	34.2 %	30.3 %	1,698	27.1 %	5.4 %	19.8 %	47.7 %	285	31.7 %	4.3 %	9.7 %	26.4 %	16.8 %

	Breakdown by Current Value					Breakdown by Current Value					Breakdown by Current Value				
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	12.1 %	2.9 %	32.1 %	52.8 %	74,873	24.0 %	5.9 %	24.2 %	46.0 %	11,127	29.4 %	29.9 %	11.2 %	12.9 %	14.9 %
1987	13.2 %	2.8 %	33.7 %	50.3 %	71,783	26.4 %	5.1 %	23.9 %	44.7 %	9,721	27.1 %	24.8 %	9.6 %	12.0 %	13.5 %
1988	14.8 %	3.0 %	33.1 %	49.2 %	81,118	27.7 %	5.7 %	25.6 %	41.0 %	10,704	24.8 %	25.1 %	10.2 %	11.0 %	13.2 %
1989	16.0 %	3.0 %	32.6 %	48.4 %	101,622	27.2 %	5.3 %	26.6 %	41.0 %	15,238	25.6 %	25.9 %	12.2 %	12.7 %	15.0 %
1990	17.4 %	3.8 %	33.1 %	45.7 %	103,680	28.4 %	5.1 %	24.9 %	41.6 %	16,632	26.1 %	21.6 %	12.1 %	14.6 %	16.0 %
1991	19.9 %	3.8 %	31.5 %	44.8 %	124,398	30.4 %	4.0 %	21.3 %	44.3 %	22,846	28.1 %	19.4 %	12.4 %	18.1 %	18.4 %
1992	19.4 %	19.2 %	31.5 %	30.0 %	137,205	27.6 %	4.4 %	23.4 %	44.5 %	27,004	28.0 %	4.5 %	14.7 %	29.2 %	19.7 %
1993	18.2 %	20.3 %	30.9 %	30.5 %	165,245	25.0 %	4.4 %	24.1 %	46.6 %	34,584	28.6 %	4.5 %	16.3 %	32.0 %	20.9 %
1994	18.2 %	19.9 %	31.3 %	30.6 %	168,762	24.5 %	4.4 %	24.6 %	46.5 %	37,695	30.0 %	4.9 %	17.6 %	34.0 %	22.3 %
1995	18.9 %	19.2 %	31.7 %	30.2 %	155,130	25.3 %	5.7 %	24.0 %	45.0 %	37,174	32.1 %	7.2 %	18.1 %	35.7 %	24.0 %

Source: Aerospatiale

TABLE 2.14

## CIVIL TRANSPORT AIRCRAFT IN SERVICE AT YEAR-END

## Category: Long-haul Jet

	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of fleet in each geographical area				
	<i>Breakdown by Units</i>														
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	19.2 %	3.0 %	30.6 %	47.2 %	2,094	80.0 %	8.3 %	0.0 %	11.7 %	60	11.9 %	8.1 %	0.0 %	0.7 %	2.9 %
1987	18.2 %	3.1 %	31.7 %	46.9 %	2,150	61.5 %	6.4 %	7.7 %	24.4 %	78	12.2 %	7.5 %	0.9 %	1.9 %	3.6 %
1988	17.6 %	2.9 %	32.5 %	47.0 %	2,204	51.5 %	7.9 %	11.9 %	28.7 %	101	13.4 %	12.5 %	1.7 %	2.8 %	4.6 %
1989	19.1 %	2.7 %	31.9 %	46.3 %	2,269	52.0 %	8.1 %	9.8 %	30.1 %	123	14.7 %	16.4 %	1.7 %	3.5 %	5.4 %
1990	19.3 %	3.0 %	31.6 %	46.1 %	2,335	53.2 %	7.8 %	9.9 %	29.1 %	141	16.6 %	15.5 %	1.9 %	3.8 %	6.0 %
1991	19.5 %	3.0 %	30.9 %	46.6 %	2,436	50.3 %	9.6 %	8.9 %	31.2 %	157	16.6 %	20.8 %	1.9 %	4.3 %	6.4 %
1992	19.8 %	7.1 %	30.4 %	42.8 %	2,538	44.9 %	12.9 %	7.9 %	34.3 %	178	15.9 %	12.8 %	1.8 %	5.6 %	7.0 %
1993	19.6 %	7.0 %	30.6 %	42.8 %	2,677	45.5 %	11.8 %	10.0 %	32.7 %	220	19.0 %	13.8 %	2.7 %	6.3 %	8.2 %
1994	19.5 %	7.0 %	30.4 %	43.1 %	2,780	48.4 %	11.1 %	4.0 %	36.5 %	252	22.5 %	14.4 %	1.2 %	7.7 %	9.1 %
1995	20.1 %	6.6 %	29.7 %	43.7 %	2,882	45.3 %	9.3 %	0.0 %	45.3 %	300	23.4 %	14.8 %	0.0 %	10.8 %	10.4 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	20.0 %	2.3 %	32.3 %	45.4 %	517	71.7 %	11.8 %	0.0 %	16.5 %	8	5.3 %	7.5 %	0.0 %	0.5 %	1.5 %
1987	19.2 %	2.5 %	33.0 %	45.3 %	533	50.9 %	8.2 %	9.8 %	31.1 %	11	5.5 %	6.8 %	0.6 %	1.4 %	2.1 %
1988	18.6 %	2.3 %	33.6 %	45.4 %	551	41.7 %	9.5 %	14.3 %	34.5 %	15	6.2 %	11.3 %	1.2 %	2.1 %	2.7 %
1989	19.9 %	2.2 %	33.0 %	45.0 %	574	44.4 %	9.4 %	11.3 %	34.9 %	19	7.4 %	14.5 %	1.1 %	2.6 %	3.3 %
1990	20.3 %	2.3 %	32.3 %	45.1 %	603	46.8 %	8.9 %	11.3 %	33.0 %	22	8.6 %	14.1 %	1.3 %	2.7 %	3.7 %
1991	20.4 %	2.3 %	31.3 %	46.0 %	637	44.3 %	10.7 %	10.0 %	35.0 %	25	8.6 %	18.5 %	1.3 %	3.0 %	4.0 %
1992	20.5 %	4.3 %	30.5 %	44.7 %	672	39.3 %	14.2 %	8.7 %	37.8 %	29	8.3 %	14.3 %	1.2 %	3.7 %	4.3 %
1993	20.4 %	4.3 %	30.3 %	45.0 %	714	42.9 %	12.7 %	10.4 %	34.0 %	38	11.3 %	15.9 %	1.8 %	4.0 %	5.4 %
1994	20.2 %	4.2 %	30.0 %	46.6 %	746	47.7 %	11.2 %	3.8 %	37.2 %	47	15.0 %	16.9 %	0.8 %	5.2 %	6.4 %
1995	20.5 %	4.0 %	29.4 %	46.1 %	781	42.3 %	8.6 %	0.0 %	49.1 %	62	16.4 %	17.0 %	0.0 %	8.4 %	7.9 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	20.8 %	2.9 %	24.4 %	51.9 %	40,447	20.9 %	30.8 %	0.0 %	48.2 %	642	1.6 %	16.7 %	0.0 %	1.5 %	1.6 %
1987	20.3 %	2.9 %	24.6 %	52.2 %	35,592	13.8 %	12.7 %	18.2 %	55.3 %	1,263	2.4 %	15.5 %	2.6 %	3.8 %	3.5 %
1988	18.9 %	2.8 %	25.5 %	52.9 %	36,880	15.2 %	13.0 %	21.9 %	49.9 %	2,038	4.5 %	25.9 %	4.8 %	5.2 %	5.5 %
1989	22.4 %	2.5 %	22.8 %	52.4 %	44,240	29.0 %	11.8 %	14.3 %	44.8 %	3,169	9.3 %	33.9 %	4.5 %	6.1 %	7.2 %
1990	25.0 %	2.2 %	20.8 %	52.0 %	46,158	35.6 %	10.3 %	13.7 %	40.4 %	3,430	10.6 %	35.2 %	4.9 %	5.8 %	7.4 %
1991	24.6 %	3.1 %	19.8 %	52.5 %	57,585	33.7 %	12.4 %	10.9 %	43.0 %	4,180	9.9 %	29.4 %	4.0 %	6.0 %	7.3 %
1992	23.0 %	4.8 %	21.0 %	51.2 %	66,346	27.9 %	18.4 %	8.4 %	45.3 %	4,891	9.0 %	28.2 %	2.9 %	6.5 %	7.4 %
1993	22.8 %	4.4 %	21.5 %	51.3 %	85,379	37.4 %	14.6 %	11.1 %	36.9 %	8,149	15.7 %	31.4 %	4.9 %	6.9 %	9.5 %
1994	24.2 %	4.2 %	18.8 %	52.8 %	91,362	45.3 %	11.2 %	4.9 %	38.6 %	10,762	22.0 %	31.5 %	3.1 %	8.6 %	11.8 %
1995	23.9 %	3.5 %	17.4 %	55.2 %	89,822	38.1 %	7.5 %	0.0 %	54.4 %	13,769	24.4 %	32.6 %	0.0 %	15.1 %	15.3 %

Source: Aerospatiale

TABLE 2.15

## CIVIL TRANSPORT AIRCRAFT ANNUAL DELIVERIES

## Category: Short/Medium-haul Turboprop

	Distribution of aircraft by geographical area				Distribution of EU-built aircraft by geographical area					EU-built share of deliveries in each geographical area					
	Breakdown by Units														
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	12.8%	3.0%	53.6%	30.6%	366	20.3%	4.6%	47.7%	27.4%	197	85.1%	81.8%	48.0%	48.2%	53.8%
1987	18.0%	1.7%	53.4%	27.0%	356	23.0%	2.6%	54.6%	19.9%	196	70.3%	83.3%	56.3%	40.6%	55.1%
1988	18.5%	3.0%	43.0%	35.6%	433	28.4%	6.6%	33.0%	32.0%	197	70.0%	100.0%	34.9%	40.9%	45.5%
1989	17.2%	2.2%	45.4%	35.3%	465	25.7%	4.1%	32.9%	37.4%	222	71.3%	90.0%	34.6%	50.6%	47.7%
1990	19.0%	3.2%	50.7%	27.1%	495	25.1%	6.0%	44.6%	24.3%	251	67.0%	93.8%	44.6%	45.5%	50.7%
1991	24.4%	2.6%	49.7%	23.3%	455	34.3%	4.5%	45.0%	16.1%	242	74.8%	91.7%	48.2%	36.8%	53.2%
1992	15.3%	6.4%	53.1%	25.3%	340	25.1%	9.1%	41.7%	24.0%	175	80.0%	69.6%	38.2%	46.2%	48.6%
1993	20.7%	1.7%	49.0%	25.7%	300	33.8%	4.4%	28.8%	33.1%	160	87.1%	50.0%	31.3%	68.8%	53.3%
1994	12.0%	9.5%	54.1%	24.4%	283	20.7%	15.0%	33.6%	30.7%	140	85.3%	77.8%	30.7%	62.3%	49.5%
1995	9.3%	8.2%	50.0%	32.5%	268	15.7%	11.8%	35.9%	36.6%	153	96.0%	81.8%	41.0%	64.4%	57.1%
	Breakdown by Seats														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	12.2%	3.2%	50.4%	34.2%	13	22.7%	5.7%	47.1%	24.5%	6	87.3%	84.9%	43.7%	33.5%	46.8%
1987	18.4%	1.5%	51.0%	29.1%	12	27.2%	2.6%	50.3%	19.9%	6	69.5%	83.4%	46.3%	32.1%	47.0%
1988	21.2%	2.9%	38.8%	37.1%	16	33.1%	6.3%	28.6%	32.0%	7	71.5%	100.0%	33.7%	39.5%	45.8%
1989	20.9%	1.8%	39.9%	37.3%	17	34.4%	3.7%	28.6%	33.3%	8	74.8%	90.5%	32.5%	40.6%	45.4%
1990	22.6%	3.5%	43.4%	30.5%	19	33.9%	6.6%	35.2%	24.3%	9	72.5%	91.6%	39.3%	38.6%	48.4%
1991	27.1%	3.4%	45.0%	24.5%	19	41.8%	6.3%	37.6%	14.3%	9	76.5%	91.5%	41.3%	29.0%	49.5%
1992	18.2%	8.5%	46.9%	26.5%	15	29.6%	11.9%	33.1%	25.4%	7	81.4%	69.8%	35.4%	48.0%	50.0%
1993	21.9%	5.0%	49.5%	23.7%	12	34.2%	4.3%	28.8%	32.6%	7	87.6%	48.6%	32.6%	77.0%	56.0%
1994	14.2%	9.8%	53.4%	22.6%	12	22.3%	14.9%	34.7%	28.1%	6	84.1%	81.3%	34.8%	66.8%	53.6%
1995	12.3%	9.0%	44.4%	34.3%	11	19.7%	12.8%	29.2%	38.3%	6	96.2%	85.2%	39.6%	67.4%	60.2%
	Breakdown by Current Value														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	11.1%	2.9%	51.0%	35.0%	2,063	22.7%	5.7%	47.1%	24.5%	884	87.3%	84.9%	39.5%	30.0%	42.8%
1987	17.8%	1.4%	52.6%	28.2%	1,794	27.2%	2.6%	50.3%	19.9%	786	67.0%	83.4%	41.8%	30.9%	43.8%
1988	20.7%	2.8%	39.6%	36.9%	2,355	33.1%	6.3%	28.6%	32.0%	1,035	70.3%	100.0%	31.8%	38.0%	44.0%
1989	20.6%	1.8%	40.7%	36.9%	3,556	34.4%	3.7%	28.6%	33.3%	1,563	73.3%	90.5%	30.9%	39.7%	44.0%
1990	21.9%	3.4%	44.1%	30.6%	3,643	33.9%	6.6%	35.2%	24.3%	1,711	72.5%	91.6%	37.5%	37.4%	47.0%
1991	26.3%	3.3%	45.9%	24.5%	4,074	41.8%	6.3%	37.6%	14.3%	1,944	75.8%	91.5%	39.1%	27.9%	47.7%
1992	17.6%	8.2%	47.6%	26.5%	3,222	29.6%	11.9%	33.1%	25.4%	1,561	81.4%	69.8%	33.7%	46.4%	48.5%
1993	21.1%	4.8%	51.1%	22.9%	3,002	34.2%	4.3%	28.8%	32.6%	1,624	87.6%	48.6%	30.5%	77.0%	54.1%
1994	13.9%	9.5%	54.9%	21.8%	2,927	22.3%	14.9%	34.7%	28.1%	1,512	82.7%	81.3%	32.7%	66.8%	51.7%
1995	12.0%	8.8%	45.5%	33.8%	2,411	19.7%	12.8%	29.2%	38.3%	1,412	96.2%	85.2%	37.6%	66.5%	58.6%

Source: Aerospatiale

TABLE 2.16

## CIVIL TRANSPORT AIRCRAFT ANNUAL DELIVERIES

## Category: Short/Medium-haul Jet

	Distribution of aircraft by geographical area				Units	Distribution of EU-built aircraft by geographical area				Units	EU-built share of deliveries in each geographical area				
	EU15	Other Europe	USA	Rest of World		EU15	Other Europe	USA	Rest of World		EU15	Other Europe	USA	Rest of World	World
	<i>Breakdown by Units</i>														
1986	14.4 %	4.7 %	43.0 %	37.8 %	423	11.5 %	9.6 %	50.0 %	28.8 %	52	9.8 %	25.0 %	14.3 %	9.4 %	12.3 %
1987	18.4 %	2.1 %	49.8 %	29.8 %	430	38.9 %	0.0 %	33.3 %	27.8 %	36	17.7 %	0.0 %	5.6 %	7.8 %	8.4 %
1988	23.2 %	5.3 %	39.5 %	32.0 %	544	38.8 %	14.9 %	26.9 %	19.4 %	67	20.6 %	34.5 %	8.4 %	7.5 %	12.3 %
1989	30.7 %	3.9 %	36.2 %	29.2 %	541	33.8 %	4.1 %	26.2 %	35.9 %	145	29.5 %	28.6 %	19.4 %	32.9 %	26.8 %
1990	30.7 %	3.8 %	37.7 %	27.9 %	613	48.0 %	3.2 %	18.4 %	30.4 %	125	31.9 %	17.4 %	10.0 %	22.2 %	20.4 %
1991	38.4 %	2.8 %	31.6 %	27.1 %	737	45.0 %	1.8 %	22.7 %	30.5 %	220	35.0 %	19.0 %	21.5 %	33.5 %	29.9 %
1992	24.4 %	8.6 %	34.8 %	32.2 %	696	18.3 %	3.2 %	35.5 %	43.0 %	186	20.0 %	10.0 %	27.3 %	35.7 %	26.7 %
1993	15.6 %	18.4 %	34.0 %	32.0 %	550	13.1 %	7.7 %	38.1 %	41.1 %	168	25.6 %	12.9 %	34.2 %	39.2 %	30.5 %
1994	18.3 %	8.4 %	40.5 %	32.8 %	427	22.3 %	4.1 %	32.4 %	41.2 %	148	42.3 %	16.7 %	27.7 %	43.6 %	34.7 %
1995	21.7 %	9.8 %	43.4 %	25.1 %	346	34.6 %	15.0 %	24.8 %	25.6 %	133	61.3 %	58.8 %	22.0 %	39.1 %	38.4 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	12.3 %	4.0 %	36.3 %	47.4 %	71	14.4 %	11.2 %	37.9 %	36.5 %	8	12.6 %	30.5 %	11.3 %	8.3 %	10.8 %
1987	16.4 %	1.8 %	42.6 %	39.2 %	71	51.7 %	0.0 %	21.7 %	26.6 %	5	23.6 %	0.0 %	3.8 %	5.1 %	7.5 %
1988	19.7 %	4.0 %	35.1 %	41.1 %	92	34.1 %	9.6 %	37.2 %	19.1 %	11	20.6 %	28.2 %	12.6 %	5.5 %	11.9 %
1989	25.9 %	3.7 %	32.9 %	37.5 %	89	29.5 %	4.2 %	29.1 %	37.2 %	22	27.6 %	27.6 %	21.5 %	24.0 %	24.2 %
1990	26.5 %	3.4 %	34.9 %	35.2 %	99	43.9 %	3.1 %	16.3 %	36.7 %	19	31.5 %	17.1 %	8.9 %	19.8 %	19.0 %
1991	33.9 %	3.0 %	31.6 %	31.5 %	112	41.2 %	1.6 %	22.3 %	35.0 %	32	35.0 %	14.8 %	20.3 %	32.1 %	28.8 %
1992	21.9 %	9.7 %	33.1 %	35.3 %	109	17.6 %	2.9 %	32.3 %	47.2 %	28	20.4 %	7.5 %	24.8 %	33.9 %	25.4 %
1993	13.3 %	21.8 %	32.0 %	32.9 %	84	11.9 %	5.9 %	36.4 %	45.8 %	24	25.6 %	7.7 %	32.5 %	39.7 %	28.5 %
1994	16.9 %	11.2 %	37.3 %	34.6 %	65	20.7 %	2.7 %	31.2 %	45.4 %	23	42.4 %	8.2 %	28.9 %	45.3 %	34.6 %
1995	17.1 %	12.8 %	46.2 %	23.9 %	50	27.8 %	14.8 %	31.0 %	26.4 %	19	62.4 %	44.5 %	25.8 %	42.5 %	38.4 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	12.4 %	4.0 %	36.4 %	47.3 %	15,115	14.4 %	11.2 %	37.9 %	36.5 %	1,641	12.6 %	30.5 %	11.3 %	8.4 %	10.9 %
1987	16.7 %	1.8 %	43.3 %	38.3 %	12,718	51.7 %	0.0 %	21.7 %	26.6 %	947	23.6 %	0.0 %	3.8 %	5.3 %	7.6 %
1988	20.0 %	4.1 %	35.6 %	40.3 %	16,117	34.1 %	9.6 %	37.2 %	19.1 %	1,951	20.6 %	28.2 %	12.6 %	5.7 %	12.1 %
1989	26.1 %	3.7 %	33.1 %	37.1 %	21,821	29.5 %	4.2 %	29.1 %	37.2 %	5,322	27.6 %	27.6 %	21.5 %	24.5 %	24.4 %
1990	26.5 %	3.4 %	34.9 %	35.1 %	22,130	43.9 %	3.1 %	16.3 %	36.7 %	4,209	31.5 %	17.1 %	8.9 %	19.9 %	19.0 %
1991	34.0 %	2.9 %	31.7 %	31.4 %	27,283	41.2 %	1.6 %	22.3 %	35.0 %	7,880	35.0 %	15.4 %	20.3 %	32.2 %	28.9 %
1992	22.0 %	9.4 %	33.2 %	35.4 %	26,440	17.6 %	2.9 %	32.3 %	47.2 %	6,738	20.5 %	7.8 %	24.8 %	33.9 %	25.5 %
1993	13.2 %	21.7 %	32.0 %	33.0 %	23,693	11.9 %	5.9 %	36.4 %	45.8 %	6,787	25.8 %	7.8 %	32.5 %	39.8 %	28.6 %
1994	17.0 %	10.7 %	37.5 %	34.8 %	18,222	20.7 %	2.7 %	31.2 %	45.4 %	6,351	42.6 %	8.6 %	29.1 %	45.4 %	34.9 %
1995	17.1 %	12.5 %	46.4 %	23.9 %	12,482	27.8 %	14.8 %	31.0 %	26.4 %	4,835	62.9 %	45.8 %	25.9 %	42.7 %	38.7 %

Source: Aerospatiale



TABLE 2.17

## CIVIL TRANSPORT AIRCRAFT ANNUAL DELIVERIES

## Category: Long-haul Jet

	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of deliveries in each geographical area				
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
	<i>Breakdown by Units</i>														
1986	15.1 %	4.1 %	34.2 %	46.6 %	73	0.0 %	30.0 %	0.0 %	70.0 %	10	0.0 %	100.0 %	0.0 %	20.6 %	13.7 %
1987	13.0 %	2.6 %	28.6 %	55.8 %	77	10.0 %	0.0 %	30.0 %	60.0 %	20	20.0 %	0.0 %	27.3 %	27.9 %	26.0 %
1988	12.5 %	3.1 %	39.6 %	44.8 %	96	17.4 %	13.0 %	26.1 %	43.5 %	23	33.3 %	100.0 %	15.8 %	23.3 %	24.0 %
1989	36.9 %	1.9 %	9.7 %	51.5 %	103	54.5 %	9.1 %	4.5 %	31.8 %	22	31.6 %	100.0 %	10.0 %	13.2 %	21.4 %
1990	33.8 %	1.4 %	13.7 %	51.1 %	139	44.4 %	5.6 %	16.7 %	33.3 %	18	17.0 %	50.0 %	15.8 %	8.5 %	12.9 %
1991	27.8 %	6.5 %	21.3 %	44.4 %	169	27.8 %	16.7 %	11.1 %	44.4 %	18	10.6 %	27.3 %	5.6 %	10.7 %	10.7 %
1992	19.7 %	8.8 %	27.5 %	44.0 %	193	16.7 %	37.5 %	4.2 %	41.7 %	24	10.5 %	52.9 %	1.9 %	11.8 %	12.4 %
1993	24.4 %	3.9 %	28.3 %	43.3 %	180	46.5 %	7.0 %	23.3 %	23.3 %	43	45.5 %	42.9 %	19.6 %	12.8 %	23.9 %
1994	30.8 %	3.1 %	13.1 %	53.1 %	130	48.6 %	2.9 %	14.3 %	34.3 %	35	42.5 %	25.0 %	29.4 %	17.4 %	26.9 %
1995	15.3 %	0.7 %	27.0 %	56.9 %	137	18.0 %	0.0 %	14.0 %	68.0 %	50	42.9 %	0.0 %	18.9 %	43.6 %	36.5 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	14.8 %	2.6 %	33.0 %	49.6 %	21	0.0 %	30.0 %	0.0 %	70.0 %	2	0.0 %	100.0 %	0.0 %	12.1 %	8.6 %
1987	13.2 %	2.2 %	30.2 %	54.4 %	19	10.0 %	0.0 %	30.0 %	60.0 %	4	14.4 %	0.0 %	18.9 %	21.0 %	19.0 %
1988	13.5 %	2.3 %	38.9 %	45.3 %	24	17.4 %	13.0 %	26.1 %	43.5 %	4	22.6 %	100.0 %	11.8 %	16.8 %	17.6 %
1989	35.4 %	1.2 %	13.4 %	50.0 %	29	54.5 %	9.1 %	4.5 %	31.8 %	4	21.1 %	100.0 %	4.6 %	8.7 %	13.7 %
1990	33.0 %	1.0 %	14.0 %	52.0 %	42	44.4 %	5.6 %	16.7 %	33.3 %	3	10.4 %	43.9 %	9.2 %	5.0 %	7.7 %
1991	27.0 %	5.7 %	19.7 %	47.6 %	49	27.8 %	16.7 %	11.1 %	44.4 %	3	6.8 %	19.3 %	3.7 %	6.2 %	6.6 %
1992	19.8 %	5.7 %	26.1 %	48.4 %	55	16.7 %	37.5 %	4.2 %	41.7 %	4	6.6 %	51.3 %	1.3 %	6.8 %	7.8 %
1993	23.5 %	2.5 %	25.2 %	48.8 %	52	53.6 %	7.8 %	19.3 %	19.3 %	9	41.3 %	56.9 %	13.9 %	7.2 %	18.1 %
1994	28.8 %	2.1 %	13.1 %	56.0 %	39	48.8 %	2.8 %	16.3 %	32.1 %	10	41.9 %	33.0 %	30.8 %	14.2 %	24.7 %
1995	15.3 %	0.6 %	24.5 %	59.6 %	42	17.0 %	0.0 %	13.3 %	69.7 %	15	39.7 %	0.0 %	19.4 %	41.7 %	35.7 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	14.8 %	2.6 %	33.0 %	49.6 %	5,161	0.0 %	30.0 %	0.0 %	70.0 %	443	0.0 %	100.0 %	0.0 %	12.1 %	8.6 %
1987	13.2 %	2.2 %	30.2 %	54.4 %	4,038	10.0 %	0.0 %	30.0 %	60.0 %	767	14.4 %	0.0 %	18.9 %	21.0 %	19.0 %
1988	13.5 %	2.3 %	38.9 %	45.3 %	5,085	17.4 %	13.0 %	26.1 %	43.5 %	893	22.6 %	100.0 %	11.8 %	16.8 %	17.6 %
1989	35.4 %	1.2 %	13.4 %	50.0 %	8,555	54.5 %	9.1 %	4.5 %	31.8 %	1,168	21.1 %	100.0 %	4.6 %	8.7 %	13.7 %
1990	33.0 %	1.0 %	14.0 %	52.0 %	11,234	44.4 %	5.6 %	16.7 %	33.3 %	870	10.4 %	43.9 %	9.2 %	5.0 %	7.7 %
1991	27.0 %	5.7 %	19.7 %	47.6 %	14,359	27.8 %	16.7 %	11.1 %	44.4 %	946	6.8 %	19.3 %	3.7 %	6.2 %	6.6 %
1992	19.8 %	5.7 %	26.1 %	48.4 %	16,095	16.7 %	37.5 %	4.2 %	41.7 %	1,261	6.6 %	51.3 %	1.3 %	6.8 %	7.8 %
1993	23.5 %	2.5 %	25.2 %	48.8 %	17,511	53.6 %	7.8 %	19.3 %	19.3 %	3,171	41.3 %	56.9 %	13.9 %	7.2 %	18.1 %
1994	28.8 %	2.1 %	13.1 %	56.0 %	13,491	48.8 %	2.8 %	16.3 %	32.1 %	3,338	41.9 %	33.0 %	30.8 %	14.2 %	24.7 %
1995	15.3 %	0.6 %	24.5 %	59.6 %	13,254	17.0 %	0.0 %	13.3 %	69.7 %	4,736	39.7 %	0.0 %	19.4 %	41.7 %	35.7 %

Source: Aerospatiale

TABLE 2.18

## CIVIL TRANSPORT AIRCRAFT ORDERS IN BACKLOG AT YEAR-END

## Category: Short/Medium-haul Turboprop

	Distribution of aircraft by geographical area				Distribution of EU-built aircraft by geographical area					EU-built share of backlog in each geographical area					
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
	<i>Breakdown by Units</i>														
1986	15.1 %	2.1 %	37.0 %	45.9 %	484	20.9 %	2.9 %	27.4 %	48.7 %	277	79.5 %	80.0 %	42.5 %	60.8 %	57.2 %
1987	12.9 %	2.8 %	42.4 %	41.8 %	533	14.7 %	4.4 %	33.8 %	47.2 %	320	68.1 %	93.3 %	47.8 %	67.7 %	60.0 %
1988	22.4 %	2.2 %	37.2 %	38.1 %	637	31.6 %	3.4 %	20.9 %	44.1 %	383	84.6 %	92.9 %	33.8 %	69.5 %	60.1 %
1989	23.8 %	5.1 %	45.2 %	26.0 %	770	26.1 %	7.4 %	38.3 %	28.2 %	528	75.4 %	100.0 %	58.0 %	74.5 %	68.6 %
1990	22.3 %	12.2 %	44.3 %	21.2 %	731	24.3 %	17.1 %	32.9 %	25.6 %	519	77.3 %	100.0 %	52.8 %	85.8 %	71.0 %
1991	18.2 %	13.0 %	42.3 %	26.6 %	655	23.7 %	20.1 %	22.7 %	33.4 %	422	84.0 %	100.0 %	34.7 %	81.0 %	64.4 %
1992	14.5 %	17.5 %	37.7 %	30.3 %	531	19.3 %	20.9 %	21.7 %	38.2 %	374	93.5 %	83.9 %	40.5 %	88.8 %	70.4 %
1993	8.5 %	17.4 %	43.0 %	31.1 %	472	11.9 %	20.7 %	27.9 %	39.5 %	319	95.0 %	80.5 %	43.8 %	85.7 %	67.6 %
1994	10.7 %	12.2 %	41.8 %	35.4 %	534	14.6 %	14.6 %	26.5 %	44.3 %	370	94.7 %	83.1 %	43.9 %	86.8 %	69.3 %
1995	7.0 %	9.7 %	43.0 %	40.3 %	558	10.3 %	13.1 %	29.9 %	46.7 %	351	92.3 %	85.2 %	43.8 %	72.9 %	62.9 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	17.7 %	2.3 %	30.8 %	49.2 %	17	24.6 %	3.2 %	21.6 %	50.6 %	11	85.1 %	84.7 %	43.0 %	63.0 %	61.3 %
1987	15.2 %	3.5 %	35.5 %	45.7 %	19	17.5 %	5.3 %	27.9 %	49.2 %	12	73.2 %	95.6 %	49.9 %	68.4 %	63.3 %
1988	28.9 %	2.2 %	29.1 %	39.8 %	24	38.2 %	3.1 %	16.4 %	42.3 %	16	88.2 %	94.2 %	37.5 %	71.0 %	66.7 %
1989	30.2 %	6.2 %	35.7 %	27.9 %	29	32.4 %	8.6 %	30.0 %	29.0 %	21	78.3 %	100.0 %	61.3 %	75.7 %	72.9 %
1990	27.8 %	14.0 %	35.6 %	22.5 %	29	29.4 %	18.5 %	26.7 %	25.3 %	22	80.2 %	100.0 %	56.8 %	85.1 %	75.7 %
1991	23.1 %	16.1 %	32.4 %	28.5 %	24	26.5 %	21.2 %	19.0 %	33.3 %	18	86.7 %	100.0 %	44.4 %	88.5 %	75.7 %
1992	17.5 %	21.3 %	27.2 %	33.9 %	19	20.5 %	23.2 %	16.4 %	40.0 %	15	93.4 %	86.8 %	48.3 %	94.2 %	80.0 %
1993	10.7 %	20.2 %	37.4 %	31.7 %	18	13.5 %	22.2 %	28.4 %	35.9 %	14	96.4 %	84.0 %	57.8 %	86.0 %	76.1 %
1994	14.4 %	14.5 %	32.8 %	38.2 %	19	17.8 %	15.9 %	22.9 %	43.4 %	15	96.9 %	86.0 %	54.8 %	89.5 %	78.7 %
1995	8.9 %	11.3 %	33.9 %	45.8 %	21	12.6 %	14.5 %	24.3 %	48.7 %	14	96.9 %	87.8 %	49.2 %	73.1 %	68.8 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	17.7 %	2.3 %	30.8 %	49.2 %	2,582	24.6 %	3.2 %	21.6 %	50.6 %	1,582	85.1 %	84.7 %	43.0 %	63.0 %	61.3 %
1987	15.2 %	3.5 %	35.4 %	45.9 %	2,580	17.5 %	5.3 %	27.9 %	49.2 %	1,633	73.2 %	95.6 %	49.9 %	67.9 %	63.3 %
1988	28.9 %	2.2 %	29.1 %	39.8 %	3,402	38.2 %	3.1 %	16.4 %	42.3 %	2,271	88.2 %	94.2 %	37.5 %	71.0 %	66.7 %
1989	30.2 %	6.2 %	35.7 %	27.9 %	5,811	32.4 %	8.6 %	30.0 %	29.0 %	4,236	78.3 %	100.0 %	61.3 %	75.7 %	72.9 %
1990	27.8 %	14.0 %	35.6 %	22.5 %	5,388	29.4 %	18.5 %	26.7 %	25.3 %	4,081	80.2 %	100.0 %	56.8 %	85.1 %	75.7 %
1991	23.1 %	16.1 %	32.4 %	28.5 %	4,938	26.5 %	21.2 %	19.0 %	33.3 %	3,736	86.7 %	100.0 %	44.4 %	88.5 %	75.7 %
1992	17.5 %	21.3 %	27.2 %	33.9 %	4,008	20.5 %	23.2 %	16.4 %	40.0 %	3,207	93.4 %	86.8 %	48.3 %	94.2 %	80.0 %
1993	10.7 %	20.2 %	37.4 %	31.7 %	4,282	13.5 %	22.2 %	28.4 %	35.9 %	3,260	96.4 %	84.0 %	57.8 %	86.0 %	76.1 %
1994	14.4 %	14.5 %	32.8 %	38.2 %	4,668	17.8 %	15.9 %	22.9 %	43.4 %	3,671	96.9 %	86.0 %	54.8 %	89.5 %	78.7 %
1995	8.9 %	11.3 %	33.9 %	45.8 %	4,552	12.6 %	14.5 %	24.3 %	48.7 %	3,132	96.9 %	87.8 %	49.2 %	73.1 %	68.8 %

Source: Aerospatiale

TABLE 2.19

## CIVIL TRANSPORT AIRCRAFT ORDERS IN BACKLOG AT YEAR-END

Category: Short/Medium-haul Jet															
Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of backlog in each geographical area					
Breakdown by Units															
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
1986	29.7 %	2.9 %	55.8 %	11.6 %	1,027	40.3 %	6.4 %	39.2 %	14.1 %	283	37.4 %	60.0 %	19.4 %	33.6 %	27.6 %
1987	33.4 %	5.6 %	46.5 %	14.5 %	1,108	40.7 %	7.1 %	38.0 %	14.2 %	337	37.0 %	38.7 %	24.9 %	29.8 %	30.4 %
1988	37.0 %	3.2 %	42.2 %	17.6 %	1,506	37.4 %	2.9 %	31.2 %	28.5 %	414	27.8 %	25.0 %	20.3 %	44.5 %	27.5 %
1989	33.6 %	2.1 %	46.9 %	17.4 %	2,034	35.1 %	1.9 %	32.5 %	30.6 %	582	29.8 %	25.6 %	19.8 %	50.3 %	28.6 %
1990	31.0 %	2.2 %	46.0 %	20.8 %	2,056	33.3 %	3.3 %	33.4 %	29.9 %	688	35.9 %	51.1 %	24.3 %	48.1 %	33.5 %
1991	22.3 %	2.6 %	50.2 %	25.0 %	1,635	25.8 %	3.6 %	38.0 %	32.6 %	534	37.8 %	45.2 %	24.8 %	42.6 %	32.7 %
1992	16.5 %	2.9 %	55.9 %	24.7 %	1,353	23.4 %	3.5 %	46.6 %	26.5 %	483	50.7 %	43.6 %	29.7 %	38.3 %	35.7 %
1993	18.3 %	2.3 %	56.3 %	23.2 %	1,191	29.9 %	5.1 %	42.9 %	22.1 %	448	61.5 %	85.2 %	28.7 %	35.9 %	37.6 %
1994	19.6 %	2.6 %	56.2 %	21.6 %	1,158	26.6 %	6.0 %	41.2 %	26.2 %	451	52.9 %	90.0 %	28.6 %	47.2 %	38.9 %
1995	24.4 %	2.7 %	47.7 %	25.2 %	1,391	31.8 %	5.9 %	33.1 %	29.2 %	510	47.6 %	78.9 %	25.5 %	42.6 %	36.7 %
Breakdown by Seats															
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	29.1 %	2.6 %	55.8 %	12.5 %	144	41.6 %	5.9 %	36.5 %	15.9 %	38	37.9 %	59.9 %	17.3 %	33.8 %	26.5 %
1987	31.8 %	5.0 %	47.2 %	16.0 %	159	36.9 %	6.5 %	41.1 %	15.4 %	49	35.8 %	40.3 %	26.9 %	29.8 %	30.9 %
1988	35.1 %	3.0 %	43.7 %	18.2 %	216	34.5 %	2.8 %	32.4 %	30.3 %	60	27.1 %	25.9 %	20.5 %	45.8 %	27.6 %
1989	32.0 %	1.9 %	47.4 %	18.6 %	297	33.0 %	1.8 %	30.2 %	35.0 %	86	29.9 %	27.2 %	18.5 %	54.5 %	29.0 %
1990	30.1 %	2.0 %	46.2 %	21.7 %	306	33.7 %	3.3 %	30.7 %	32.3 %	105	38.7 %	55.2 %	22.9 %	51.4 %	34.5 %
1991	22.3 %	2.3 %	49.6 %	25.8 %	250	26.5 %	3.3 %	36.2 %	34.0 %	88	41.9 %	48.8 %	25.7 %	46.4 %	35.2 %
1992	17.3 %	2.6 %	55.3 %	24.8 %	207	24.9 %	3.1 %	45.0 %	27.0 %	79	55.0 %	46.4 %	31.0 %	41.4 %	38.2 %
1993	18.7 %	2.1 %	56.8 %	22.4 %	183	30.0 %	4.5 %	42.7 %	22.8 %	71	62.3 %	85.9 %	29.2 %	39.5 %	38.9 %
1994	19.2 %	2.3 %	58.4 %	20.0 %	172	27.2 %	5.5 %	42.9 %	24.4 %	67	55.5 %	91.4 %	28.7 %	47.7 %	39.1 %
1995	23.1 %	2.4 %	50.0 %	24.5 %	195	30.4 %	5.0 %	35.7 %	28.9 %	72	48.4 %	76.5 %	26.2 %	43.3 %	36.7 %
Breakdown by Current Value															
	EU15	Other Europe	USA	Rest of World	Mlo ECU	EU15	Other Europe	USA	Rest of World	Mlo ECU	EU15	Other Europe	USA	Rest of World	World
1986	29.1 %	2.6 %	55.8 %	12.5 %	30,644	41.6 %	5.9 %	36.5 %	15.9 %	8,123	37.9 %	59.9 %	17.3 %	33.8 %	26.5 %
1987	31.8 %	5.0 %	47.2 %	16.0 %	28,905	36.9 %	6.5 %	41.1 %	15.4 %	8,928	35.8 %	40.3 %	26.9 %	29.8 %	30.9 %
1988	35.1 %	3.0 %	43.7 %	18.2 %	38,320	34.5 %	2.8 %	32.4 %	30.3 %	10,581	27.1 %	25.9 %	20.5 %	45.8 %	27.6 %
1989	32.0 %	1.9 %	47.4 %	18.6 %	72,970	33.0 %	1.8 %	30.2 %	35.0 %	21,192	29.9 %	27.2 %	18.5 %	54.5 %	29.0 %
1990	30.1 %	2.0 %	46.2 %	21.7 %	68,593	33.7 %	3.3 %	30.7 %	32.3 %	23,663	38.7 %	55.2 %	22.9 %	51.4 %	34.5 %
1991	22.2 %	2.3 %	49.6 %	25.8 %	60,990	26.5 %	3.3 %	36.2 %	34.0 %	21,467	42.0 %	48.8 %	25.7 %	46.4 %	35.2 %
1992	17.3 %	2.6 %	55.3 %	24.9 %	50,378	24.9 %	3.1 %	45.0 %	27.0 %	19,241	55.1 %	46.4 %	31.1 %	41.4 %	38.2 %
1993	18.7 %	2.1 %	56.8 %	22.4 %	51,476	30.0 %	4.5 %	42.7 %	22.8 %	20,035	62.4 %	85.9 %	29.2 %	39.6 %	38.9 %
1994	19.1 %	2.4 %	58.5 %	20.0 %	48,179	27.2 %	5.5 %	42.9 %	24.4 %	18,886	55.7 %	91.4 %	28.7 %	47.8 %	39.2 %
1995	23.1 %	2.4 %	50.0 %	24.5 %	49,083	30.4 %	5.0 %	35.7 %	28.9 %	18,077	48.6 %	76.5 %	26.3 %	43.4 %	36.8 %

Source: Aerospatiale

TABLE 2.20

## CIVIL TRANSPORT AIRCRAFT ORDERS IN BACKLOG AT YEAR-END

## Category: Long-haul Jet

	Distribution of aircraft by geographical area					Distribution of EU-built aircraft by geographical area					EU-built share of backlog in each geographical area				
	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	Units	EU15	Other Europe	USA	Rest of World	World
	<i>Breakdown by Units</i>														
1986	25.1 %	2.1 %	23.0 %	49.7 %	187	12.9 %	9.7 %	38.7 %	38.7 %	31	8.5 %	75.0 %	27.9 %	12.9 %	16.6 %
1987	26.0 %	6.2 %	23.1 %	44.7 %	273	21.6 %	13.5 %	16.2 %	48.6 %	37	11.3 %	29.4 %	9.5 %	14.8 %	13.6 %
1988	32.1 %	4.5 %	20.2 %	43.2 %	352	39.4 %	9.1 %	30.3 %	21.2 %	33	11.5 %	18.8 %	14.1 %	4.6 %	9.4 %
1989	32.4 %	2.9 %	24.9 %	39.9 %	587	48.8 %	2.4 %	24.4 %	24.4 %	164	42.1 %	23.5 %	27.4 %	17.1 %	27.9 %
1990	27.3 %	4.0 %	24.6 %	44.1 %	744	41.6 %	9.1 %	18.3 %	31.0 %	197	40.4 %	60.0 %	19.7 %	18.6 %	26.5 %
1991	25.7 %	1.8 %	25.7 %	46.8 %	775	36.6 %	5.6 %	19.0 %	38.9 %	216	39.7 %	85.7 %	20.6 %	23.1 %	27.9 %
1992	24.3 %	1.1 %	25.6 %	48.9 %	699	33.9 %	3.1 %	21.9 %	41.1 %	224	44.7 %	87.5 %	27.4 %	26.9 %	32.0 %
1993	21.9 %	0.8 %	25.4 %	51.9 %	613	30.2 %	2.0 %	20.5 %	47.3 %	205	46.3 %	80.0 %	26.9 %	30.5 %	33.4 %
1994	19.4 %	0.7 %	26.2 %	53.6 %	541	23.4 %	1.5 %	21.4 %	53.7 %	201	44.8 %	75.0 %	30.3 %	37.2 %	37.2 %
1995	17.6 %	0.7 %	20.7 %	61.0 %	575	22.8 %	1.1 %	20.0 %	56.1 %	180	40.6 %	50.0 %	30.3 %	28.8 %	31.3 %
	<i>Breakdown by Seats</i>														
	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	Seats x 1,000	EU15	Other Europe	USA	Rest of World	World
1986	27.3 %	1.4 %	21.3 %	50.0 %	58	12.9 %	9.7 %	38.7 %	38.7 %	6	4.6 %	66.4 %	17.5 %	7.5 %	9.6 %
1987	27.6 %	5.1 %	23.0 %	44.3 %	85	21.6 %	13.5 %	16.2 %	48.6 %	7	6.1 %	20.9 %	5.5 %	8.6 %	7.8 %
1988	30.7 %	3.8 %	19.9 %	45.6 %	109	36.2 %	8.3 %	36.0 %	19.5 %	6	7.0 %	13.0 %	10.7 %	2.5 %	5.9 %
1989	31.2 %	2.5 %	24.1 %	42.2 %	174	46.7 %	1.6 %	26.2 %	25.5 %	45	38.9 %	16.6 %	28.3 %	15.7 %	26.0 %
1990	26.3 %	3.1 %	23.8 %	46.9 %	231	41.7 %	6.8 %	20.5 %	30.9 %	54	37.4 %	52.2 %	20.4 %	15.6 %	23.6 %
1991	25.3 %	1.3 %	24.2 %	49.2 %	242	36.8 %	4.3 %	21.0 %	37.9 %	61	36.6 %	82.3 %	21.9 %	19.4 %	25.2 %
1992	23.9 %	0.9 %	24.0 %	51.2 %	220	34.0 %	2.7 %	22.4 %	40.9 %	64	41.3 %	86.0 %	27.2 %	23.3 %	29.1 %
1993	22.1 %	0.7 %	24.4 %	52.8 %	194	30.2 %	1.7 %	22.0 %	46.1 %	61	42.9 %	78.0 %	28.2 %	27.3 %	31.3 %
1994	20.0 %	0.6 %	25.1 %	54.3 %	171	24.0 %	1.2 %	22.9 %	51.9 %	59	41.3 %	72.1 %	31.5 %	33.0 %	34.5 %
1995	17.8 %	0.5 %	19.9 %	61.7 %	185	23.6 %	0.9 %	21.7 %	53.8 %	53	37.7 %	47.0 %	31.0 %	24.8 %	28.5 %
	<i>Breakdown by Current Value</i>														
	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	Mio ECU	EU15	Other Europe	USA	Rest of World	World
1986	27.3 %	1.4 %	21.3 %	50.0 %	14,224	12.9 %	9.7 %	38.7 %	38.7 %	1,372	4.6 %	66.4 %	17.5 %	7.5 %	9.6 %
1987	27.6 %	5.1 %	23.0 %	44.3 %	18,124	21.6 %	13.5 %	16.2 %	48.6 %	1,419	6.1 %	20.9 %	5.5 %	8.6 %	7.8 %
1988	30.7 %	3.8 %	19.9 %	45.6 %	23,601	36.2 %	8.3 %	36.0 %	19.5 %	1,395	7.0 %	13.0 %	10.7 %	2.5 %	5.9 %
1989	31.2 %	2.5 %	24.1 %	42.2 %	51,434	46.7 %	1.6 %	26.2 %	25.5 %	13,383	38.9 %	16.6 %	28.3 %	15.7 %	26.0 %
1990	26.3 %	3.1 %	23.8 %	46.9 %	61,916	41.7 %	6.8 %	20.5 %	30.9 %	14,608	37.4 %	52.2 %	20.4 %	15.6 %	23.6 %
1991	25.3 %	1.3 %	24.2 %	49.2 %	70,770	36.8 %	4.3 %	21.0 %	37.9 %	17,811	36.6 %	82.3 %	21.9 %	19.4 %	25.2 %
1992	23.9 %	0.9 %	24.0 %	51.2 %	64,375	34.0 %	2.7 %	22.4 %	40.9 %	18,737	41.3 %	86.0 %	27.2 %	23.3 %	29.1 %
1993	22.1 %	0.7 %	24.4 %	52.8 %	65,901	30.2 %	1.7 %	22.0 %	46.1 %	20,641	42.9 %	78.0 %	28.2 %	27.3 %	31.3 %
1994	20.0 %	0.6 %	25.1 %	54.3 %	59,026	24.0 %	1.2 %	22.9 %	51.9 %	20,376	41.3 %	72.1 %	31.5 %	33.0 %	34.5 %
1995	17.8 %	0.5 %	19.9 %	61.7 %	58,872	23.6 %	0.9 %	21.7 %	53.8 %	16,767	37.7 %	47.0 %	31.0 %	24.8 %	28.5 %

Source: Aerospatiale

## *Chapter 3*

# **Light- and Business Aircraft**



The data on the **business aircraft fleet** are prepared by ITA - l'Institut du Transport Aérien in Paris, France.

There is no definition of a "business aircraft". The term relates, however, to the transport of passengers travelling for business reasons. In this study, a business aircraft is defined as follows:

- an aircraft that is not used on scheduled routes;
- an aircraft whose services are not marketed to the public (via travel agencies, for example), the available capacity (generally limited) being bought for a sole use, linked to professional reasons<sup>1</sup>;
- an aircraft that is not specifically equipped for other activities.

The study is limited to "*air taxi*" (i.e. commercial transport on request) or to private transport for companies or institutions having an aircraft fleet for their own needs (governments, businesses, etc.).

Piston aircraft are excluded, as they are by nature designed for activities such as general aviation, leisure transport, training, etc.

The study distinguishes 3 main business aircraft categories:

- *large jet aircraft*  
whose initial use is not business transport, but that are specially equipped for that use and are called "V.I.P.";
- *small jet aircraft*  
specially built for business transport (their high costs imply that they are seldom used on scheduled routes);
- *turboprop aircraft*  
that are used as air taxis.

For the last 2 categories, due to the large number of aircraft types, the study excludes those of which 10 units or less were in service for business transport (approximately 3 % of the total market).

The price of the business jets and turboprops is the standard price, i.e. the average selling price, excluding the cost of the equipment.

The value of the fleet is computed in current prices as follows:

- for *out of production aircraft*, an average price is computed between the aircraft maximum price, its minimum price and its price after some improvements, between the first and the last year of manufacturing;
- for *aircraft still in production and first put into service before 1990*, the average price is estimated between the new aircraft price, weighted by a factor 2, its maximum price and its price after some improvements on the aircraft in the first year of production.
- for *aircraft built from 1990 onwards*, the price of new aircraft is used.

The aircraft included in the study are listed on the following pages (Tables 3.1 to 3.3).

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<sup>1</sup> There is *double counting* of some large transport aircraft, that are specially equipped for the V.I.P., and which are also included in the *civil transport aircraft fleet* (Chapter 2).

TABLE 3.1

## BUSINESS AIRCRAFT

## Design Origin US

<b>Turboprops</b>				<b>Jets</b>			
Manufacturer and Model	No. of Seats <sup>1</sup>	Years <sup>2</sup>	Value in 1995 Mio. ECU	Manufacturer and Model	No. of Seats <sup>1</sup>	Years <sup>2</sup>	Value in 1995 Mio. ECU
<b>BEECH</b>				<b>BEECH</b>			
BEECH 18	10	1946-69	0.038	BEECHJET 400 (DIAMOND II)	2+8	1985 ..	3.440
BEECH 1900	2+19	1982 ..	2.369	<b>BOEING</b>			
KING AIR 100	1+10	1969-83	0.535	B-707/720		1958-82	1.529
KING AIR 200	1+10	1973 ..	1.529	B-727		1963-84	2.369
KING AIR 300	1+10	1984 ..	2.293	B-737		1967 ..	4.586
KING AIR 90	1+9	1964 ..	0.917	B-747, 747SP		1989 ..	46.625
STARSHIP	1(2)+6-10	1989 ..	3.134	B-757, 767		1981 ..	35.160
<b>CESSNA</b>				<b>CESSNA</b>			
C-421, 208, 406	1(2)+5-14	1967 ..	0.535	CITATION I	2+5-7	1972 ..	1.124
C-425, 441	1+10	1980-86	0.841	CITATION II	2+10	1978 ..	2.308
<b>CONVAIR</b>				CITATION III/V/VI/VII	2+9-13	1982 ..	4.510
CV 580, 640	56	1960-69	0.313	<b>GATES LEARJET</b>			
<b>FAIRCHILD</b>				LEARJET 55, 60	2+10	1980 ..	3.975
F-27, FH-227	40	1958-68	0.382	LEARJET 35, 36	2+10	1974 ..	2.369
MERLIN II	2+6	1967-68	0.176	LEARJET 23, 24, 25, 31	2+6-8	1964-94	0.841
MERLIN III	2+9	1970-83	0.550	<b>GULFSTREAM</b>			
MERLIN IV	2+15	1971-91	1.338	G.II	10-19	1966-80	3.669
<b>GULFSTREAM/ROCKWELL</b>				G.III, IV	3+19	1979 ..	11.847
COM 1000	1+7-10	1981-85	1.108	<b>LOCKHEED</b>			
COM 681, 690	9	1970-79	0.268	JETSTAR 6, 8, 731	2+10	1960-73	0.764
COM 900, 980, 840	1+7-10	1980-85	0.757	JETSTAR II	2+10	1976-80	1.758
GOSSE	7-11	1933-45	0.107	<b>McDD</b>			
GULFST. I	12-26	1959-69	0.382	DC-10		1971-89	5.503
TURBO-CMDR (680)	11	1966-69	0.076	DC-8		1959-72	3.822
<b>PIPER</b>				DC-9, MD80		1969 ..	3.745
P-31T, 1	1+8	1974-85	0.420	<b>ROCKWELL</b>			
P-31T-2, 2XL	1+10	1981-85	0.688	JET COMMANDER (1121)	2+8	1965-68	0.252
P-42, 400	11	1980-91	1.452	SABER 40	2+8	1964-74	0.428
				SABER 60, 65, 75, 80	2+10	1967-79	1.376

1) crew (optional crew) + pax min - pax max

2) production from-to OR from .. (ongoing production)

Source: IATA



TABLE 3.2

## BUSINESS AIRCRAFT

### Design Origin EU

<i>Turboprops</i>				<i>Jets</i>			
Manufacturer and Model	No. of Seats <sup>1</sup>	Years <sup>2</sup>	Value in 1995 Mio. ECU	Manufacturer and Model	No. of Seats <sup>1</sup>	Years <sup>2</sup>	Value in 1995 Mio. ECU
<b>AEROSPATIALE</b>				<b>AEROSPATIALE</b>			
TBM-700	6-8	1990 ..	1.147	CORVETTE 100	6-12	1972-79	0.382
<b>BRITISH AEROSPACE</b>				<b>AIRBUS</b>			
HS-748	40-50	1961-88	1.376	A300-600		1984 ..	41.275
JETSTREAM 31, 41	(1)2+8-29	1982 ..	2.369	A310-300		1982 ..	45.861
<b>DORNIER</b>				A340-200			
DO 228, 328	2+19-30	1982 ..	2.905	<b>BRITISH AEROSPACE</b>			
<b>FOKKER</b>				BAC 111			
F-27, F-50	2(3)+44-5	1957-88	3.210	HS-125-400, 600	2+79-119	1964-82	0.841
<b>PARTENAVIA</b>				HS-125-700			
P.68	1+5-9	1979 ..	0.573	HS-125-800, 1000	7-8	1962-76	0.573
<b>PIAGGIO</b>				DASSAULT-BREGUET			
P.180, 166	5-9	1990 ..	3.363	FALCON 10, 100	2(3)+8-14	1977-84	2.446
<b>PILATUS BRITTEN-NORMAN</b>				FALCON 20, 200			
BN-2A	10	1965 ..	0.459	FALCON 2000	2(3)+8-15	1984 ..	6.879
<b>SHORT</b>				FALCON 50			
SKYVAN	19	1966-85	0.229	FALCON 900	2+7	1973-88	1.682
				FALCON 20, 200			
				FALCON 2000			
				FALCON 50			
				FALCON 900			
				<b>FOKKER</b>			
				F-28, F-100, F-70			
				<b>MBB</b>			
				HANSA JET			
				SOCATA			
				PARIS JET			

1) crew (optional crew) + pax min - pax max

2) production from-to OR from .. (ongoing production)

Source: IFA

TABLE 3.3

## BUSINESS AIRCRAFT

### Design Origin Other

<i>Turboprops</i>				<i>Jets</i>			
Manufacturer and Model	No. of Seats <sup>1</sup>	Years <sup>2</sup>	Value in 1995 Mio. ECU	Manufacturer and Model	No. of Seats <sup>1</sup>	Years <sup>2</sup>	Value in 1995 Mio. ECU
<b>DE HAVILLAND (CA)</b>				<b>CANADAIR (CA)</b>			
DASH 7	54	1977-88	2.293	CL-600	2+19	1980-83	4.968
TURBO BEAVER	8	1948-68	0.031	CL-601, 604	2+19	1982 ..	10.548
TWIN OTTER	22	1965-88	0.611	<b>IAI (IL)</b>			
<b>EMBRAER (BR)</b>				ASTRA (IAI 1125)	2+10	1985 ..	4.586
EMB 120, 121	2+9	1979 ..	4.357	WESTWIND 1, 2 (IAI 1123/1124)	2+10	1965-87	1.758
EMB-110	2+18	1973-89	0.879	<b>mitsubishi (JP)</b>			
EMB-Neiva 821	2+6-8	1984 ..	0.825	DIAMOND	9-11	1981-85	1.567
<b>MITSUBISHI (JP)</b>							
MARQUISE	11	1979-85	0.749				
MU-2	9	1967-85	0.268				
<b>PILATUS (CH)</b>							
PORTER PC6, 12	8-11	1965 ..	0.153				

1) crew (optional crew) + pax min - pax max

2) production from-to OR from .. (ongoing production)

Source: IFA

The table series 3.4 through 3.19 present the following information:

There is a series for each aircraft category (V.I.P. jets, jets other than V.I.P., turboprops) and a total for all categories.

Each of the 4 series is divided in two parts: one giving all figures in number of aircrafts (units), the other giving all figures in value (Mio. ECU).

The two parts both comprise two tables: one where figures are broken down by larger geographical zones (EU, North America, Africa, ..), and one where the EU fleet is broken down by member state.

All tables have three sections: one presenting the geographical breakdown of a total, the second giving the market share of EU built aircraft within the geographical zones, and finally the third section shows how EU built aircraft are distributed over all zones.

The larger geographical zones are composed as follows:

*EU 15*

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom;

*Other Europe*

Bulgaria, Croatia, Cyprus, Czech Republic, Greenland, Hungary, Iceland, Liechtenstein, Malta, Monaco, Norway, Poland, Russia, Slovenia, Switzerland, Turkey, ex-Yugoslavia;

*North America*

Bermuda, Canada, USA;

*Central America*

Aruba, Bahamas, Barbados, British Virgin Islands, Cayman Islands, Costa Rica, Cuba, Dominican Republic, French Antilles, Guatemala, Honduras, Jamaica, Mexico, Netherlands Antilles, Panama, Trinidad & Tobago;

*South America*

Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands, French Guiana, Paraguay, Peru, Uruguay, Venezuela;

*Africa*

Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Comoros, Congo, Djibouti, Egypt, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Malagasy, Malawi, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome, Senegal, Seychelles, Somalia, South Africa, Sudan, Swaziland, Tanzania, Tchad, Togo, Uganda, Zaire, Zambia, Zimbabwe;

*Asia*

Abu Dhabi, Bahrein, Bangladesh, Brunei, Burma, China, Dhubai, Hong-Kong, India, Indonesia, Irak, Islamic Republic of Iran, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Maldives, Myanmar, Oman, Pakistan, Philippines, Qatar, Republic of Korea, Saudi Arabia, Sharjah, Singapore, Sri Lanka, Syrian Arab Republic, Taiwan, Thailand, Turkmenistan, United Arab Emirates, Yemen;

*Australasia*

Australia, French Polynesia, New Caledonia, New Zealand, Papua New Guinea, Tahiti.

Table structure

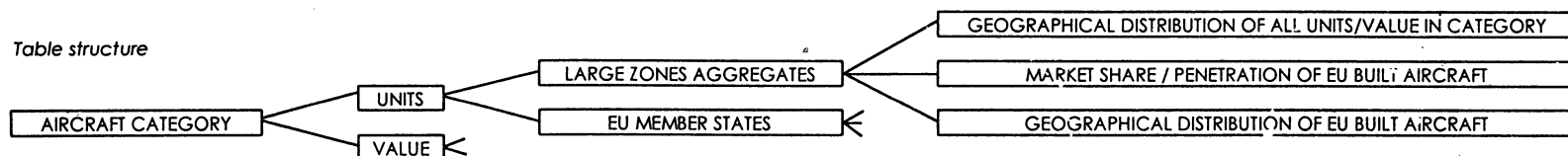


TABLE 3.4

## WORLD BUSINESS AIRCRAFT FLEET

## All Aircraft Categories

(Units at Year-end)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Units
1986 r	7.4 %	1.5 %	76.6 %	2.7 %	5.1 %	2.7 %	2.8 %	1.2 %	13,627
1987 r	8.6 %	1.5 %	74.4 %	2.8 %	5.5 %	2.7 %	2.9 %	1.5 %	13,837
1988 r	9.6 %	1.7 %	72.0 %	3.1 %	6.1 %	2.9 %	2.9 %	1.7 %	14,102
1989 r	10.3 %	1.7 %	70.2 %	3.5 %	6.6 %	2.9 %	3.0 %	1.7 %	14,403
1990 r	11.4 %	1.8 %	67.9 %	3.7 %	7.5 %	3.1 %	3.1 %	1.6 %	14,884
1991 r	11.6 %	1.9 %	66.2 %	4.0 %	8.1 %	3.3 %	3.3 %	1.6 %	15,114
1992 r	11.7 %	2.0 %	64.8 %	4.7 %	8.6 %	3.5 %	3.3 %	1.5 %	15,449
1993 r	11.0 %	2.2 %	64.4 %	4.8 %	9.1 %	3.5 %	3.5 %	1.5 %	15,685
1994 r	10.7 %	2.1 %	64.5 %	4.9 %	9.4 %	3.4 %	3.7 %	1.3 %	16,393
1995	10.1 %	2.2 %	65.3 %	4.3 %	9.5 %	3.4 %	3.8 %	1.4 %	16,622

## EU-built Aircraft - Market Share in Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	25.0 %	14.7 %	9.4 %	11.5 %	2.3 %	23.1 %	20.5 %	13.2 %	11.1 %
1987 r	23.5 %	15.6 %	9.8 %	11.2 %	2.5 %	22.6 %	20.4 %	15.8 %	11.4 %
1988 r	23.7 %	18.1 %	10.1 %	10.5 %	2.2 %	21.0 %	18.6 %	14.0 %	11.7 %
1989 r	23.9 %	18.7 %	10.2 %	9.2 %	2.5 %	19.8 %	18.9 %	11.9 %	11.8 %
1990 r	24.2 %	18.8 %	10.2 %	8.8 %	2.7 %	17.9 %	19.0 %	11.1 %	11.9 %
1991 r	26.0 %	22.0 %	10.4 %	10.0 %	3.0 %	16.3 %	18.6 %	8.9 %	12.3 %
1992 r	25.3 %	23.5 %	10.7 %	11.5 %	3.6 %	16.4 %	19.5 %	8.5 %	12.5 %
1993 r	27.1 %	16.2 %	10.9 %	12.7 %	3.9 %	17.7 %	20.0 %	9.9 %	12.8 %
1994 r	32.2 %	22.2 %	11.4 %	13.4 %	6.9 %	17.4 %	21.4 %	7.3 %	14.0 %
1995	31.2 %	23.9 %	11.8 %	12.9 %	6.8 %	16.1 %	20.5 %	8.4 %	14.0 %

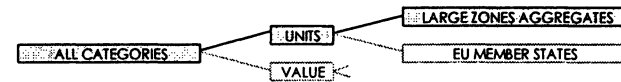
## EU-built Aircraft - Distribution among Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Units
1986 r	16.7 %	2.0 %	65.2 %	2.9 %	1.1 %	5.6 %	5.2 %	1.5 %	1,507
1987 r	17.6 %	2.1 %	63.7 %	2.8 %	1.2 %	5.4 %	5.2 %	2.0 %	1,582
1988 r	19.5 %	2.6 %	62.0 %	2.8 %	1.2 %	5.2 %	4.7 %	2.1 %	1,646
1989 r	20.8 %	2.8 %	60.7 %	2.7 %	1.4 %	4.9 %	4.9 %	1.8 %	1,695
1990 r	23.3 %	2.8 %	58.4 %	2.7 %	1.7 %	4.6 %	5.0 %	1.5 %	1,770
1991 r	24.6 %	3.4 %	56.3 %	3.3 %	2.0 %	4.4 %	5.0 %	1.1 %	1,856
1992 r	23.5 %	3.8 %	55.2 %	4.3 %	2.5 %	4.5 %	5.2 %	1.0 %	1,936
1993 r	23.3 %	2.8 %	54.9 %	4.8 %	2.7 %	4.9 %	5.4 %	1.1 %	2,005
1994 r	24.5 %	3.3 %	52.3 %	4.7 %	4.6 %	4.2 %	5.7 %	0.7 %	2,298
1995	22.5 %	3.7 %	54.8 %	4.0 %	4.6 %	3.9 %	5.6 %	0.8 %	2,334

r Revised

Source: IFA

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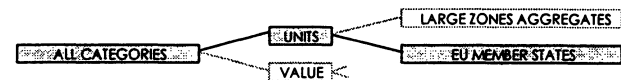


Top section: The world total fleet of business aircraft in 1995 is 16,622 units. The part of the fleet that is registered within the EU represents 10.1 % of this volume.

Middle section: The overall share of EU built aircraft of the world's total fleet represents 14.0 % of the fleet in 1995. EU built aircraft account for 31.2 % of the EU fleet.

Bottom section: The total number of EU built aircraft is 2,334 units in 1995, distributed with 22.5 % in the EU zone, 54.8 % in North America, etc.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.

TABLE 3.5

## EU BUSINESS AIRCRAFT FLEET

## All Aircraft Categories

(Units at Year-end)

Member State Breakdown in % of EU 15 Total																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Units
1986 r	3.1 %	2.0 %	18.7 %	4.5 %	3.4 %	1.5 %	21.7 %	21.7 %	0.2 %	1.2 %	12.3 %	0.1 %	2.6 %	0.2 %	7.0 %	1,006
1987 r	3.7 %	1.8 %	18.4 %	4.8 %	4.1 %	1.8 %	21.5 %	20.4 %	0.1 %	1.1 %	14.3 %	0.2 %	1.9 %	0.3 %	5.7 %	1,184
1988 r	3.8 %	2.0 %	16.6 %	4.3 %	4.3 %	1.8 %	23.2 %	19.7 %	0.1 %	1.0 %	14.4 %	0.1 %	2.1 %	0.5 %	6.1 %	1,357
1989 r	3.6 %	2.0 %	15.5 %	3.6 %	4.5 %	1.7 %	27.0 %	17.4 %	0.1 %	0.9 %	15.0 %	0.2 %	2.1 %	0.6 %	5.8 %	1,480
1990 r	3.8 %	2.2 %	16.1 %	3.2 %	4.5 %	1.6 %	29.0 %	16.1 %	0.1 %	1.1 %	14.1 %	0.2 %	2.9 %	0.5 %	4.8 %	1,701
1991 r	4.2 %	2.2 %	17.4 %	3.1 %	4.6 %	1.6 %	28.6 %	15.5 %	0.1 %	0.9 %	14.1 %	0.2 %	2.5 %	0.6 %	4.4 %	1,757
1992 r	4.0 %	2.4 %	19.0 %	3.2 %	5.0 %	1.6 %	28.5 %	14.8 %	0.2 %	0.6 %	13.4 %	0.2 %	2.4 %	0.7 %	4.2 %	1,800
1993 r	3.9 %	2.3 %	20.2 %	3.7 %	5.3 %	1.5 %	28.4 %	14.6 %	0.2 %	0.6 %	12.3 %	0.2 %	2.2 %	0.8 %	3.9 %	1,727
1994 r	3.4 %	1.5 %	21.8 %	3.5 %	5.4 %	1.3 %	31.4 %	14.8 %	0.3 %	0.3 %	10.0 %	0.2 %	1.8 %	0.7 %	3.5 %	1,744
1995	3.4 %	1.8 %	22.7 %	3.9 %	5.5 %	1.4 %	29.7 %	14.9 %	0.6 %	0.4 %	9.4 %	0.1 %	1.9 %	0.7 %	3.7 %	1,684
EU-built Aircraft - Market Share in Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	9.7 %	0.0 %	15.4 %	8.9 %	26.5 %	6.7 %	34.9 %	33.5 %	0.0 %	25.0 %	32.3 %	100.0 %	23.1 %	0.0 %	8.6 %	25.0 %
1987 r	9.1 %	0.0 %	14.2 %	8.8 %	37.5 %	9.5 %	33.3 %	31.0 %	0.0 %	23.1 %	25.4 %	100.0 %	22.7 %	0.0 %	7.4 %	23.5 %
1988 r	11.8 %	3.7 %	15.6 %	8.5 %	40.7 %	8.3 %	31.4 %	33.6 %	0.0 %	7.7 %	21.0 %	50.0 %	21.4 %	14.3 %	10.8 %	23.7 %
1989 r	11.3 %	10.0 %	14.3 %	11.3 %	38.8 %	8.0 %	30.0 %	33.1 %	0.0 %	7.7 %	22.5 %	66.7 %	22.6 %	33.3 %	10.5 %	23.9 %
1990 r	14.1 %	8.1 %	12.8 %	9.3 %	35.5 %	14.3 %	31.0 %	36.9 %	0.0 %	5.6 %	20.9 %	66.7 %	16.3 %	33.3 %	13.6 %	24.2 %
1991 r	13.7 %	7.7 %	12.4 %	7.3 %	38.3 %	14.3 %	34.3 %	40.7 %	0.0 %	0.0 %	22.2 %	66.7 %	20.5 %	50.0 %	15.4 %	26.0 %
1992 r	15.3 %	7.0 %	9.6 %	8.8 %	36.7 %	10.3 %	33.3 %	42.5 %	33.3 %	10.0 %	22.4 %	66.7 %	16.3 %	38.5 %	17.3 %	25.3 %
1993 r	13.2 %	5.1 %	10.1 %	14.1 %	35.2 %	11.5 %	34.2 %	48.4 %	50.0 %	10.0 %	27.4 %	33.3 %	18.4 %	50.0 %	17.9 %	27.1 %
1994 r	15.0 %	15.4 %	13.2 %	8.2 %	32.6 %	13.0 %	45.4 %	51.0 %	33.3 %	20.0 %	31.0 %	33.3 %	16.1 %	61.5 %	14.8 %	32.2 %
1995	17.5 %	13.3 %	11.0 %	9.2 %	31.5 %	13.0 %	45.8 %	50.0 %	20.0 %	14.3 %	32.7 %	50.0 %	21.9 %	33.3 %	16.1 %	31.2 %
EU-built Aircraft - Distribution among Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Units
1986 r	1.2 %	0.0 %	11.6 %	1.6 %	3.6 %	0.4 %	30.3 %	29.1 %	0.0 %	1.2 %	15.9 %	0.4 %	2.4 %	0.0 %	2.4 %	251
1987 r	1.4 %	0.0 %	11.2 %	1.8 %	6.5 %	0.7 %	30.6 %	27.0 %	0.0 %	1.1 %	15.5 %	0.7 %	1.8 %	0.0 %	1.8 %	278
1988 r	1.9 %	0.3 %	10.9 %	1.6 %	7.5 %	0.6 %	30.8 %	28.0 %	0.0 %	0.3 %	12.8 %	0.3 %	1.9 %	0.3 %	2.8 %	321
1989 r	1.7 %	0.8 %	9.3 %	1.7 %	7.4 %	0.6 %	34.0 %	24.1 %	0.0 %	0.3 %	14.2 %	0.6 %	2.0 %	0.8 %	2.5 %	353
1990 r	2.2 %	0.7 %	8.5 %	1.2 %	6.6 %	1.0 %	37.1 %	24.5 %	0.0 %	0.2 %	12.1 %	0.5 %	1.9 %	0.7 %	2.7 %	412
1991 r	2.2 %	0.7 %	8.3 %	0.9 %	6.8 %	0.9 %	37.7 %	24.3 %	0.0 %	0.0 %	12.1 %	0.4 %	2.0 %	1.1 %	2.6 %	454
1992 r	2.4 %	0.7 %	7.3 %	1.1 %	7.3 %	0.7 %	37.6 %	24.8 %	0.2 %	0.2 %	11.9 %	0.4 %	1.5 %	1.1 %	2.9 %	455
1993 r	1.9 %	0.4 %	7.5 %	1.9 %	6.8 %	0.6 %	35.9 %	26.1 %	0.4 %	0.2 %	12.4 %	0.2 %	1.5 %	1.5 %	2.6 %	448
1994 r	1.6 %	0.7 %	8.9 %	0.9 %	5.5 %	0.5 %	44.2 %	23.4 %	0.4 %	0.2 %	9.6 %	0.2 %	0.9 %	1.4 %	1.6 %	543
1995	1.9 %	0.8 %	8.0 %	1.1 %	5.5 %	0.6 %	43.5 %	24.0 %	0.4 %	0.2 %	9.9 %	0.2 %	1.3 %	0.8 %	1.9 %	526

r Revised

Source: IFA

TABLE 3.6

## WORLD BUSINESS AIRCRAFT FLEET

## All Aircraft Categories

Values at Year-end (Million ECU)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Values
1986 r	7.5 %	1.9 %	75.0 %	2.2 %	4.1 %	3.1 %	5.0 %	1.3 %	26,527
1987 r	8.4 %	2.0 %	73.4 %	2.1 %	4.3 %	3.1 %	5.3 %	1.5 %	23,617
1988 r	9.7 %	2.6 %	71.4 %	2.2 %	4.2 %	3.2 %	5.0 %	1.7 %	24,390
1989 r	10.5 %	2.7 %	69.5 %	2.4 %	4.5 %	3.2 %	5.4 %	1.8 %	29,168
1990 r	12.1 %	2.6 %	67.3 %	2.5 %	5.2 %	3.3 %	5.3 %	1.6 %	29,134
1991 r	12.8 %	2.7 %	65.6 %	2.8 %	5.6 %	3.4 %	5.6 %	1.5 %	31,128
1992 r	12.4 %	2.9 %	64.5 %	3.5 %	5.9 %	3.6 %	5.7 %	1.4 %	32,153
1993 r	11.6 %	3.0 %	63.4 %	3.7 %	6.0 %	3.6 %	7.3 %	1.4 %	38,807
1994 r	10.9 %	3.2 %	64.0 %	3.9 %	5.9 %	3.3 %	7.8 %	1.2 %	41,424
1995	10.1 %	3.1 %	65.1 %	3.4 %	5.8 %	3.3 %	8.0 %	1.2 %	40,168

## EU-built Aircraft - Market Share in Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	46.1 %	30.5 %	20.7 %	23.9 %	4.0 %	32.9 %	25.4 %	33.4 %	23.0 %
1987 r	43.4 %	37.6 %	21.8 %	23.2 %	4.9 %	33.6 %	31.1 %	38.9 %	24.3 %
1988 r	46.6 %	40.4 %	23.8 %	21.4 %	4.9 %	32.7 %	30.0 %	38.6 %	26.5 %
1989 r	47.0 %	37.8 %	23.2 %	19.5 %	5.9 %	33.7 %	30.7 %	41.0 %	26.3 %
1990 r	45.0 %	37.9 %	22.7 %	16.8 %	7.9 %	32.2 %	32.9 %	38.7 %	26.0 %
1991 r	46.2 %	39.5 %	22.8 %	19.2 %	9.4 %	32.9 %	32.1 %	32.2 %	26.4 %
1992 r	46.3 %	37.4 %	22.5 %	23.9 %	10.4 %	33.4 %	30.8 %	30.7 %	26.2 %
1993 r	46.8 %	27.8 %	21.6 %	23.7 %	10.4 %	33.8 %	32.8 %	30.4 %	25.5 %
1994 r	47.1 %	33.4 %	21.2 %	25.1 %	10.9 %	30.6 %	36.5 %	26.6 %	25.5 %
1995	45.9 %	35.3 %	21.6 %	24.4 %	10.8 %	34.0 %	34.6 %	26.6 %	25.5 %

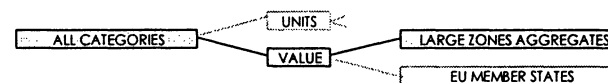
## EU-built Aircraft - Distribution among Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Value
1986 r	15.1 %	2.6 %	67.6 %	2.3 %	0.7 %	4.4 %	5.5 %	1.8 %	6,089
1987 r	15.0 %	3.0 %	65.7 %	2.0 %	0.9 %	4.2 %	6.7 %	2.5 %	5,747
1988 r	17.2 %	3.9 %	64.3 %	1.8 %	0.8 %	3.9 %	5.7 %	2.5 %	6,454
1989 r	18.7 %	3.9 %	61.3 %	1.8 %	1.0 %	4.0 %	6.4 %	2.9 %	7,664
1990 r	20.8 %	3.8 %	58.8 %	1.6 %	1.6 %	4.1 %	6.8 %	2.4 %	7,581
1991 r	22.4 %	4.1 %	56.6 %	2.0 %	2.0 %	4.3 %	6.9 %	1.8 %	8,221
1992 r	22.0 %	4.1 %	55.4 %	3.2 %	2.3 %	4.6 %	6.7 %	1.7 %	8,419
1993 r	21.4 %	3.3 %	53.7 %	3.4 %	2.5 %	4.8 %	9.4 %	1.6 %	9,892
1994 r	20.1 %	4.1 %	53.2 %	3.8 %	2.5 %	3.9 %	11.2 %	1.2 %	10,549
1995	18.2 %	4.3 %	55.2 %	3.2 %	2.4 %	4.4 %	10.9 %	1.2 %	10,247

r Revised

Source: IFA

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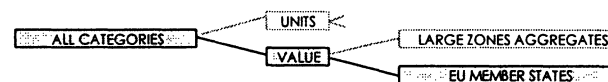


Top section: The total value of the world's fleet of business aircraft in 1995 is 40,168 Mio. ECU. The part of the fleet that is registered within the EU represents 10.1 % of this value.

Middle section: The overall share of EU built aircraft of the world's total fleet represents 25.5 % of the fleet's value in 1995. EU built aircraft account for 45.9 % of the EU fleet's value.

Bottom section: The total value of EU built aircraft is 10,247 Mio. ECU in 1995, distributed with 18.2 % in the EU zone, 55.2 % in North America, etc.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.

TABLE 3.7

## EU BUSINESS AIRCRAFT FLEET

## All Aircraft Categories

## Values at Year-end (Million ECU)

Member State Breakdown in % of EU 15 Total																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Values
1986 r	3.1 %	2.2 %	16.3 %	3.2 %	2.7 %	1.3 %	23.2 %	21.1 %	0.2 %	1.1 %	17.2 %	0.4 %	3.0 %	0.1 %	4.8 %	1,994
1987 r	3.8 %	2.2 %	15.6 %	3.2 %	4.0 %	1.5 %	22.0 %	19.5 %	0.1 %	1.5 %	19.6 %	1.0 %	2.4 %	0.1 %	3.6 %	1,988
1988 r	4.0 %	2.3 %	13.5 %	2.6 %	4.2 %	1.3 %	23.7 %	19.8 %	0.1 %	1.7 %	19.3 %	0.7 %	2.3 %	0.3 %	4.1 %	2,377
1989 r	4.1 %	2.5 %	12.0 %	2.1 %	3.8 %	1.1 %	25.8 %	18.4 %	0.0 %	1.4 %	21.3 %	0.8 %	2.4 %	0.6 %	3.6 %	3,054
1990 r	4.3 %	2.1 %	12.6 %	2.0 %	3.6 %	1.2 %	27.1 %	19.3 %	0.0 %	2.2 %	19.2 %	0.6 %	2.3 %	0.4 %	3.1 %	3,514
1991 r	4.5 %	1.4 %	13.6 %	1.8 %	4.2 %	1.1 %	26.8 %	20.2 %	0.0 %	2.0 %	18.1 %	0.5 %	2.0 %	0.8 %	2.8 %	3,984
1992 r	4.4 %	1.7 %	15.2 %	2.2 %	4.9 %	0.9 %	26.4 %	18.9 %	0.5 %	1.4 %	17.4 %	0.5 %	1.8 %	0.8 %	3.0 %	3,993
1993 r	4.0 %	1.6 %	16.6 %	2.9 %	5.3 %	0.8 %	24.5 %	20.1 %	0.6 %	1.4 %	15.9 %	0.2 %	2.4 %	1.2 %	2.7 %	4,516
1994 r	3.2 %	1.5 %	17.6 %	3.4 %	5.1 %	0.7 %	26.9 %	19.8 %	0.6 %	0.6 %	12.9 %	0.1 %	1.7 %	1.2 %	2.8 %	4,517
1995	3.2 %	2.0 %	20.6 %	3.6 %	4.9 %	0.8 %	24.0 %	20.6 %	0.9 %	0.4 %	12.6 %	0.0 %	2.1 %	1.2 %	3.1 %	4,061

## EU-built Aircraft - Market Share in Member States

Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	32.6 %	0.0 %	33.8 %	17.1 %	47.9 %	22.5 %	59.7 %	44.5 %	0.0 %	25.0 %	60.0 %	100.0 %	58.9 %	0.0 %	30.2 %	46.1 %
1987 r	26.1 %	0.0 %	31.4 %	13.8 %	60.9 %	26.5 %	61.0 %	40.5 %	0.0 %	13.0 %	48.5 %	100.0 %	63.4 %	0.0 %	20.2 %	43.4 %
1988 r	41.6 %	8.4 %	36.8 %	13.7 %	68.2 %	25.1 %	63.0 %	43.0 %	0.0 %	7.5 %	46.7 %	96.0 %	60.4 %	57.6 %	32.0 %	46.6 %
1989 r	31.9 %	23.8 %	34.2 %	17.1 %	66.7 %	23.3 %	61.8 %	40.8 %	0.0 %	7.5 %	49.3 %	96.7 %	63.0 %	79.5 %	27.2 %	47.0 %
1990 r	29.4 %	21.9 %	27.8 %	13.6 %	58.5 %	37.8 %	60.5 %	46.0 %	0.0 %	3.9 %	44.1 %	96.4 %	57.4 %	78.1 %	27.7 %	45.0 %
1991 r	24.7 %	19.9 %	27.8 %	10.1 %	63.4 %	37.1 %	61.3 %	51.4 %	0.0 %	0.0 %	42.7 %	96.2 %	59.5 %	94.2 %	30.4 %	46.2 %
1992 r	22.3 %	18.8 %	24.0 %	26.2 %	65.6 %	23.8 %	60.3 %	53.0 %	79.8 %	11.9 %	45.2 %	95.8 %	50.5 %	83.4 %	28.9 %	46.3 %
1993 r	21.5 %	17.4 %	24.2 %	34.1 %	65.0 %	24.8 %	58.6 %	58.7 %	81.8 %	11.5 %	47.5 %	39.6 %	34.5 %	89.4 %	29.2 %	46.8 %
1994 r	26.3 %	27.9 %	23.2 %	18.6 %	62.3 %	26.6 %	62.8 %	55.7 %	72.3 %	2.0 %	51.9 %	19.3 %	33.0 %	90.1 %	19.3 %	47.1 %
1995	28.3 %	34.3 %	23.4 %	19.5 %	62.6 %	23.8 %	61.8 %	54.8 %	51.1 %	3.4 %	54.2 %	33.3 %	30.8 %	62.9 %	24.0 %	45.9 %

## EU-built Aircraft - Distribution among Member States

Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Value
1986 r	2.2 %	0.0 %	12.0 %	1.2 %	2.5 %	0.6 %	30.1 %	20.4 %	0.0 %	0.6 %	22.5 %	0.9 %	3.8 %	0.0 %	3.2 %	918
1987 r	2.3 %	0.0 %	11.3 %	1.0 %	5.6 %	0.9 %	30.9 %	18.2 %	0.0 %	0.5 %	21.9 %	2.3 %	3.5 %	0.0 %	1.7 %	863
1988 r	3.6 %	0.4 %	10.6 %	0.8 %	6.2 %	0.7 %	32.1 %	18.3 %	0.0 %	0.3 %	19.4 %	1.5 %	3.0 %	0.4 %	2.8 %	1,107
1989 r	2.8 %	1.3 %	8.7 %	0.8 %	5.4 %	0.6 %	34.0 %	16.0 %	0.0 %	0.2 %	22.4 %	1.6 %	3.2 %	1.0 %	2.1 %	1,434
1990 r	2.8 %	1.0 %	7.8 %	0.6 %	4.7 %	1.0 %	36.5 %	19.8 %	0.0 %	0.2 %	18.8 %	1.3 %	2.9 %	0.7 %	1.9 %	1,580
1991 r	2.4 %	0.7 %	8.2 %	0.4 %	5.7 %	0.9 %	35.5 %	22.4 %	0.0 %	0.0 %	16.8 %	1.1 %	2.5 %	1.5 %	1.9 %	1,842
1992 r	2.1 %	0.7 %	7.9 %	1.2 %	6.9 %	0.5 %	34.4 %	21.7 %	0.9 %	0.3 %	17.0 %	1.1 %	2.0 %	1.5 %	1.9 %	1,848
1993 r	1.8 %	0.6 %	8.6 %	2.1 %	7.3 %	0.4 %	30.6 %	25.2 %	1.0 %	0.3 %	16.1 %	0.2 %	1.8 %	2.3 %	1.7 %	2,115
1994 r	1.8 %	0.9 %	9.7 %	1.3 %	6.8 %	0.4 %	36.0 %	23.5 %	1.0 %	0.0 %	14.2 %	0.0 %	1.2 %	2.3 %	1.1 %	2,126
1995	2.0 %	1.5 %	10.5 %	1.5 %	6.7 %	0.4 %	32.2 %	24.6 %	1.0 %	0.0 %	14.9 %	0.0 %	1.4 %	1.7 %	1.6 %	1,866

r. Revised

Source: IFA

TABLE 3.8

## WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: V.I.P. Jets

(Units at Year-end)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Units
1986 r	5.2%	3.0%	50.7%	5.2%	0.7%	11.2%	23.1%	0.7%	134
1987 r	5.8%	2.2%	46.7%	5.1%	0.7%	12.4%	24.8%	2.2%	137
1988 r	4.6%	2.3%	50.4%	4.6%	0.8%	10.7%	25.2%	1.5%	131
1989 r	3.8%	3.1%	50.4%	4.6%	0.8%	9.9%	25.2%	2.3%	131
1990 r	5.3%	3.0%	49.6%	3.8%	0.8%	10.5%	25.6%	1.5%	133
1991 r	5.1%	2.9%	47.8%	3.7%	0.7%	10.3%	27.2%	2.2%	136
1992 r	4.9%	2.8%	44.8%	4.2%	0.7%	9.8%	29.4%	3.5%	143
1993 r	4.3%	3.7%	44.7%	4.3%	0.6%	9.3%	29.2%	3.7%	161
1994 r	6.0%	6.6%	38.9%	3.0%	0.6%	9.0%	32.9%	3.0%	167
1995	6.5%	5.9%	38.2%	2.9%	1.2%	9.4%	32.9%	2.9%	170

## EU-built Aircraft - Market Share in Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	0.0%	25.0%	1.5%	0.0%	0.0%	20.0%	0.0%	0.0%	3.7%
1987 r	12.5%	0.0%	1.6%	0.0%	0.0%	17.6%	5.9%	0.0%	5.1%
1988 r	16.7%	0.0%	1.5%	0.0%	0.0%	0.0%	6.1%	0.0%	3.1%
1989 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%	1.5%
1990 r	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	5.9%	0.0%	1.5%
1991 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%	0.0%	1.5%
1992 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	1.4%
1993 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.0%	0.0%	3.1%
1994 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.5%	0.0%	4.8%
1995	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	14.3%	0.0%	5.3%

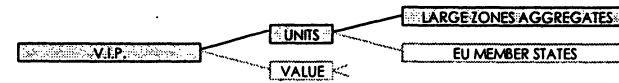
## EU-built Aircraft - Distribution among Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Units
1986 r	0.0%	20.0%	20.0%	0.0%	0.0%	60.0%	0.0%	0.0%	5
1987 r	14.3%	0.0%	14.3%	0.0%	0.0%	42.9%	28.6%	0.0%	7
1988 r	25.0%	0.0%	25.0%	0.0%	0.0%	0.0%	50.0%	0.0%	4
1989 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	2
1990 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	2
1991 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	2
1992 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	2
1993 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	5
1994 r	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	8
1995	0.0%	0.0%	0.0%	0.0%	0.0%	11.1%	88.9%	0.0%	9

r Revised

Source: IFA

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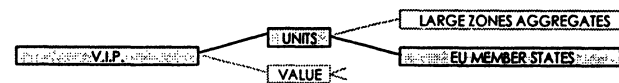


Top section: The world total fleet of V.I.P. jets in 1995 is 170 units. The part of the fleet that is registered within the EU represents 6.5 % of this volume.

Middle section: The overall share of EU built V.I.P. jets represents 5.3 % of the world fleet in this category in 1995. In the EU fleet of V.I.P. jets, none are EU built (0.0 %).

Bottom section: The total number of EU built V.I.P. jets is 9 units in 1995, 88.9 % of which are registered in Asia, 11.1 % in Africa.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.



TABLE 3.9

## EU BUSINESS AIRCRAFT FLEET

Aircraft Category: V.I.P. Jets

(Units at Year-end)

Member State Breakdown in % of EU 15 Total																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Units
1986 r	14.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	85.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7
1987 r	12.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	12.5 %	75.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	8
1988 r	16.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	16.7 %	66.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	6
1989 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	80.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5
1990 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	14.3 %	85.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7
1991 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	42.9 %	57.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7
1992 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	57.1 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7
1993 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.6 %	57.1 %	14.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7
1994 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	30.0 %	50.0 %	10.0 %	0.0 %	0.0 %	0.0 %	10.0 %	0.0 %	0.0 %	10
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	27.3 %	54.5 %	9.1 %	0.0 %	0.0 %	0.0 %	9.1 %	0.0 %	0.0 %	11
EU-built Aircraft - Market Share in Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	0.0 %	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	0.0 %
1987 r	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	12.5 %
1988 r	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	16.7 %
1989 r	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1990 r	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1991 r	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1992 r	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	-	-	-	0.0 %
1993 r	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	-	-	-	0.0 %
1994 r	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	0.0 %	-	-	0.0 %
1995	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	0.0 %	-	-	0.0 %
EU-built Aircraft - Distribution among Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Units
1986 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1987 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1
1988 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1
1989 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1990 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1991 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1992 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1993 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1994 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

r Revised

Source: IFA

TABLE 3.10

## WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: V.I.P. Jets

Values at Year-end (Million ECU)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Values
1986 r	4.6 %	2.8 %	45.9 %	5.8 %	1.2 %	7.7 %	31.2 %	0.7 %	565
1987 r	4.2 %	2.2 %	36.3 %	5.0 %	1.0 %	7.2 %	42.4 %	1.8 %	568
1988 r	3.3 %	2.1 %	37.8 %	4.2 %	0.9 %	6.4 %	44.1 %	1.2 %	505
1989 r	2.8 %	2.5 %	37.0 %	4.0 %	0.9 %	5.9 %	45.1 %	1.7 %	598
1990 r	3.5 %	2.4 %	35.5 %	3.3 %	0.9 %	6.3 %	47.2 %	1.0 %	554
1991 r	3.3 %	2.2 %	33.4 %	3.0 %	0.8 %	5.8 %	50.4 %	1.2 %	593
1992 r	2.9 %	1.8 %	28.4 %	3.3 %	0.7 %	5.0 %	55.5 %	2.4 %	642
1993 r	1.6 %	4.0 %	20.3 %	1.8 %	0.3 %	2.7 %	67.5 %	1.6 %	1,508
1994 r	1.8 %	3.9 %	18.3 %	1.2 %	0.3 %	2.1 %	71.3 %	1.2 %	1,804
1995	1.7 %	3.2 %	17.9 %	1.0 %	0.5 %	6.4 %	68.2 %	1.1 %	1,898

## EU-built Aircraft - Market Share in Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	0.0 %	10.8 %	0.7 %	0.0 %	0.0 %	11.9 %	0.0 %	0.0 %	1.5 %
1987 r	6.4 %	0.0 %	0.7 %	0.0 %	0.0 %	11.2 %	36.9 %	0.0 %	17.0 %
1988 r	8.6 %	0.0 %	0.8 %	0.0 %	0.0 %	0.0 %	39.4 %	0.0 %	18.0 %
1989 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	35.0 %	0.0 %	15.8 %
1990 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	31.7 %	0.0 %	15.0 %
1991 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.7 %	0.0 %	14.5 %
1992 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	23.3 %	0.0 %	13.0 %
1993 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	33.6 %	0.0 %	22.7 %
1994 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	41.7 %	0.0 %	29.7 %
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	72.0 %	37.4 %	0.0 %	30.1 %

## EU-built Aircraft - Distribution among Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Value
1986 r	0.0 %	20.0 %	20.0 %	0.0 %	0.0 %	60.0 %	0.0 %	0.0 %	9
1987 r	1.6 %	0.0 %	1.6 %	0.0 %	0.0 %	4.7 %	92.1 %	0.0 %	97
1988 r	1.6 %	0.0 %	1.6 %	0.0 %	0.0 %	0.0 %	96.8 %	0.0 %	91
1989 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	94
1990 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	83
1991 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	86
1992 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	83
1993 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	342
1994 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	536
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15.4 %	84.6 %	0.0 %	572

r Revised

Source: IFA

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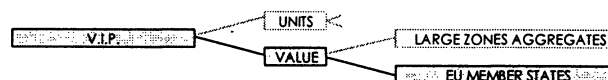


Top section: The total value of the world's fleet of V.I.P. jets in 1995 is 1,898 Mio. ECU. The part of the fleet that is registered within the EU represents 1.7 % of this value.

Middle section: The overall share of EU built V.I.P. jets represents 30.1 % of the world fleet's value in 1995. EU built V.I.P. jets are not represented in the EU zone (0.0 %).

Bottom section: The total value of EU built V.I.P. jets is 572 Mio. ECU in 1995, with 84.6 % representing aircraft registered in Asia.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.

TABLE 3.11

**EU BUSINESS AIRCRAFT FLEET**

**Aircraft Category: V.I.P. Jets**

**Values at Year-end (Million ECU)**

<i>Member State Breakdown in % of EU 15 Total</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Values
1986 r	9.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	90.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	26
1987 r	8.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	6.4 %	85.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	24
1988 r	10.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	8.6 %	80.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	17
1989 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	20.2 %	79.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	17
1990 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15.1 %	84.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	19
1991 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	46.1 %	53.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	19
1992 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	58.3 %	27.1 %	14.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	18
1993 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	24.1 %	63.8 %	12.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	25
1994 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	31.5 %	51.5 %	8.5 %	0.0 %	0.0 %	0.0 %	8.5 %	0.0 %	0.0 %	33
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	29.5 %	55.4 %	7.5 %	0.0 %	0.0 %	0.0 %	7.5 %	0.0 %	0.0 %	32

<i>EU-built Aircraft - Market Share in Member States</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	0.0 %	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	0.0 %
1987 r	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	6.4 %
1988 r	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	8.6 %
1989 r	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1990 r	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1991 r	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1992 r	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	-	-	-	0.0 %
1993 r	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	-	-	-	0.0 %
1994 r	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	0.0 %	-	-	0.0 %
1995	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	-	0.0 %	-	-	0.0 %

<i>EU-built Aircraft - Distribution among Member States</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Value
1986 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1987 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2
1988 r	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1
1989 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1990 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1991 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1992 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1993 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1994 r	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

r Revised

Source: IFA

TABLE 3.12

## WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: Jets other than V.I.P.

(Units at Year-end)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Units
1986 r	7.9 %	1.6 %	77.8 %	3.2 %	3.2 %	2.1 %	3.2 %	1.1 %	5,856
1987 r	9.0 %	1.5 %	76.2 %	3.3 %	3.6 %	2.2 %	3.0 %	1.3 %	6,054
1988 r	10.1 %	1.9 %	73.7 %	3.7 %	4.0 %	2.3 %	2.9 %	1.4 %	6,256
1989 r	10.8 %	2.0 %	71.9 %	4.2 %	4.5 %	2.3 %	2.9 %	1.3 %	6,483
1990 r	12.2 %	2.0 %	69.5 %	4.6 %	5.1 %	2.4 %	2.9 %	1.2 %	5,786
1991 r	12.7 %	2.1 %	67.9 %	5.1 %	5.5 %	2.4 %	3.1 %	1.1 %	6,935
1992 r	12.6 %	2.2 %	66.5 %	6.2 %	5.9 %	2.5 %	3.1 %	1.1 %	7,178
1993 r	11.7 %	2.2 %	66.7 %	6.5 %	6.2 %	2.6 %	3.1 %	1.0 %	7,437
1994 r	11.4 %	2.3 %	67.0 %	6.4 %	6.5 %	2.3 %	3.4 %	0.8 %	8,108
1995	10.7 %	2.5 %	68.6 %	5.4 %	6.4 %	2.2 %	3.5 %	0.8 %	8,356

## EU-built Aircraft - Market Share in Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	50.1 %	30.8 %	21.2 %	21.6 %	7.6 %	54.4 %	37.8 %	33.9 %	24.6 %
1987 r	47.9 %	35.6 %	21.5 %	20.7 %	7.9 %	52.6 %	39.1 %	40.8 %	25.0 %
1988 r	47.2 %	36.2 %	21.8 %	18.6 %	6.7 %	49.3 %	36.3 %	37.9 %	25.2 %
1989 r	47.8 %	35.2 %	21.8 %	15.8 %	7.5 %	47.3 %	37.2 %	33.7 %	25.1 %
1990 r	47.8 %	33.3 %	21.6 %	14.3 %	8.1 %	42.6 %	38.2 %	31.3 %	25.1 %
1991 r	47.8 %	35.8 %	21.4 %	16.1 %	9.1 %	41.1 %	36.7 %	26.0 %	25.1 %
1992 r	46.5 %	34.0 %	21.2 %	18.1 %	10.6 %	41.7 %	36.8 %	25.0 %	24.9 %
1993 r	48.0 %	28.4 %	20.9 %	19.4 %	11.3 %	44.0 %	36.9 %	28.0 %	24.7 %
1994 r	53.0 %	36.2 %	20.8 %	20.3 %	19.0 %	41.8 %	36.5 %	21.5 %	25.7 %
1995	51.2 %	40.0 %	21.0 %	20.6 %	19.2 %	40.1 %	35.8 %	23.5 %	25.5 %

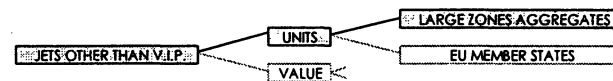
## EU-built Aircraft - Distribution among Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Units
1986 r	16.2 %	1.9 %	67.1 %	2.8 %	1.0 %	4.7 %	4.9 %	1.5 %	1,441
1987 r	17.2 %	2.1 %	65.5 %	2.7 %	1.1 %	4.6 %	4.8 %	2.0 %	1,515
1988 r	19.0 %	2.7 %	63.7 %	2.7 %	1.1 %	4.6 %	4.1 %	2.1 %	1,575
1989 r	20.6 %	2.8 %	62.2 %	2.6 %	1.3 %	4.3 %	4.4 %	1.8 %	1,630
1990 r	23.2 %	2.7 %	59.8 %	2.6 %	1.6 %	4.0 %	4.5 %	1.5 %	1,706
1991 r	24.2 %	3.0 %	57.8 %	3.3 %	2.0 %	3.9 %	4.6 %	1.2 %	1,739
1992 r	23.5 %	3.0 %	56.7 %	4.5 %	2.5 %	4.2 %	4.5 %	1.1 %	1,788
1993 r	22.7 %	2.5 %	56.5 %	5.1 %	2.8 %	4.6 %	4.7 %	1.1 %	1,838
1994 r	23.5 %	3.4 %	54.1 %	5.0 %	4.8 %	3.7 %	4.8 %	0.7 %	2,087
1995	21.4 %	3.8 %	56.6 %	4.4 %	4.8 %	3.4 %	4.9 %	0.7 %	2,134

r Revised

Source: IFA

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Top section: The world total fleet of jets (other than V.I.P.s) in 1995 is 8,356 units. 10.7 % of those are registered within the EU.

Middle section: The overall share of EU built jets represents 25.5 % of the world fleet in this category in 1995. In the EU fleet of jets, 51.2 % are EU built.

Bottom section: The total number of EU built jets is 2,134 units in 1995, 21.4 % of them registered in the EU, 56.6 % in North America, etc.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.

TABLE 3.13

**EU BUSINESS AIRCRAFT FLEET**  
**Aircraft Category: Jets other than V.I.P.**  
**(Units at Year-end)**

<i>Member State Breakdown in % of EU 15 Total</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Units
1986 r	3.0 %	1.1 %	14.0 %	3.2 %	3.7 %	1.5 %	21.9 %	21.3 %	0.2 %	1.7 %	20.4 %	0.2 %	3.2 %	0.0 %	4.5 %	465
1987 r	4.8 %	1.5 %	14.0 %	2.9 %	5.0 %	1.8 %	20.1 %	20.4 %	0.0 %	1.7 %	21.9 %	0.4 %	1.8 %	0.0 %	3.7 %	543
1988 r	4.4 %	1.4 %	12.2 %	2.8 %	5.2 %	1.9 %	20.1 %	22.1 %	0.0 %	1.4 %	21.8 %	0.2 %	2.1 %	0.3 %	4.1 %	633
1989 r	4.6 %	1.6 %	11.0 %	2.8 %	5.4 %	1.6 %	21.1 %	20.1 %	0.0 %	1.3 %	23.5 %	0.3 %	2.1 %	0.6 %	4.3 %	703
1990 r	5.1 %	1.6 %	11.7 %	2.5 %	4.7 %	1.6 %	23.1 %	19.5 %	0.0 %	1.7 %	22.0 %	0.2 %	2.3 %	0.5 %	3.5 %	827
1991 r	5.6 %	1.6 %	12.4 %	2.5 %	5.1 %	1.5 %	22.5 %	20.1 %	0.0 %	1.2 %	21.0 %	0.2 %	2.3 %	0.6 %	3.5 %	881
1992 r	5.3 %	1.9 %	13.5 %	2.5 %	5.4 %	1.3 %	22.2 %	19.7 %	0.1 %	0.8 %	20.6 %	0.2 %	2.0 %	0.9 %	3.6 %	905
1993 r	5.3 %	1.7 %	14.4 %	2.9 %	5.5 %	1.3 %	22.5 %	20.0 %	0.2 %	0.8 %	18.4 %	0.2 %	2.4 %	1.0 %	3.2 %	868
1994 r	4.2 %	1.5 %	14.5 %	2.9 %	5.5 %	1.1 %	30.2 %	20.0 %	0.2 %	0.3 %	13.9 %	0.0 %	1.7 %	1.1 %	2.9 %	927
1995	4.2 %	2.0 %	15.4 %	3.3 %	5.2 %	1.1 %	28.3 %	20.5 %	0.6 %	0.4 %	12.9 %	0.0 %	2.0 %	1.0 %	3.1 %	891
<i>EU-built Aircraft - Market Share in Member States</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	21.4 %	0.0 %	30.8 %	26.7 %	52.9 %	14.3 %	74.5 %	65.7 %	0.0 %	37.5 %	42.1 %	100.0 %	40.0 %	-	23.8 %	50.1 %
1987 r	15.4 %	0.0 %	28.9 %	31.3 %	66.7 %	20.0 %	77.1 %	61.3 %	-	33.3 %	36.1 %	100.0 %	50.0 %	-	20.0 %	47.9 %
1988 r	21.4 %	11.1 %	33.8 %	27.8 %	72.7 %	16.7 %	77.2 %	56.4 %	-	11.1 %	29.7 %	100.0 %	46.2 %	50.0 %	30.8 %	47.2 %
1989 r	18.8 %	27.3 %	32.5 %	25.0 %	68.4 %	18.2 %	81.1 %	55.3 %	-	11.1 %	30.3 %	100.0 %	46.7 %	75.0 %	26.7 %	47.8 %
1990 r	21.4 %	23.1 %	27.8 %	19.0 %	69.2 %	30.8 %	80.1 %	58.4 %	-	7.1 %	27.5 %	100.0 %	42.1 %	75.0 %	34.5 %	47.8 %
1991 r	18.4 %	21.4 %	27.5 %	18.2 %	66.7 %	30.8 %	82.3 %	58.8 %	-	0.0 %	25.4 %	100.0 %	45.0 %	100.0 %	35.5 %	47.8 %
1992 r	16.7 %	17.6 %	23.8 %	21.7 %	65.3 %	25.0 %	79.6 %	57.9 %	100.0 %	14.3 %	26.3 %	100.0 %	38.9 %	62.5 %	39.4 %	46.5 %
1993 r	15.2 %	13.3 %	24.0 %	20.0 %	62.5 %	27.3 %	77.9 %	63.8 %	100.0 %	14.3 %	29.4 %	50.0 %	33.3 %	77.8 %	42.9 %	48.0 %
1994 r	17.9 %	28.6 %	23.9 %	18.5 %	56.9 %	30.0 %	83.2 %	61.6 %	100.0 %	33.3 %	31.8 %	-	18.8 %	80.0 %	33.3 %	53.0 %
1995	21.6 %	22.2 %	18.2 %	20.7 %	58.7 %	30.0 %	85.3 %	59.6 %	40.0 %	25.0 %	33.0 %	-	22.2 %	44.4 %	35.7 %	51.2 %
<i>EU-built Aircraft - Distribution among Member States</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Units
1986 r	1.3 %	0.0 %	8.6 %	1.7 %	3.9 %	0.4 %	32.6 %	27.9 %	0.0 %	1.3 %	17.2 %	0.4 %	2.6 %	0.0 %	2.1 %	233
1987 r	1.5 %	0.0 %	8.5 %	1.9 %	6.9 %	0.8 %	32.3 %	26.2 %	0.0 %	1.2 %	16.5 %	0.8 %	1.9 %	0.0 %	1.5 %	260
1988 r	2.0 %	0.3 %	8.7 %	1.7 %	8.0 %	0.7 %	32.8 %	26.4 %	0.0 %	0.3 %	13.7 %	0.3 %	2.0 %	0.3 %	2.7 %	299
1989 r	1.8 %	0.9 %	7.4 %	1.5 %	7.7 %	0.6 %	35.7 %	23.2 %	0.0 %	0.3 %	14.9 %	0.6 %	2.1 %	0.9 %	2.4 %	336
1990 r	2.3 %	0.8 %	6.8 %	1.0 %	6.8 %	1.0 %	38.7 %	23.8 %	0.0 %	0.3 %	12.7 %	0.5 %	2.0 %	0.8 %	2.5 %	395
1991 r	2.1 %	0.7 %	7.1 %	1.0 %	7.1 %	1.0 %	38.7 %	24.7 %	0.0 %	0.0 %	11.2 %	0.5 %	2.1 %	1.2 %	2.6 %	421
1992 r	1.9 %	0.7 %	6.9 %	1.2 %	7.6 %	0.7 %	38.0 %	24.5 %	0.2 %	0.2 %	11.6 %	0.5 %	1.7 %	1.2 %	3.1 %	421
1993 r	1.7 %	0.5 %	7.2 %	1.2 %	7.2 %	0.7 %	36.5 %	26.6 %	0.5 %	0.2 %	11.3 %	0.2 %	1.7 %	1.7 %	2.9 %	417
1994 r	1.4 %	0.8 %	6.5 %	1.0 %	5.9 %	0.6 %	47.5 %	23.2 %	0.4 %	0.2 %	8.4 %	0.0 %	0.6 %	1.6 %	1.8 %	491
1995	1.8 %	0.9 %	5.5 %	1.3 %	5.9 %	0.7 %	47.1 %	23.9 %	0.4 %	0.2 %	8.3 %	0.0 %	0.9 %	0.9 %	2.2 %	456

r Revised

Source: IFA

TABLE 3.14

## WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: Jets other than V.I.P.

Values at Year-end (Million ECU)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Values
1986 r	7.5 %	2.1 %	76.7 %	2.1 %	2.2 %	2.8 %	5.3 %	1.2 %	18,361
1987 r	8.3 %	2.1 %	76.0 %	2.0 %	2.4 %	2.8 %	5.0 %	1.5 %	16,623
1988 r	9.8 %	2.9 %	73.6 %	2.2 %	2.4 %	2.9 %	4.6 %	1.6 %	17,799
1989 r	10.5 %	3.1 %	71.7 %	2.4 %	2.7 %	2.8 %	5.1 %	1.8 %	21,687
1990 r	12.3 %	2.9 %	69.4 %	2.5 %	3.3 %	3.0 %	5.0 %	1.5 %	21,829
1991 r	13.4 %	3.0 %	67.6 %	2.8 %	3.7 %	2.9 %	5.3 %	1.3 %	23,332
1992 r	12.8 %	3.0 %	66.8 %	3.7 %	4.1 %	3.2 %	5.1 %	1.2 %	24,410
1993 r	12.1 %	3.1 %	66.8 %	4.1 %	4.3 %	3.2 %	5.2 %	1.1 %	28,874
1994 r	11.3 %	3.5 %	67.8 %	4.4 %	4.2 %	2.8 %	5.1 %	0.9 %	30,820
1995	10.4 %	3.4 %	69.4 %	3.8 %	4.2 %	2.6 %	5.2 %	1.0 %	30,243

## EU-built Aircraft - Market Share in Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	63.4 %	39.5 %	29.1 %	35.1 %	10.3 %	47.6 %	33.7 %	49.0 %	32.6 %
1987 r	60.1 %	50.0 %	29.8 %	33.9 %	12.2 %	49.3 %	35.0 %	56.0 %	33.6 %
1988 r	61.4 %	48.5 %	31.5 %	29.4 %	11.4 %	46.9 %	32.9 %	54.5 %	35.3 %
1989 r	61.1 %	44.3 %	30.1 %	26.3 %	13.2 %	48.7 %	34.7 %	57.2 %	34.5 %
1990 r	57.5 %	44.5 %	29.3 %	21.9 %	16.4 %	46.9 %	33.7 %	55.0 %	34.0 %
1991 r	57.5 %	45.3 %	29.2 %	24.6 %	18.7 %	49.7 %	33.3 %	47.8 %	34.3 %
1992 r	57.9 %	40.0 %	28.2 %	29.6 %	19.4 %	49.1 %	37.7 %	46.3 %	33.4 %
1993 r	57.6 %	33.9 %	27.1 %	28.7 %	19.2 %	50.0 %	37.9 %	47.8 %	32.3 %
1994 r	56.9 %	40.3 %	26.3 %	29.9 %	19.6 %	44.9 %	37.5 %	42.7 %	31.4 %
1995	55.2 %	42.1 %	26.4 %	29.3 %	19.2 %	44.0 %	37.5 %	41.6 %	30.9 %

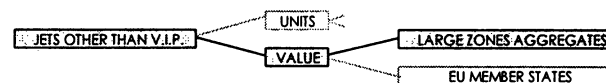
## EU-built Aircraft - Distribution among Geographical Zones

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Value
1986 r	14.6 %	2.5 %	68.5 %	2.3 %	0.7 %	4.1 %	5.5 %	1.8 %	5,982
1987 r	14.8 %	3.1 %	67.4 %	2.1 %	0.9 %	4.1 %	5.2 %	2.5 %	5,580
1988 r	17.0 %	4.0 %	65.8 %	1.8 %	0.8 %	3.8 %	4.3 %	2.5 %	6,281
1989 r	18.7 %	3.9 %	62.5 %	1.8 %	1.0 %	4.0 %	5.1 %	2.9 %	7,484
1990 r	20.8 %	3.8 %	59.8 %	1.6 %	1.6 %	4.1 %	5.7 %	2.5 %	7,425
1991 r	22.4 %	3.9 %	57.6 %	2.0 %	2.0 %	4.3 %	5.9 %	1.8 %	7,992
1992 r	22.2 %	3.6 %	56.4 %	3.3 %	2.4 %	4.7 %	5.8 %	1.7 %	8,158
1993 r	21.7 %	3.2 %	56.2 %	3.6 %	2.6 %	5.0 %	6.1 %	1.7 %	9,320
1994 r	20.5 %	4.4 %	56.8 %	4.2 %	2.6 %	4.0 %	6.1 %	1.3 %	9,675
1995	18.6 %	4.7 %	59.3 %	3.6 %	2.6 %	3.7 %	6.3 %	1.3 %	9,357

r Revised

Source: IFA

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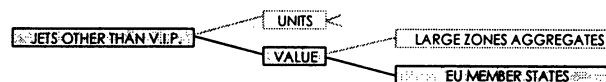


Top section: The total value of the world's fleet of small jets in 1995 is 30,243 Mio. ECU. The part of the fleet that is registered within the EU represents 10.4 % of this value.

Middle section: The overall share of EU built small jets represents 30.9 % of the world fleet's value in 1995. EU built jets account for 55.2 % of the EU fleet in this category.

Bottom section: The total value of EU built jets is 9,357 Mio. ECU in 1995, with 18.6 % of this value representing aircraft registered in the EU, 59.3 % registered in North America, etc.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.

TABLE 3.15

**EU BUSINESS AIRCRAFT FLEET**  
**Aircraft Category: Jets other than V.I.P.**  
**Values at Year-end (Million ECU)**

<i>Member State Breakdown in % of EU 15 Total</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Values
1986 r	3.2 %	0.6 %	13.2 %	2.7 %	3.0 %	1.4 %	24.8 %	18.8 %	0.2 %	1.2 %	23.0 %	0.6 %	3.5 %	0.0 %	3.8 %	1,374
1987 r	4.3 %	1.1 %	12.7 %	2.0 %	4.9 %	1.6 %	22.3 %	17.2 %	0.0 %	1.9 %	25.4 %	1.4 %	2.6 %	0.0 %	2.5 %	1,377
1988 r	4.5 %	1.4 %	10.7 %	1.7 %	5.0 %	1.3 %	23.3 %	19.1 %	0.0 %	2.1 %	24.0 %	0.9 %	2.5 %	0.4 %	3.2 %	1,737
1989 r	4.8 %	1.8 %	9.0 %	1.5 %	4.4 %	1.0 %	23.7 %	18.5 %	0.0 %	1.6 %	26.5 %	1.0 %	2.6 %	0.7 %	2.8 %	2,287
1990 r	5.0 %	1.5 %	10.1 %	1.5 %	3.9 %	1.1 %	24.5 %	20.2 %	0.0 %	2.6 %	23.6 %	0.7 %	2.3 %	0.5 %	2.5 %	2,692
1991 r	5.0 %	0.9 %	10.9 %	1.4 %	4.6 %	1.0 %	24.2 %	22.0 %	0.0 %	2.5 %	21.5 %	0.7 %	2.0 %	0.9 %	2.4 %	3,116
1992 r	4.9 %	1.0 %	12.4 %	1.8 %	5.3 %	0.7 %	23.7 %	20.9 %	0.5 %	1.6 %	21.0 %	0.6 %	1.7 %	1.0 %	2.8 %	3,127
1993 r	4.5 %	1.0 %	13.8 %	2.2 %	5.7 %	0.7 %	21.8 %	22.6 %	0.6 %	1.7 %	18.8 %	0.7 %	2.6 %	1.5 %	2.4 %	3,507
1994 r	3.5 %	1.0 %	16.1 %	3.2 %	5.5 %	0.6 %	25.6 %	22.4 %	0.6 %	0.8 %	14.9 %	0.0 %	1.6 %	1.5 %	2.7 %	3,494
1995	3.4 %	1.8 %	17.3 %	3.4 %	5.1 %	0.7 %	22.4 %	23.6 %	0.8 %	0.4 %	14.4 %	0.0 %	2.2 %	1.5 %	3.0 %	3,150
<i>EU-built Aircraft - Market Share in Member States</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	45.6 %	0.0 %	46.6 %	29.6 %	57.4 %	29.7 %	81.1 %	64.8 %	0.0 %	31.3 %	65.2 %	100.0 %	74.4 %	-	51.3 %	63.4 %
1987 r	32.7 %	0.0 %	45.3 %	31.0 %	71.3 %	35.5 %	86.2 %	60.9 %	-	15.0 %	54.1 %	100.0 %	84.1 %	-	36.1 %	60.1 %
1988 r	50.9 %	18.7 %	53.8 %	29.6 %	78.7 %	34.4 %	87.3 %	55.2 %	-	8.3 %	51.5 %	100.0 %	76.8 %	72.8 %	52.7 %	61.4 %
1989 r	36.6 %	43.5 %	51.6 %	25.6 %	76.6 %	34.5 %	89.9 %	50.8 %	-	8.4 %	53.1 %	100.0 %	79.3 %	88.6 %	43.1 %	61.1 %
1990 r	33.5 %	40.2 %	39.4 %	18.5 %	70.6 %	54.8 %	87.3 %	55.2 %	-	4.2 %	46.7 %	100.0 %	74.6 %	88.2 %	42.0 %	57.5 %
1991 r	27.6 %	44.5 %	38.9 %	16.7 %	73.2 %	53.7 %	85.5 %	58.4 %	-	0.0 %	44.8 %	100.0 %	75.9 %	100.0 %	43.0 %	57.5 %
1992 r	23.8 %	40.7 %	35.8 %	41.0 %	76.4 %	38.3 %	84.6 %	59.0 %	100.0 %	12.5 %	47.4 %	100.0 %	67.5 %	87.5 %	39.4 %	57.9 %
1993 r	23.2 %	37.4 %	35.7 %	38.4 %	74.7 %	38.9 %	82.2 %	64.7 %	100.0 %	12.2 %	47.6 %	44.4 %	41.3 %	92.7 %	42.5 %	57.6 %
1994 r	28.9 %	52.6 %	28.5 %	25.2 %	72.1 %	39.3 %	82.7 %	60.3 %	100.0 %	2.2 %	51.3 %	-	43.4 %	92.7 %	25.7 %	56.9 %
1995	31.4 %	49.6 %	28.7 %	26.3 %	75.0 %	36.9 %	82.4 %	58.6 %	67.3 %	4.8 %	53.4 %	-	36.0 %	64.8 %	31.5 %	55.2 %
<i>EU-built Aircraft - Distribution among Member States</i>																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Value
1986 r	2.3 %	0.0 %	9.7 %	1.2 %	2.7 %	0.7 %	31.7 %	19.2 %	0.0 %	0.6 %	23.7 %	1.0 %	4.1 %	0.0 %	3.0 %	871
1987 r	2.4 %	0.0 %	9.5 %	1.0 %	5.9 %	0.9 %	32.0 %	17.4 %	0.0 %	0.5 %	22.8 %	2.4 %	3.6 %	0.0 %	1.5 %	828
1988 r	3.7 %	0.4 %	9.4 %	0.8 %	6.4 %	0.7 %	33.2 %	17.1 %	0.0 %	0.3 %	20.1 %	1.5 %	3.1 %	0.4 %	2.8 %	1,066
1989 r	2.9 %	1.3 %	7.6 %	0.6 %	5.6 %	0.6 %	34.9 %	15.4 %	0.0 %	0.2 %	23.0 %	1.6 %	3.3 %	1.0 %	2.0 %	1,397
1990 r	2.9 %	1.0 %	6.9 %	0.5 %	4.8 %	1.0 %	37.3 %	19.4 %	0.0 %	0.2 %	19.2 %	1.3 %	3.0 %	0.8 %	1.8 %	1,548
1991 r	2.4 %	0.7 %	7.4 %	0.4 %	5.8 %	0.9 %	36.0 %	22.3 %	0.0 %	0.0 %	16.8 %	1.1 %	2.6 %	1.6 %	1.8 %	1,791
1992 r	2.0 %	0.7 %	7.6 %	1.3 %	7.0 %	0.5 %	34.6 %	21.3 %	0.9 %	0.4 %	17.2 %	1.1 %	2.0 %	1.5 %	1.9 %	1,810
1993 r	1.8 %	0.6 %	8.6 %	1.5 %	7.4 %	0.5 %	31.1 %	25.4 %	1.1 %	0.4 %	15.6 %	0.2 %	1.9 %	2.4 %	1.8 %	2,019
1994 r	1.8 %	0.9 %	8.0 %	1.4 %	7.0 %	0.4 %	37.3 %	23.8 %	1.0 %	0.0 %	13.5 %	0.0 %	1.2 %	2.4 %	1.2 %	1,987
1995	2.0 %	1.6 %	9.0 %	1.6 %	6.9 %	0.4 %	33.4 %	25.1 %	1.0 %	0.0 %	13.9 %	0.0 %	1.4 %	1.8 %	1.7 %	1,738

r Revised

Source: IFA

TABLE 3.16

**WORLD BUSINESS AIRCRAFT FLEET**

**Aircraft Category: Turboprops**

**(Units at Year-end)**

*Geographical Breakdown in % of World Total*

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Units
1986 r	7.0 %	1.4 %	76.1 %	2.4 %	6.6 %	2.9 %	2.2 %	1.4 %	7,637
1987 r	8.3 %	1.5 %	73.5 %	2.5 %	7.1 %	3.0 %	2.5 %	1.6 %	7,646
1988 r	9.3 %	1.5 %	70.9 %	2.6 %	7.9 %	3.2 %	2.6 %	2.0 %	7,716
1989 r	9.9 %	1.5 %	69.2 %	2.8 %	8.4 %	3.3 %	2.8 %	2.1 %	7,789
1990 r	10.9 %	1.5 %	66.8 %	2.8 %	9.6 %	3.5 %	2.9 %	2.0 %	7,945
1991 r	10.8 %	1.7 %	65.1 %	3.1 %	10.4 %	4.0 %	3.0 %	1.9 %	8,043
1992 r	10.9 %	1.8 %	63.6 %	3.4 %	11.1 %	4.2 %	3.1 %	1.9 %	8,128
1993 r	10.5 %	2.2 %	62.6 %	3.3 %	11.9 %	4.3 %	3.3 %	1.9 %	8,087
1994 r	10.0 %	1.8 %	62.6 %	3.5 %	12.5 %	4.3 %	3.5 %	1.8 %	8,118
1995	9.7 %	1.8 %	62.4 %	3.3 %	12.8 %	4.5 %	3.6 %	1.9 %	8,096

*EU-built Aircraft - Market Share in Geographical Zones*

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	3.4 %	0.9 %	0.2 %	1.6 %	0.4 %	5.8 %	5.3 %	1.0 %	0.8 %
1987 r	2.7 %	0.8 %	0.2 %	1.6 %	0.4 %	5.7 %	4.8 %	0.8 %	0.8 %
1988 r	2.9 %	0.8 %	0.3 %	1.5 %	0.3 %	5.3 %	5.0 %	0.6 %	0.9 %
1989 r	2.2 %	1.7 %	0.3 %	1.4 %	0.3 %	5.0 %	4.7 %	0.6 %	0.8 %
1990 r	2.0 %	2.5 %	0.2 %	1.3 %	0.3 %	4.6 %	4.3 %	0.6 %	0.8 %
1991 r	4.0 %	7.5 %	0.7 %	1.6 %	0.2 %	4.4 %	4.5 %	0.6 %	1.4 %
1992 r	3.8 %	13.3 %	1.1 %	1.1 %	0.3 %	3.8 %	6.7 %	0.7 %	1.8 %
1993 r	6.0 %	5.6 %	1.2 %	1.1 %	0.3 %	3.7 %	6.8 %	1.3 %	2.0 %
1994 r	8.9 %	3.4 %	1.4 %	1.1 %	0.6 %	5.4 %	8.2 %	1.4 %	2.5 %
1995	8.9 %	3.4 %	1.4 %	0.0 %	0.5 %	4.6 %	6.2 %	1.9 %	2.4 %

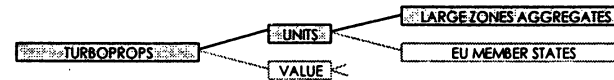
*EU-built Aircraft - Distribution among Geographical Zones*

Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Units
1986 r	29.5 %	1.6 %	23.0 %	4.9 %	3.3 %	21.3 %	14.8 %	1.6 %	61
1987 r	28.3 %	1.7 %	23.3 %	5.0 %	3.3 %	21.7 %	15.0 %	1.7 %	60
1988 r	31.3 %	1.5 %	23.9 %	4.5 %	3.0 %	19.4 %	14.9 %	1.5 %	67
1989 r	27.0 %	3.2 %	23.8 %	4.8 %	3.2 %	20.6 %	15.9 %	1.6 %	63
1990 r	27.4 %	4.8 %	21.0 %	4.8 %	3.2 %	21.0 %	16.1 %	1.6 %	62
1991 r	30.4 %	8.7 %	33.0 %	3.5 %	1.7 %	12.2 %	9.6 %	0.9 %	115
1992 r	23.3 %	13.7 %	37.7 %	2.1 %	2.1 %	8.9 %	11.6 %	0.7 %	146
1993 r	31.5 %	6.2 %	38.3 %	1.9 %	1.9 %	8.0 %	11.1 %	1.2 %	162
1994 r	35.5 %	2.5 %	36.0 %	1.5 %	3.0 %	9.4 %	11.3 %	1.0 %	203
1995	36.6 %	2.6 %	38.2 %	0.0 %	2.6 %	8.9 %	9.4 %	1.6 %	191

r Revised

Source: IFA

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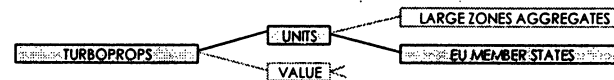


Top section: The world total fleet of turboprops in 1995 is 8,096 units. 9.7 % of those are registered within the EU.

Middle section: The overall share of EU built turboprops represents 2.4 % of the world fleet in this category in 1995. In the EU fleet of turboprops, 8.9 % are EU built.

Bottom section: The total number of EU built turboprops is 191 units in 1995, 36.6 % of them registered in the EU, 38.2 % in North America, etc.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.



TABLE 3.17

## EU BUSINESS AIRCRAFT FLEET

Aircraft Category: Turboprops

(Units at Year-end)

Member State Breakdown in % of EU 15 Total																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Units
1986 r	3.0 %	2.8 %	23.0 %	5.6 %	3.2 %	1.5 %	21.7 %	21.2 %	0.2 %	0.7 %	5.4 %	0.0 %	2.1 %	0.4 %	9.2 %	534
1987 r	2.7 %	2.1 %	22.4 %	6.5 %	3.3 %	1.7 %	22.9 %	19.7 %	0.2 %	0.6 %	7.9 %	0.0 %	1.9 %	0.5 %	7.6 %	633
1988 r	3.1 %	2.5 %	20.6 %	5.7 %	3.6 %	1.7 %	26.0 %	17.3 %	0.1 %	0.6 %	7.9 %	0.1 %	2.1 %	0.7 %	7.9 %	718
1989 r	2.7 %	2.5 %	19.8 %	4.3 %	3.8 %	1.8 %	32.5 %	14.5 %	0.1 %	0.5 %	7.4 %	0.1 %	2.1 %	0.6 %	7.3 %	772
1990 r	2.5 %	2.8 %	20.4 %	3.8 %	4.3 %	1.7 %	34.8 %	12.3 %	0.1 %	0.5 %	6.6 %	0.1 %	3.5 %	0.6 %	6.0 %	867
1991 r	2.8 %	2.9 %	22.7 %	3.8 %	4.1 %	1.7 %	34.6 %	10.6 %	0.1 %	0.6 %	7.2 %	0.1 %	2.8 %	0.6 %	5.4 %	869
1992 r	2.7 %	2.9 %	24.8 %	3.8 %	4.6 %	1.9 %	34.7 %	9.7 %	0.1 %	0.3 %	6.2 %	0.1 %	2.8 %	0.6 %	4.7 %	888
1993 r	2.6 %	2.8 %	26.2 %	4.6 %	5.0 %	1.8 %	34.5 %	8.7 %	0.1 %	0.4 %	6.1 %	0.1 %	2.0 %	0.6 %	4.6 %	852
1994 r	2.6 %	1.5 %	30.4 %	4.2 %	5.4 %	1.6 %	32.9 %	8.5 %	0.4 %	0.2 %	5.6 %	0.4 %	1.7 %	0.4 %	4.2 %	809
1995	2.6 %	1.5 %	31.4 %	4.6 %	5.9 %	1.7 %	31.3 %	8.0 %	0.5 %	0.4 %	5.6 %	0.3 %	1.7 %	0.4 %	4.3 %	784
EU-built Aircraft - Market Share in Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	0.0 %	0.0 %	7.3 %	0.0 %	0.0 %	0.0 %	0.0 %	7.1 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	2.0 %	3.4 %
1987 r	0.0 %	0.0 %	6.3 %	0.0 %	0.0 %	0.0 %	0.0 %	5.6 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	2.1 %	2.7 %
1988 r	0.0 %	0.0 %	6.1 %	0.0 %	0.0 %	0.0 %	0.0 %	8.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.8 %	2.9 %
1989 r	0.0 %	0.0 %	5.2 %	3.0 %	0.0 %	0.0 %	0.0 %	6.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.8 %	2.2 %
1990 r	0.0 %	0.0 %	4.5 %	3.0 %	0.0 %	0.0 %	0.0 %	6.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	2.0 %
1991 r	4.2 %	0.0 %	4.1 %	0.0 %	2.8 %	0.0 %	3.0 %	7.6 %	0.0 %	0.0 %	12.7 %	0.0 %	0.0 %	0.0 %	2.1 %	4.0 %
1992 r	12.5 %	0.0 %	1.8 %	0.0 %	2.4 %	0.0 %	3.6 %	11.6 %	0.0 %	0.0 %	9.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.8 %
1993 r	9.1 %	0.0 %	2.2 %	10.3 %	4.7 %	0.0 %	5.4 %	14.9 %	0.0 %	0.0 %	21.2 %	0.0 %	0.0 %	0.0 %	0.0 %	6.0 %
1994 r	9.5 %	0.0 %	7.3 %	0.0 %	4.5 %	0.0 %	6.0 %	26.1 %	0.0 %	0.0 %	28.9 %	33.3 %	14.3 %	0.0 %	0.0 %	8.9 %
1995	10.0 %	0.0 %	6.9 %	0.0 %	4.3 %	0.0 %	5.7 %	27.0 %	0.0 %	0.0 %	31.8 %	50.0 %	23.1 %	0.0 %	0.0 %	8.9 %
EU-built Aircraft - Distribution among Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Units
1986 r	0.0 %	0.0 %	50.0 %	0.0 %	0.0 %	0.0 %	0.0 %	44.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.6 %	18
1987 r	0.0 %	0.0 %	52.9 %	0.0 %	0.0 %	0.0 %	0.0 %	41.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.9 %	17
1988 r	0.0 %	0.0 %	42.9 %	0.0 %	0.0 %	0.0 %	0.0 %	52.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	4.8 %	21
1989 r	0.0 %	0.0 %	47.1 %	5.9 %	0.0 %	0.0 %	0.0 %	41.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.9 %	17
1990 r	0.0 %	0.0 %	47.1 %	5.9 %	0.0 %	0.0 %	0.0 %	41.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.9 %	17
1991 r	2.9 %	0.0 %	22.9 %	0.0 %	2.9 %	0.0 %	25.7 %	20.0 %	0.0 %	0.0 %	22.9 %	0.0 %	0.0 %	0.0 %	2.9 %	35
1992 r	8.8 %	0.0 %	11.8 %	0.0 %	2.9 %	0.0 %	32.4 %	29.4 %	0.0 %	0.0 %	14.7 %	0.0 %	0.0 %	0.0 %	0.0 %	34
1993 r	3.9 %	0.0 %	9.8 %	7.8 %	3.9 %	0.0 %	31.4 %	21.6 %	0.0 %	0.0 %	21.6 %	0.0 %	0.0 %	0.0 %	0.0 %	51
1994 r	2.8 %	0.0 %	25.0 %	0.0 %	2.8 %	0.0 %	22.2 %	25.0 %	0.0 %	0.0 %	18.1 %	1.4 %	2.8 %	0.0 %	0.0 %	72
1995	2.9 %	0.0 %	24.3 %	0.0 %	2.9 %	0.0 %	20.0 %	24.3 %	0.0 %	0.0 %	20.0 %	1.4 %	4.3 %	0.0 %	0.0 %	70

r Revised

Source: IFA

TABLE 3.18

## WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: Turboprops

Values at Year-end (Million ECU)

Geographical Breakdown in % of World Total									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	Total Values
1986 r	7.8 %	1.5 %	72.8 %	2.1 %	8.9 %	3.3 %	2.3 %	1.4 %	7,601
1987 r	9.1 %	1.7 %	69.9 %	2.1 %	9.6 %	3.5 %	2.6 %	1.6 %	6,426
1988 r	10.2 %	1.6 %	67.7 %	2.2 %	9.8 %	3.7 %	2.9 %	1.9 %	6,086
1989 r	10.9 %	1.6 %	65.5 %	2.4 %	10.5 %	4.0 %	3.0 %	2.1 %	6,883
1990 r	11.9 %	1.7 %	63.2 %	2.3 %	11.5 %	4.3 %	3.0 %	2.0 %	6,751
1991 r	11.8 %	2.0 %	61.9 %	2.5 %	11.9 %	4.8 %	3.1 %	2.0 %	7,204
1992 r	11.9 %	2.6 %	59.9 %	2.8 %	12.5 %	5.1 %	3.3 %	2.0 %	7,100
1993 r	11.7 %	2.6 %	59.6 %	2.7 %	12.7 %	5.2 %	3.6 %	2.0 %	8,425
1994 r	11.3 %	2.0 %	60.1 %	2.7 %	12.7 %	5.1 %	4.1 %	2.0 %	8,801
1995	11.0 %	1.9 %	59.9 %	2.6 %	12.9 %	5.4 %	4.3 %	2.0 %	8,028

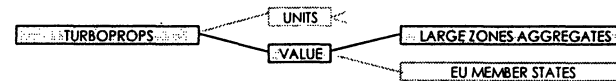
EU-built Aircraft - Market Share in Geographical Zones									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986 r	8.0 %	2.7 %	0.3 %	1.4 %	0.2 %	6.4 %	4.4 %	1.1 %	1.3 %
1987 r	5.7 %	2.0 %	0.3 %	1.3 %	0.2 %	5.4 %	3.4 %	0.8 %	1.1 %
1988 r	6.3 %	2.2 %	0.4 %	1.3 %	0.2 %	5.2 %	4.4 %	0.7 %	1.3 %
1989 r	5.0 %	4.1 %	0.4 %	0.9 %	0.1 %	4.7 %	3.8 %	0.7 %	1.2 %
1990 r	4.1 %	5.3 %	0.3 %	0.8 %	0.1 %	3.7 %	3.3 %	0.6 %	1.1 %
1991 r	6.0 %	14.5 %	1.1 %	1.0 %	0.1 %	3.3 %	3.2 %	0.6 %	2.0 %
1992 r	4.5 %	29.5 %	1.4 %	0.5 %	0.1 %	2.6 %	5.0 %	0.6 %	2.5 %
1993 r	9.7 %	10.7 %	1.6 %	0.4 %	0.1 %	2.8 %	5.5 %	1.4 %	2.7 %
1994 r	14.0 %	4.2 %	2.3 %	0.3 %	0.8 %	5.9 %	14.1 %	2.8 %	4.1 %
1995	14.6 %	4.1 %	2.3 %	0.0 %	0.7 %	5.2 %	11.0 %	3.3 %	4.0 %

EU-built Aircraft - Distribution among Geographical Zones									
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	EU-built Value
1986 r	48.4 %	3.1 %	19.2 %	2.3 %	1.6 %	16.6 %	7.7 %	1.1 %	98
1987 r	47.0 %	3.1 %	19.8 %	2.4 %	1.6 %	17.0 %	8.0 %	1.2 %	71
1988 r	48.2 %	2.6 %	21.1 %	2.0 %	1.3 %	14.3 %	9.3 %	1.0 %	82
1989 r	44.6 %	5.5 %	20.7 %	1.8 %	1.2 %	15.4 %	9.5 %	1.2 %	83
1990 r	44.6 %	8.4 %	19.2 %	1.6 %	1.1 %	14.9 %	9.0 %	1.2 %	73
1991 r	35.5 %	14.3 %	34.9 %	1.2 %	0.5 %	7.9 %	5.1 %	0.6 %	143
1992 r	21.5 %	30.5 %	34.4 %	0.5 %	0.7 %	5.4 %	6.6 %	0.5 %	177
1993 r	41.4 %	10.0 %	34.0 %	0.4 %	0.6 %	5.2 %	7.3 %	1.1 %	230
1994 r	38.7 %	2.0 %	33.5 %	0.2 %	2.4 %	7.4 %	14.3 %	1.4 %	358
1995	40.2 %	2.0 %	34.8 %	0.0 %	2.4 %	7.1 %	11.8 %	1.7 %	319

r Revised

Source: IFA

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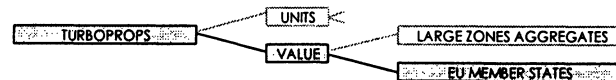


Top section: The total value of the world's fleet of turboprops in 1995 is 8,028 Mio. ECU. The part of the fleet that is registered within the EU represents 11.0 % of this value.

Middle section: The overall share of EU built turboprops represents 4.0 % of the world fleet's value in 1995. EU built turboprops account for 14.6 % of the EU fleet in this category.

Bottom section: The total value of EU built turboprops is 319 Mio. ECU in 1995, with 40.2 % of this value representing aircraft registered in the EU, 34.8 % registered in North America, etc.

(opposite page)



The above principles apply, except here only the EU part of the fleet is considered with a further breakdown by member states.

TABLE 3.19

## EU BUSINESS AIRCRAFT FLEET

Aircraft Category: Turboprops

Values at Year-end (Million ECU)

Member State Breakdown in % of EU 15 Total																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Total Values
1986 r	2.6 %	6.1 %	24.2 %	4.5 %	2.3 %	1.0 %	20.6 %	23.3 %	0.2 %	0.7 %	4.6 %	0.0 %	2.1 %	0.2 %	7.5 %	594
1987 r	2.2 %	5.0 %	23.3 %	6.0 %	2.0 %	1.3 %	21.8 %	22.2 %	0.2 %	0.7 %	6.9 %	0.0 %	2.0 %	0.2 %	6.3 %	587
1988 r	2.5 %	4.8 %	21.6 %	5.4 %	2.1 %	1.3 %	25.2 %	20.3 %	0.2 %	0.6 %	6.9 %	0.1 %	1.9 %	0.3 %	6.7 %	624
1989 r	2.1 %	4.6 %	21.4 %	4.1 %	2.0 %	1.5 %	32.4 %	16.6 %	0.2 %	0.6 %	6.1 %	0.1 %	2.0 %	0.2 %	6.1 %	751
1990 r	2.3 %	4.2 %	21.4 %	3.6 %	2.7 %	1.6 %	36.1 %	14.8 %	0.2 %	0.6 %	4.7 %	0.1 %	2.3 %	0.2 %	5.1 %	802
1991 r	2.6 %	4.2 %	23.5 %	3.3 %	2.8 %	1.6 %	35.8 %	12.7 %	0.2 %	0.4 %	6.0 %	0.1 %	2.0 %	0.2 %	4.5 %	849
1992 r	2.5 %	4.4 %	26.1 %	3.7 %	3.4 %	1.6 %	35.6 %	11.4 %	0.2 %	0.3 %	4.5 %	0.1 %	2.2 %	0.2 %	3.9 %	848
1993 r	2.3 %	4.0 %	26.9 %	5.4 %	3.8 %	1.4 %	33.9 %	10.2 %	0.2 %	0.4 %	5.6 %	0.1 %	1.8 %	0.2 %	3.9 %	984
1994 r	2.1 %	3.1 %	32.6 %	4.0 %	3.9 %	1.1 %	31.4 %	9.6 %	0.5 %	0.3 %	6.0 %	0.2 %	1.8 %	0.2 %	3.1 %	991
1995	2.3 %	2.9 %	33.4 %	4.2 %	4.4 %	1.3 %	29.4 %	8.6 %	0.7 %	0.5 %	6.8 %	0.2 %	1.8 %	0.2 %	3.4 %	879

EU-built Aircraft - Market Share in Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 15
1986 r	0.0 %	0.0 %	17.7 %	0.0 %	0.0 %	0.0 %	0.0 %	14.1 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	5.7 %	8.0 %
1987 r	0.0 %	0.0 %	13.6 %	0.0 %	0.0 %	0.0 %	0.0 %	9.8 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	5.3 %	5.7 %
1988 r	0.0 %	0.0 %	13.4 %	0.0 %	0.0 %	0.0 %	0.0 %	15.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	4.4 %	6.3 %
1989 r	0.0 %	0.0 %	11.7 %	7.2 %	0.0 %	0.0 %	0.0 %	11.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	4.7 %	5.0 %
1990 r	0.0 %	0.0 %	9.4 %	6.7 %	0.0 %	0.0 %	0.0 %	10.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	4.8 %	4.1 %
1991 r	4.3 %	0.0 %	8.9 %	0.0 %	4.1 %	0.0 %	2.9 %	11.6 %	0.0 %	0.0 %	15.6 %	0.0 %	0.0 %	0.0 %	5.3 %	6.0 %
1992 r	11.8 %	0.0 %	3.3 %	0.0 %	3.0 %	0.0 %	3.1 %	15.3 %	0.0 %	0.0 %	8.1 %	0.0 %	0.0 %	0.0 %	0.0 %	4.5 %
1993 r	9.2 %	0.0 %	3.2 %	27.8 %	12.6 %	0.0 %	5.7 %	20.8 %	0.0 %	0.0 %	46.0 %	0.0 %	0.0 %	0.0 %	0.0 %	9.7 %
1994 r	11.2 %	0.0 %	14.1 %	0.0 %	12.9 %	0.0 %	7.7 %	27.9 %	0.0 %	0.0 %	56.7 %	19.3 %	5.2 %	0.0 %	0.0 %	14.0 %
1995	11.4 %	0.0 %	13.5 %	0.0 %	11.6 %	0.0 %	7.9 %	30.3 %	0.0 %	0.0 %	60.4 %	33.3 %	13.1 %	0.0 %	0.0 %	14.6 %

EU-built Aircraft - Distribution among Member States																
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU-built Value
1986 r	0.0 %	0.0 %	53.5 %	0.0 %	0.0 %	0.0 %	0.0 %	41.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.3 %	48
1987 r	0.0 %	0.0 %	56.0 %	0.0 %	0.0 %	0.0 %	0.0 %	38.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.9 %	33
1988 r	0.0 %	0.0 %	45.6 %	0.0 %	0.0 %	0.0 %	0.0 %	49.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	4.7 %	40
1989 r	0.0 %	0.0 %	50.4 %	5.8 %	0.0 %	0.0 %	0.0 %	37.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.8 %	37
1990 r	0.0 %	0.0 %	49.9 %	6.0 %	0.0 %	0.0 %	0.0 %	38.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	6.0 %	33
1991 r	1.9 %	0.0 %	34.8 %	0.0 %	1.9 %	0.0 %	17.1 %	24.6 %	0.0 %	0.0 %	15.7 %	0.0 %	0.0 %	0.0 %	4.0 %	51
1992 r	6.7 %	0.0 %	19.4 %	0.0 %	2.2 %	0.0 %	24.5 %	39.1 %	0.0 %	0.0 %	8.1 %	0.0 %	0.0 %	0.0 %	0.0 %	38
1993 r	2.1 %	0.0 %	9.0 %	15.4 %	4.9 %	0.0 %	20.0 %	21.8 %	0.0 %	0.0 %	26.8 %	0.0 %	0.0 %	0.0 %	0.0 %	95
1994 r	1.7 %	0.0 %	33.0 %	0.0 %	3.6 %	0.0 %	17.3 %	19.1 %	0.0 %	0.0 %	24.3 %	0.3 %	0.7 %	0.0 %	0.0 %	139
1995	1.8 %	0.0 %	30.9 %	0.0 %	3.5 %	0.0 %	16.0 %	17.8 %	0.0 %	0.0 %	28.0 %	0.4 %	1.6 %	0.0 %	0.0 %	128

r Revised

Source: IFA

## JETS

<b>British Aerospace</b>	BAe 1000 • BAe 125-800
<b>Canadair, Bombardier Inc.</b>	CL 601 3R • Challenger 601-1A • Challenger 601-3A
<b>Cessna Aircraft (Textron)</b>	525 Citation Jet • 550 Citation II/SII • 560 Citation V • 650 Citation III/VI/VII
<b>Dassault Aviation</b>	Falcon 100 • Falcon 20/200 • Falcon 50 • Falcon 900 • Falcon 2000
<b>Gulfstream Aerospace</b>	Gulfstream III/IV
<b>Israel Aircraft Industries</b>	IAI 1125 Astra/SP, Westwind 1/2
<b>Learjet Inc. (Bombardier)</b>	Learjet 31/31A, 35A, 36/36A, 55/55B/55C, 60
<b>Raytheon Aircraft Company</b>	Beechjet 400/400A • Hawker 1000 • Hawker 800

## TURBOPROPS

<b>Agusta</b>	SF600 Canguro
<b>British Aerospace</b>	Jetstream 31, 41
<b>Cessna Aircraft (Textron)</b>	208 Caravan I • 208B Caravan IB • 425 Conquest I • 441 Conquest II
<b>Dornier</b>	DO 228, 328
<b>Embraer</b>	EMB-810D (Piper Seneca II)
<b>Fairchild Aircraft</b>	SA227AT/TT/23 Merlin
<b>Partenavia<sup>1</sup></b>	AP 68TP-600 Viator
<b>Pilatus Aircraft<sup>2</sup></b>	PC-12 • PC-6/B2-H4 Turbo Porter
<b>Pilatus Britten-Norman</b>	BN-2T Turbine Islander
<b>Piper Aircraft</b>	PA-31T-500 Cheyenne IA • PA-31T-620 Cheyenne IIXL • PA-42-1000 Cheyenne 400 • PA-42-720 Cheyenne IIIA
<b>Raytheon Aircraft Company</b>	1900E Executive • 2000 Starship 1 • King Air C90/F90 • Super King Air 200/200CT • Super King Air 300/300LW • Super King Air 350
<b>Reims Aviation</b>	406 Caravan II
<b>Rinaldo Piaggio</b>	P166-DL3 • P180 Avanti
<b>TBM (Socata/Mooney)</b>	TBM700

## PISTON ENGINES

<b>Cessna Aircraft (Textron)</b>	402C Businessliner • 414A Chancellor • 421C Golden Eagle • T303 Crusader
<b>Lake Aircraft</b>	LA-250 Renegade
<b>Partenavia<sup>1</sup></b>	P68C/P68C-TC
<b>Pilatus Britten-Norman</b>	BN-2B Islander
<b>Piper Aircraft<sup>3</sup></b>	PA-28-161 Warrior • PA-28-181 Archer II/III • PA-28-236 Dakota • PA-28R-201 Arrow IV/Turbo Arrow IV • PA-31-350 Chieftain • PA-32-301 Saratoga/SP • PA-34-220T Seneca III/IV • PA-44-180 Seminole • PA-46-310P Malibu • PA-46-350P Malibu Mirage
<b>Raytheon Aircraft Company</b>	Baron 58/58P • Bonanza A36/A36AT • Bonanza B36TC • Bonanza F33A/F33C

1) Figures for Partenavia are not available for 1992-94.

2) Figures for Pilatus are not available for 1992-93.

3) PA-28 series included as of 1992

TABLE 3.20

## WORLD DELIVERIES OF LIGHT- AND BUSINESS AIRCRAFT

Year	Jets				Turboprops				Piston Engines				All
	Design Origin EU	Design Origin US	Design Origin Other	Units	Design Origin EU	Design Origin US	Design Origin Other	Units	Design Origin EU	Design Origin US	Design Origin Other	Units	
1986	25.0 %	58.7 %	16.3 %	208	3.0 %	92.0 %	5.0 %	199	5.2 %	94.8 %	0.0 %	402	809
1987	35.6 %	53.4 %	11.0 %	219	4.4 %	94.7 %	0.9 %	225	5.9 %	94.1 %	0.0 %	375	819
1988	28.6 %	59.8 %	11.6 %	259	6.0 %	92.7 %	1.3 %	233	4.0 %	96.0 %	0.0 %	350	842
1989	27.8 %	61.1 %	11.1 %	252	5.7 %	91.7 %	2.6 %	228	2.9 %	97.1 %	0.0 %	414	894
1990	23.2 %	61.6 %	15.1 %	271	6.4 %	90.7 %	3.0 %	236	4.6 %	95.4 %	0.0 %	372	879
1991	19.5 %	69.7 %	10.9 %	267	15.6 %	81.1 %	3.3 %	212	4.0 %	96.0 %	0.0 %	297	776
1992	8.3 %	79.5 %	12.2 %	229	21.2 %	78.8 %	0.0 %	193	4.2 %	95.8 %	0.0 %	307	729
1993	16.3 %	73.3 %	10.4 %	270	14.4 %	85.6 %	0.0 %	187	2.1 %	97.9 %	0.0 %	241	698
1994 r	16.5 %	72.3 %	11.2 %	278	24.9 %	72.4 %	2.7 %	225	0.8 %	99.2 %	0.0 %	244	747
1995	23.0 %	66.4 %	10.6 %	274	24.8 %	66.3 %	8.9 %	282	3.3 %	96.7 %	0.0 %	270	826

r Revised

Sources: 1986-91: Interavia/Aerospace World; 1992-95: IFA

*The aircraft included are listed on the previous page.*

The data on the EU **light aircraft fleet** (tables 3.21 and 3.22) are compiled by Bureau Veritas.

Light aircraft are broken down by category as follows:

- *single-engine* aircraft with maximum take-off weight (MTOW)  $\leq 5.7$  tonnes;
- *twin-engine* aircraft with MTOW  $\leq 5.7$  tonnes;
- twin-engine *executive jet* with MTOW between 5.7 and 15 tonnes.

TABLE 3.21

## EU Light Aircraft Fleet by Propulsion Type

		Units																
		AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 12	EU 15
		<i>Single-Engine</i>																
1986	-	599	5,488	679	433	-	4,846	4,745	106	249	1,235	43	408	232	-		<b>19,063</b>	
1987	-	635	5,578	685	657	-	4,913	5,081	109	196	1,239	43	439	237	-		<b>19,812</b>	
1988	-	659	5,739	725	842	-	4,932	4,246	105	273	1,246	50	435	251	-		<b>19,503</b>	
1989	-	730	5,902	819	875	-	5,037	4,587	110	290	1,296	53	467	272	-		<b>20,438</b>	
1990	-	824	6,663	737	1,053	-	5,263	5,038	113	326	1,319	54	513	295	-		<b>22,198</b>	
1991	-	881	6,554	703	1,114	-	5,420	4,890	142	294	1,367	54	513	332	-		<b>22,264</b>	
1992	-	857	6,838	705	1,160	-	5,492	5,120	145	250	1,390	54	536	384	-		<b>22,931</b>	
1993	-	691	6,997	710	1,207	-	5,417	5,125	169	254	1,374	54	547	379	-		<b>22,924</b>	
1994 (not available)																		
Oct. 1996	614	751	7,147	688	N/A	529	5,821	6,265	170	251	1,314	70	597	294	1,318		<b>25,829</b>	
		<i>Twin-Engine</i>																
1986	-	76	674	190	64	-	619	776	10	37	262	9	82	33	-		<b>2,832</b>	
1987	-	67	718	195	98	-	623	784	11	31	265	8	71	34	-		<b>2,905</b>	
1988	-	71	738	185	137	-	691	756	6	38	273	8	89	35	-		<b>3,027</b>	
1989	-	75	722	173	194	-	719	798	6	38	282	9	89	36	-		<b>3,141</b>	
1990	-	94	719	155	222	-	780	863	21	41	288	11	92	37	-		<b>3,323</b>	
1991	-	94	882	174	203	-	795	788	34	41	285	14	104	37	-		<b>3,451</b>	
1992	-	82	887	167	209	-	789	756	35	35	239	13	96	42	-		<b>3,350</b>	
1993	-	3	902	164	214	-	719	703	37	37	255	11	83	41	-		<b>3,169</b>	
1994 (not available)																		
Oct. 1996	85	44	878	155	N/A	73	671	621	39	29	175	18	77	35	168		<b>3,068</b>	
		<i>Executive Jet</i>																
1986	-	6	48	10	6	-	71	70	0	3	80	0	5	0	-		<b>299</b>	
1987	-	4	70	10	13	-	73	75	0	2	86	1	7	0	-		<b>341</b>	
1988	-	5	62	16	21	-	87	79	0	3	109	1	7	1	-		<b>391</b>	
1989	-	5	56	21	25	-	98	73	0	2	123	0	8	3	-		<b>414</b>	
1990	-	5	150	14	30	-	132	86	0	3	127	0	9	3	-		<b>559</b>	
1991	-	5	86	24	67	-	129	89	0	4	139	0	9	3	-		<b>555</b>	
1992	-	10	108	28	39	-	126	90	0	2	158	0	9	4	-		<b>574</b>	
1993	-	8	104	14	29	-	126	93	1	2	92	0	9	4	-		<b>482</b>	
1994 (not available)																		
Oct. 1996	21	8	75	15	N/A	6	106	150	3	1	59	0	7	3	25		<b>479</b>	
Note	Data for Belgium (1988-91), Denmark (1988, 1990), Germany (1992-93), Greece (1986), Portugal (1993) and Spain (1986-90) are partly estimated.															Source: Bureau Veritas		

TABLE 3.22

## EU Light Aircraft Fleet by Propulsion Type

Market Share of EU-designed<sup>1</sup> Aircraft

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 12	EU 15
<i>Single-Engine</i>																	
1986	-	37.9 %	38.6 %	22.2 %	28.2 %	-	72.8 %	48.0 %	26.4 %	54.2 %	54.6 %	51.2 %	15.2 %	27.6 %	-	-	49.4 %
1987	-	38.7 %	39.4 %	19.7 %	28.2 %	-	71.2 %	45.8 %	16.5 %	46.9 %	54.5 %	51.2 %	15.3 %	27.8 %	-	-	48.1 %
1988	-	38.2 %	31.3 %	20.4 %	28.1 %	-	71.6 %	34.4 %	19.0 %	34.8 %	52.2 %	48.0 %	15.6 %	27.1 %	-	-	42.8 %
1989	-	38.2 %	30.8 %	21.1 %	28.1 %	-	70.7 %	37.0 %	21.8 %	14.1 %	48.1 %	41.5 %	16.1 %	26.8 %	-	-	42.2 %
1990	-	38.2 %	44.0 %	21.2 %	28.1 %	-	69.3 %	37.1 %	38.9 %	29.8 %	47.9 %	37.0 %	18.1 %	25.1 %	-	-	45.8 %
1991	-	38.3 %	32.3 %	16.2 %	29.4 %	-	75.6 %	36.2 %	19.7 %	38.8 %	49.0 %	27.8 %	17.7 %	26.5 %	-	-	43.9 %
1992	-	40.3 %	35.9 %	16.3 %	37.3 %	-	76.5 %	37.1 %	19.3 %	39.6 %	47.7 %	27.8 %	17.0 %	16.9 %	-	-	45.4 %
1993	-	56.4 %	36.7 %	23.0 %	35.6 %	-	64.4 %	38.3 %	30.2 %	39.8 %	49.2 %	27.8 %	16.6 %	20.8 %	-	-	43.7 %
1994 (not available)																	
Oct. 1996	24.8 %	27.2 %	26.2 %	17.0 %	-	14.9 %	54.5 %	25.3 %	21.2 %	35.9 %	42.0 %	20.0 %	16.4 %	23.1 %	15.5 %	-	31.9 %
<i>Twin-Engine</i>																	
1986	-	7.9 %	8.2 %	10.0 %	9.4 %	-	6.1 %	14.9 %	80.0 %	18.9 %	24.8 %	11.1 %	8.5 %	15.2 %	-	-	11.8 %
1987	-	3.0 %	7.7 %	11.3 %	9.2 %	-	5.8 %	13.1 %	63.6 %	19.4 %	24.5 %	0.0 %	8.5 %	14.7 %	-	-	10.9 %
1988	-	5.6 %	7.6 %	9.7 %	9.5 %	-	5.5 %	11.8 %	0.0 %	18.4 %	24.5 %	0.0 %	10.1 %	14.3 %	-	-	10.1 %
1989	-	6.7 %	7.8 %	8.1 %	9.8 %	-	5.6 %	11.7 %	0.0 %	23.7 %	24.1 %	11.1 %	10.1 %	13.9 %	-	-	10.2 %
1990	-	6.4 %	9.6 %	8.4 %	9.5 %	-	5.1 %	11.9 %	42.9 %	17.1 %	24.3 %	27.3 %	9.8 %	10.8 %	-	-	10.7 %
1991	-	6.4 %	7.1 %	13.8 %	13.3 %	-	6.2 %	10.8 %	26.5 %	4.6 %	24.6 %	28.6 %	9.6 %	5.4 %	-	-	10.3 %
1992	-	0.0 %	8.1 %	13.2 %	12.9 %	-	6.5 %	11.6 %	25.7 %	14.3 %	30.1 %	30.8 %	11.5 %	9.5 %	-	-	10.9 %
1993	-	66.7 %	7.5 %	11.0 %	14.0 %	-	3.5 %	12.2 %	10.5 %	16.2 %	27.8 %	36.4 %	13.3 %	12.2 %	-	-	10.4 %
1994 (not available)																	
Oct. 1996	3.5 %	11.4 %	6.5 %	28.4 %	-	5.5 %	4.0 %	24.3 %	5.1 %	13.8 %	29.1 %	33.3 %	11.7 %	5.7 %	7.7 %	-	12.3 %
<i>Executive Jet</i>																	
1986	-	0.0 %	29.2 %	40.0 %	83.3 %	-	81.7 %	75.7 %	-	66.7 %	51.3 %	-	60.0 %	-	-	-	60.2 %
1987	-	0.0 %	27.1 %	40.0 %	76.9 %	-	80.8 %	69.3 %	-	50.0 %	47.7 %	100.0 %	57.1 %	-	-	-	56.0 %
1988	-	0.0 %	41.9 %	50.0 %	81.0 %	-	80.5 %	75.9 %	-	66.7 %	39.4 %	100.0 %	57.1 %	0.0 %	-	-	59.1 %
1989	-	0.0 %	39.3 %	52.4 %	80.0 %	-	80.6 %	65.8 %	-	0.0 %	50.4 %	-	50.0 %	100.0 %	-	-	60.1 %
1990	-	0.0 %	42.0 %	28.6 %	80.0 %	-	84.1 %	64.0 %	-	0.0 %	30.7 %	-	44.4 %	100.0 %	-	-	54.2 %
1991	-	0.0 %	30.2 %	16.7 %	46.3 %	-	86.0 %	66.3 %	-	0.0 %	37.4 %	-	44.4 %	100.0 %	-	-	52.3 %
1992	-	20.0 %	38.0 %	28.6 %	71.8 %	-	87.3 %	72.2 %	-	0.0 %	20.9 %	-	44.4 %	75.0 %	-	-	51.2 %
1993	-	12.5 %	37.5 %	28.6 %	75.9 %	-	83.3 %	75.3 %	100.0 %	0.0 %	30.4 %	-	33.3 %	100.0 %	-	-	57.5 %
1994 (not available)																	
Oct. 1996	19.0 %	25.0 %	5.3 %	40.0 %	-	16.7 %	77.4 %	53.3 %	0.0 %	0.0 %	25.4 %	-	0.0 %	66.7 %	64.0 %	-	44.3 %

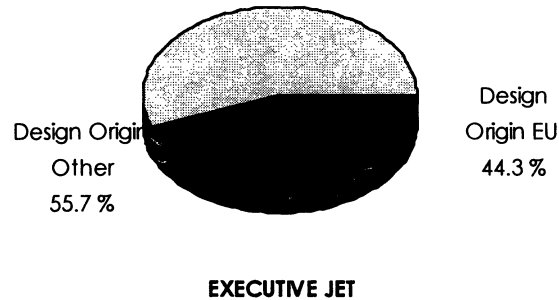
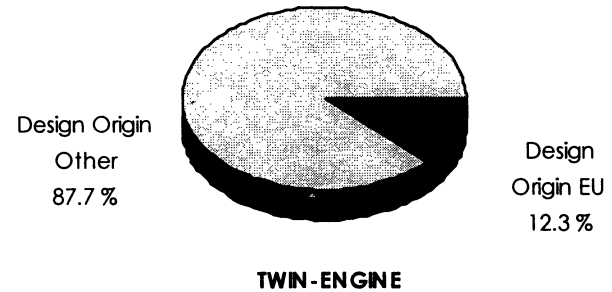
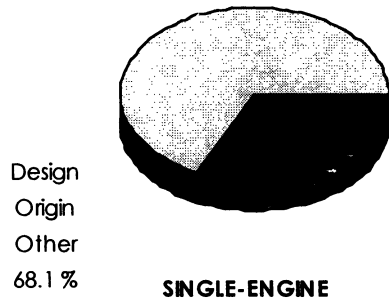
<sup>1</sup> Aircraft designed within the 12 Member States for the period 1986-94, within the 15 Member States as of 1995.  
US-designed aircraft built under licence in Europe not included.

Source: Bureau Veritas



CHART 3.1

### EU Light Aircraft Fleet 1995 Categories Breakdown by Design Origin in % of Total Units



Source: Bureau Veritas



## *Chapter 4*

# **Civil and State Helicopters**



The figures on the **civil and state<sup>1</sup> helicopter** fleet are provided by EUROCOPTER INTERNATIONAL. The figures have been established according to official sources, mainly the annual registration listings published by official authorities worldwide: FAA, CAA, etc. For countries where no listing is available, commercial publications such as Air Britten or databases available within Eurocopter have been used.

The study includes helicopters in service, i.e. helicopters that are registered to a final customer, and that are operational. "White tails" are thus excluded. State helicopters are included when they have a civil registration<sup>2</sup>.

The analysis covers the following

### Geographical areas

- *EU*  
Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom;
- *Other Europe*  
including Albania, Bulgaria, Cyprus, Czech Republic, Greenland, Hungary, Iceland, Liechtenstein, Malta, Monaco, Norway, Poland, Romania, Switzerland, Turkey, ex Yugoslavia;
- *USA*;

<sup>1</sup> Aircraft used by public authorities such as Search & Rescue, Coast Guards, Police, Border Control, Fishery Surveillance, Emergency Medical Services.

<sup>2</sup> Civil registered helicopters used by public authorities and/or held in military inventories may be double counted as they would also appear in Chapter 6 - Military Helicopters.

- *Canada*;
- *Rest of the world*  
excluding C.I.S.

Helicopters are divided into 6 categories:

- *Piston engine*  
Example in this category: Bell 47
- *Light single turbine engine (≤ 2.7 Tonnes; 1 - 8 seats)*  
Examples in this category: AS-350 Ecureuil I; Bell 206
- *Light twin turbine engine (≤ 2.7 Tonnes; 1 - 8 seats)*  
AS-355 Ecureuil II; Bell 206 LT
- *Medium turbine engine (2.7 - 6 Tonnes; 9 - 15 seats)*  
SA-365 Dauphin; Sikorsky S76
- *Heavy turbine engine (6 - 11 Tonnes; 16 - 32 seats)*  
AS-332 Super Puma; Sikorsky S61
- *Very heavy turbine engine (> 11 Tonnes; > 32 seats)*  
EH-101; Boeing 234

The helicopters BK-117, Bell-222 and 230 are now classified as 'Light Twin Turbine Engine', whereas in the previous edition they were included in the 'Medium' category. The tables relating to these two categories consequently show respective changes.

A distinction is made between 'design origin EU' and 'EU-built', the latter including as well aircraft whose conceptual origin is outside the EU, but which is built under licence agreements in the EU.

The indicative values of helicopters (tables 4.1 and 4.2) are calculated as follows:

For *out of production aircraft*, all values are based on price information given by "The Official Helicopter Blue Book"<sup>3</sup> year by year. This publication gives the price of a new aircraft, as published by the manufacturers, and indicative resale prices for low, mid and high time used<sup>4</sup> aircraft. The final value is obtained by applying an empirical coefficient to the resale price for a standard equipped (mid time) aircraft delivered in the middle of its production period. This coefficient takes into account the average equipments mounted on each aircraft<sup>5</sup>. However, a special 1.05 coefficient has been applied to some dedicated aircraft such as the Lama B-204<sup>6</sup>, or the K-Max, due to their limited applications.

For *aircraft currently in production*, the value is obtained by weighting the official 1996 price for a standard non equipped

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<sup>3</sup> Published by HeliValue Inc., Lincolnshire, Illinois, USA.

<sup>4</sup> The usage is defined individually for each aircraft as the number of hours flown in relation to overhaul cycles. Usually overhaul cycles will be between 2 500 and 3 000 hours, with low, mid and high time categories dividing this range into three. Statistically aircraft in service are roughly equally distributed between low, mid and high time usage, wherefore the mid time prices are used.

<sup>5</sup> Aircraft produced by Eurocopter account for approximately 20 % of the entire fleet. The sales proportion of optional equipment installed on these aircraft has been used to derive weights by which the standard equipped (mid time) aircraft's price is adjusted. The weights are

piston engine helicopters	1.05
light single engine helicopters	1.15
all twin engine helicopters	1.2

<sup>6</sup> Example of value calculation for the Lama: the price given by The Blue Book for a mid standard potential aircraft delivered in 1979 is \$0.459 Mio. Application of the coefficient yields  $1.05 \times 0.459 = 0.4819$ , which is then rounded to \$0.480 Mio.

helicopter as they are published by the various manufacturers, with the same coefficient as above.

The value of the fleets are computed as follows:

- for *aircraft delivered before 1980*, an average value<sup>7</sup> has been computed and weighted by the usual coefficients;
- for *aircraft delivered between 1980 and 1993*, the weighted value given by The Blue Book for a mid time aircraft year by year;
- for *aircraft delivered in 1994 - 1995*, the weighted value of a new aircraft as published by the manufacturers has been used.

Values are presented in Million ECU.

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<sup>7</sup> A detailed analysis of The Blue Book indicates that the value of all helicopters delivered before 1980 is stabilized around an average value with a variation of about 5 %.

On the following page a list of helicopters covered by the study and their calculated values in 1995 prices is given. The manufacturers involved are listed below.

#### Manufacturers

Agusta	IT
Agusta-Bell	US
Bell	US
Bell / Soly	US
Boeing-Vertol	US
Brantly	US
Enström	US
Eurocopter	Int'l
Hiller	US
Kaman	US
Kamov	RU
McDonnell Douglas	US
Mil	RU
PZL	PL
Robinson	US
Rogerson	US
Schweizer	US
Sikorsky	US
Westland	GB

Tables 4.3 through 4.17 present the world fleet in units as well as values, broken down by geographical areas and by helicopter category.

Table 4.18 and charts 4.1 and 4.2 give an overview of the deliveries in units by design origin and to different markets.

TABLE 4.1

## CIVIL HELICOPTERS - INDICATIVE VALUES 1996

Design Origin EU				Design Origin Other							
Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1996 Mio ECU	Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1996 Mio ECU	Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1996 Mio ECU
<b>AGUSTA</b>				<b>EUROCOPTER (Continued)</b>				<b>KAMOV</b>			
A 109 A+	8	1975 - 1985	0.693	SA360	10	1976 - 1984	0.370	KA-32	18	1980 -	2.013
A 109 C	8	1989 -	2.552	AS365 C	10	1978 - 1981	0.768	<b>MIL</b>			
A 109 K2	8	1991 -	2.930	A5365 N1	13	1987 - 1989	1.930	MI-8	30	1963 -	1.182
A 109 P	8	1996 -	2.241	AS365 N2	13	1990 -	3.852	MI-17	30	1976 -	1.969
<b>EUROCOPTER</b>				AS332 C	19	1981 -	0.764	<b>PZL</b>			
Lama (SA315)	5	1972 - 1988	0.370	AS332 L1	23	1985 -	8.389	Sokol	14	1989 -	2.458
Alouette II (SA318)	5	1957 - 1980	0.071	AS332 L2	27	1992 -	9.642				
Alouette III (SA316)	7	1964 - 1984	0.260	BO 105 CBS	5	1977 -	1.599				
Alouette III (SA319)	7	1973 - 1976	0.228	BO 105 CBS 5	5	1993 -	1.701				
Gazelle-SA341 G	5	1972 - 1980	0.201	BO 105 LS	5	1986 -	1.776				
Puma (SA330)	21	1976 - 1980	1.544	EC-135	7	1996 -	2.292				
AS350 B	6	1978 - 1992	0.429	BK 117 BI/B2	8	1987 -	2.572				
AS350 BA	6	1992 -	0.796	BK 117 CI	8	1992 -	2.836				
AS350 B1	6	1986 - 1990	0.559	<b>WESTLAND</b>							
AS350 B2	6	1990 -	0.937	W30	19	1982 - 1989	0.417				
AS350 D	6	1978 - 1987	0.260								
AS355 F1	6	1983 - 1989	0.394								
AS355 F2	6	1986 -	1.481								
AS355 N	6	1989 -	1.682								
AS365 N2	13	1990 -	3.738								

Source: EUROCOPTER



TABLE 4.2

## CIVIL HELICOPTERS - INDICATIVE VALUES 1996

Design Origin USA											
Design Origin USA				Design Origin USA				Design Origin USA			
Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1996 Mio ECU	Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1996 Mio ECU	Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1996 Mio ECU
<b>AGUSTA - BELL</b>				<b>BELL / SOLOY</b>				<b>ROBINSON</b>			
AB-47	3	1954 - 1978	0.067	B-47 Turbine	3	1978 - 1983	0.118	R-22	2	1979 - 1981	0.354
AB-204B	10	1961 - 1975	0.559	<b>BOEING - VERTOL</b>				R-22HP	2	1981 - 1983	0.406
AB-205A-1	15	1964 - 1978	0.807	BV 234	25	1981 - 1986	5.908	R-22 Alpha	2	1983 - 1985	0.512
AB-206	5	1966 -	0.232	<b>BRANTLY</b>				R-22 Beta	2	1985 -	0.102
AB-212	15	1972 -	3.844	B2B	2	1959 - 1981	0.016	R-44 Astro	4	1993 -	0.213
AB-412	15	1983 -	4.230	305	5	1965 - 1981	0.024	<b>ROGERSON</b>			
<b>BELL</b>				<b>ENSTRÖM</b>				FH-1100			
B-47 G2	3	1947 - 1963	0.051	F-28A	3	1966 - 1975	0.398	<b>SCHWEIZER</b>			
B-47G-3B/B1/B2	3	1963 - 1973	0.067	F-28C	3	1976 - 1982	0.595	269 A	2	1959 - 1966	0.319
B-47G-4/4A	3	1964 - 1971	0.528	F-28F	3	1981 -	0.181	269 B	2	1964 - 1969	0.394
B-47G-5/5A	3	1966 - 1973	0.579	F-280F	3	1980 -	0.197	300 C	2	1970 -	0.165
B-47J-2	4	1957 - 1966	0.445	F-480	4	1994 -	0.417	330	4	1993 -	0.394
B-204B	10	1965 - 1967	0.559	<b>HILLER</b>				<b>SIKORSKY</b>			
B-205A-1	15	1968 - 1980	0.807	UH-12D	3	1957 - 1962	0.221	S-55	12	1952 - 1961	0.000
B-206 A	5	1967 - 1971	0.146	UH-12E	3	1959 - 1983	0.662	S-58	20	1955 - 1968	0.102
B-206 B	5	1967 - 1977	0.232	UH-12ET	3	1975 - 1983	0.118	S-58T	20	1971 - 1977	0.571
B-206 B-3	5	1977 -	0.603	UH-12E4	4	1962 - 1983	0.622	S-61N	28	1963 - 1979	2.284
B-206 L3	7	1975 - 1992	0.544	UH-12E4T	4	1975 - 1983	0.126	S-64	3	1962 - 1976	4.112
B-206 L4	7	1992 -	0.926	<b>KAMAN</b>				S-76A/Mk II			
B-206 LT Twin Ranger	7	1994 -	1.497	K-Max	1	1995 -	2.895	S-76A+	14	1979 - 1986	1.079
B-407	7	1996 -	1.044	<b>McDONNELL DOUGLAS</b>				S-76B			
B-212	15	1970 -	3.844	369/500	5	1969 - 1974	0.142	S-76B	14	1985 -	5.672
B-412	15	1981 -	4.230	500 C	5	1969 - 1977	0.177	S-76C	14	1991 -	3.781
B-214 B	16	1976 - 1981	0.926	500 D	5	1976 - 1982	0.291	S-76C+	14	1996 -	4.651
B-214 ST	20	1982 - 1990	2.367	500 E	5	1983 -	0.603				
B-222 B	10	1982 - 1985	0.941	520 N	5	1991 -	0.681				
B-222 UT	10	1983 - 1986	1.004	530 FF	5	1985 -	0.823				
B-230	10	1992 -	3.470	MD900	8	1994 -	2.985				
B-430	10	1996 -	3.474								

Source: EUROCOPTER

TABLE 4.3 (a)

### WORLD CIVIL AND STATE HELICOPTER FLEET Units at Year-end

	Europe										North America					Rest of World						
	EU					Other Europe					USA				Canada	Design Origin US						
	Design Origin US					Design Origin US					Design Origin US					Design Origin US						
	Design Origin EU	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built under US licence	Units	Design Origin EU	Design Origin US	Units	Design Origin EU	EU built under US licence	Design Origin Other	Units				
1980	32.5 %	42.1 %	24.0 %	1.5 %	1,695	19.0 %	37.7 %	17.7 %	25.6 %	316	6.2 %	93.8 %	0.0 %	1,179	6.4 %	93.6 %	1,265	14.8 %	79.1 %	2.3 %	3.8 %	2,805
1981	33.8 %	43.2 %	21.6 %	1.4 %	1,848	19.8 %	39.4 %	16.4 %	24.4 %	348	7.4 %	92.6 %	0.0 %	7,667	7.4 %	92.6 %	1,324	16.3 %	78.4 %	2.2 %	3.2 %	3,119
1982	34.8 %	42.5 %	21.5 %	1.3 %	1,930	24.8 %	36.3 %	15.2 %	23.7 %	375	8.4 %	91.5 %	0.0 %	7,880	8.2 %	91.8 %	1,258	17.8 %	77.3 %	1.9 %	2.9 %	3,337
1983	37.3 %	41.3 %	20.1 %	1.3 %	1,985	29.1 %	32.7 %	15.6 %	22.6 %	398	8.5 %	91.4 %	0.0 %	8,112	8.8 %	91.2 %	1,208	19.1 %	76.3 %	1.9 %	2.7 %	3,391
1984	39.3 %	40.1 %	19.3 %	1.3 %	2,017	30.5 %	31.4 %	14.9 %	23.3 %	417	8.9 %	91.0 %	0.0 %	8,376	8.6 %	91.4 %	1,118	20.0 %	75.5 %	2.0 %	2.5 %	3,532
1985	40.9 %	39.4 %	18.4 %	1.4 %	2,066	31.0 %	30.6 %	14.1 %	24.3 %	432	9.5 %	90.5 %	0.0 %	8,513	9.1 %	90.9 %	1,086	20.6 %	75.0 %	2.0 %	2.5 %	3,591
1986	41.5 %	39.7 %	17.5 %	1.3 %	2,166	31.5 %	31.9 %	13.4 %	23.1 %	454	10.2 %	89.7 %	0.0 %	8,536	9.7 %	90.3 %	1,084	22.1 %	73.7 %	1.9 %	2.3 %	3,691
1987	41.0 %	41.1 %	16.7 %	1.2 %	2,341	33.5 %	34.1 %	11.6 %	20.9 %	508	10.7 %	89.3 %	0.0 %	8,376	10.5 %	89.5 %	1,106	23.1 %	73.0 %	1.8 %	2.1 %	3,931
1988	39.9 %	44.9 %	14.2 %	1.0 %	2,592	33.5 %	35.0 %	11.3 %	20.3 %	523	11.0 %	89.0 %	0.0 %	8,188	11.0 %	89.0 %	1,157	23.2 %	73.5 %	1.6 %	1.7 %	4,214
1989	38.3 %	47.7 %	13.1 %	0.9 %	2,909	32.8 %	36.4 %	11.1 %	19.7 %	552	11.0 %	89.0 %	0.1 %	8,322	11.3 %	88.8 %	1,200	24.0 %	72.9 %	1.5 %	1.6 %	4,431
1990	37.8 %	49.9 %	11.4 %	0.8 %	3,131	34.2 %	35.0 %	10.9 %	20.0 %	571	11.0 %	89.0 %	0.1 %	8,492	11.5 %	88.5 %	1,299	25.1 %	72.2 %	1.3 %	1.3 %	4,715
1991	37.5 %	50.8 %	10.6 %	1.1 %	3,322	35.4 %	35.1 %	10.3 %	19.2 %	604	11.0 %	88.9 %	0.1 %	8,649	12.8 %	87.2 %	1,317	25.6 %	71.8 %	1.3 %	1.3 %	4,952
1992	36.9 %	51.8 %	9.8 %	1.5 %	3,479	34.5 %	36.6 %	8.8 %	20.1 %	637	11.1 %	88.8 %	0.1 %	8,726	13.5 %	86.5 %	1,398	25.5 %	71.8 %	1.3 %	1.4 %	5,071
1993	37.9 %	51.6 %	9.6 %	1.0 %	3,466	34.6 %	37.0 %	8.0 %	20.4 %	662	11.2 %	88.7 %	0.1 %	8,971	13.1 %	86.9 %	1,468	25.1 %	71.8 %	1.3 %	1.8 %	5,236
1994	37.6 %	51.8 %	9.6 %	1.0 %	3,482	35.4 %	37.6 %	7.5 %	19.6 %	684	11.5 %	88.4 %	0.1 %	9,051	13.9 %	86.1 %	1,509	24.7 %	72.2 %	1.3 %	1.8 %	5,487
1995	37.5 %	52.2 %	9.4 %	1.0 %	3,567	35.5 %	39.2 %	7.4 %	18.0 %	679	11.0 %	88.9 %	0.1 %	9,267	14.0 %	86.0 %	1,528	24.9 %	72.0 %	1.3 %	1.8 %	5,720

Source: EUROCOPTER

TABLE 4.3 (b)

EU CIVIL AND STATE HELICOPTER FLEET  
Units at Year-end

	AT					BE					DE					DK					ES				
	Design Origin US					Design Origin US					Design Origin US					Design Origin US					Design Origin US				
	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units
1980	14.3 %	23.8 %	61.9 %	0.0 %	42	34.6 %	53.8 %	11.5 %	0.0 %	26	41.5 %	35.7 %	15.9 %	7.0 %	359	0.0 %	94.6 %	5.4 %	0.0 %	37	32.9 %	35.7 %	31.4 %	0.0 %	70
1981	18.2 %	22.7 %	59.1 %	0.0 %	44	32.1 %	57.1 %	10.7 %	0.0 %	28	45.4 %	36.2 %	11.8 %	6.6 %	381	0.0 %	95.5 %	4.5 %	0.0 %	44	36.3 %	33.8 %	30.0 %	0.0 %	80
1982	17.4 %	26.1 %	56.5 %	0.0 %	46	34.6 %	57.7 %	7.7 %	0.0 %	26	43.4 %	37.8 %	12.4 %	6.3 %	394	0.0 %	92.7 %	7.3 %	0.0 %	41	37.8 %	36.7 %	25.6 %	0.0 %	90
1983	20.5 %	25.6 %	53.8 %	0.0 %	39	32.1 %	60.7 %	7.1 %	0.0 %	28	41.4 %	39.5 %	13.0 %	6.1 %	408	5.6 %	88.9 %	5.6 %	0.0 %	36	40.4 %	35.4 %	24.2 %	0.0 %	99
1984	27.3 %	27.3 %	45.5 %	0.0 %	44	36.0 %	56.0 %	8.0 %	0.0 %	25	43.0 %	38.8 %	12.3 %	5.9 %	423	5.9 %	85.3 %	8.8 %	0.0 %	34	46.5 %	32.7 %	20.8 %	0.0 %	101
1985	30.2 %	23.3 %	46.5 %	0.0 %	43	41.7 %	45.8 %	12.5 %	0.0 %	24	43.3 %	39.1 %	11.7 %	5.9 %	427	8.1 %	81.1 %	10.8 %	0.0 %	37	50.9 %	27.7 %	21.4 %	0.0 %	112
1986	39.5 %	25.6 %	34.9 %	0.0 %	43	44.0 %	44.0 %	12.0 %	0.0 %	25	42.5 %	40.7 %	11.2 %	5.6 %	445	10.8 %	81.1 %	8.1 %	0.0 %	37	50.7 %	27.6 %	21.6 %	0.0 %	134
1987	36.5 %	32.7 %	30.8 %	0.0 %	52	44.0 %	44.0 %	12.0 %	0.0 %	25	43.3 %	40.2 %	11.1 %	5.4 %	460	10.0 %	82.5 %	7.5 %	0.0 %	40	50.0 %	28.8 %	21.2 %	0.0 %	146
1988	40.7 %	33.3 %	25.9 %	0.0 %	54	43.5 %	52.2 %	4.3 %	0.0 %	23	44.9 %	39.2 %	10.4 %	5.5 %	454	11.9 %	83.3 %	4.8 %	0.0 %	42	48.5 %	32.5 %	18.9 %	0.0 %	169
1989	41.1 %	35.7 %	23.2 %	0.0 %	56	50.0 %	45.5 %	4.5 %	0.0 %	22	42.5 %	41.6 %	10.4 %	5.4 %	461	11.9 %	81.0 %	7.1 %	0.0 %	42	46.2 %	37.2 %	16.6 %	0.0 %	199
1990	40.6 %	40.6 %	18.8 %	0.0 %	64	37.0 %	51.9 %	11.1 %	0.0 %	27	40.9 %	44.4 %	9.7 %	5.1 %	487	14.0 %	79.1 %	7.0 %	0.0 %	43	45.7 %	39.5 %	14.8 %	0.0 %	210
1991	45.8 %	37.3 %	16.9 %	0.0 %	59	26.8 %	63.4 %	9.8 %	0.0 %	41	36.7 %	48.8 %	8.0 %	6.4 %	561	14.6 %	81.3 %	4.2 %	0.0 %	48	45.9 %	40.3 %	13.9 %	0.0 %	231
1992	45.5 %	39.4 %	15.2 %	0.0 %	66	24.5 %	67.3 %	8.2 %	0.0 %	49	33.6 %	51.6 %	6.7 %	8.1 %	642	17.6 %	78.4 %	3.9 %	0.0 %	51	48.2 %	39.4 %	12.4 %	0.0 %	249
1993	46.6 %	38.4 %	15.1 %	0.0 %	73	19.6 %	71.4 %	8.9 %	0.0 %	56	35.5 %	53.1 %	6.3 %	5.1 %	667	15.7 %	80.4 %	3.9 %	0.0 %	51	46.6 %	41.3 %	12.1 %	0.0 %	264
1994	44.9 %	43.6 %	11.5 %	0.0 %	78	19.6 %	71.4 %	8.9 %	0.0 %	56	35.5 %	53.3 %	6.3 %	4.9 %	687	15.1 %	81.1 %	3.8 %	0.0 %	53	46.3 %	41.9 %	11.9 %	0.0 %	270
1995	44.4 %	44.4 %	11.1 %	0.0 %	81	16.7 %	73.3 %	10.0 %	0.0 %	60	35.8 %	53.5 %	6.2 %	4.6 %	699	17.2 %	81.0 %	1.7 %	0.0 %	58	45.4 %	42.6 %	12.0 %	0.0 %	284

Source: EUROCOPTER

TABLE 4.3 (c)

### EU CIVIL AND STATE HELICOPTER FLEET Units at Year-end

	FR					FI					GB					GR					IE				
	<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>				
	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units
1980	59.9 %	18.8 %	21.2 %	0.0 %	382	4.2 %	54.2 %	41.7 %	0.0 %	24	11.4 %	58.1 %	30.5 %	0.0 %	430	27.8 %	55.6 %	16.7 %	0.0 %	18	7.7 %	76.9 %	15.4 %	0.0 %	13
1981	62.9 %	18.6 %	18.6 %	0.0 %	404	3.1 %	59.4 %	37.5 %	0.0 %	32	11.1 %	61.8 %	27.1 %	0.0 %	469	30.0 %	55.0 %	15.0 %	0.0 %	20	6.7 %	53.3 %	40.0 %	0.0 %	15
1982	62.6 %	18.7 %	18.7 %	0.0 %	438	5.9 %	55.9 %	38.2 %	0.0 %	34	14.4 %	59.5 %	26.1 %	0.0 %	479	29.2 %	58.3 %	12.5 %	0.0 %	24	7.1 %	57.1 %	35.7 %	0.0 %	14
1983	64.2 %	17.6 %	18.2 %	0.0 %	444	5.4 %	56.8 %	35.1 %	2.7 %	37	20.4 %	57.4 %	22.2 %	0.0 %	486	39.1 %	52.2 %	8.7 %	0.0 %	23	15.4 %	53.8 %	30.8 %	0.0 %	13
1984	64.3 %	17.8 %	17.8 %	0.0 %	460	5.4 %	51.4 %	37.8 %	5.4 %	37	23.1 %	56.5 %	20.4 %	0.0 %	481	32.0 %	56.0 %	12.0 %	0.0 %	25	14.3 %	57.1 %	28.6 %	0.0 %	14
1985	67.4 %	16.3 %	16.3 %	0.0 %	472	7.5 %	50.0 %	35.0 %	7.5 %	40	24.2 %	57.5 %	18.3 %	0.0 %	492	32.0 %	64.0 %	4.0 %	0.0 %	25	18.8 %	56.3 %	25.0 %	0.0 %	16
1986	66.1 %	17.5 %	16.4 %	0.0 %	487	10.5 %	39.5 %	42.1 %	7.9 %	38	26.2 %	57.4 %	16.4 %	0.0 %	507	24.0 %	72.0 %	4.0 %	0.0 %	25	20.0 %	60.0 %	20.0 %	0.0 %	15
1987	63.1 %	21.0 %	16.0 %	0.0 %	539	9.1 %	40.9 %	43.2 %	6.8 %	44	25.0 %	60.1 %	14.9 %	0.0 %	531	21.2 %	72.7 %	6.1 %	0.0 %	33	18.8 %	62.5 %	18.8 %	0.0 %	16
1988	58.5 %	27.4 %	14.1 %	0.0 %	617	14.0 %	46.0 %	38.0 %	2.0 %	50	22.8 %	64.4 %	12.8 %	0.0 %	624	21.6 %	73.0 %	5.4 %	0.0 %	37	17.4 %	65.2 %	17.4 %	0.0 %	23
1989	56.7 %	30.3 %	13.0 %	0.0 %	693	13.2 %	50.9 %	34.0 %	1.9 %	53	20.9 %	69.1 %	10.0 %	0.0 %	747	25.0 %	70.0 %	5.0 %	0.0 %	40	19.2 %	65.4 %	15.4 %	0.0 %	26
1990	55.1 %	32.8 %	12.1 %	0.0 %	759	14.1 %	56.3 %	28.2 %	1.4 %	71	20.8 %	70.7 %	8.6 %	0.0 %	818	28.2 %	69.2 %	2.6 %	0.0 %	39	13.3 %	76.7 %	10.0 %	0.0 %	30
1991	56.4 %	33.2 %	10.4 %	0.0 %	792	11.3 %	64.8 %	23.9 %	0.0 %	71	21.4 %	70.5 %	8.1 %	0.0 %	803	26.8 %	70.7 %	2.4 %	0.0 %	41	7.1 %	85.7 %	7.1 %	0.0 %	28
1992	56.4 %	33.9 %	9.7 %	0.0 %	811	12.3 %	64.4 %	23.3 %	0.0 %	73	22.3 %	70.0 %	7.7 %	0.0 %	764	18.4 %	79.6 %	2.0 %	0.0 %	49	10.8 %	78.4 %	10.8 %	0.0 %	37
1993	56.6 %	34.2 %	9.2 %	0.0 %	811	12.5 %	64.1 %	23.4 %	0.0 %	64	23.2 %	69.5 %	7.3 %	0.0 %	725	23.5 %	72.5 %	3.9 %	0.0 %	51	10.8 %	78.4 %	10.8 %	0.0 %	37
1994	57.6 %	33.1 %	9.2 %	0.0 %	779	14.1 %	64.1 %	21.9 %	0.0 %	64	23.9 %	68.9 %	7.2 %	0.0 %	732	23.3 %	73.3 %	3.3 %	0.0 %	60	10.8 %	78.4 %	10.8 %	0.0 %	37
1995	57.4 %	33.5 %	9.0 %	0.0 %	796	12.5 %	68.1 %	19.4 %	0.0 %	72	24.2 %	68.6 %	6.9 %	0.3 %	752	27.4 %	69.4 %	3.2 %	0.0 %	62	11.4 %	77.1 %	11.4 %	0.0 %	35

Source: EUROCOPTER

TABLE 4.3 (d)

**EU CIVIL AND STATE HELICOPTER FLEET**  
Units at Year-end

	IT					LU					NL					PT					SE				
	<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>				
	Design Origin EU	EU built under US licence	Design Origin Other	EU built under US licence	Units	Design Origin EU	EU built under US licence	Design Origin Other	EU built under US licence	Units	Design Origin EU	EU built under US licence	Design Origin Other	EU built under US licence	Units	Design Origin EU	EU built under US licence	Design Origin Other	EU built under US licence	Units	Design Origin EU	EU built under US licence	Design Origin Other	EU built under US licence	Units
1980	43.6 %	27.1 %	29.3 %	0.0 %	133	-	-	-	-	0	53.8 %	46.2 %	0.0 %	0.0 %	26	0.0 %	100.0 %	0.0 %	0.0 %	7	5.5 %	71.1 %	23.4 %	0.0 %	128
1981	42.9 %	27.6 %	29.5 %	0.0 %	156	-	-	-	-	0	54.8 %	45.2 %	0.0 %	0.0 %	31	0.0 %	100.0 %	0.0 %	0.0 %	7	5.1 %	72.3 %	22.6 %	0.0 %	137
1982	43.2 %	26.1 %	30.7 %	0.0 %	176	-	-	-	-	0	48.4 %	51.6 %	0.0 %	0.0 %	31	0.0 %	100.0 %	0.0 %	0.0 %	7	3.8 %	73.8 %	22.3 %	0.0 %	130
1983	42.6 %	23.2 %	34.2 %	0.0 %	190	-	-	-	-	0	50.0 %	47.2 %	2.8 %	0.0 %	36	55.6 %	44.4 %	0.0 %	0.0 %	18	5.5 %	76.6 %	18.0 %	0.0 %	128
1984	44.1 %	21.1 %	34.8 %	0.0 %	204	-	-	-	-	0	50.0 %	47.5 %	2.5 %	0.0 %	40	11.1 %	88.9 %	0.0 %	0.0 %	9	8.3 %	75.8 %	15.8 %	0.0 %	120
1985	44.8 %	19.5 %	35.7 %	0.0 %	210	-	-	-	-	0	48.8 %	48.8 %	2.4 %	0.0 %	41	11.1 %	88.9 %	0.0 %	0.0 %	9	9.3 %	76.3 %	14.4 %	0.0 %	118
1986	46.1 %	20.0 %	33.9 %	0.0 %	230	-	-	-	-	0	44.2 %	53.5 %	2.3 %	0.0 %	43	22.2 %	77.8 %	0.0 %	0.0 %	9	10.9 %	75.0 %	14.1 %	0.0 %	128
1987	49.1 %	21.0 %	30.0 %	0.0 %	267	-	-	-	-	0	42.9 %	54.3 %	2.9 %	0.0 %	35	28.6 %	71.4 %	0.0 %	0.0 %	14	12.2 %	75.5 %	12.2 %	0.0 %	139
1988	50.8 %	27.1 %	22.0 %	0.0 %	295	-	-	-	-	0	31.3 %	65.6 %	3.1 %	0.0 %	32	59.1 %	40.9 %	0.0 %	0.0 %	22	10.7 %	80.0 %	9.3 %	0.0 %	150
1989	48.7 %	28.6 %	22.7 %	0.0 %	343	-	-	-	-	0	31.4 %	65.7 %	2.9 %	0.0 %	35	65.4 %	34.6 %	0.0 %	0.0 %	26	13.3 %	78.3 %	8.4 %	0.0 %	166
1990	51.1 %	30.9 %	18.0 %	0.0 %	356	-	-	-	-	0	30.6 %	69.4 %	0.0 %	0.0 %	36	56.7 %	43.3 %	0.0 %	0.0 %	30	14.9 %	77.6 %	7.5 %	0.0 %	161
1991	47.8 %	32.3 %	20.0 %	0.0 %	406	-	-	-	-	0	26.3 %	73.7 %	0.0 %	0.0 %	38	54.5 %	45.5 %	0.0 %	0.0 %	33	15.9 %	77.6 %	6.5 %	0.0 %	170
1992	45.1 %	35.9 %	19.0 %	0.0 %	432	-	-	-	-	0	29.3 %	70.7 %	0.0 %	0.0 %	41	32.4 %	67.6 %	0.0 %	0.0 %	37	16.9 %	78.1 %	5.1 %	0.0 %	178
1993	47.1 %	34.0 %	18.9 %	0.0 %	418	-	-	-	-	0	32.6 %	65.2 %	2.2 %	0.0 %	46	25.0 %	75.0 %	0.0 %	0.0 %	36	16.2 %	77.2 %	6.6 %	0.0 %	167
1994	45.4 %	33.2 %	21.5 %	0.0 %	410	0.0 %	100.0 %	0.0 %	0.0 %	1	32.7 %	65.3 %	2.0 %	0.0 %	49	21.3 %	78.7 %	0.0 %	0.0 %	47	13.8 %	79.2 %	6.9 %	0.0 %	159
1995	43.5 %	35.6 %	20.9 %	0.0 %	416	0.0 %	100.0 %	0.0 %	0.0 %	1	34.6 %	63.5 %	1.9 %	0.0 %	52	20.5 %	79.5 %	0.0 %	0.0 %	44	16.1 %	77.4 %	6.5 %	0.0 %	155

Source: EUROCOPTER

TABLE 4.4

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**All Categories**  
 (Units of Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Units World
1986	2.0%	1.2%	20.5%	1.7%	6.2%	22.5%	1.8%	23.4%	1.2%	0.7%	10.6%	0.0%	2.0%	0.4%	5.9%	2,166	13.6%	2.8%	53.6%	23.2%	15,931
1987	2.2%	1.1%	19.6%	1.7%	6.2%	23.0%	1.9%	22.7%	1.4%	0.7%	11.4%	0.0%	1.5%	0.6%	5.9%	2,341	14.4%	3.1%	51.5%	24.2%	16,262
1988	2.1%	0.9%	17.5%	1.6%	6.5%	23.8%	1.9%	24.1%	1.4%	0.9%	11.4%	0.0%	1.2%	0.8%	5.8%	2,592	15.5%	3.1%	49.1%	25.3%	16,674
1989	1.9%	0.8%	15.8%	1.4%	6.8%	23.8%	1.8%	25.7%	1.4%	0.9%	11.8%	0.0%	1.2%	0.9%	5.7%	2,909	16.7%	3.2%	47.8%	25.4%	17,414
1990	2.0%	0.9%	15.6%	1.4%	6.7%	24.2%	2.3%	26.1%	1.2%	1.0%	11.4%	0.0%	1.1%	1.0%	5.1%	3,131	17.2%	3.1%	46.6%	25.9%	18,208
1991	1.8%	1.2%	16.9%	1.4%	7.0%	23.8%	2.1%	24.2%	1.2%	0.8%	12.2%	0.0%	1.1%	1.0%	5.1%	3,322	17.6%	3.2%	45.9%	26.3%	18,844
1992	1.9%	1.4%	18.5%	1.5%	7.2%	23.3%	2.1%	22.0%	1.4%	1.1%	12.4%	0.0%	1.2%	1.1%	5.1%	3,479	18.0%	3.3%	45.2%	26.3%	19,311
1993	2.1%	1.6%	19.2%	1.5%	7.6%	23.4%	1.8%	20.9%	1.5%	1.1%	12.1%	0.0%	1.3%	1.0%	4.8%	3,466	17.5%	3.3%	45.3%	26.4%	19,803
1994	2.2%	1.6%	19.7%	1.5%	7.8%	22.4%	1.8%	21.0%	1.7%	1.1%	11.8%	0.0%	1.4%	1.3%	4.6%	3,482	17.2%	3.4%	44.8%	27.1%	20,213
1995	2.3%	1.7%	19.6%	1.6%	8.0%	22.3%	2.0%	21.1%	1.7%	1.0%	11.7%	0.0%	1.5%	1.2%	4.3%	3,567	17.2%	3.3%	44.6%	27.6%	20,761
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	39.5%	44.0%	42.5%	10.8%	50.7%	66.1%	10.5%	26.2%	24.0%	20.0%	46.1%	0.0%	44.2%	22.2%	10.9%	41.5%	31.5%	10.2%	22.1%	17.8%	
1987	36.5%	44.0%	43.3%	10.0%	50.0%	63.1%	9.1%	25.0%	21.2%	18.8%	49.1%	0.0%	42.9%	28.6%	12.2%	41.0%	33.5%	10.7%	23.1%	18.8%	
1988	40.7%	43.5%	44.9%	11.9%	48.5%	58.5%	14.0%	22.8%	21.6%	17.4%	50.8%	0.0%	31.3%	59.1%	10.7%	39.9%	33.5%	11.0%	23.2%	19.3%	
1989	41.1%	50.0%	42.5%	11.9%	46.2%	56.7%	13.2%	20.9%	25.0%	19.2%	48.7%	0.0%	31.4%	65.4%	13.3%	38.3%	32.8%	11.0%	24.0%	19.6%	
1990	40.6%	37.0%	40.9%	14.0%	45.7%	55.1%	14.1%	20.8%	28.2%	13.3%	51.1%	0.0%	30.6%	56.7%	14.9%	37.8%	34.2%	11.0%	25.1%	20.0%	
1991	45.8%	26.8%	36.7%	14.6%	45.9%	56.4%	11.3%	21.4%	26.8%	7.1%	47.8%	0.0%	26.3%	54.5%	15.9%	37.5%	35.4%	11.0%	25.6%	20.4%	
1992	45.5%	24.5%	33.6%	17.6%	48.2%	56.4%	12.3%	22.3%	18.4%	10.8%	45.1%	0.0%	29.3%	32.4%	16.9%	36.9%	34.5%	11.1%	25.5%	20.5%	
1993	46.6%	19.6%	35.5%	15.7%	46.6%	56.6%	12.5%	23.2%	23.5%	10.8%	47.1%	0.0%	32.6%	25.0%	16.2%	37.9%	34.6%	11.2%	25.1%	20.5%	
1994	44.9%	19.6%	35.5%	15.1%	46.3%	57.6%	14.1%	23.9%	23.3%	10.8%	45.4%	0.0%	32.7%	21.3%	13.8%	37.6%	35.4%	11.5%	24.7%	20.6%	
1995	44.4%	16.7%	35.8%	17.2%	45.4%	57.4%	12.5%	24.2%	27.4%	11.4%	43.5%	0.0%	34.6%	20.5%	16.1%	37.5%	35.5%	11.0%	24.9%	20.4%	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Units World	
1986	1.9%	1.2%	21.0%	0.4%	7.6%	35.9%	0.4%	14.8%	0.7%	0.3%	11.8%	0.0%	2.1%	0.2%	1.6%	898	31.7%	5.0%	30.8%	28.8%	2,833
1987	2.0%	1.1%	20.7%	0.4%	7.6%	35.4%	0.4%	13.9%	0.7%	0.3%	13.6%	0.0%	1.6%	0.4%	1.8%	940	31.5%	5.6%	29.3%	29.8%	3,050
1988	2.1%	1.0%	19.7%	0.5%	7.9%	34.9%	0.7%	13.7%	0.8%	0.4%	14.5%	0.0%	1.0%	1.3%	1.5%	1,034	32.2%	5.4%	27.9%	30.5%	3,213
1989	2.1%	1.0%	17.6%	0.4%	8.3%	35.2%	0.6%	14.0%	0.9%	0.4%	15.0%	0.0%	1.0%	1.5%	2.0%	1,115	32.7%	5.3%	26.8%	31.2%	3,406
1990	2.2%	0.8%	16.8%	0.5%	8.1%	35.3%	0.8%	14.4%	0.9%	0.3%	15.4%	0.0%	0.9%	1.4%	2.0%	1,184	32.5%	5.4%	25.5%	32.5%	3,642
1991	2.2%	0.9%	16.5%	0.6%	8.5%	35.9%	0.6%	13.8%	0.9%	0.2%	15.6%	0.0%	0.8%	1.4%	2.2%	1,246	32.4%	5.6%	24.7%	33.0%	3,848
1992	2.3%	0.9%	16.8%	0.7%	9.3%	35.6%	0.7%	13.2%	0.7%	0.3%	15.2%	0.0%	0.9%	0.9%	2.3%	1,285	32.5%	5.6%	24.4%	32.7%	3,954
1993	2.6%	0.8%	18.1%	0.6%	9.4%	35.0%	0.6%	12.8%	0.9%	0.3%	15.0%	0.0%	1.1%	0.7%	2.1%	1,312	32.4%	5.7%	24.8%	32.4%	4,052
1994	2.7%	0.8%	18.7%	0.6%	9.6%	34.3%	0.7%	13.4%	1.1%	0.3%	14.2%	0.0%	1.2%	0.8%	1.7%	1,308	31.4%	5.8%	25.1%	32.6%	4,161
1995	2.7%	0.7%	18.7%	0.7%	9.6%	34.2%	0.7%	13.6%	1.3%	0.3%	13.5%	0.0%	1.3%	0.7%	1.9%	1,337	31.5%	5.7%	24.1%	33.6%	4,242

Source: EUROCOPTER

TABLE 4.5

## WORLD CIVIL AND STATE HELICOPTER FLEET

All Categories

(Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU Total																Value EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU		Rest of Europe	USA	Rest of World	Value World	
1986	1.4%	0.9%	14.9%	3.1%	4.0%	13.1%	1.3%	42.6%	1.0%	0.9%	9.4%	0.0%	4.3%	0.1%	2.8%	1,355	18.8%	4.8%	42.4%	25.9%	7,192	
1987	1.5%	0.8%	15.4%	3.2%	4.1%	13.3%	1.4%	40.7%	1.0%	0.9%	11.2%	0.0%	3.1%	0.2%	3.1%	1,223	18.9%	5.1%	40.9%	27.9%	6,469	
1988	1.5%	0.7%	15.6%	2.9%	5.1%	14.0%	2.2%	38.9%	0.9%	1.1%	11.3%	0.0%	2.4%	0.3%	3.2%	1,327	19.7%	5.0%	38.9%	29.1%	6,728	
1989	1.5%	0.7%	15.2%	2.9%	5.6%	14.8%	2.1%	36.1%	0.9%	0.8%	13.1%	0.0%	2.5%	0.4%	3.5%	1,501	19.6%	4.6%	39.6%	29.3%	7,666	
1990	1.5%	0.6%	14.8%	2.5%	5.9%	15.5%	2.4%	36.6%	0.9%	0.7%	12.5%	0.0%	2.3%	0.5%	3.2%	1,409	20.0%	4.8%	38.4%	29.8%	7,062	
1991	1.3%	0.7%	16.0%	2.7%	6.4%	15.9%	2.2%	34.2%	0.6%	0.7%	13.5%	0.0%	2.2%	0.6%	3.2%	1,559	20.2%	4.7%	37.3%	30.8%	7,704	
1992	1.3%	0.7%	16.9%	2.5%	6.5%	15.1%	2.4%	30.3%	0.5%	0.8%	16.9%	0.0%	2.1%	0.7%	3.1%	1,618	20.8%	4.8%	37.2%	30.1%	7,783	
1993	1.7%	0.7%	18.6%	2.6%	7.0%	14.9%	2.2%	30.1%	0.7%	0.8%	14.7%	0.0%	2.1%	0.7%	3.2%	1,830	20.2%	4.8%	37.8%	30.2%	9,050	
1994	2.0%	0.6%	18.6%	2.5%	6.9%	14.3%	2.0%	29.7%	0.9%	0.8%	15.5%	0.0%	2.0%	0.9%	3.2%	1,886	19.8%	4.8%	37.7%	30.9%	9,535	
1995	1.9%	0.6%	17.9%	2.8%	7.2%	14.3%	2.0%	29.5%	0.8%	0.8%	15.5%	0.0%	2.3%	0.8%	3.4%	1,790	19.3%	4.5%	37.8%	31.6%	9,298	
	Design Origin EU - Market Shares in Member States																Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World		
1986	45.8%	75.7%	62.2%	36.7%	76.1%	84.6%	5.1%	51.6%	19.5%	13.2%	55.5%	0.0%	35.9%	56.5%	16.4%	55.6%	44.3%	20.2%	34.0%	31.8%		
1987	42.3%	75.8%	62.2%	31.3%	74.7%	84.1%	4.3%	51.5%	26.7%	13.2%	59.5%	0.0%	32.7%	55.9%	18.2%	55.9%	45.3%	22.6%	37.7%	33.8%		
1988	47.4%	80.1%	64.7%	52.3%	71.8%	80.7%	41.8%	52.9%	35.3%	15.0%	63.8%	0.0%	19.7%	68.3%	14.8%	57.5%	46.7%	24.5%	37.4%	35.4%		
1989	48.3%	82.0%	62.6%	30.3%	67.1%	77.5%	43.8%	55.2%	42.9%	22.9%	58.4%	0.0%	24.3%	76.5%	18.3%	57.4%	47.2%	24.4%	38.5%	35.4%		
1990	51.4%	71.9%	61.1%	33.8%	64.8%	76.4%	40.9%	56.5%	45.6%	16.9%	60.4%	0.0%	30.5%	52.6%	20.9%	58.2%	49.9%	24.7%	39.7%	36.4%		
1991	57.4%	64.0%	56.1%	42.8%	61.9%	77.6%	41.8%	58.4%	69.9%	8.0%	56.7%	0.0%	23.5%	48.0%	25.2%	58.1%	52.9%	25.2%	41.1%	37.6%		
1992	59.4%	60.1%	52.0%	44.2%	62.7%	77.5%	49.6%	59.4%	54.8%	15.8%	41.8%	0.0%	35.0%	30.1%	28.0%	55.4%	53.8%	24.8%	41.6%	37.2%		
1993	53.9%	48.7%	52.3%	48.3%	59.7%	77.8%	50.2%	59.3%	63.3%	18.0%	49.5%	0.0%	39.9%	28.0%	26.9%	56.7%	55.4%	24.4%	40.9%	37.0%		
1994	45.6%	45.9%	52.4%	48.7%	57.9%	80.4%	54.8%	58.3%	53.2%	17.6%	41.1%	0.0%	43.2%	26.3%	22.2%	54.9%	56.1%	24.7%	41.6%	37.0%		
1995	50.9%	39.4%	53.4%	53.3%	54.3%	81.0%	52.8%	56.7%	64.3%	18.0%	41.2%	0.0%	40.1%	27.3%	27.0%	54.7%	57.4%	22.8%	41.0%	35.9%		
	Design Origin EU - Distribution among Member States																Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Value EU	EU	Rest of Europe	USA	Rest of World	Value World	
1986	1.1%	1.2%	16.7%	2.1%	5.5%	20.0%	0.1%	39.6%	0.4%	0.2%	9.4%	0.0%	2.8%	0.1%	0.8%	753	32.9%	6.7%	26.9%	27.6%	2,288	
1987	1.2%	1.1%	17.2%	1.8%	5.4%	20.0%	0.1%	37.5%	0.5%	0.2%	12.0%	0.0%	1.8%	0.2%	1.0%	683	31.2%	6.8%	27.3%	31.1%	2,188	
1988	1.2%	0.9%	17.6%	1.6%	6.3%	19.7%	1.6%	35.8%	0.5%	0.3%	12.5%	0.0%	0.8%	0.3%	0.8%	764	32.1%	6.6%	26.9%	30.8%	2,380	
1989	1.2%	1.0%	16.5%	1.5%	6.6%	19.9%	1.6%	34.7%	0.7%	0.3%	13.3%	0.0%	1.1%	0.5%	1.1%	862	31.7%	6.1%	27.3%	31.9%	2,717	
1990	1.3%	0.8%	15.6%	1.5%	6.6%	20.4%	1.7%	35.5%	0.7%	0.2%	13.0%	0.0%	1.2%	0.4%	1.1%	820	31.9%	6.5%	26.1%	32.5%	2,570	
1991	1.3%	0.8%	15.5%	2.0%	6.8%	21.2%	1.6%	34.3%	0.7%	0.1%	13.1%	0.0%	0.9%	0.5%	1.4%	907	31.3%	6.6%	25.0%	33.7%	2,895	
1992	1.4%	0.8%	15.8%	2.0%	7.4%	21.2%	2.1%	32.5%	0.5%	0.2%	12.7%	0.0%	1.4%	0.4%	1.6%	897	31.0%	6.9%	24.8%	33.7%	2,896	
1993	1.6%	0.6%	17.2%	2.2%	7.3%	20.5%	1.9%	31.5%	0.7%	0.3%	12.9%	0.0%	1.5%	0.4%	1.5%	1,038	31.0%	7.2%	25.0%	33.3%	3,344	
1994	1.7%	0.5%	17.8%	2.2%	7.3%	20.9%	2.0%	31.5%	0.9%	0.3%	11.6%	0.0%	1.6%	0.4%	1.3%	1,035	29.3%	7.2%	25.2%	34.7%	3,527	
1995	1.8%	0.5%	17.5%	2.7%	7.2%	21.1%	2.0%	30.6%	1.0%	0.3%	11.7%	0.0%	1.6%	0.4%	1.7%	980	29.3%	7.1%	24.0%	36.1%	3,342	

Source: EUROCOPTER

TABLE 4.6

## WORLD CIVIL AND STATE HELICOPTER FLEET

Category: Piston Engine

(Units at Year-end)

	Member State Breakdown in % of EU Total															Geographical Breakdown % of World Total					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Rest of World	Units World
1986	0.9%	1.2%	23.5%	1.5%	6.6%	19.5%	1.5%	23.8%	1.8%	0.2%	8.4%	0.0%	0.9%	0.9%	9.3%	665	11.0%	2.1%	66.8%	17.5%	6,073
1987	1.2%	1.1%	20.5%	1.4%	6.6%	21.6%	1.8%	23.5%	2.9%	0.3%	8.9%	0.0%	0.8%	1.0%	8.4%	727	11.9%	2.2%	65.2%	18.0%	6,133
1988	1.1%	1.1%	16.2%	1.3%	6.1%	23.4%	1.8%	27.6%	2.9%	0.5%	9.5%	0.0%	0.9%	0.7%	7.0%	852	13.6%	2.2%	62.8%	18.4%	6,255
1989	0.9%	0.7%	14.0%	1.1%	6.1%	23.2%	1.9%	32.0%	2.6%	0.6%	9.3%	0.0%	1.0%	0.6%	6.0%	1,009	15.3%	2.2%	60.7%	18.8%	6,586
1990	1.2%	1.0%	13.7%	1.2%	5.5%	23.2%	2.5%	33.4%	2.1%	0.9%	9.1%	0.0%	1.0%	0.6%	4.8%	1,127	16.2%	2.1%	59.0%	19.4%	6,947
1991	0.8%	1.3%	15.0%	1.6%	5.5%	21.6%	2.8%	31.6%	2.3%	1.0%	9.9%	0.0%	1.0%	0.6%	4.7%	1,195	16.6%	2.1%	58.3%	19.9%	7,193
1992	1.0%	2.1%	15.8%	1.7%	5.5%	20.9%	2.6%	29.2%	2.7%	1.3%	10.5%	0.0%	1.2%	0.6%	4.9%	1,256	17.1%	2.1%	57.2%	20.2%	7,342
1993	1.1%	2.6%	15.8%	1.9%	6.0%	21.4%	2.2%	27.8%	2.7%	1.4%	9.9%	0.0%	1.5%	0.8%	4.9%	1,227	16.3%	2.2%	57.0%	20.8%	7,510
1994	1.3%	2.7%	17.2%	1.9%	6.1%	20.4%	2.1%	27.2%	2.8%	1.3%	9.5%	0.0%	1.6%	1.0%	4.8%	1,239	16.3%	2.4%	55.9%	21.6%	7,621
1995	1.3%	2.8%	17.3%	1.9%	5.9%	21.0%	2.4%	26.6%	2.8%	1.0%	10.1%	0.0%	1.5%	1.2%	4.4%	1,269	16.5%	2.2%	54.9%	22.4%	7,708
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	1.3%	0.0%	0.0%	1.8%	-	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.1%	0.1%	
1987	0.0%	0.0%	0.7%	0.0%	0.0%	1.3%	0.0%	1.2%	0.0%	0.0%	1.5%	-	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.1%	0.1%	
1988	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	1.2%	-	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.1%	0.1%	
1989	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	1.1%	-	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.1%	
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	0.0%	
1991	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	0.0%	
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	0.0%	
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	0.0%	
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	
1995	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Rest of World	Units World
1986	0.0%	0.0%	0.0%	0.0%	0.0%	40.0%	0.0%	40.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	5	83.3%	0.0%	0.0%	16.7%	6
1987	0.0%	0.0%	16.7%	0.0%	0.0%	33.3%	0.0%	33.3%	0.0%	0.0%	16.7%	0.0%	0.0%	0.0%	0.0%	6	85.7%	0.0%	0.0%	14.3%	7
1988	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	4	80.0%	0.0%	0.0%	20.0%	5
1989	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	66.7%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	3	75.0%	0.0%	0.0%	25.0%	4
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2	66.7%	0.0%	0.0%	33.3%	3
1991	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2	66.7%	0.0%	0.0%	33.3%	3
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2	66.7%	0.0%	0.0%	33.3%	3
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2	66.7%	0.0%	0.0%	33.3%	3
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2	100.0%	0.0%	0.0%	0.0%	2
1995	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2	100.0%	0.0%	0.0%	0.0%	2

Source: EUROCOPTER



TABLE 4.7

## WORLD CIVIL AND STATE HELICOPTER FLEET

Category: Piston Engine

(Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU Total															Geographical Breakdown % of World Total					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Value EU	EU	Rest of Europe	USA	Rest of World	Value World
1986	0.9 %	1.1 %	24.5 %	1.5 %	6.4 %	19.6 %	1.4 %	22.8 %	1.8 %	0.1 %	8.5 %	0.0 %	0.9 %	0.9 %	9.5 %	52	11.4 %	2.6 %	65.6 %	17.8 %	454
1987	1.2 %	1.0 %	21.5 %	1.4 %	6.4 %	21.7 %	1.7 %	22.3 %	2.9 %	0.2 %	9.2 %	0.0 %	0.9 %	1.0 %	8.6 %	48	12.3 %	2.7 %	64.1 %	18.2 %	392
1988	1.1 %	0.9 %	17.3 %	1.3 %	6.0 %	23.6 %	1.7 %	25.9 %	2.9 %	0.4 %	9.8 %	0.0 %	1.0 %	0.7 %	7.4 %	55	14.0 %	2.7 %	61.8 %	18.6 %	392
1989	0.9 %	0.7 %	14.9 %	1.1 %	6.0 %	23.4 %	1.9 %	30.4 %	2.6 %	0.5 %	9.7 %	0.0 %	1.0 %	0.6 %	6.4 %	70	15.9 %	2.7 %	59.4 %	19.0 %	444
1990	1.2 %	0.9 %	14.5 %	1.1 %	5.3 %	23.4 %	2.5 %	31.9 %	2.2 %	0.9 %	9.4 %	0.0 %	1.0 %	0.6 %	5.0 %	69	16.8 %	2.6 %	57.6 %	19.7 %	408
1991	0.8 %	1.6 %	15.8 %	1.5 %	5.3 %	21.7 %	2.8 %	30.3 %	2.3 %	0.9 %	10.3 %	0.0 %	1.1 %	0.6 %	4.9 %	76	17.3 %	2.5 %	56.8 %	20.2 %	437
1992	1.0 %	2.0 %	16.4 %	1.6 %	5.3 %	21.1 %	2.7 %	27.8 %	2.7 %	1.2 %	11.0 %	0.0 %	1.3 %	0.6 %	5.1 %	77	17.9 %	2.5 %	55.7 %	20.5 %	429
1993	1.1 %	2.6 %	16.2 %	1.8 %	5.8 %	21.8 %	2.3 %	26.5 %	2.7 %	1.3 %	10.5 %	0.0 %	1.6 %	0.8 %	5.2 %	83	17.0 %	2.7 %	55.5 %	21.1 %	488
1994	1.4 %	2.7 %	19.2 %	2.0 %	5.5 %	20.1 %	2.0 %	26.3 %	2.8 %	1.1 %	9.5 %	0.0 %	1.6 %	0.9 %	4.7 %	88	17.6 %	2.8 %	52.9 %	22.7 %	503
1995	1.3 %	2.6 %	19.6 %	2.3 %	5.1 %	20.4 %	2.3 %	25.9 %	2.6 %	0.9 %	10.1 %	0.0 %	1.5 %	1.2 %	4.2 %	87	18.0 %	2.6 %	50.7 %	24.3 %	481
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	0.0 %	0.5 %	0.0 %	0.0 %	0.7 %	-	0.0 %	0.0 %	0.0 %	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	
1987	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.5 %	0.0 %	0.5 %	0.0 %	0.0 %	0.6 %	-	0.0 %	0.0 %	0.0 %	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	
1988	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.3 %	0.0 %	0.0 %	0.6 %	-	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	0.0 %	
1989	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.5 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	
1990	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.1 %	0.0 %	
1991	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.1 %	0.0 %	
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Value EU	EU	Rest of Europe	USA	Rest of World	Value World
1986	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	40.5 %	0.0 %	39.2 %	0.0 %	0.0 %	20.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.150	83.1 %	0.0 %	0.0 %	16.9 %	0.181
1987	0.0 %	0.0 %	14.9 %	0.0 %	0.0 %	34.5 %	0.0 %	33.3 %	0.0 %	0.0 %	17.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.151	85.3 %	0.0 %	0.0 %	14.7 %	0.177
1988	0.0 %	0.0 %	21.1 %	0.0 %	0.0 %	0.0 %	0.0 %	47.2 %	0.0 %	0.0 %	31.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.104	75.9 %	0.0 %	0.0 %	24.1 %	0.137
1989	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	59.8 %	0.0 %	0.0 %	40.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.088	71.3 %	0.0 %	0.0 %	28.7 %	0.123
1990	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.046	50.0 %	0.0 %	0.0 %	50.0 %	0.091
1991	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.047	50.0 %	0.0 %	0.0 %	50.0 %	0.094
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.045	50.0 %	0.0 %	0.0 %	50.0 %	0.089
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.050	50.0 %	0.0 %	0.0 %	50.0 %	0.099
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.049	100.0 %	0.0 %	0.0 %	0.0 %	0.049
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.044	100.0 %	0.0 %	0.0 %	0.0 %	0.044

Source: EUROCOPTER

TABLE 4.8

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Light Single Engine**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total																Units EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU		Rest of Europe	USA	Rest of World	Units World	
1986	3.4 %	1.4 %	16.2 %	1.1 %	4.1 %	32.9 %	2.1 %	19.0 %	0.5 %	1.0 %	11.5 %	0.0 %	0.5 %	0.3 %	5.9 %	912	13.3 %	2.9 %	47.6 %	25.2 %	6,879	
1987	3.6 %	1.3 %	15.7 %	1.2 %	4.5 %	32.8 %	2.1 %	18.2 %	0.5 %	0.9 %	11.3 %	0.0 %	0.5 %	0.7 %	6.6 %	992	14.3 %	3.2 %	45.1 %	26.3 %	6,956	
1988	3.6 %	0.9 %	14.2 %	1.2 %	4.6 %	33.2 %	2.2 %	18.6 %	0.5 %	1.1 %	10.9 %	0.0 %	0.3 %	1.5 %	7.1 %	1,070	15.2 %	3.3 %	42.5 %	27.8 %	7,056	
1989	3.4 %	0.9 %	13.0 %	1.0 %	5.2 %	32.7 %	1.9 %	19.0 %	0.4 %	1.3 %	11.4 %	0.0 %	0.3 %	1.7 %	7.7 %	1,188	16.3 %	3.5 %	41.0 %	28.1 %	7,283	
1990	3.6 %	1.0 %	13.0 %	1.0 %	5.4 %	33.3 %	2.2 %	18.6 %	0.4 %	1.3 %	10.7 %	0.0 %	0.3 %	1.7 %	7.6 %	1,250	16.6 %	3.5 %	40.0 %	28.4 %	7,537	
1991	3.3 %	1.2 %	14.0 %	0.8 %	6.2 %	33.6 %	1.9 %	16.0 %	0.5 %	1.0 %	11.8 %	0.0 %	0.4 %	1.7 %	7.7 %	1,329	17.1 %	3.6 %	39.5 %	28.3 %	7,756	
1992	3.3 %	1.4 %	15.4 %	0.9 %	6.6 %	33.2 %	1.9 %	14.6 %	0.6 %	1.1 %	11.8 %	0.0 %	0.3 %	1.6 %	7.5 %	1,373	17.3 %	3.7 %	38.8 %	28.6 %	7,944	
1993	3.5 %	1.5 %	16.7 %	0.7 %	7.1 %	33.6 %	1.8 %	13.5 %	0.6 %	1.0 %	11.6 %	0.0 %	0.4 %	1.4 %	6.6 %	1,355	16.8 %	3.6 %	39.1 %	28.7 %	8,086	
1994	3.4 %	1.4 %	16.2 %	0.8 %	7.2 %	32.4 %	1.9 %	13.8 %	0.8 %	1.0 %	12.3 %	0.1 %	0.5 %	2.0 %	6.0 %	1,345	16.4 %	3.5 %	39.0 %	29.4 %	8,210	
1995	3.6 %	1.6 %	16.5 %	1.1 %	7.6 %	31.9 %	2.1 %	14.3 %	0.9 %	1.1 %	11.8 %	0.1 %	0.7 %	1.5 %	5.5 %	1,378	16.2 %	3.4 %	39.8 %	29.2 %	8,508	
	Design Origin EU - Market Shares in Member States																Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World		
1986	41.9 %	53.8 %	55.4 %	10.0 %	51.4 %	88.3 %	5.3 %	24.3 %	60.0 %	22.2 %	51.4 %	-	60.0 %	66.7 %	22.2 %	55.5 %	56.6 %	12.7 %	25.9 %	22.6 %		
1987	41.7 %	53.8 %	51.3 %	16.7 %	53.3 %	86.5 %	4.8 %	19.9 %	60.0 %	22.2 %	55.4 %	-	60.0 %	57.1 %	21.5 %	53.8 %	56.5 %	12.8 %	25.8 %	23.3 %		
1988	48.7 %	60.0 %	52.0 %	23.1 %	51.0 %	84.8 %	4.2 %	16.1 %	60.0 %	16.7 %	61.5 %	-	33.3 %	81.3 %	17.1 %	53.3 %	54.8 %	12.5 %	24.9 %	23.4 %		
1989	47.5 %	63.6 %	46.8 %	25.0 %	56.5 %	84.8 %	4.3 %	15.0 %	60.0 %	20.0 %	59.6 %	-	33.3 %	85.0 %	20.7 %	52.6 %	51.8 %	12.7 %	26.0 %	24.2 %		
1990	48.9 %	50.0 %	44.4 %	30.8 %	55.2 %	83.2 %	3.6 %	17.2 %	60.0 %	18.8 %	67.9 %	-	25.0 %	81.0 %	22.1 %	53.1 %	53.4 %	12.0 %	27.2 %	24.7 %		
1991	50.0 %	43.8 %	37.6 %	36.4 %	54.2 %	82.5 %	0.0 %	17.0 %	50.0 %	15.4 %	61.1 %	-	20.0 %	78.3 %	21.6 %	52.2 %	53.7 %	12.0 %	27.5 %	25.1 %		
1992	51.1 %	42.1 %	34.6 %	50.0 %	60.0 %	82.7 %	0.0 %	21.5 %	25.0 %	13.3 %	60.5 %	-	25.0 %	50.0 %	22.3 %	52.5 %	50.7 %	12.3 %	27.7 %	25.5 %		
1993	51.1 %	38.1 %	35.0 %	30.0 %	57.3 %	83.1 %	0.0 %	23.0 %	25.0 %	7.7 %	61.8 %	-	33.3 %	42.1 %	22.5 %	53.1 %	50.9 %	12.9 %	27.4 %	25.5 %		
1994	54.3 %	42.1 %	37.2 %	27.3 %	57.7 %	84.2 %	0.0 %	22.7 %	9.1 %	7.1 %	58.4 %	0.0 %	28.6 %	33.3 %	21.0 %	52.7 %	53.1 %	13.5 %	26.7 %	25.7 %		
1995	49.0 %	31.8 %	38.3 %	26.7 %	56.2 %	85.0 %	0.0 %	23.9 %	16.7 %	6.7 %	56.8 %	0.0 %	44.4 %	40.0 %	22.4 %	52.6 %	51.4 %	13.0 %	27.3 %	25.5 %		
	Design Origin EU - Distribution among Member States																Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Units World		
1986	2.6 %	1.4 %	16.2 %	0.2 %	3.8 %	52.4 %	0.2 %	8.3 %	0.6 %	0.4 %	10.7 %	0.0 %	0.6 %	0.4 %	2.4 %	506	32.5 %	7.2 %	26.6 %	28.8 %	1,558	
1987	2.8 %	1.3 %	15.0 %	0.4 %	4.5 %	52.6 %	0.2 %	6.7 %	0.6 %	0.4 %	11.6 %	0.0 %	0.6 %	0.7 %	2.6 %	534	33.0 %	7.8 %	24.8 %	29.2 %	1,619	
1988	3.3 %	1.1 %	13.9 %	0.5 %	4.4 %	52.8 %	0.2 %	5.6 %	0.5 %	0.4 %	12.6 %	0.0 %	0.2 %	2.3 %	2.3 %	570	34.6 %	7.6 %	22.7 %	29.7 %	1,648	
1989	3.0 %	1.1 %	11.5 %	0.5 %	5.6 %	52.8 %	0.2 %	5.4 %	0.5 %	0.5 %	13.0 %	0.0 %	0.2 %	2.7 %	3.0 %	625	35.4 %	7.4 %	21.5 %	30.1 %	1,765	
1990	3.3 %	0.9 %	10.8 %	0.6 %	5.6 %	52.1 %	0.2 %	6.0 %	0.5 %	0.5 %	13.7 %	0.0 %	0.2 %	2.6 %	3.2 %	664	35.7 %	7.5 %	19.5 %	31.3 %	1,862	
1991	3.2 %	1.0 %	10.1 %	0.6 %	6.5 %	53.0 %	0.0 %	5.2 %	0.4 %	0.3 %	13.8 %	0.0 %	0.1 %	2.6 %	3.2 %	694	35.7 %	7.8 %	18.9 %	31.0 %	1,946	
1992	3.2 %	1.1 %	10.1 %	0.8 %	7.5 %	52.3 %	0.0 %	6.0 %	0.3 %	0.3 %	13.6 %	0.0 %	0.1 %	1.5 %	3.2 %	721	35.6 %	7.4 %	18.8 %	31.1 %	2,023	
1993	3.3 %	1.1 %	11.0 %	0.4 %	7.6 %	52.6 %	0.0 %	5.8 %	0.3 %	0.1 %	13.5 %	0.0 %	0.3 %	1.1 %	2.8 %	719	34.9 %	7.1 %	19.8 %	30.8 %	2,060	
1994	3.5 %	1.1 %	11.4 %	0.4 %	7.9 %	51.8 %	0.0 %	5.9 %	0.1 %	0.1 %	13.7 %	0.0 %	0.3 %	1.3 %	2.4 %	709	33.6 %	7.3 %	20.5 %	30.5 %	2,109	
1995	3.3 %	1.0 %	12.0 %	0.6 %	8.1 %	51.4 %	0.0 %	6.5 %	0.3 %	0.1 %	12.7 %	0.0 %	0.6 %	1.1 %	2.3 %	725	33.4 %	6.9 %	20.3 %	31.2 %	2,173	

Source: EUROCOPTER

TABLE 4.9

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Light Single Engine**  
**(Value in Current Prices at Year-end - Mio. ECU)**

	Member State Breakdown in % of EU Total															Value EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Value World
1986	4.1	1.1	15.6	1.2	3.4	29.5	2.2	20.7	0.6	1.1	12.8	0.0	0.6	0.4	6.8	335	12.1	2.8	45.2	24.6	2,782
1987	4.3	1.0	14.8	1.3	4.1	30.0	2.2	19.5	0.5	1.0	12.4	0.0	0.5	0.8	7.5	316	13.1	3.2	46.5	25.9	2,414
1988	4.3	0.6	13.3	1.3	4.4	31.5	2.4	19.3	0.5	1.2	11.9	0.0	0.3	1.0	8.0	343	14.2	3.2	43.7	27.6	2,419
1989	3.9	0.7	11.9	1.1	5.4	30.9	2.0	19.7	0.4	1.4	12.3	0.0	0.3	1.2	8.9	411	15.2	3.5	42.1	28.0	2,702
1990	4.2	0.7	12.0	1.1	5.6	31.8	2.3	18.7	0.4	1.4	11.8	0.0	0.3	1.2	8.5	386	15.7	3.5	40.8	28.5	2,466
1991	3.8	0.9	13.3	0.9	6.7	32.4	1.9	15.7	0.4	1.1	12.8	0.0	0.3	1.3	8.5	435	16.4	3.6	40.1	28.4	2,661
1992	3.7	1.1	14.9	1.0	7.0	32.2	1.9	14.3	0.6	1.1	12.6	0.0	0.3	1.3	8.1	441	16.7	3.7	39.0	28.9	2,646
1993	3.8	1.3	16.5	0.9	7.5	32.3	1.9	13.0	0.6	1.0	12.3	0.0	0.3	1.2	7.3	490	16.2	3.6	39.3	28.9	3,028
1994	3.9	1.2	16.0	0.9	7.6	31.6	1.9	13.3	0.7	1.1	13.2	0.1	0.5	1.6	6.4	485	15.8	3.6	39.0	29.8	3,076
1995	4.1	1.3	16.3	1.3	8.0	31.0	2.0	13.8	0.8	1.2	12.4	0.1	0.6	1.2	5.9	462	15.4	3.4	39.6	29.9	2,993
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	46.9	39.0	48.1	13.1	45.6	85.7	1.7	26.1	58.9	27.3	56.1	-	59.8	76.8	23.3	52.3	55.8	13.9	29.2	23.2	
1987	45.7	39.1	44.4	21.5	48.4	83.7	1.6	21.4	58.9	27.4	60.6	-	59.8	67.0	22.8	51.2	56.6	14.1	29.1	24.0	
1988	53.6	43.2	44.3	29.2	47.9	82.9	1.3	17.2	59.0	20.7	66.9	-	30.1	76.6	17.8	51.2	54.8	13.9	29.0	24.3	
1989	53.0	52.3	39.1	30.5	54.9	83.0	1.4	15.3	59.1	23.8	64.4	-	30.1	83.2	22.1	50.7	52.8	14.2	29.1	25.2	
1990	54.1	33.3	37.6	37.6	54.2	81.9	1.1	17.2	59.7	23.2	72.5	-	24.0	75.7	24.3	51.9	54.9	13.6	30.8	26.1	
1991	56.4	34.1	30.8	43.9	53.2	81.7	0.0	17.8	52.5	19.0	66.8	-	18.8	73.4	23.9	51.8	55.7	13.7	31.6	26.9	
1992	57.3	35.9	28.3	55.3	60.0	82.3	0.0	23.6	24.8	17.0	66.4	-	23.9	34.1	24.4	52.5	52.1	14.2	32.0	27.7	
1993	57.7	30.8	29.5	33.7	56.9	82.9	0.0	26.0	24.9	9.3	67.8	-	24.0	29.8	24.6	53.1	52.2	15.0	31.8	27.8	
1994	60.6	34.0	31.8	32.2	56.6	84.4	0.0	25.4	6.5	8.9	64.1	0.0	18.1	28.7	22.4	53.1	54.5	16.1	31.1	28.5	
1995	54.8	22.7	34.7	30.1	54.9	85.1	0.0	25.8	11.9	8.5	62.8	0.0	43.1	36.5	24.2	53.1	52.5	15.6	31.7	28.3	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Value EU	EU	Rest of Europe	USA	Rest of World	Value World
1986	3.7	0.8	14.3	0.3	3.0	48.3	0.1	10.3	0.7	0.6	13.7	0.0	0.7	0.6	3.0	176	27.2	6.8	29.4	31.0	645
1987	3.9	0.8	12.9	0.5	3.9	49.0	0.1	8.1	0.6	0.5	14.7	0.0	0.6	1.0	3.4	162	27.9	7.4	27.3	31.4	579
1988	4.5	0.5	11.5	0.7	4.1	51.0	0.1	6.5	0.5	0.5	15.6	0.0	0.2	1.4	2.8	176	29.9	7.3	25.0	31.8	587
1989	4.1	0.7	9.2	0.7	5.8	50.6	0.1	6.1	0.5	0.7	15.6	0.0	0.1	2.0	3.9	208	30.6	7.3	23.7	32.3	681
1990	4.4	0.4	8.7	0.8	5.8	50.1	0.0	6.2	0.5	0.6	16.5	0.0	0.1	1.8	4.0	201	31.2	7.3	21.2	33.7	643
1991	4.1	0.6	7.9	0.8	6.9	51.1	0.0	5.4	0.4	0.4	16.4	0.0	0.1	1.9	3.9	226	31.5	7.5	20.4	33.3	717
1992	4.1	0.8	8.1	1.1	8.0	50.4	0.0	6.4	0.3	0.4	15.9	0.0	0.1	0.8	3.8	232	31.7	7.0	20.0	33.4	732
1993	4.2	0.8	9.2	0.6	8.1	50.5	0.0	6.4	0.3	0.2	15.7	0.0	0.2	0.7	3.4	260	30.9	6.8	21.2	33.1	843
1994	4.4	0.8	9.6	0.6	8.1	50.3	0.0	6.4	0.1	0.2	15.9	0.0	0.2	0.9	2.7	257	29.4	6.8	22.0	32.7	875
1995	4.2	0.6	10.7	0.8	8.3	49.7	0.0	6.7	0.2	0.2	14.7	0.0	0.5	0.8	2.7	245	29.0	6.3	21.8	33.6	847

Source: EUROCOPTER

TABLE 4.10

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Light Twin Engine**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Units World
1986	1.6 %	0.4 %	32.8 %	0.0 %	17.6 %	6.6 %	0.4 %	16.0 %	1.2 %	0.8 %	18.0 %	0.0 %	3.3 %	0.0 %	1.2 %	<b>244</b>	23.5 %	4.9 %	45.3 %	24.6 %	<b>1,037</b>
1987	1.4 %	0.4 %	32.6 %	0.0 %	16.1 %	6.1 %	0.4 %	16.5 %	1.4 %	0.7 %	20.1 %	0.0 %	2.9 %	0.0 %	1.4 %	<b>279</b>	24.6 %	5.5 %	41.4 %	26.0 %	<b>1,135</b>
1988	1.0 %	0.3 %	30.4 %	0.0 %	16.7 %	6.9 %	0.3 %	17.3 %	1.6 %	1.0 %	19.9 %	0.0 %	2.9 %	0.0 %	1.6 %	<b>306</b>	24.8 %	5.2 %	38.2 %	28.7 %	<b>1,234</b>
1989	1.2 %	0.3 %	28.1 %	0.0 %	15.3 %	7.2 %	0.6 %	20.1 %	2.1 %	0.9 %	20.4 %	0.0 %	2.4 %	0.0 %	1.5 %	<b>334</b>	25.5 %	5.2 %	36.2 %	30.0 %	<b>1,311</b>
1990	1.1 %	0.3 %	27.7 %	0.0 %	14.8 %	7.8 %	1.4 %	19.0 %	2.2 %	0.6 %	21.3 %	0.0 %	2.0 %	0.6 %	1.1 %	<b>357</b>	25.1 %	4.7 %	35.0 %	32.4 %	<b>1,423</b>
1991	1.3 %	0.3 %	28.8 %	0.0 %	14.0 %	8.4 %	1.3 %	18.6 %	2.0 %	0.3 %	21.7 %	0.0 %	1.8 %	0.8 %	0.8 %	<b>392</b>	25.7 %	5.0 %	33.3 %	32.9 %	<b>1,527</b>
1992	1.6 %	0.2 %	32.7 %	0.0 %	13.6 %	7.9 %	1.2 %	16.8 %	1.6 %	0.7 %	20.1 %	0.0 %	1.6 %	0.7 %	1.2 %	<b>428</b>	27.0 %	5.7 %	32.7 %	31.4 %	<b>1,588</b>
1993	2.2 %	0.2 %	33.3 %	0.0 %	13.6 %	7.8 %	0.9 %	16.0 %	2.2 %	0.9 %	19.6 %	0.0 %	1.6 %	0.7 %	1.1 %	<b>450</b>	27.3 %	6.3 %	33.0 %	30.4 %	<b>1,649</b>
1994	2.2 %	0.4 %	34.1 %	0.0 %	13.8 %	7.4 %	1.1 %	17.5 %	2.8 %	0.9 %	17.2 %	0.0 %	1.5 %	0.7 %	0.4 %	<b>458</b>	26.9 %	6.6 %	33.0 %	30.6 %	<b>1,704</b>
1995	2.6 %	0.4 %	33.4 %	0.0 %	13.8 %	7.4 %	1.1 %	17.2 %	3.2 %	0.9 %	16.6 %	0.0 %	1.5 %	0.9 %	1.1 %	<b>470</b>	27.1 %	7.0 %	31.4 %	31.8 %	<b>1,734</b>

	Design Origin EU - Market Shares in Member States															Units EU	Design Origin EU - Market Shares in Zones				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	World
1986	100.0 %	100.0 %	100.0 %	-	100.0 %	100.0 %	100.0 %	87.2 %	100.0 %	50.0 %	100.0 %	-	87.5 %	-	33.3 %	<b>244</b>	96.3 %	25.5 %	78.7 %	90.6 %	83.4 %
1987	100.0 %	100.0 %	98.9 %	-	100.0 %	100.0 %	100.0 %	84.8 %	100.0 %	50.0 %	100.0 %	-	87.5 %	-	50.0 %	<b>279</b>	95.7 %	35.5 %	81.5 %	86.4 %	84.0 %
1988	100.0 %	100.0 %	97.8 %	-	100.0 %	100.0 %	100.0 %	90.6 %	100.0 %	66.7 %	100.0 %	-	88.9 %	-	40.0 %	<b>306</b>	96.1 %	35.9 %	84.1 %	84.2 %	84.5 %
1989	100.0 %	100.0 %	97.9 %	-	100.0 %	100.0 %	100.0 %	92.5 %	100.0 %	66.7 %	100.0 %	-	87.5 %	-	40.0 %	<b>334</b>	96.4 %	36.8 %	83.6 %	85.0 %	84.8 %
1990	100.0 %	100.0 %	97.0 %	-	100.0 %	100.0 %	100.0 %	92.6 %	100.0 %	50.0 %	100.0 %	-	85.7 %	0.0 %	50.0 %	<b>357</b>	96.1 %	37.3 %	86.5 %	87.2 %	86.8 %
1991	100.0 %	100.0 %	92.9 %	-	100.0 %	97.0 %	100.0 %	93.2 %	100.0 %	0.0 %	100.0 %	-	85.7 %	0.0 %	100.0 %	<b>392</b>	95.2 %	37.7 %	87.2 %	88.7 %	86.9 %
1992	100.0 %	100.0 %	80.0 %	-	100.0 %	97.1 %	100.0 %	93.1 %	100.0 %	66.7 %	100.0 %	-	85.7 %	0.0 %	100.0 %	<b>428</b>	90.9 %	38.9 %	85.5 %	91.4 %	85.9 %
1993	100.0 %	100.0 %	84.7 %	-	100.0 %	97.1 %	100.0 %	93.1 %	100.0 %	75.0 %	100.0 %	-	100.0 %	0.0 %	100.0 %	<b>450</b>	92.7 %	41.3 %	84.4 %	91.8 %	85.9 %
1994	100.0 %	100.0 %	84.6 %	-	100.0 %	97.1 %	100.0 %	93.8 %	100.0 %	75.0 %	100.0 %	-	100.0 %	0.0 %	100.0 %	<b>458</b>	92.6 %	42.5 %	83.1 %	91.6 %	85.3 %
1995	100.0 %	100.0 %	84.1 %	-	98.5 %	97.1 %	100.0 %	96.3 %	100.0 %	75.0 %	100.0 %	-	100.0 %	0.0 %	80.0 %	<b>470</b>	92.3 %	41.3 %	81.3 %	91.3 %	84.3 %

	Design Origin EU - Distribution among Member States															Units EU	Design Origin EU Distribution among Zones				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Units World
1986	1.7 %	0.4 %	34.0 %	0.0 %	18.3 %	6.8 %	0.4 %	14.5 %	1.3 %	0.4 %	18.7 %	0.0 %	3.0 %	0.0 %	0.4 %	<b>235</b>	27.2 %	1.5 %	42.8 %	26.7 %	<b>865</b>
1987	1.5 %	0.4 %	33.7 %	0.0 %	16.9 %	6.4 %	0.4 %	14.6 %	1.5 %	0.4 %	21.0 %	0.0 %	2.6 %	0.0 %	0.7 %	<b>267</b>	28.0 %	2.3 %	40.2 %	26.8 %	<b>953</b>
1988	1.0 %	0.3 %	31.0 %	0.0 %	17.3 %	7.1 %	0.3 %	16.3 %	1.7 %	0.7 %	20.7 %	0.0 %	2.7 %	0.0 %	0.7 %	<b>294</b>	28.2 %	2.2 %	38.0 %	28.6 %	<b>1,043</b>
1989	1.2 %	0.3 %	28.6 %	0.0 %	15.8 %	7.5 %	0.6 %	19.3 %	2.2 %	0.6 %	21.1 %	0.0 %	2.2 %	0.0 %	0.6 %	<b>322</b>	29.0 %	2.2 %	35.7 %	30.0 %	<b>1,112</b>
1990	1.2 %	0.3 %	28.0 %	0.0 %	15.5 %	8.2 %	1.5 %	18.4 %	2.3 %	0.3 %	22.2 %	0.0 %	1.7 %	0.0 %	0.6 %	<b>343</b>	27.8 %	2.0 %	34.9 %	32.6 %	<b>1,235</b>
1991	1.3 %	0.3 %	28.2 %	0.0 %	14.7 %	8.6 %	1.3 %	18.2 %	2.1 %	0.0 %	22.8 %	0.0 %	1.6 %	0.0 %	0.8 %	<b>373</b>	28.1 %	2.2 %	33.5 %	33.6 %	<b>1,327</b>
1992	1.8 %	0.3 %	28.8 %	0.0 %	14.9 %	8.5 %	1.3 %	17.2 %	1.8 %	0.5 %	22.1 %	0.0 %	1.5 %	0.0 %	1.3 %	<b>389</b>	28.5 %	2.6 %	32.6 %	33.4 %	<b>1,364</b>
1993	2.4 %	0.2 %	30.5 %	0.0 %	14.6 %	8.2 %	1.0 %	16.1 %	2.4 %	0.7 %	21.1 %	0.0 %	1.7 %	0.0 %	1.2 %	<b>417</b>	29.4 %	3.0 %	32.4 %	32.5 %	<b>1,417</b>
1994	2.4 %	0.5 %	31.1 %	0.0 %	14.9 %	7.8 %	1.2 %	17.7 %	3.1 %	0.7 %	18.6 %	0.0 %	1.7 %	0.0 %	0.5 %	<b>424</b>	29.2 %	3.3 %	32.2 %	32.9 %	<b>1,453</b>
1995	2.8 %	0.5 %	30.4 %	0.0 %	14.7 %	7.8 %	1.2 %	18.0 %	3.5 %	0.7 %	18.0 %	0.0 %	1.6 %	0.0 %	0.9 %	<b>434</b>	29.7 %	3.4 %	30.3 %	34.5 %	<b>1,461</b>

Source: EUROCOPTER

TABLE 4.11

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Light Twin Engine**  
**(Value in Current Prices at Year-end - Mio. ECU)**

	Member State Breakdown in % of EU Total															Value EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Value World
1986	1.2%	0.9%	32.1%	0.0%	17.8%	4.9%	0.3%	15.3%	1.0%	1.0%	20.7%	0.0%	3.1%	0.0%	1.7%	169	22.4%	2.2%	48.7%	24.9%	757
1987	1.0%	0.8%	32.7%	0.0%	15.8%	4.6%	0.2%	15.5%	1.2%	0.8%	23.0%	0.0%	2.6%	0.0%	1.8%	174	23.6%	2.8%	44.7%	26.4%	738
1988	0.7%	0.7%	30.0%	0.0%	18.2%	5.1%	0.2%	15.3%	1.6%	1.1%	22.5%	0.0%	2.6%	0.0%	2.0%	195	23.9%	2.7%	41.3%	29.1%	816
1989	0.8%	0.6%	27.9%	0.0%	16.6%	5.4%	0.7%	17.4%	2.1%	1.0%	23.3%	0.0%	2.2%	0.0%	1.8%	231	24.0%	2.6%	39.7%	30.9%	963
1990	0.8%	0.3%	27.7%	0.0%	16.8%	5.9%	1.4%	16.6%	2.2%	0.6%	23.7%	0.0%	1.8%	0.8%	1.3%	219	23.0%	2.2%	37.7%	34.6%	951
1991	0.9%	0.3%	29.1%	0.0%	15.8%	6.7%	1.3%	16.1%	2.0%	0.3%	24.2%	0.0%	1.6%	1.0%	0.7%	255	23.8%	2.4%	35.5%	35.7%	1,073
1992	1.2%	0.3%	31.1%	0.0%	15.4%	6.5%	1.2%	14.9%	1.6%	0.8%	23.1%	0.0%	1.5%	0.9%	1.3%	263	24.8%	2.7%	35.7%	33.8%	1,063
1993	1.7%	0.3%	33.8%	0.0%	14.7%	6.2%	0.9%	13.6%	2.1%	1.0%	22.2%	0.0%	1.3%	0.8%	1.5%	326	25.6%	3.1%	36.4%	32.2%	1,272
1994	1.8%	0.5%	34.6%	0.0%	15.0%	6.5%	1.0%	15.4%	2.6%	0.9%	18.8%	0.0%	1.3%	0.8%	0.6%	332	24.3%	3.6%	37.0%	32.4%	1,364
1995	2.3%	0.5%	32.9%	0.0%	14.6%	6.6%	1.0%	15.0%	2.9%	0.9%	18.9%	0.0%	1.2%	1.0%	2.2%	320	24.0%	4.7%	35.1%	33.7%	1,331
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	100.0%	100.0%	100.0%	-	100.0%	100.0%	100.0%	80.2%	100.0%	38.0%	100.0%	-	80.7%	-	29.2%	94.5%	61.0%	72.1%	86.9%	80.9%	
1987	100.0%	100.0%	98.4%	-	100.0%	100.0%	100.0%	76.9%	100.0%	38.1%	100.0%	-	80.7%	-	42.1%	93.9%	68.2%	76.5%	81.7%	82.0%	
1988	100.0%	100.0%	97.0%	-	100.0%	100.0%	100.0%	85.3%	100.0%	59.5%	100.0%	-	82.9%	-	32.9%	94.6%	66.6%	80.4%	79.3%	82.9%	
1989	100.0%	100.0%	97.0%	-	100.0%	100.0%	100.0%	88.2%	100.0%	59.7%	100.0%	-	81.3%	-	33.1%	95.1%	67.7%	80.6%	81.1%	83.8%	
1990	100.0%	100.0%	95.9%	-	100.0%	100.0%	100.0%	88.6%	100.0%	38.9%	100.0%	-	79.3%	0.0%	42.8%	94.7%	73.7%	84.6%	85.2%	86.8%	
1991	100.0%	100.0%	91.8%	-	100.0%	95.0%	100.0%	89.6%	100.0%	0.0%	100.0%	-	79.4%	0.0%	100.0%	93.9%	75.7%	85.4%	87.3%	87.4%	
1992	100.0%	100.0%	87.1%	-	100.0%	95.2%	100.0%	89.6%	100.0%	60.8%	100.0%	-	79.1%	0.0%	100.0%	92.6%	77.5%	84.1%	90.2%	87.6%	
1993	100.0%	100.0%	87.9%	-	100.0%	95.5%	100.0%	89.8%	100.0%	71.7%	100.0%	-	100.0%	0.0%	100.0%	93.1%	80.4%	81.1%	90.4%	86.8%	
1994	100.0%	100.0%	89.1%	-	100.0%	95.9%	100.0%	90.1%	100.0%	71.4%	100.0%	-	100.0%	0.0%	100.0%	93.4%	75.2%	78.0%	87.7%	84.4%	
1995	100.0%	100.0%	88.4%	-	97.0%	96.2%	100.0%	93.7%	100.0%	72.4%	100.0%	-	100.0%	0.0%	55.3%	92.3%	59.2%	73.4%	84.6%	80.6%	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Value EU	EU	Rest of Europe	USA	Rest of World	Value World
1986	1.2%	0.9%	33.9%	0.0%	18.8%	5.2%	0.3%	13.0%	1.0%	0.4%	21.9%	0.0%	2.7%	0.0%	0.5%	160	26.2%	1.6%	43.4%	26.8%	613
1987	1.1%	0.8%	34.2%	0.0%	16.8%	4.9%	0.3%	12.7%	1.3%	0.3%	24.5%	0.0%	2.3%	0.0%	0.8%	164	27.0%	2.3%	41.7%	26.3%	605
1988	0.7%	0.7%	30.8%	0.0%	19.2%	5.4%	0.2%	13.8%	1.6%	0.7%	23.8%	0.0%	2.3%	0.0%	0.7%	184	27.3%	2.1%	40.0%	27.8%	677
1989	0.9%	0.6%	28.5%	0.0%	17.5%	5.7%	0.7%	16.2%	2.3%	0.6%	24.5%	0.0%	1.9%	0.0%	0.6%	220	27.2%	2.1%	38.2%	29.9%	806
1990	0.9%	0.3%	28.1%	0.0%	17.8%	6.3%	1.5%	15.5%	2.3%	0.3%	25.0%	0.0%	1.5%	0.0%	0.6%	207	25.1%	1.8%	36.7%	34.0%	825
1991	1.0%	0.3%	28.5%	0.0%	16.8%	6.7%	1.4%	15.3%	2.1%	0.0%	25.8%	0.0%	1.4%	0.0%	0.7%	240	25.6%	2.0%	34.7%	35.6%	938
1992	1.3%	0.3%	29.3%	0.0%	16.7%	6.7%	1.3%	14.4%	1.7%	0.5%	25.0%	0.0%	1.3%	0.0%	1.4%	244	26.2%	2.4%	34.2%	34.8%	931
1993	1.9%	0.3%	31.8%	0.0%	15.8%	6.4%	0.9%	13.1%	2.3%	0.8%	23.8%	0.0%	1.3%	0.0%	1.6%	303	27.4%	2.9%	34.0%	33.5%	1,104
1994	2.0%	0.5%	33.0%	0.0%	16.1%	6.7%	1.1%	14.9%	2.8%	0.7%	20.2%	0.0%	1.4%	0.0%	0.7%	310	26.9%	3.2%	34.1%	33.7%	1,151
1995	2.4%	0.5%	31.5%	0.0%	15.4%	6.9%	1.1%	15.2%	3.1%	0.7%	20.5%	0.0%	1.3%	0.0%	1.3%	295	27.5%	3.4%	32.0%	35.4%	1,073

Source: EUROCOPTER

TABLE 4.12

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Medium**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total																Units EU	Geographical Breakdown % of World Total					Units World
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU		Rest of Europe	USA	Rest of World			
1986	1.0%	0.0%	17.8%	5.8%	3.7%	15.7%	2.6%	29.3%	1.6%	0.5%	11.0%	0.0%	6.3%	0.0%	4.7%	191	13.0%	2.0%	42.5%	34.4%	1,470		
1987	1.6%	0.0%	19.2%	5.7%	2.6%	16.6%	3.1%	26.9%	0.5%	0.5%	15.0%	0.0%	3.6%	0.0%	4.7%	193	12.5%	2.8%	42.0%	35.2%	1,549		
1988	1.4%	0.0%	19.2%	5.2%	6.6%	15.5%	3.3%	28.2%	0.0%	0.9%	13.1%	0.0%	2.3%	0.0%	4.2%	213	13.1%	2.5%	41.2%	35.6%	1,630		
1989	1.3%	0.0%	17.9%	4.7%	8.9%	16.2%	2.6%	25.5%	0.0%	0.4%	16.2%	0.0%	3.0%	0.0%	3.4%	235	13.4%	2.2%	43.0%	34.0%	1,748		
1990	0.8%	0.0%	16.9%	4.0%	10.0%	16.9%	2.8%	26.1%	0.0%	0.4%	16.1%	0.0%	2.8%	0.0%	3.2%	249	13.7%	2.0%	42.6%	33.6%	1,812		
1991	0.4%	0.0%	16.9%	3.9%	9.8%	16.9%	2.4%	25.5%	0.0%	0.0%	17.6%	0.0%	3.1%	0.0%	3.5%	255	13.6%	2.1%	41.4%	35.1%	1,875		
1992	0.4%	0.0%	19.6%	3.7%	10.7%	17.4%	2.2%	18.9%	0.0%	0.4%	18.1%	0.0%	3.7%	1.5%	3.3%	270	14.1%	2.1%	41.5%	34.2%	1,919		
1993	1.1%	0.0%	19.6%	3.6%	10.3%	16.7%	1.8%	19.2%	0.0%	0.4%	17.8%	0.0%	3.6%	1.4%	4.6%	281	14.1%	2.3%	41.9%	33.6%	1,995		
1994	2.1%	0.0%	20.6%	3.5%	9.8%	15.7%	1.4%	19.9%	0.3%	0.3%	15.3%	0.0%	3.5%	1.7%	5.9%	287	13.8%	2.4%	41.2%	34.2%	2,082		
1995	1.3%	0.0%	19.2%	3.4%	11.1%	14.8%	1.3%	21.5%	0.0%	0.3%	15.2%	0.0%	4.0%	1.7%	6.1%	297	13.6%	2.1%	42.0%	34.3%	2,188		
	Design Origin EU - Market Shares in Member States																Design Origin EU - Market Shares in Zones						
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World			
1986	0.0%	-	14.7%	9.1%	85.7%	93.3%	40.0%	30.4%	0.0%	0.0%	14.3%	-	41.7%	-	11.1%	35.6%	13.3%	10.6%	12.6%	13.7%			
1987	0.0%	-	16.2%	0.0%	80.0%	100.0%	33.3%	34.6%	0.0%	0.0%	24.1%	-	42.9%	-	11.1%	37.8%	18.6%	13.8%	16.7%	16.9%			
1988	0.0%	-	19.5%	0.0%	42.9%	90.9%	42.9%	33.3%	-	0.0%	28.6%	-	20.0%	-	11.1%	36.2%	20.0%	16.7%	16.7%	18.0%			
1989	0.0%	-	16.7%	0.0%	28.6%	81.6%	33.3%	33.3%	-	0.0%	26.3%	-	42.9%	-	12.5%	34.0%	18.4%	16.1%	17.2%	17.7%			
1990	0.0%	-	14.3%	0.0%	24.0%	78.6%	28.6%	33.8%	-	0.0%	27.5%	-	42.9%	-	12.5%	33.7%	21.6%	16.2%	18.4%	18.2%			
1991	0.0%	-	14.0%	0.0%	24.0%	81.4%	16.7%	35.4%	-	-	26.7%	-	37.5%	-	22.2%	34.5%	23.1%	16.3%	20.2%	19.0%			
1992	0.0%	-	11.3%	0.0%	27.6%	76.6%	16.7%	31.4%	-	0.0%	22.4%	-	50.0%	25.0%	22.2%	31.9%	26.6%	16.3%	20.9%	19.0%			
1993	0.0%	-	10.9%	20.0%	24.1%	76.6%	20.0%	27.8%	-	0.0%	24.0%	-	60.0%	25.0%	15.4%	31.3%	26.7%	15.3%	21.2%	18.5%			
1994	0.0%	-	10.2%	20.0%	21.4%	84.4%	25.0%	26.3%	0.0%	0.0%	22.7%	-	70.0%	20.0%	17.6%	31.0%	28.6%	15.5%	21.2%	18.6%			
1995	0.0%	-	10.5%	20.0%	18.2%	86.4%	25.0%	23.4%	-	0.0%	24.4%	-	58.3%	20.0%	22.2%	30.6%	31.9%	14.1%	21.3%	18.1%			
	Design Origin EU - Distribution among Member States																Design Origin EU Distribution among Zones						
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Units World			
1986	0.0%	0.0%	7.4%	1.5%	8.8%	41.2%	2.9%	25.0%	0.0%	0.0%	4.4%	0.0%	7.4%	0.0%	1.5%	68	33.7%	2.0%	32.7%	31.7%	202		
1987	0.0%	0.0%	8.2%	0.0%	5.5%	43.8%	2.7%	24.7%	0.0%	0.0%	9.6%	0.0%	4.1%	0.0%	1.4%	73	27.9%	3.1%	34.4%	34.7%	262		
1988	0.0%	0.0%	10.4%	0.0%	7.8%	39.0%	3.9%	26.0%	0.0%	0.0%	10.4%	0.0%	1.3%	0.0%	1.3%	77	26.2%	2.7%	38.1%	33.0%	294		
1989	0.0%	0.0%	8.8%	0.0%	7.5%	38.8%	2.5%	25.0%	0.0%	0.0%	12.5%	0.0%	3.8%	0.0%	1.3%	80	25.8%	2.3%	39.0%	32.9%	310		
1990	0.0%	0.0%	7.1%	0.0%	7.1%	39.3%	2.4%	26.2%	0.0%	0.0%	13.1%	0.0%	3.6%	0.0%	1.2%	84	25.5%	2.4%	38.0%	34.0%	329		
1991	0.0%	0.0%	6.8%	0.0%	6.8%	39.8%	1.1%	26.1%	0.0%	0.0%	13.6%	0.0%	3.4%	0.0%	2.3%	88	24.6%	2.5%	35.6%	37.3%	357		
1992	0.0%	0.0%	7.0%	0.0%	9.3%	41.9%	1.2%	18.6%	0.0%	0.0%	12.8%	0.0%	5.8%	1.2%	2.3%	86	23.6%	3.0%	35.7%	37.6%	364		
1993	0.0%	0.0%	6.8%	2.3%	8.0%	40.9%	1.1%	17.0%	0.0%	0.0%	13.6%	0.0%	6.8%	1.1%	2.3%	88	23.8%	3.2%	34.6%	38.4%	370		
1994	0.0%	0.0%	6.7%	2.2%	6.7%	42.7%	1.1%	16.9%	0.0%	0.0%	11.2%	0.0%	7.9%	1.1%	3.4%	89	23.0%	3.6%	34.4%	39.0%	387		
1995	0.0%	0.0%	6.6%	2.2%	6.6%	41.8%	1.1%	16.5%	0.0%	0.0%	12.1%	0.0%	7.7%	1.1%	4.4%	91	23.0%	3.8%	32.8%	40.4%	396		

Source: EUROCOPTER

TABLE 4.13

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Medium**  
(Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU Total															Value EU	Geographical Breakdown % of World Total					Value World
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World		
1986	0.9%	0.0%	14.4%	5.0%	2.8%	15.7%	2.5%	31.0%	1.5%	0.4%	15.2%	0.0%	7.5%	0.0%	3.1%	248	13.9%	2.1%	42.5%	34.3%	1,777	
1987	1.3%	0.0%	15.3%	4.4%	1.8%	16.2%	3.4%	28.6%	0.6%	0.4%	20.5%	0.0%	4.5%	0.0%	3.0%	221	13.2%	3.0%	42.1%	35.4%	1,682	
1988	1.1%	0.0%	14.9%	3.8%	4.7%	16.0%	3.0%	31.0%	0.0%	1.1%	18.5%	0.0%	3.1%	0.0%	2.9%	252	13.8%	2.5%	41.9%	35.5%	1,821	
1989	1.0%	0.0%	13.7%	3.3%	5.7%	16.5%	2.5%	27.9%	0.0%	0.3%	23.2%	0.0%	3.7%	0.0%	2.2%	314	14.4%	2.3%	43.4%	34.0%	2,180	
1990	0.6%	0.0%	13.0%	2.8%	6.5%	16.7%	3.0%	29.2%	0.0%	0.3%	22.3%	0.0%	3.8%	0.0%	1.8%	299	14.7%	2.2%	42.7%	34.2%	2,038	
1991	0.3%	0.0%	12.5%	2.5%	6.7%	16.1%	2.7%	28.6%	0.0%	0.0%	24.6%	0.0%	3.9%	0.0%	2.2%	339	15.0%	2.2%	40.9%	36.0%	2,267	
1992	0.3%	0.0%	15.0%	2.4%	7.3%	15.5%	2.6%	23.1%	0.0%	0.2%	25.5%	0.0%	5.0%	1.1%	2.1%	341	15.3%	2.3%	40.4%	35.7%	2,231	
1993	1.3%	0.0%	15.5%	2.7%	7.2%	14.3%	2.3%	23.4%	0.0%	0.2%	24.3%	0.0%	4.5%	1.0%	3.4%	407	15.5%	2.6%	40.2%	35.5%	2,623	
1994	2.9%	0.0%	16.8%	2.6%	6.2%	13.8%	1.5%	25.2%	0.5%	0.2%	19.6%	0.0%	4.3%	1.2%	5.3%	419	15.1%	2.8%	39.6%	36.3%	2,779	
1995	1.8%	0.0%	14.5%	2.4%	7.2%	13.4%	1.5%	27.0%	0.0%	0.2%	20.1%	0.0%	5.2%	1.1%	5.6%	407	14.7%	2.8%	39.6%	37.1%	2,762	
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones						
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World		
1986	0.0%	-	8.9%	15.2%	84.8%	91.9%	4.1%	34.7%	0.0%	0.0%	10.2%	-	41.0%	-	1.6%	34.4%	20.6%	14.4%	15.2%	16.6%		
1987	0.0%	-	10.5%	0.0%	81.6%	100.0%	3.0%	38.3%	0.0%	0.0%	20.9%	-	43.5%	-	1.7%	36.7%	27.9%	20.9%	22.0%	22.2%		
1988	0.0%	-	11.9%	0.0%	49.5%	89.1%	4.4%	35.5%	-	0.0%	24.0%	-	22.6%	-	1.5%	34.7%	30.1%	24.9%	21.9%	23.8%		
1989	0.0%	-	9.1%	0.0%	35.2%	77.0%	3.1%	32.3%	-	0.0%	21.9%	-	40.0%	-	1.8%	31.6%	26.9%	24.0%	22.3%	23.2%		
1990	0.0%	-	6.8%	0.0%	28.3%	73.4%	2.5%	32.8%	-	0.0%	23.5%	-	44.1%	-	2.0%	31.6%	30.1%	23.9%	23.1%	23.4%		
1991	0.0%	-	6.4%	0.0%	25.2%	77.1%	1.3%	36.7%	-	-	22.4%	-	33.8%	-	25.8%	32.8%	31.0%	24.6%	26.0%	25.0%		
1992	0.0%	-	5.2%	0.0%	28.5%	75.4%	1.3%	34.4%	-	0.0%	18.8%	-	51.2%	48.3%	26.2%	30.9%	33.5%	25.3%	26.7%	25.2%		
1993	0.0%	-	4.6%	35.4%	24.2%	74.8%	1.4%	29.9%	-	0.0%	20.6%	-	58.6%	48.7%	15.3%	29.8%	31.7%	24.0%	27.0%	24.6%		
1994	0.0%	-	4.1%	38.1%	19.5%	82.7%	2.0%	26.9%	0.0%	0.0%	20.5%	-	66.6%	40.8%	19.0%	29.4%	35.4%	24.9%	27.7%	25.3%		
1995	0.0%	-	4.4%	39.3%	15.7%	84.3%	1.9%	24.1%	-	0.0%	21.6%	-	53.1%	41.5%	25.7%	29.6%	36.0%	22.9%	27.2%	24.5%		
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones						
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Value EU	EU	Rest of Europe	USA	Rest of World	Value World	
1986	0.0%	0.0%	3.7%	2.2%	6.9%	41.9%	0.3%	31.3%	0.0%	0.0%	4.5%	0.0%	9.0%	0.0%	0.1%	85	28.9%	2.6%	37.0%	31.6%	294	
1987	0.0%	0.0%	4.4%	0.0%	4.1%	44.3%	0.3%	29.9%	0.0%	0.0%	11.6%	0.0%	5.3%	0.0%	0.1%	81	21.7%	3.7%	39.6%	35.0%	374	
1988	0.0%	0.0%	5.1%	0.0%	6.7%	41.2%	0.4%	31.7%	0.0%	0.0%	12.8%	0.0%	2.0%	0.0%	0.1%	87	20.2%	3.2%	44.0%	32.7%	433	
1989	0.0%	0.0%	3.9%	0.0%	6.4%	40.1%	0.3%	28.5%	0.0%	0.0%	16.0%	0.0%	4.7%	0.0%	0.1%	99	19.6%	2.6%	45.0%	32.8%	506	
1990	0.0%	0.0%	2.8%	0.0%	5.8%	38.8%	0.2%	30.3%	0.0%	0.0%	16.6%	0.0%	5.3%	0.0%	0.1%	95	19.8%	2.8%	43.6%	33.8%	477	
1991	0.0%	0.0%	2.4%	0.0%	5.2%	37.8%	0.1%	32.0%	0.0%	0.0%	16.8%	0.0%	4.0%	0.0%	1.7%	111	19.6%	2.7%	40.3%	37.4%	567	
1992	0.0%	0.0%	2.5%	0.0%	6.7%	37.7%	0.1%	25.7%	0.0%	0.0%	15.5%	0.0%	8.3%	1.7%	1.8%	105	18.7%	3.1%	40.5%	37.7%	563	
1993	0.0%	0.0%	2.4%	3.3%	5.8%	35.9%	0.1%	23.5%	0.0%	0.0%	16.8%	0.0%	8.9%	1.6%	1.7%	121	18.7%	3.3%	39.1%	38.8%	646	
1994	0.0%	0.0%	2.3%	3.3%	4.1%	38.7%	0.1%	23.0%	0.0%	0.0%	13.7%	0.0%	9.7%	1.7%	3.4%	123	17.5%	3.9%	38.8%	39.7%	704	
1995	0.0%	0.0%	2.2%	3.2%	3.8%	38.3%	0.1%	22.0%	0.0%	0.0%	14.7%	0.0%	9.3%	1.6%	4.9%	121	17.8%	4.1%	37.0%	41.2%	677	

Source: EUROCOPTER

TABLE 4.14

## WORLD CIVIL AND STATE HELICOPTER FLEET

Category: Heavy

(Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Units World
1986	0.0%	2.0%	17.9%	4.0%	2.0%	7.3%	2.0%	51.7%	1.3%	1.3%	2.6%	0.0%	7.9%	0.0%	0.0%	151	32.5%	9.3%	24.1%	28.7%	464
1987	0.0%	2.0%	18.4%	4.8%	2.0%	5.4%	2.0%	53.1%	1.4%	1.4%	3.4%	0.0%	6.1%	0.0%	0.0%	147	30.6%	8.9%	24.7%	32.0%	481
1988	0.0%	2.0%	20.3%	4.7%	2.0%	6.1%	2.0%	50.0%	1.4%	1.4%	5.4%	0.0%	4.7%	0.0%	0.0%	148	30.1%	9.6%	22.8%	33.2%	491
1989	0.0%	2.1%	21.0%	5.6%	2.1%	5.6%	2.1%	49.7%	1.4%	0.7%	4.9%	0.0%	4.9%	0.0%	0.0%	143	30.0%	9.9%	22.6%	34.0%	477
1990	0.0%	2.0%	20.3%	4.7%	2.0%	7.4%	2.0%	52.0%	1.4%	0.7%	2.7%	0.0%	4.7%	0.0%	0.0%	148	30.8%	11.9%	21.3%	32.3%	480
1991	0.0%	2.0%	26.5%	5.3%	1.3%	7.9%	1.3%	49.7%	0.0%	1.3%	0.7%	0.0%	4.0%	0.0%	0.0%	151	31.2%	11.0%	20.9%	33.5%	484
1992	0.0%	2.0%	26.8%	5.4%	2.0%	7.4%	2.0%	49.7%	0.0%	1.3%	0.0%	0.0%	3.4%	0.0%	0.0%	149	29.6%	10.7%	24.2%	31.9%	504
1993	0.0%	1.3%	27.6%	5.3%	2.6%	7.2%	2.0%	49.3%	0.0%	1.3%	0.0%	0.0%	3.3%	0.0%	0.0%	152	27.5%	9.8%	25.4%	33.7%	552
1994	0.0%	0.7%	27.3%	5.3%	4.0%	7.3%	2.0%	48.7%	0.0%	1.3%	0.0%	0.0%	3.3%	0.0%	0.0%	150	25.8%	8.9%	26.8%	34.0%	582
1995	0.0%	0.7%	26.0%	6.0%	4.0%	8.0%	2.0%	48.7%	0.0%	1.3%	0.0%	0.0%	3.3%	0.0%	0.0%	150	24.7%	8.9%	29.3%	32.9%	608
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	-	100.0%	81.5%	33.3%	0.0%	100.0%	0.0%	48.7%	0.0%	0.0%	100.0%	-	33.3%	-	-	55.6%	32.6%	18.8%	52.6%	43.5%	
1987	-	100.0%	81.5%	28.6%	0.0%	100.0%	0.0%	48.7%	0.0%	0.0%	100.0%	-	22.2%	-	-	54.4%	32.6%	16.8%	58.4%	43.5%	
1988	-	100.0%	83.3%	28.6%	0.0%	100.0%	66.7%	54.1%	0.0%	0.0%	100.0%	-	0.0%	-	-	60.1%	38.3%	14.3%	57.7%	45.4%	
1989	-	100.0%	83.3%	25.0%	0.0%	100.0%	66.7%	53.5%	0.0%	0.0%	100.0%	-	0.0%	-	-	59.4%	38.3%	13.9%	58.0%	45.1%	
1990	-	100.0%	83.3%	28.6%	0.0%	100.0%	66.7%	55.8%	0.0%	0.0%	100.0%	-	14.3%	-	-	61.5%	38.6%	10.8%	55.5%	44.4%	
1991	-	100.0%	62.5%	37.5%	0.0%	100.0%	100.0%	57.3%	-	0.0%	100.0%	-	0.0%	-	-	58.9%	45.3%	10.9%	53.1%	44.4%	
1992	-	100.0%	62.5%	37.5%	0.0%	100.0%	100.0%	56.8%	-	0.0%	-	-	0.0%	-	-	58.4%	46.3%	9.0%	44.7%	39.7%	
1993	-	100.0%	59.5%	37.5%	0.0%	100.0%	100.0%	56.0%	-	0.0%	-	-	0.0%	-	-	56.6%	50.0%	7.9%	39.8%	36.6%	
1994	-	100.0%	61.0%	37.5%	0.0%	100.0%	100.0%	56.2%	-	0.0%	-	-	0.0%	-	-	56.0%	51.9%	7.1%	42.4%	36.1%	
1995	-	100.0%	64.1%	44.4%	0.0%	100.0%	100.0%	54.8%	-	0.0%	-	-	0.0%	-	-	56.7%	50.0%	6.2%	42.0%	34.5%	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Units World	
1986	0.0%	3.6%	26.2%	2.4%	0.0%	13.1%	0.0%	45.2%	0.0%	0.0%	4.8%	0.0%	4.8%	0.0%	0.0%	84	41.6%	6.9%	10.4%	34.7%	202
1987	0.0%	3.8%	27.5%	2.5%	0.0%	10.0%	0.0%	47.5%	0.0%	0.0%	6.3%	0.0%	2.5%	0.0%	0.0%	80	38.3%	6.7%	9.6%	43.1%	209
1988	0.0%	3.4%	28.1%	2.2%	0.0%	10.1%	2.2%	44.9%	0.0%	0.0%	9.0%	0.0%	0.0%	0.0%	0.0%	89	39.9%	8.1%	7.2%	42.2%	223
1989	0.0%	3.5%	29.4%	2.4%	0.0%	9.4%	2.4%	44.7%	0.0%	0.0%	8.2%	0.0%	0.0%	0.0%	0.0%	85	39.5%	8.4%	7.0%	43.7%	215
1990	0.0%	3.3%	27.5%	2.2%	0.0%	12.1%	2.2%	47.3%	0.0%	0.0%	4.4%	0.0%	1.1%	0.0%	0.0%	91	42.7%	10.3%	5.2%	40.4%	213
1991	0.0%	3.4%	28.1%	3.4%	0.0%	13.5%	2.2%	48.3%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	89	41.4%	11.2%	5.1%	40.0%	215
1992	0.0%	3.4%	28.7%	3.4%	0.0%	12.6%	3.4%	48.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	87	43.5%	12.5%	5.5%	36.0%	200
1993	0.0%	2.3%	29.1%	3.5%	0.0%	12.8%	3.5%	48.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	86	42.6%	13.4%	5.4%	36.6%	202
1994	0.0%	1.2%	29.8%	3.6%	0.0%	13.1%	3.6%	48.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	84	40.0%	12.9%	5.2%	40.0%	210
1995	0.0%	1.2%	29.4%	4.7%	0.0%	14.1%	3.5%	47.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	85	40.5%	12.9%	5.2%	40.0%	210

Source: EUROCOPTER



TABLE 4.15

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Heavy**  
(Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU Total																Value EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU		Rest of Europe	USA	Rest of World	Value World	
1986	0.0 %	1.2 %	9.3 %	5.0 %	0.5 %	4.3 %	0.5 %	69.1 %	1.2 %	1.2 %	1.5 %	0.0 %	6.3 %	0.0 %	0.0 %	<b>508</b>	38.8 %	12.2 %	17.5 %	22.7 %	<b>1,309</b>	
1987	0.0 %	1.2 %	9.5 %	5.6 %	0.5 %	3.1 %	0.5 %	70.2 %	1.2 %	1.2 %	2.0 %	0.0 %	5.0 %	0.0 %	0.0 %	<b>427</b>	37.2 %	11.9 %	18.2 %	27.6 %	<b>1,147</b>	
1988	0.0 %	1.1 %	12.6 %	5.3 %	0.4 %	3.3 %	2.7 %	65.5 %	1.1 %	1.1 %	2.9 %	0.0 %	3.9 %	0.0 %	0.0 %	<b>447</b>	37.7 %	11.9 %	16.2 %	28.3 %	<b>1,186</b>	
1989	0.0 %	1.1 %	12.8 %	5.9 %	0.5 %	3.0 %	2.7 %	65.7 %	1.1 %	0.6 %	2.6 %	0.0 %	4.0 %	0.0 %	0.0 %	<b>475</b>	37.8 %	11.6 %	17.0 %	29.4 %	<b>1,257</b>	
1990	0.0 %	1.1 %	12.2 %	5.1 %	0.4 %	3.9 %	2.5 %	68.2 %	1.1 %	0.5 %	1.4 %	0.0 %	3.6 %	0.0 %	0.0 %	<b>436</b>	39.9 %	13.9 %	15.0 %	26.8 %	<b>1,095</b>	
1991	0.0 %	1.1 %	13.9 %	6.2 %	0.7 %	4.2 %	2.4 %	66.9 %	0.0 %	1.1 %	0.4 %	0.0 %	3.2 %	0.0 %	0.0 %	<b>454</b>	39.2 %	13.4 %	14.1 %	28.4 %	<b>1,159</b>	
1992	0.0 %	1.1 %	14.2 %	6.2 %	1.2 %	3.9 %	3.6 %	66.1 %	0.0 %	1.1 %	0.0 %	0.0 %	2.6 %	0.0 %	0.0 %	<b>435</b>	35.9 %	13.0 %	18.7 %	27.9 %	<b>1,211</b>	
1993	0.0 %	0.7 %	14.8 %	6.1 %	1.7 %	3.8 %	3.5 %	65.9 %	0.0 %	1.0 %	0.0 %	0.0 %	2.6 %	0.0 %	0.0 %	<b>495</b>	33.7 %	12.4 %	22.1 %	28.0 %	<b>1,470</b>	
1994	0.0 %	0.3 %	14.8 %	6.1 %	2.7 %	3.8 %	3.5 %	65.1 %	0.0 %	1.0 %	0.0 %	0.0 %	2.6 %	0.0 %	0.0 %	<b>485</b>	30.8 %	11.3 %	24.6 %	29.3 %	<b>1,578</b>	
1995	0.0 %	0.3 %	14.4 %	7.3 %	2.7 %	4.1 %	3.0 %	63.9 %	0.0 %	1.0 %	0.0 %	0.0 %	2.5 %	0.0 %	0.0 %	<b>446</b>	29.4 %	10.7 %	26.9 %	29.1 %	<b>1,517</b>	
	Design Origin EU - Market Shares in Member States																Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World		
1986	-	100.0 %	91.0 %	52.1 %	0.0 %	100.0 %	0.0 %	66.2 %	0.0 %	0.0 %	100.0 %	-	24.6 %	-	-	65.3 %	57.4 %	22.8 %	58.9 %	56.2 %		
1987	-	100.0 %	91.0 %	46.6 %	0.0 %	100.0 %	0.0 %	66.2 %	0.0 %	0.0 %	100.0 %	-	15.7 %	-	-	64.8 %	57.5 %	18.7 %	65.7 %	54.9 %		
1988	-	100.0 %	93.7 %	46.9 %	0.0 %	100.0 %	94.0 %	71.2 %	0.0 %	0.0 %	100.0 %	-	0.0 %	-	-	70.7 %	59.8 %	16.5 %	64.6 %	57.6 %		
1989	-	100.0 %	93.6 %	42.4 %	0.0 %	100.0 %	93.9 %	71.3 %	0.0 %	0.0 %	100.0 %	-	0.0 %	-	-	70.6 %	59.4 %	21.2 %	64.8 %	57.6 %		
1990	-	100.0 %	93.1 %	46.9 %	0.0 %	100.0 %	93.3 %	73.2 %	0.0 %	0.0 %	100.0 %	-	9.9 %	-	-	72.7 %	60.7 %	13.4 %	60.4 %	57.0 %		
1991	-	100.0 %	81.0 %	57.2 %	0.0 %	100.0 %	100.0 %	74.6 %	-	0.0 %	100.0 %	-	0.0 %	-	-	72.8 %	66.2 %	14.0 %	58.0 %	58.1 %		
1992	-	100.0 %	79.9 %	57.5 %	0.0 %	100.0 %	100.0 %	74.4 %	-	0.0 %	-	-	0.0 %	-	-	72.7 %	68.7 %	11.0 %	57.7 %	55.3 %		
1993	-	100.0 %	74.7 %	57.6 %	0.0 %	100.0 %	100.0 %	74.2 %	-	0.0 %	-	-	0.0 %	-	-	71.4 %	71.8 %	8.7 %	52.4 %	51.1 %		
1994	-	100.0 %	75.6 %	57.9 %	0.0 %	100.0 %	100.0 %	74.6 %	-	0.0 %	-	-	0.0 %	-	-	70.9 %	73.5 %	7.2 %	58.7 %	50.5 %		
1995	-	100.0 %	77.3 %	65.1 %	0.0 %	100.0 %	100.0 %	74.4 %	-	0.0 %	-	-	0.0 %	-	-	71.6 %	74.2 %	6.3 %	59.9 %	49.2 %		
	Design Origin EU - Distribution among Member States																Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Value World		
1986	0.0 %	1.8 %	13.0 %	3.9 %	0.0 %	6.5 %	0.0 %	70.0 %	0.0 %	0.0 %	2.4 %	0.0 %	2.4 %	0.0 %	0.0 %	<b>332</b>	45.1 %	12.5 %	7.1 %	23.8 %	<b>736</b>	
1987	0.0 %	1.8 %	13.3 %	4.0 %	0.0 %	4.8 %	0.0 %	71.7 %	0.0 %	0.0 %	3.0 %	0.0 %	1.2 %	0.0 %	0.0 %	<b>277</b>	43.9 %	12.4 %	6.2 %	33.0 %	<b>629</b>	
1988	0.0 %	1.6 %	16.7 %	3.5 %	0.0 %	4.7 %	3.5 %	66.0 %	0.0 %	0.0 %	4.1 %	0.0 %	0.0 %	0.0 %	0.0 %	<b>316</b>	46.3 %	12.4 %	4.7 %	31.8 %	<b>683</b>	
1989	0.0 %	1.6 %	17.0 %	3.6 %	0.0 %	4.2 %	3.6 %	66.3 %	0.0 %	0.0 %	3.7 %	0.0 %	0.0 %	0.0 %	0.0 %	<b>335</b>	46.3 %	12.0 %	6.2 %	33.1 %	<b>724</b>	
1990	0.0 %	1.5 %	15.6 %	3.3 %	0.0 %	5.3 %	3.3 %	68.7 %	0.0 %	0.0 %	1.9 %	0.0 %	0.5 %	0.0 %	0.0 %	<b>317</b>	50.9 %	14.7 %	3.5 %	28.4 %	<b>624</b>	
1991	0.0 %	1.5 %	15.5 %	4.9 %	0.0 %	5.8 %	3.3 %	68.6 %	0.0 %	0.0 %	0.5 %	0.0 %	0.0 %	0.0 %	0.0 %	<b>330</b>	49.0 %	15.2 %	3.4 %	28.4 %	<b>674</b>	
1992	0.0 %	1.5 %	15.6 %	4.9 %	0.0 %	5.4 %	4.9 %	67.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	<b>316</b>	47.2 %	16.1 %	3.7 %	29.1 %	<b>669</b>	
1993	0.0 %	1.0 %	15.5 %	4.9 %	0.0 %	5.3 %	4.9 %	68.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.8 %	0.0 %	0.0 %	<b>353</b>	47.0 %	17.5 %	3.8 %	28.7 %	<b>751</b>	
1994	0.0 %	0.5 %	15.7 %	5.0 %	0.0 %	5.4 %	5.0 %	68.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	<b>344</b>	43.2 %	16.4 %	3.5 %	34.0 %	<b>797</b>	
1995	0.0 %	0.5 %	15.6 %	6.6 %	0.0 %	5.8 %	5.0 %	66.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	<b>319</b>	42.8 %	16.2 %	3.4 %	35.5 %	<b>746</b>	

Source: EUROCOPTER

TABLE 4.16

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Very Heavy**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown % of World Total					Units World
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World		
1986	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3	37.5 %	37.5 %	25.0 %	0.0 %	8	
1987	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3	37.5 %	37.5 %	25.0 %	0.0 %	8	
1988	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3	37.5 %	37.5 %	25.0 %	0.0 %	8	
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0 %	22.2 %	77.8 %	0.0 %	9	
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0 %	22.2 %	77.8 %	0.0 %	9	
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0 %	22.2 %	77.8 %	0.0 %	9	
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3	21.4 %	14.3 %	64.3 %	0.0 %	14	
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1	9.1 %	18.2 %	72.7 %	0.0 %	11	
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3	21.4 %	14.3 %	64.3 %	0.0 %	14	
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3	20.0 %	0.0 %	66.7 %	6.7 %	15	
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones						
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World		
1986	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	
1987	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	
1988	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0 %	0.0 %	-	-	
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0 %	0.0 %	-	-	
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0 %	0.0 %	-	-	
1992	-	-	-	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	
1993	-	-	-	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	
1994	-	-	-	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	0.0 %	0.0 %	0.0 %	-	-	
1995	-	-	-	-	-	-	-	-	-	-	0.0 %	-	-	-	-	-	0.0 %	-	0.0 %	0.0 %	0.0 %	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones						
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Units World		
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	

Source: EUROCOPTER

TABLE 4.17

**WORLD CIVIL AND STATE HELICOPTER FLEET**  
**Category: Very Heavy**  
(Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU Total															Value EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Value World
1986	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	43	37.5%	37.5%	25.0%	0.0%	114
1987	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	36	37.5%	37.5%	25.0%	0.0%	97
1988	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	35	37.5%	37.5%	25.0%	0.0%	94
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0%	22.2%	77.8%	0.0%	120
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0%	22.2%	77.8%	0.0%	104
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0%	22.2%	77.8%	0.0%	107
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	61	29.9%	11.1%	58.9%	0.0%	204
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	30	17.7%	13.9%	68.4%	0.0%	169
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	76	32.1%	10.9%	57.0%	0.0%	236
1995	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	69	32.1%	0.0%	57.0%	5.5%	215
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%	0.0%	0.0%	-	-	
1987	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%	0.0%	0.0%	-	-	
1988	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.0%	0.0%	0.0%	-	-	
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	-	-	
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	-	-	
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	-	-	
1992	-	-	-	-	-	-	-	-	-	-	0.0%	-	-	-	-	0.0%	0.0%	0.0%	-	-	
1993	-	-	-	-	-	-	-	-	-	-	0.0%	-	-	-	-	0.0%	0.0%	0.0%	-	-	
1994	-	-	-	-	-	-	-	-	-	-	0.0%	-	-	-	-	0.0%	0.0%	0.0%	-	-	
1995	-	-	-	-	-	-	-	-	-	-	0.0%	-	-	-	-	0.0%	-	0.0%	0.0%	0.0%	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	Value World	
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0

Source: EUROCOPTER

TABLE 4.18

## WORLD CIVIL AND STATE HELICOPTER DELIVERIES

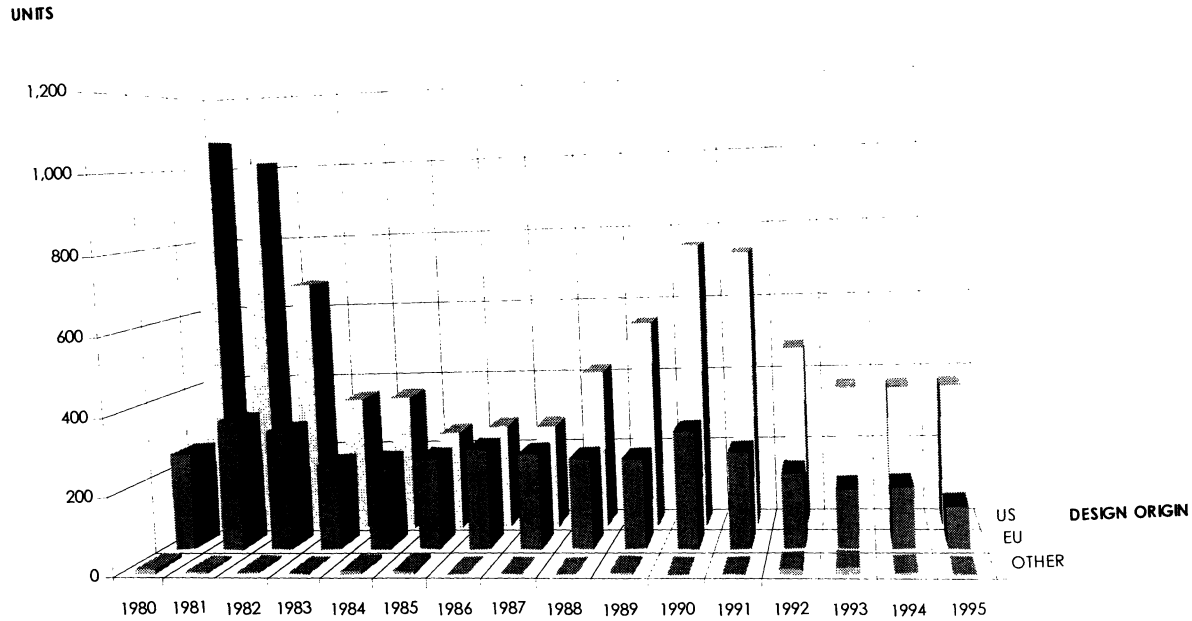
All Categories  
(Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown % of World Total				
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Rest of World	Units World
1986	4.2%	1.1%	24.2%	2.1%	8.4%	13.7%	0.0%	15.8%	0.0%	0.0%	20.0%	0.0%	4.2%	1.1%	5.3%	95	17.8%	3.4%	47.4%	29.4%	534
1987	2.8%	0.9%	15.6%	1.8%	5.5%	16.5%	2.8%	23.9%	0.0%	0.0%	22.9%	0.0%	0.0%	0.9%	6.4%	109	20.9%	6.5%	37.6%	32.4%	521
1988	2.3%	0.0%	9.7%	1.7%	6.8%	21.6%	1.7%	40.3%	0.0%	0.6%	11.4%	0.0%	1.1%	0.0%	2.8%	176	27.0%	2.8%	34.5%	34.0%	652
1989	1.0%	1.0%	9.1%	0.5%	4.1%	16.8%	0.5%	44.2%	1.0%	0.5%	17.8%	0.0%	0.0%	0.0%	3.6%	197	25.2%	4.0%	34.2%	32.7%	781
1990	2.2%	2.7%	13.3%	1.3%	2.7%	18.6%	4.0%	32.7%	0.0%	0.9%	17.7%	0.0%	0.4%	0.4%	3.1%	226	21.5%	3.0%	35.0%	37.0%	1,052
1991	1.3%	4.4%	22.3%	3.9%	6.6%	19.7%	2.2%	17.5%	1.3%	0.9%	14.4%	0.0%	1.3%	0.0%	4.4%	229	23.5%	3.8%	38.7%	30.8%	976
1992	4.0%	2.8%	25.4%	3.4%	5.6%	15.8%	1.1%	13.6%	2.3%	0.0%	19.2%	0.0%	1.1%	1.7%	4.0%	177	26.0%	6.0%	28.1%	35.4%	680
1993	3.6%	2.7%	43.6%	3.6%	9.1%	10.9%	0.0%	9.1%	1.8%	0.0%	9.1%	0.0%	0.9%	2.7%	2.7%	110	20.6%	5.6%	33.6%	34.0%	535
1994	5.2%	1.0%	37.1%	1.0%	5.2%	10.3%	1.0%	19.6%	3.1%	1.0%	11.3%	0.0%	1.0%	0.0%	3.1%	97	18.4%	4.9%	35.0%	38.1%	528
1995	2.8%	4.2%	25.4%	7.0%	4.2%	4.2%	0.0%	19.7%	4.2%	0.0%	21.1%	0.0%	4.2%	1.4%	1.4%	71	14.9%	4.2%	28.0%	47.1%	478
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Rest of World	World	
1986	100.0%	100.0%	56.5%	50.0%	100.0%	76.9%	-	33.3%	-	-	31.6%	-	0.0%	100.0%	0.0%	51.6%	44.4%	40.7%	81.8%	48.5%	
1987	66.7%	0.0%	52.9%	50.0%	66.7%	61.1%	0.0%	15.4%	-	-	60.0%	-	-	100.0%	28.6%	45.0%	47.1%	42.3%	92.3%	47.0%	
1988	100.0%	-	41.2%	33.3%	83.3%	39.5%	66.7%	9.9%	-	0.0%	35.0%	-	0.0%	-	0.0%	30.1%	33.3%	40.0%	27.3%	35.7%	
1989	100.0%	0.0%	5.6%	0.0%	62.5%	39.4%	0.0%	9.2%	100.0%	0.0%	31.4%	-	-	-	14.3%	21.8%	22.6%	24.0%	32.3%	29.3%	
1990	60.0%	0.0%	23.3%	0.0%	66.7%	33.3%	0.0%	8.1%	-	0.0%	42.5%	-	0.0%	0.0%	0.0%	22.6%	53.1%	25.5%	16.2%	28.5%	
1991	100.0%	10.0%	15.7%	11.1%	60.0%	37.8%	0.0%	15.0%	0.0%	0.0%	39.4%	-	0.0%	-	30.0%	26.6%	43.2%	14.3%	29.0%	25.0%	
1992	42.9%	20.0%	15.6%	33.3%	80.0%	39.3%	50.0%	20.8%	0.0%	-	23.5%	-	0.0%	0.0%	57.1%	28.2%	34.1%	18.8%	36.7%	27.9%	
1993	50.0%	0.0%	35.4%	50.0%	40.0%	25.0%	-	30.0%	100.0%	-	60.0%	-	0.0%	33.3%	33.3%	37.3%	26.7%	22.8%	21.2%	28.0%	
1994	20.0%	0.0%	22.2%	0.0%	80.0%	40.0%	0.0%	21.1%	66.7%	0.0%	18.2%	-	0.0%	-	33.3%	26.8%	26.9%	26.5%	52.6%	29.2%	
1995	50.0%	0.0%	5.6%	20.0%	66.7%	0.0%	-	21.4%	66.7%	-	26.7%	-	66.7%	0.0%	0.0%	22.5%	20.0%	17.2%	25.0%	22.0%	
	Design Origin EU - Distribution among Member States															Design Origin EU Distribution among Zones					
	AT	BE	DE	DK	ES	FR	FI	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Rest of World	Units World
1986	8.2%	2.0%	26.5%	2.0%	16.3%	20.4%	0.0%	10.2%	0.0%	0.0%	12.2%	0.0%	0.0%	2.0%	0.0%	49	18.9%	3.1%	0.0%	0.0%	259
1987	4.1%	0.0%	18.4%	2.0%	8.2%	22.4%	0.0%	8.2%	0.0%	0.0%	30.6%	0.0%	0.0%	2.0%	4.1%	49	20.0%	6.5%	0.0%	0.0%	245
1988	7.5%	0.0%	13.2%	1.9%	18.9%	28.3%	3.8%	13.2%	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	53	22.7%	2.6%	0.0%	0.0%	233
1989	4.7%	0.0%	2.3%	0.0%	11.6%	30.2%	0.0%	18.6%	4.7%	0.0%	25.6%	0.0%	0.0%	0.0%	2.3%	43	18.8%	3.1%	0.0%	0.0%	229
1990	5.9%	0.0%	13.7%	0.0%	7.8%	27.5%	0.0%	11.8%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	51	17.0%	5.7%	0.0%	0.0%	300
1991	4.9%	1.6%	13.1%	1.6%	14.8%	27.9%	0.0%	9.8%	0.0%	0.0%	21.3%	0.0%	0.0%	0.0%	4.9%	61	25.0%	6.6%	0.0%	0.0%	244
1992	6.0%	2.0%	14.0%	4.0%	16.0%	22.0%	2.0%	10.0%	0.0%	0.0%	16.0%	0.0%	0.0%	0.0%	8.0%	50	26.3%	7.4%	0.0%	0.0%	190
1993	4.9%	0.0%	41.5%	4.9%	9.8%	7.3%	0.0%	7.3%	4.9%	0.0%	14.6%	0.0%	0.0%	2.4%	2.4%	41	27.3%	5.3%	0.0%	0.0%	150
1994	3.8%	0.0%	30.8%	0.0%	15.4%	15.4%	0.0%	15.4%	7.7%	0.0%	7.7%	0.0%	0.0%	0.0%	3.8%	26	16.9%	4.5%	0.0%	0.0%	154
1995	6.3%	0.0%	6.3%	6.3%	12.5%	0.0%	0.0%	18.8%	12.5%	0.0%	25.0%	0.0%	12.5%	0.0%	0.0%	16	15.2%	3.8%	0.0%	0.0%	105

Source: EUROCOPTER

CHART 4.1

1980 - 1995 ANNUAL CIVIL AND STATE HELICOPTER DELIVERIES  
TO WORLD MARKET  
BY DESIGN ORIGIN

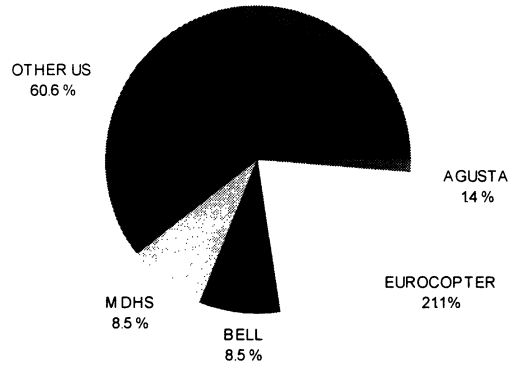


Source: EUROCOPTER

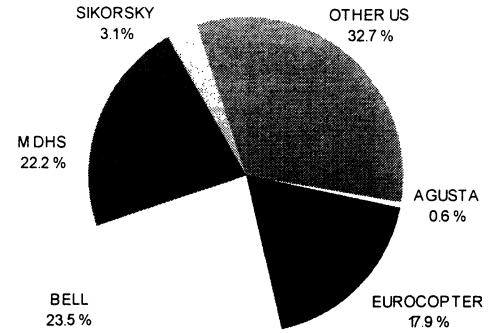
**CHART 4.2**

**1995 SHARE OF DELIVERIES BY MANUFACTURER**

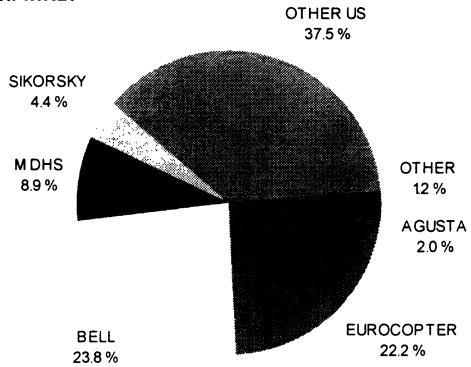
**EU MARKET**



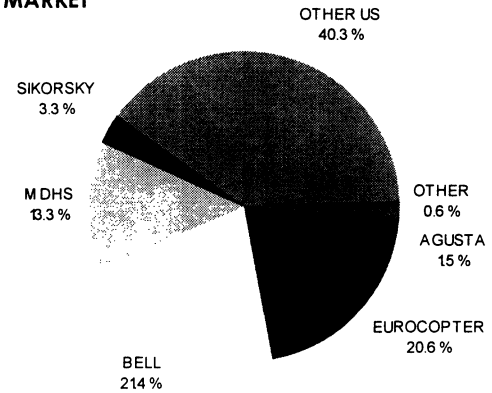
**NORTH AMERICAN MARKET**



**OTHER MARKET**



**WORLD MARKET**



Source: EUROCOPTER

## *Chapter 5*

# **Military Fixed-Wing Aircraft**

Data on military fixed-wing aircraft are provided by the Institute for Defense and Disarmament Studies<sup>1</sup>. The data are adapted from the annual *IDDS Almanac, Vol 1: World Military Aircraft Holdings, Production, and Trade*, which gives detailed estimates by aircraft type and country of production, acquisition, and trade from 1972 to the present and projected to 2010.

The data cover the number of aircraft in military service worldwide, broken down into the following categories:

- **Bomber and Attack**  
Examples of aircraft in this category:  
McDonnell Douglas/British Aerospace AV-8B;  
Fairchild Republic A-10A; Ilyushin Il-28
- **Fighter, Fighter-Attack, and Interceptor**  
Panavia Tornado IDS; General Dynamics F-16;  
Mikoyan-Gurevich MiG-29
- **Maritime Patrol, Antisubmarine Warfare, Airborne Early Warning, and other Specialised Electronic Aircraft**  
Dassault-Breguet Atlantic; Lockheed P-3; Ilyushin Il-38
- **Light Attack and Armed Trainer**  
Dassault-Breguet/Dornier Alpha Jet E; Cessna A-37B;  
Aero L-39
- **Basic Trainer**  
Aerospatiale TB-30; Cessna T-37; Pilatus PC-7

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<sup>1</sup> IDDS, 675 Massachusetts Ave, Cambridge MA 02139, USA,  
tel: 617 / 354-3447; fax: 617 / 354-1450, email: almanac@idds.org

- **Transport, Tanker, VIP, Communications, and Utility (over 6,000 lbs empty take-off weight)**  
Transall C-160; Lockheed C-130; Ilyushin Il-76
- **Light Transport, VIP, Utility, and Liaison (under 6,000 lbs empty take-off weight)**  
CASA C-212; Beech Super King Air;  
De Havilland Canada DHC-6

The categories apply not to the currently assigned role of the aircraft, but to the primary intended role of the original airframe (or, in case of certain light attack and electronic aircraft, the original military modification of civil aircraft). Even if aircraft are assigned to different roles or produced in versions modified for other roles (for example, a two-seat trainer version of a fighter), it is the character of the original airframe that determines the figure quoted. This practice creates meaningful continuity over time within each category; it enables a more accurate figure to be quoted than would be possible by attempting to track the numbers of aircraft in ever-changing roles; and it is useful in assessing the scale of past and potential future military aircraft production and acquisition. (In contrast, for assessing military capability, counting units by their currently assigned role is generally more useful than counting units by their airframe's original design role.)

Civilian aircraft in military service as basic trainers, and in transport, or light transport roles are included; aircraft in long-term storage or set aside to serve as test beds or experimental vehicles are excluded.

Military helicopters are not included; they appear separately in Chapter 6.



The data cover a 15-year time period, from 1982 to 1996. Holdings are defined as end-of-year data, except for the United States, where they represent the end of the fiscal year (end September). In some cases, 1996 data are preliminary estimates.

Statistics for military aircraft by category are aggregated in two forms, first by country of design origin (the country in which the original airframe was designed) and then by country of production, grouped into three regions: EU, USA, and Other Countries. Design origin EU comprises all aircraft designed/developed (within the EU area or elsewhere) with EU industry participation.

Production is defined broadly to include not only indigenous production and full licensed production of foreign-designed aircraft, but also licensed assembly using a mixture of domestically-produced and imported parts, and licensed assembly from imported parts. In a few cases adaptations of foreign-designed aircraft have been produced without license; these are treated as though they had been produced under license.

Holdings (units in service) are grouped by geographic region, as follows:

• **EU:** Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom • **Other Europe:** Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Georgia, Hungary, Iceland, Latvia, Lithuania, Malta, Republic of Moldova, Norway, Poland, Romania, Russian Federation, Serbia and Montenegro, Slovakia, Switzerland, Turkey, Ukraine

• **USA • Canada • Latin America:** Argentina, Bahamas, Belize, Bolivia, Brazil, Chile, Colombia, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay, Venezuela  
 • **Middle East:** Bahrain, Iran, Islamic Republic of Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, United Arab Emirates, Yemen • **Africa:** Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Djibouti, Egypt, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libyan Arab Jamahiriya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Somalia, Sudan, Tanzania, Togo, Tunisia, Uganda, Zaire, Zambia, Zimbabwe  
 • **Republic of South Africa • Asia and Australasia:** Afghanistan, Australia, Bangladesh, Brunei Darussalam, Cambodia, China, India, Indonesia, Japan, Kazakhstan, Democratic People's Republic of Korea, Republic of Korea, Kyrgyzstan, Laos People's Democratic Republic, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Pakistan, Papua New Guinea, Philippines, Singapore, Sri Lanka, Taiwan Province of China, Thailand, Turkmenistan, Uzbekistan, Viet Nam.

TABLE 5.1 (a)

## MILITARY FIXED-WING AIRCRAFT FLEET

## Summary of Fleet (Units at Year-end)

	Total Figures									
	EU	Other Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia and Australasia	Units World
<b>1996</b>										
Bomber/Attack	348	424	986	0	70	70	7	0	865	2,770
Fighter/Fighter-Attack/Interceptor	2934	5945	3414	122	519	2251	1534	47	8703	25,469
Maritime Patrol/Electronic	160	94	578	21	58	22	9	0	260	1,202
Light Attack/Armed Trainer	749	1785	2	108	471	348	769	189	648	5,069
Basic Trainer	803	780	1630	45	935	411	313	60	3658	8,635
Transport/Tanker	560	1350	1964	77	376	307	333	41	963	5,971
Light Transport/VIP/Liaison	537	360	570	7	1090	232	331	45	1380	4,552
<b>Total</b>	<b>6,091</b>	<b>10,738</b>	<b>9,144</b>	<b>380</b>	<b>3,519</b>	<b>3,641</b>	<b>3,296</b>	<b>382</b>	<b>16,477</b>	<b>53,668</b>
	Design Origin EU									
	EU	Other Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia and Australasia	Units World
Bomber/Attack	184	0	196	0	18	0	0	0	27	425
Fighter/Fighter-Attack/Interceptor	1,951	51	0	0	174	237	258	47	327	3,045
Maritime Patrol/Electronic	102	0	0	0	0	0	0	0	4	106
Light Attack/Armed Trainer	738	58	0	0	190	238	316	189	222	1,951
Basic Trainer	434	17	178	0	26	57	51	0	265	1,028
Transport/Tanker	325	55	0	5	72	46	59	9	215	786
Light Transport/VIP/Liaison	349	7	36	0	145	41	178	4	158	918
<b>Total</b>	<b>4,083</b>	<b>188</b>	<b>410</b>	<b>5</b>	<b>625</b>	<b>619</b>	<b>862</b>	<b>249</b>	<b>1,218</b>	<b>8,259</b>

Source: IDDS Almanac 1997

TABLE 5.1 (b)

## MILITARY FIXED-WING AIRCRAFT FLEET

## Summary of Fleet (Units at Year-end)

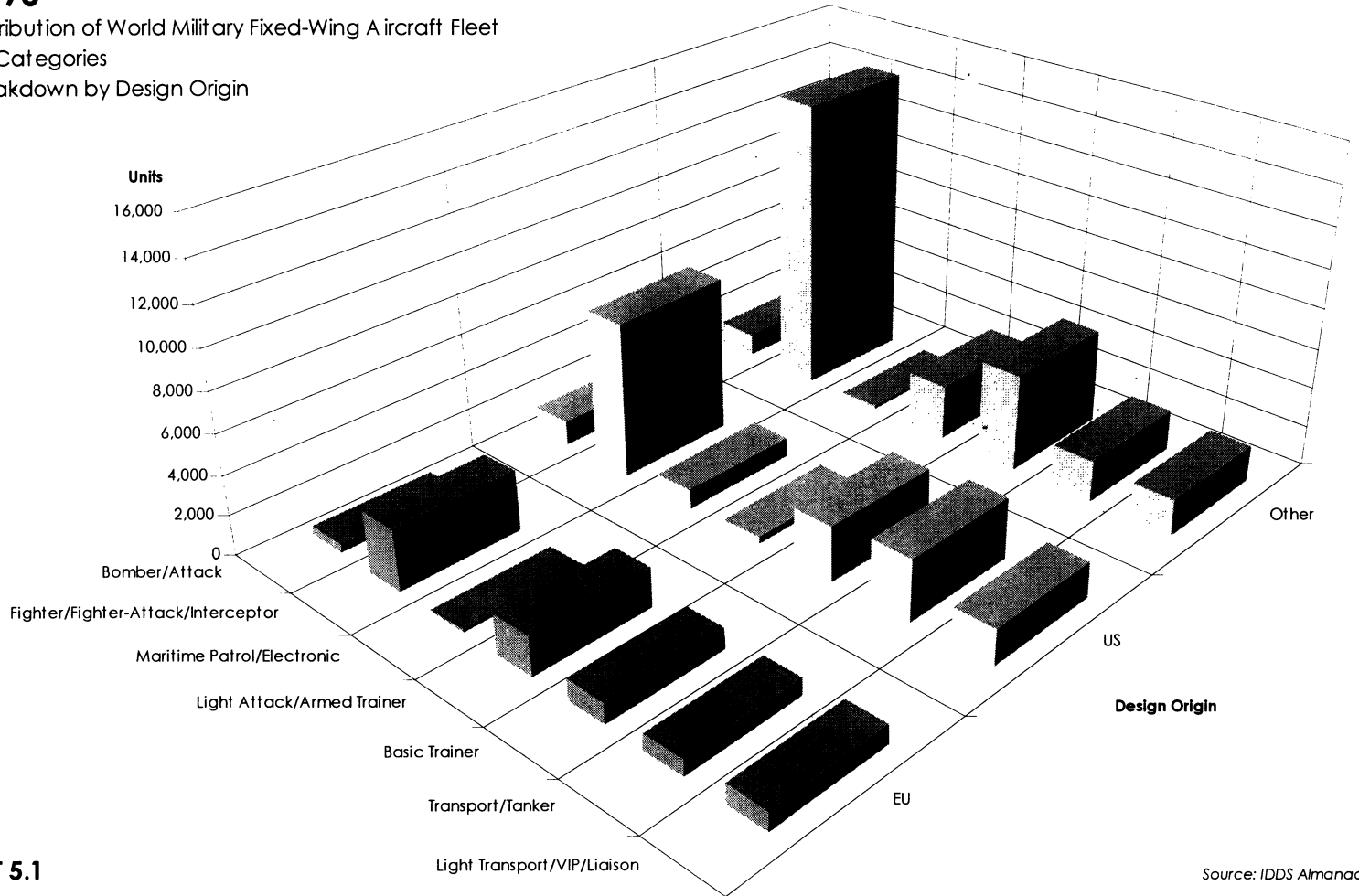
1996

<i>Design Origin US</i>										
	EU	Other Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia and Australasia	Units World
Bomber/Attack	164	0	790	0	52	64	0	0	137	1,207
Fighter/Fighter-Attack/Interceptor	940	610	3,414	122	139	942	274	0	1,365	7,806
Maritime Patrol/Electronic	58	6	578	21	26	22	5	0	243	959
Light Attack/Armed Trainer	11	0	2	0	182	0	37	0	109	341
Basic Trainer	198	194	1,452	45	441	19	26	0	406	2,781
Transport/Tanker	195	27	1,964	37	215	191	148	32	294	3,103
Light Transport/VIP/Liaison	119	8	522	0	504	164	91	41	343	1,792
<b>Total</b>	<b>1,685</b>	<b>845</b>	<b>8,722</b>	<b>225</b>	<b>1,559</b>	<b>1,402</b>	<b>581</b>	<b>73</b>	<b>2,897</b>	<b>17,989</b>
<i>Design Origin Other</i>										
	EU	Other Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia and Australasia	Units World
Bomber/Attack	0	424	0	0	0	6	7	0	701	1,138
Fighter/Fighter-Attack/Interceptor	43	5,284	0	0	206	1,072	1,002	0	7,011	14,618
Maritime Patrol/Electronic	0	88	0	0	32	0	4	0	13	137
Light Attack/Armed Trainer	0	1,727	0	108	99	110	416	0	317	2,777
Basic Trainer	171	569	0	0	468	335	236	60	2,987	4,826
Transport/Tanker	40	1,268	0	35	89	70	126	0	454	2,082
Light Transport/VIP/Liaison	69	345	12	7	441	27	62	0	879	1,842
<b>Total</b>	<b>323</b>	<b>9,705</b>	<b>12</b>	<b>150</b>	<b>1,335</b>	<b>1,620</b>	<b>1,853</b>	<b>60</b>	<b>12,362</b>	<b>27,420</b>

Source: IDDS Almanac 1997

# 1996

Distribution of World Military Fixed-Wing Aircraft Fleet  
on Categories  
Breakdown by Design Origin



**CHART 5.1**

Source: IDDS Almanac 1997

TABLE 5.2

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
(Units at Year-end)

	Europe																	
	EU							Other Europe										
	Design Origin EU			Design Origin US				Design Origin Other	Units	Design Origin EU			Design Origin US				Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built	EU built			US built	Other built	EU built	US built	Other built				
1982	61.6 %	0.0 %	0.0 %	3.0 %	26.1 %	0.0 %	9.3 %	<b>8,249</b>	2.7 %	0.0 %	0.0 %	0.3 %	4.6 %	0.4 %	92.0 %	<b>16,957</b>		
1987	63.2 %	0.0 %	0.0 %	4.5 %	22.8 %	0.0 %	9.5 %	<b>8,065</b>	1.9 %	0.0 %	0.0 %	0.6 %	4.5 %	0.6 %	92.4 %	<b>18,493</b>		
1992	69.0 %	0.3 %	0.0 %	6.4 %	18.9 %	0.0 %	5.5 %	<b>7,642</b>	1.2 %	0.0 %	0.2 %	0.5 %	5.0 %	1.1 %	92.0 %	<b>17,942</b>		
1993	69.3 %	0.3 %	0.0 %	6.3 %	18.0 %	0.0 %	6.1 %	<b>7,293</b>	1.4 %	0.0 %	0.2 %	0.4 %	5.5 %	1.4 %	91.1 %	<b>16,145</b>		
1994	67.8 %	0.3 %	0.0 %	7.0 %	19.0 %	0.0 %	5.9 %	<b>6,886</b>	1.2 %	0.0 %	0.4 %	0.4 %	5.5 %	1.7 %	90.7 %	<b>14,033</b>		
1995	67.0 %	0.3 %	0.0 %	7.3 %	19.6 %	0.0 %	5.7 %	<b>6,582</b>	0.9 %	0.0 %	0.6 %	0.5 %	5.6 %	2.0 %	90.5 %	<b>12,045</b>		
1996	66.7 %	0.3 %	0.0 %	7.0 %	20.7 %	0.0 %	5.3 %	<b>6,091</b>	1.0 %	0.0 %	0.8 %	0.5 %	5.1 %	2.2 %	90.4 %	<b>10,738</b>		
	USA																	
	Design Origin EU							Rest of World										
	Design Origin EU			Design Origin US				Design Origin Other	Units	Design Origin EU			Design Origin US				Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built	EU built			US built	Other built	EU built	US built	Other built				
1982	0.4 %	0.0 %	0.0 %	0.0 %	99.4 %	0.0 %	0.2 %	<b>14,116</b>	11.8 %	0.0 %	2.8 %	0.2 %	26.1 %	1.8 %	57.4 %	<b>26,307</b>		
1987	0.5 %	0.6 %	0.0 %	0.0 %	98.5 %	0.0 %	0.4 %	<b>14,072</b>	11.4 %	0.0 %	2.6 %	0.2 %	22.1 %	1.8 %	61.9 %	<b>29,953</b>		
1992	0.3 %	1.7 %	0.0 %	0.0 %	97.8 %	0.0 %	0.2 %	<b>11,395</b>	9.8 %	0.0 %	2.7 %	0.1 %	21.7 %	2.5 %	63.1 %	<b>31,038</b>		
1993	0.5 %	1.9 %	0.0 %	0.0 %	97.4 %	0.0 %	0.2 %	<b>10,683</b>	9.6 %	0.0 %	3.0 %	0.1 %	21.9 %	2.6 %	62.8 %	<b>30,701</b>		
1994	0.8 %	2.5 %	0.0 %	0.0 %	96.5 %	0.0 %	0.2 %	<b>9,914</b>	9.3 %	0.0 %	3.1 %	0.1 %	21.8 %	2.8 %	62.8 %	<b>29,544</b>		
1995	0.9 %	3.1 %	0.0 %	0.0 %	95.8 %	0.0 %	0.1 %	<b>9,674</b>	9.5 %	0.0 %	3.3 %	0.1 %	21.4 %	3.0 %	62.7 %	<b>28,735</b>		
1996	1.1 %	3.4 %	0.0 %	0.0 %	95.4 %	0.0 %	0.1 %	<b>9,144</b>	9.6 %	0.0 %	3.4 %	0.1 %	21.1 %	3.1 %	62.8 %	<b>27,695</b>		

Source: IDDS Almanac 1997

TABLE 5.3 (a)

**EU MILITARY FIXED-WING AIRCRAFT FLEET**  
(Units at Year-end)

	<b>AT</b>							<b>BE</b>							<b>DE</b>												
	Design Origin EU			Design Origin US				Design Origin Other	Units	Design Origin EU			Design Origin US				Design Origin Other	Units	Design Origin EU			Design Origin US				Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built	EU built			US built	Other built	EU built	US built	Other built	EU built	US built			Other built	EU built	US built	Other built	EU built	US built	Other built		
1982	60.5 %	0.0 %	0.0 %	0.0 %	23.3 %	0.0 %	16.3 %	86	65.7 %	0.0 %	0.0 %	13.6 %	20.8 %	0.0 %	0.0 %	245	28.3 %	0.0 %	0.0 %	0.0 %	37.1 %	0.0 %	34.5 %	1,627			
1987	54.7 %	0.0 %	0.0 %	0.0 %	15.8 %	0.0 %	29.5 %	95	64.5 %	0.0 %	0.0 %	28.1 %	7.4 %	0.0 %	0.0 %	256	43.0 %	0.0 %	0.0 %	0.0 %	25.5 %	0.0 %	31.5 %	1,494			
1992	56.6 %	0.0 %	0.0 %	0.0 %	15.2 %	0.0 %	28.3 %	99	45.9 %	0.0 %	0.0 %	45.9 %	8.2 %	0.0 %	0.0 %	233	66.5 %	0.0 %	0.0 %	0.0 %	28.9 %	0.0 %	4.6 %	1,073			
1993	56.6 %	0.0 %	0.0 %	0.0 %	15.2 %	0.0 %	28.3 %	99	45.9 %	0.0 %	0.0 %	45.9 %	8.2 %	0.0 %	0.0 %	233	68.5 %	0.0 %	0.0 %	0.0 %	27.8 %	0.0 %	3.8 %	1,008			
1994	56.6 %	0.0 %	0.0 %	0.0 %	15.2 %	0.0 %	28.3 %	99	38.0 %	0.0 %	0.0 %	54.3 %	7.8 %	0.0 %	0.0 %	245	65.4 %	0.0 %	0.0 %	0.0 %	29.8 %	0.0 %	4.8 %	795			
1995	56.1 %	0.0 %	0.0 %	0.0 %	15.3 %	0.0 %	28.6 %	98	38.0 %	0.0 %	0.0 %	54.3 %	7.8 %	0.0 %	0.0 %	245	65.4 %	0.0 %	0.0 %	0.0 %	29.9 %	0.0 %	4.7 %	793			
1996	56.7 %	0.0 %	0.0 %	0.0 %	14.4 %	0.0 %	28.9 %	97	35.9 %	0.0 %	0.0 %	56.4 %	7.7 %	0.0 %	0.0 %	234	64.7 %	0.0 %	0.0 %	0.0 %	30.5 %	0.0 %	4.8 %	770			
	<b>DK</b>							<b>ES</b>							<b>FI</b>												
	Design Origin EU			Design Origin US				Design Origin Other	Units	Design Origin EU			Design Origin US				Design Origin Other	Units	Design Origin EU			Design Origin US				Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built	EU built			US built	Other built	EU built	US built	Other built	EU built	US built			Other built	EU built	US built	Other built	EU built	US built	Other built		
1982	43.0 %	0.0 %	0.0 %	24.2 %	32.7 %	0.0 %	0.0 %	165	46.1 %	0.0 %	0.0 %	0.0 %	49.5 %	0.0 %	0.0 %	584	75.4 %	0.0 %	0.0 %	0.0 %	8.9 %	0.0 %	15.6 %	179			
1987	61.2 %	0.0 %	0.0 %	34.5 %	4.3 %	0.0 %	0.0 %	139	57.9 %	0.0 %	0.0 %	0.0 %	34.7 %	0.0 %	0.0 %	585	70.1 %	0.0 %	0.0 %	0.0 %	9.6 %	0.0 %	20.3 %	187			
1992	53.7 %	0.0 %	0.0 %	42.3 %	4.0 %	0.0 %	0.0 %	149	60.4 %	3.7 %	0.0 %	0.0 %	32.2 %	0.0 %	0.0 %	566	73.1 %	0.0 %	0.0 %	0.0 %	9.1 %	0.0 %	17.8 %	197			
1993	52.1 %	0.0 %	0.0 %	43.8 %	4.2 %	0.0 %	0.0 %	144	57.0 %	4.3 %	0.0 %	0.0 %	34.3 %	0.0 %	0.0 %	484	73.1 %	0.0 %	0.0 %	0.0 %	9.3 %	0.0 %	17.6 %	193			
1994	45.9 %	0.0 %	0.0 %	49.6 %	4.5 %	0.0 %	0.0 %	133	57.6 %	4.3 %	0.0 %	0.0 %	33.8 %	0.0 %	0.0 %	491	72.8 %	0.0 %	0.0 %	0.0 %	9.4 %	0.0 %	17.8 %	191			
1995	33.9 %	0.0 %	0.0 %	60.6 %	5.5 %	0.0 %	0.0 %	109	58.1 %	4.1 %	0.0 %	0.0 %	33.7 %	0.0 %	0.0 %	508	72.0 %	0.0 %	0.0 %	0.0 %	11.4 %	0.0 %	16.6 %	193			
1996	33.6 %	0.0 %	0.0 %	61.7 %	4.7 %	0.0 %	0.0 %	107	59.0 %	3.9 %	0.0 %	0.0 %	34.2 %	0.0 %	0.0 %	512	76.1 %	0.0 %	0.0 %	0.0 %	13.3 %	0.0 %	10.6 %	180			

Source: IDDS Almanac 1997

TABLE 5.3 (b)

**EU MILITARY FIXED-WING AIRCRAFT FLEET**  
(Units at Year-end)

	FR							GB							GR									
	Design Origin EU			Design Origin US			Design Origin Other	Units	Design Origin EU			Design Origin US			Design Origin Other	Units	Design Origin EU			Design Origin US			Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built			EU built	US built	Other built	EU built	US built	Other built			EU built	US built	Other built	EU built	US built	Other built		
1982	92.6 %	0.0 %	0.0 %	0.0 %	6.1 %	0.0 %	1.3 %	1,487	81.7 %	0.0 %	0.0 %	0.0 %	12.8 %	0.0 %	5.5 %	1,307	10.3 %	0.0 %	0.0 %	0.0 %	87.4 %	0.0 %	0.0 %	572
1987	91.8 %	0.0 %	0.0 %	0.0 %	5.0 %	0.0 %	3.2 %	1,513	78.7 %	0.0 %	0.0 %	0.0 %	14.5 %	0.0 %	6.8 %	1,295	8.7 %	0.0 %	0.0 %	0.0 %	87.9 %	0.0 %	0.0 %	619
1992	93.4 %	0.0 %	0.0 %	0.2 %	3.1 %	0.0 %	3.3 %	1,605	76.2 %	0.0 %	0.0 %	0.0 %	7.6 %	0.0 %	16.1 %	1,245	11.9 %	0.0 %	0.0 %	0.0 %	84.9 %	0.0 %	0.0 %	616
1993	92.9 %	0.0 %	0.0 %	0.2 %	3.1 %	0.0 %	3.8 %	1,558	76.3 %	0.0 %	0.0 %	0.0 %	3.9 %	0.0 %	19.8 %	1,202	12.7 %	0.0 %	0.0 %	0.0 %	84.4 %	0.0 %	0.0 %	597
1994	92.5 %	0.0 %	0.0 %	0.1 %	3.3 %	0.0 %	4.1 %	1,475	76.5 %	0.0 %	0.0 %	0.0 %	6.6 %	0.0 %	16.9 %	1,161	12.6 %	0.0 %	0.0 %	0.0 %	84.6 %	0.0 %	0.0 %	603
1995	90.9 %	0.0 %	0.0 %	0.2 %	3.3 %	0.0 %	5.7 %	1,301	78.3 %	0.0 %	0.0 %	0.0 %	7.1 %	0.0 %	14.6 %	1,088	13.0 %	0.0 %	0.0 %	0.0 %	84.3 %	0.0 %	0.0 %	585
1996	88.0 %	0.0 %	0.0 %	0.0 %	3.6 %	0.0 %	8.4 %	1,129	82.3 %	0.0 %	0.0 %	0.0 %	7.3 %	0.0 %	10.4 %	990	12.4 %	0.0 %	0.0 %	0.0 %	84.9 %	0.0 %	0.0 %	598
	IE							IT							LU									
	Design Origin EU			Design Origin US			Design Origin Other	Units	Design Origin EU			Design Origin US			Design Origin Other	Units	Design Origin EU			Design Origin US			Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built			EU built	US built	Other built	EU built	US built	Other built			EU built	US built	Other built	EU built	US built	Other built		
1982	57.7 %	0.0 %	0.0 %	0.0 %	42.3 %	0.0 %	0.0 %	26	68.7 %	0.0 %	0.0 %	17.1 %	14.2 %	0.0 %	0.0 %	738	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	1
1987	48.5 %	0.0 %	0.0 %	0.0 %	51.5 %	0.0 %	0.0 %	33	72.9 %	0.0 %	0.0 %	13.6 %	13.5 %	0.0 %	0.0 %	748	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	20
1992	59.3 %	0.0 %	0.0 %	0.0 %	40.7 %	0.0 %	0.0 %	27	75.6 %	0.0 %	0.0 %	15.9 %	8.5 %	0.0 %	0.0 %	790	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	20
1993	59.3 %	0.0 %	0.0 %	0.0 %	40.7 %	0.0 %	0.0 %	27	79.4 %	0.0 %	0.0 %	13.6 %	7.0 %	0.0 %	0.0 %	728	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	20
1994	59.3 %	0.0 %	0.0 %	0.0 %	40.7 %	0.0 %	0.0 %	27	79.6 %	0.0 %	0.0 %	15.5 %	4.9 %	0.0 %	0.0 %	638	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	20
1995	63.0 %	0.0 %	0.0 %	0.0 %	37.0 %	0.0 %	0.0 %	27	80.5 %	0.0 %	0.0 %	14.8 %	4.6 %	0.0 %	0.0 %	667	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	20
1996	62.5 %	0.0 %	0.0 %	0.0 %	37.5 %	0.0 %	0.0 %	24	80.9 %	0.0 %	0.0 %	14.0 %	5.1 %	0.0 %	0.0 %	571	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	19

Source: IDDS Almanac 1997

TABLE 5.3 (c)

**EU MILITARY FIXED-WING AIRCRAFT FLEET**  
(Units at Year-end)

	<b>NL</b>							<b>PT</b>							<b>SE</b>												
	<u>Design Origin EU1</u>			<u>Design Origin US</u>				Design Origin Other	Units	<u>Design Origin EU1</u>			<u>Design Origin US</u>				Design Origin Other	Units	<u>Design Origin EU1</u>			<u>Design Origin US</u>				Design Origin Other	Units
	EU built	US built	Other built	EU built	US built	Other built	EU built			US built	Other built	EU built	US built	Other built	EU built	US built			Other built	EU built	US built	Other built	EU built	US built	Other built		
1982	10.7 %	0.0 %	0.0 %	25.7 %	63.6 %	0.0 %	0.0 %	187	34.1 %	0.0 %	0.0 %	0.0 %	51.9 %	0.0 %	14.0 %	214	98.5 %	0.0 %	0.0 %	0.0 %	1.5 %	0.0 %	0.0 %	811			
1987	6.0 %	0.0 %	0.0 %	60.4 %	33.6 %	0.0 %	0.0 %	235	27.8 %	0.0 %	0.0 %	0.0 %	59.8 %	0.0 %	12.4 %	266	97.9 %	0.0 %	0.0 %	0.0 %	2.1 %	0.0 %	0.0 %	580			
1992	6.2 %	0.0 %	0.0 %	83.6 %	5.8 %	0.0 %	4.4 %	225	47.1 %	0.0 %	0.0 %	0.0 %	52.9 %	0.0 %	0.0 %	187	97.5 %	0.0 %	0.0 %	0.0 %	2.5 %	0.0 %	0.0 %	610			
1993	6.3 %	0.0 %	0.0 %	83.3 %	5.9 %	0.0 %	4.5 %	222	52.6 %	0.0 %	0.0 %	0.0 %	47.4 %	0.0 %	0.0 %	213	97.3 %	0.0 %	0.0 %	0.0 %	2.7 %	0.0 %	0.0 %	565			
1994	6.3 %	0.0 %	0.0 %	82.8 %	6.3 %	0.0 %	4.5 %	221	48.2 %	0.0 %	0.0 %	0.0 %	51.8 %	0.0 %	0.0 %	228	97.3 %	0.0 %	0.0 %	0.0 %	2.7 %	0.0 %	0.0 %	559			
1995	6.3 %	0.0 %	0.0 %	82.4 %	6.8 %	0.0 %	4.5 %	221	41.0 %	0.0 %	0.0 %	0.0 %	59.0 %	0.0 %	0.0 %	200	97.2 %	0.0 %	0.0 %	0.0 %	2.8 %	0.0 %	0.0 %	527			
1996	4.9 %	0.0 %	0.0 %	79.8 %	9.8 %	0.0 %	5.5 %	183	47.0 %	0.0 %	0.0 %	0.0 %	53.0 %	0.0 %	0.0 %	149	97.2 %	0.0 %	0.0 %	0.0 %	2.8 %	0.0 %	0.0 %	528			

Source: IDDS Almanac 1997



TABLE 5.4

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
All Categories  
(Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World	
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	America	Latin	Middle East	Africa	Republic of South Africa		Asia + Australasia
1982	1.0 %	3.2 %	19.7 %	2.0 %	7.1 %	2.2 %	18.0 %	15.8 %	6.9 %	0.3 %	8.9 %	0.0 %	2.3 %	2.6 %	9.8 %	8,249	12.6 %	25.8 %	21.5 %	0.7 %	5.4 %	5.4 %	5.9 %	0.8 %	21.9 %	65,629	
1987	1.2 %	3.2 %	18.5 %	1.7 %	7.3 %	2.3 %	18.8 %	16.1 %	7.7 %	0.4 %	9.3 %	0.2 %	2.9 %	3.3 %	7.2 %	8,045	11.4 %	26.2 %	19.9 %	0.6 %	5.5 %	5.5 %	6.0 %	0.8 %	24.1 %	70,583	
1992	1.3 %	3.0 %	14.0 %	1.9 %	7.4 %	2.6 %	21.0 %	16.3 %	8.1 %	0.4 %	10.3 %	0.3 %	2.9 %	2.4 %	8.0 %	7,442	11.2 %	26.4 %	16.8 %	0.7 %	5.8 %	6.0 %	5.5 %	0.8 %	26.9 %	68,017	
1993	1.4 %	3.2 %	13.8 %	2.0 %	6.6 %	2.6 %	21.4 %	16.5 %	8.2 %	0.4 %	10.0 %	0.3 %	3.0 %	2.9 %	7.7 %	7,293	11.3 %	24.9 %	16.5 %	0.7 %	6.1 %	6.3 %	5.6 %	0.7 %	28.0 %	64,822	
1994	1.4 %	3.6 %	11.5 %	1.9 %	7.1 %	2.8 %	21.4 %	16.9 %	8.8 %	0.4 %	9.3 %	0.3 %	3.2 %	3.3 %	8.1 %	6,886	11.4 %	23.2 %	16.4 %	0.7 %	6.1 %	6.3 %	5.7 %	0.8 %	29.3 %	60,377	
1995	1.5 %	3.7 %	12.0 %	1.7 %	7.7 %	2.9 %	19.8 %	16.5 %	8.9 %	0.4 %	10.1 %	0.3 %	3.4 %	3.0 %	8.0 %	6,582	11.5 %	21.1 %	17.0 %	0.7 %	6.4 %	6.5 %	5.9 %	0.7 %	30.2 %	57,036	
1996	1.6 %	3.8 %	12.6 %	1.8 %	8.4 %	3.0 %	18.5 %	16.3 %	9.8 %	0.4 %	9.4 %	0.3 %	3.0 %	2.4 %	8.7 %	6,091	11.3 %	20.0 %	17.0 %	0.7 %	6.6 %	6.8 %	6.1 %	0.7 %	30.7 %	53,648	
Design Origin EU - Market Shares in Member States																	Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	America	Latin	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1982	60.5 %	65.7 %	28.3 %	43.0 %	46.1 %	75.4 %	92.6 %	81.7 %	10.3 %	57.7 %	68.7 %	0.0 %	10.7 %	34.1 %	98.5 %	61.6 %	2.7 %	0.4 %	1.6 %	19.0 %	17.5 %	28.9 %	65.7 %	7.4 %	14.4 %		
1987	54.7 %	64.5 %	43.0 %	61.2 %	57.9 %	70.1 %	91.8 %	78.7 %	8.7 %	48.5 %	72.9 %	0.0 %	6.0 %	27.8 %	97.9 %	63.2 %	1.9 %	1.1 %	1.6 %	18.6 %	17.5 %	30.2 %	59.7 %	7.0 %	13.9 %		
1992	56.6 %	45.9 %	66.5 %	53.7 %	64.1 %	73.1 %	93.4 %	76.2 %	11.9 %	59.3 %	75.6 %	0.0 %	6.2 %	47.1 %	97.5 %	69.3 %	1.4 %	2.0 %	0.0 %	17.0 %	18.1 %	27.9 %	59.6 %	6.1 %	14.2 %		
1993	56.6 %	45.9 %	68.5 %	52.1 %	61.4 %	73.1 %	92.9 %	76.3 %	12.7 %	59.3 %	79.4 %	0.0 %	6.3 %	52.6 %	97.3 %	69.6 %	1.7 %	2.4 %	0.0 %	16.6 %	17.1 %	28.4 %	56.6 %	6.6 %	14.6 %		
1994	56.6 %	38.0 %	65.4 %	45.9 %	61.9 %	72.8 %	92.5 %	76.5 %	12.6 %	59.3 %	79.6 %	0.0 %	6.3 %	48.2 %	97.3 %	68.2 %	1.7 %	3.4 %	1.1 %	16.7 %	17.3 %	26.8 %	55.1 %	6.8 %	14.8 %		
1995	56.1 %	38.0 %	65.4 %	33.9 %	62.2 %	72.0 %	90.9 %	78.3 %	13.0 %	63.0 %	80.5 %	0.0 %	6.3 %	41.0 %	97.2 %	67.3 %	1.5 %	4.0 %	1.3 %	17.3 %	17.2 %	26.7 %	65.5 %	7.1 %	15.2 %		
1996	56.7 %	35.9 %	64.7 %	33.6 %	62.9 %	76.1 %	88.0 %	82.3 %	12.4 %	62.5 %	80.9 %	0.0 %	4.9 %	47.0 %	97.2 %	67.0 %	1.8 %	4.5 %	1.3 %	17.8 %	17.0 %	26.2 %	65.2 %	7.4 %	15.4 %		
Design Origin EU - Distribution among Member States																	Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	America	Latin	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1982	1.0 %	3.4 %	9.1 %	1.4 %	5.3 %	2.7 %	27.1 %	21.0 %	1.2 %	0.3 %	10.0 %	0.0 %	0.4 %	1.4 %	15.7 %	5,080	53.9 %	4.8 %	0.7 %	0.1 %	7.2 %	6.6 %	11.9 %	3.5 %	11.2 %	9,423	
1987	1.0 %	3.2 %	12.6 %	1.7 %	6.7 %	2.6 %	27.3 %	20.0 %	1.1 %	0.3 %	10.7 %	0.0 %	0.3 %	1.5 %	11.2 %	5,094	52.0 %	3.7 %	1.6 %	0.1 %	7.3 %	6.9 %	13.1 %	3.3 %	12.1 %	9,797	
1992	1.1 %	2.0 %	13.5 %	1.5 %	6.9 %	2.7 %	28.3 %	17.9 %	1.4 %	0.3 %	11.3 %	0.0 %	0.3 %	1.7 %	11.2 %	5,295	54.8 %	2.6 %	2.4 %	0.0 %	6.9 %	7.7 %	10.8 %	3.3 %	11.5 %	9,656	
1993	1.1 %	2.1 %	13.6 %	1.5 %	5.9 %	2.8 %	28.5 %	18.1 %	1.5 %	0.3 %	11.4 %	0.0 %	0.3 %	2.2 %	10.8 %	5,076	53.7 %	2.8 %	2.7 %	0.0 %	6.9 %	7.4 %	10.9 %	2.9 %	12.7 %	9,440	
1994	1.2 %	2.0 %	11.1 %	1.3 %	6.5 %	3.0 %	29.1 %	18.9 %	1.6 %	0.3 %	10.8 %	0.0 %	0.3 %	2.3 %	11.6 %	4,493	52.5 %	2.7 %	3.7 %	0.1 %	6.9 %	7.4 %	10.4 %	2.8 %	13.5 %	8,934	
1995	1.2 %	2.1 %	11.7 %	0.8 %	7.1 %	3.1 %	26.7 %	19.2 %	1.7 %	0.4 %	12.1 %	0.0 %	0.3 %	1.9 %	11.6 %	4,431	51.1 %	2.1 %	4.5 %	0.1 %	7.3 %	7.4 %	10.4 %	2.9 %	14.2 %	8,644	
1996	1.3 %	2.1 %	12.2 %	0.9 %	7.9 %	3.4 %	24.3 %	20.0 %	1.8 %	0.4 %	11.3 %	0.0 %	0.2 %	1.7 %	12.6 %	4,083	49.4 %	2.3 %	5.0 %	0.1 %	7.6 %	7.5 %	10.4 %	3.0 %	14.7 %	8,259	

Source: DDS Almanac 1997

TABLE 5.5

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Bomber/Attack**  
 (Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1982	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	8.9%	68.6%	14.8%	0.0%	0.0%	0.0%	0.0%	4.9%	0.0%	<b>405</b>	6.4%	26.0%	46.1%	0.0%	1.7%	4.2%	0.8%	0.2%	14.7%	<b>6,343</b>
1987	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	12.1%	54.6%	16.2%	0.0%	0.0%	0.0%	0.0%	14.0%	0.0%	<b>315</b>	4.8%	25.9%	45.8%	0.0%	1.5%	3.2%	0.4%	0.2%	18.2%	<b>6,537</b>
1992	0.0%	0.0%	0.0%	0.0%	6.9%	0.0%	12.5%	53.0%	14.5%	0.0%	0.7%	0.0%	0.0%	12.5%	0.0%	<b>304</b>	6.6%	32.3%	35.3%	0.0%	1.2%	3.9%	0.2%	0.0%	20.6%	<b>4,595</b>
1993	0.0%	0.0%	0.0%	0.0%	6.2%	0.0%	11.1%	44.3%	27.0%	0.0%	0.6%	0.0%	0.0%	10.9%	0.0%	<b>341</b>	8.0%	30.4%	33.7%	0.0%	1.2%	4.2%	0.2%	0.0%	22.2%	<b>4,241</b>
1994	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%	12.1%	38.5%	29.3%	0.0%	1.6%	0.0%	0.0%	11.8%	0.0%	<b>314</b>	9.4%	25.1%	33.4%	0.0%	2.4%	2.1%	0.2%	0.0%	27.3%	<b>3,355</b>
1995	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%	10.3%	37.8%	29.5%	0.0%	3.8%	0.0%	0.0%	11.9%	0.0%	<b>312</b>	10.7%	15.5%	36.8%	0.0%	2.7%	2.5%	0.2%	0.0%	31.5%	<b>2,923</b>
1996	0.0%	0.0%	0.0%	0.0%	5.7%	0.0%	9.2%	33.6%	36.8%	0.0%	4.3%	0.0%	0.0%	10.3%	0.0%	<b>348</b>	12.6%	15.3%	35.6%	0.0%	2.5%	2.5%	0.3%	0.0%	31.2%	<b>2,770</b>
Design Origin EU - Market Shares in Member States																	Design Origin EU - Market Shares in Zones									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1982	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	-	-	-	0.0%	-	-	80.2%	0.0%	2.1%	-	53.6%	0.0%	14.0%	100.0%	11.3%	9.0%
1987	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	-	-	-	0.0%	-	-	69.8%	0.0%	4.4%	-	68.0%	0.0%	29.2%	100.0%	4.5%	7.5%
1992	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	100.0%	-	-	0.0%	-	-	73.0%	0.0%	11.8%	-	69.8%	0.0%	0.0%	-	5.0%	10.8%
1993	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	100.0%	-	-	0.0%	-	-	62.2%	0.0%	14.1%	-	69.8%	0.0%	0.0%	-	4.6%	11.6%
1994	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	100.0%	-	-	0.0%	-	-	58.9%	0.0%	18.9%	-	36.6%	0.0%	0.0%	-	4.7%	14.0%
1995	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	100.0%	-	-	0.0%	-	-	58.7%	0.0%	19.1%	-	35.0%	0.0%	0.0%	-	4.3%	15.6%
1996	-	-	-	-	100.0%	-	100.0%	100.0%	0.0%	-	100.0%	-	-	0.0%	-	-	52.9%	0.0%	19.9%	-	25.7%	0.0%	0.0%	-	3.1%	15.3%
Design Origin EU - Distribution among Member States																	Design Origin EU - Distribution among Zones									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1982	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	11.1%	85.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	<b>325</b>	56.8%	0.0%	10.8%	0.0%	10.3%	0.0%	1.2%	2.4%	18.4%	<b>572</b>
1987	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	17.3%	78.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	<b>220</b>	44.7%	0.0%	27.0%	0.0%	13.4%	0.0%	1.4%	2.4%	11.0%	<b>492</b>
1992	0.0%	0.0%	0.0%	0.0%	9.5%	0.0%	17.1%	72.5%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	<b>222</b>	44.6%	0.0%	38.6%	0.0%	7.4%	0.0%	0.0%	0.0%	9.4%	<b>498</b>
1993	0.0%	0.0%	0.0%	0.0%	9.9%	0.0%	17.9%	71.2%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	<b>212</b>	43.0%	0.0%	40.8%	0.0%	7.5%	0.0%	0.0%	0.0%	8.7%	<b>493</b>
1994	0.0%	0.0%	0.0%	0.0%	11.4%	0.0%	20.5%	65.4%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	<b>185</b>	39.4%	0.0%	45.1%	0.0%	6.4%	0.0%	0.0%	0.0%	9.1%	<b>470</b>
1995	0.0%	0.0%	0.0%	0.0%	11.5%	0.0%	17.5%	64.5%	0.0%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%	<b>183</b>	40.1%	0.0%	45.0%	0.0%	6.1%	0.0%	0.0%	0.0%	8.8%	<b>456</b>
1996	0.0%	0.0%	0.0%	0.0%	10.9%	0.0%	17.4%	63.6%	0.0%	0.0%	8.2%	0.0%	0.0%	0.0%	0.0%	<b>184</b>	43.3%	0.0%	46.1%	0.0%	4.2%	0.0%	0.0%	0.0%	6.4%	<b>425</b>

Source: IDS Almanac 1997

TABLE 5.6

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Fighter/Fighter-Attack/Interceptor**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1982	0.0%	3.9%	25.9%	3.5%	4.8%	1.7%	16.2%	10.0%	7.1%	0.0%	9.6%	0.0%	4.5%	1.4%	11.5%	3,481	11.3%	31.5%	14.4%	0.5%	2.0%	6.4%	5.6%	0.3%	28.1%	32,691
1987	0.0%	4.0%	23.9%	2.7%	5.7%	2.3%	15.8%	11.5%	8.3%	0.0%	10.1%	0.0%	5.8%	1.5%	8.4%	3,568	10.2%	32.7%	13.8%	0.5%	2.0%	6.6%	5.9%	0.2%	28.1%	34,942
1992	0.7%	3.5%	18.2%	3.0%	5.8%	2.3%	19.6%	9.7%	8.9%	0.0%	11.4%	0.0%	5.4%	0.9%	10.6%	3,478	10.5%	30.6%	13.0%	0.5%	1.9%	7.3%	5.3%	0.2%	30.6%	33,121
1993	0.7%	3.7%	18.3%	3.1%	4.8%	2.4%	20.3%	11.1%	7.9%	0.0%	10.2%	0.0%	5.6%	1.0%	10.9%	3,297	10.6%	27.8%	13.6%	0.6%	1.9%	7.9%	5.2%	0.2%	32.1%	30,996
1994	0.7%	4.1%	17.1%	2.8%	5.1%	2.4%	19.3%	11.6%	8.3%	0.0%	10.3%	0.0%	5.7%	1.6%	11.0%	3,225	11.1%	26.3%	13.2%	0.6%	1.8%	8.2%	5.5%	0.2%	33.1%	29,107
1995	0.8%	4.3%	17.7%	2.4%	5.8%	2.6%	17.4%	11.8%	8.2%	0.0%	11.3%	0.0%	5.8%	0.7%	11.3%	3,117	11.5%	23.6%	13.7%	0.5%	2.0%	8.6%	5.8%	0.2%	34.2%	27,077
1996	0.8%	4.5%	18.2%	2.5%	6.7%	2.3%	16.7%	11.6%	8.8%	0.0%	10.1%	0.0%	5.0%	0.7%	12.2%	2,934	11.5%	23.3%	13.4%	0.5%	2.0%	8.8%	6.0%	0.2%	34.2%	25,449
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1982	-	50.0%	6.8%	31.3%	44.0%	56.3%	97.3%	69.8%	14.5%	-	47.3%	-	0.0%	100.0%	100.0%	49.0%	2.0%	0.0%	0.0%	28.8%	9.7%	13.2%	100.0%	3.8%	9.4%	
1987	-	48.9%	25.4%	50.0%	44.6%	53.7%	97.2%	72.3%	11.5%	-	56.9%	-	0.0%	100.0%	100.0%	53.4%	1.6%	0.0%	0.0%	28.6%	10.5%	14.0%	100.0%	4.5%	9.6%	
1992	100.0%	12.3%	59.8%	40.6%	38.0%	56.8%	98.2%	92.3%	19.0%	-	58.5%	-	0.0%	93.5%	100.0%	64.7%	1.4%	0.0%	0.0%	32.2%	12.2%	15.0%	100.0%	3.0%	10.6%	
1993	100.0%	12.3%	62.8%	37.6%	32.3%	57.5%	98.2%	100.0%	23.9%	-	64.3%	-	0.0%	85.3%	100.0%	68.0%	1.6%	0.0%	0.0%	34.1%	10.6%	16.1%	100.0%	3.0%	11.2%	
1994	100.0%	0.0%	67.2%	26.7%	34.4%	56.4%	98.1%	100.0%	23.0%	-	66.3%	-	0.0%	56.9%	100.0%	67.2%	1.5%	0.0%	0.0%	34.0%	10.7%	16.2%	100.0%	3.3%	11.5%	
1995	100.0%	0.0%	67.2%	12.0%	37.8%	55.0%	97.8%	100.0%	24.1%	-	68.2%	-	0.0%	0.0%	100.0%	66.3%	0.8%	0.0%	0.0%	36.3%	10.1%	16.5%	100.0%	3.6%	11.8%	
1996	100.0%	0.0%	66.4%	10.8%	40.4%	61.8%	97.8%	100.0%	24.1%	-	69.5%	-	0.0%	0.0%	100.0%	66.5%	0.9%	0.0%	0.0%	33.5%	10.5%	16.8%	100.0%	3.8%	12.0%	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1982	0.0%	4.0%	3.6%	2.2%	4.3%	2.0%	32.1%	14.2%	2.1%	0.0%	9.3%	0.0%	0.0%	2.8%	23.4%	1,804	58.6%	6.8%	0.0%	0.0%	6.0%	6.6%	7.8%	3.1%	11.2%	3,080
1987	0.0%	3.6%	11.4%	2.5%	4.7%	2.3%	28.8%	15.6%	1.8%	0.0%	10.8%	0.0%	0.0%	2.7%	15.7%	1,905	56.9%	5.6%	0.0%	0.0%	5.9%	7.2%	8.6%	2.6%	13.2%	3,347
1992	1.1%	0.7%	16.8%	1.9%	3.4%	2.0%	29.7%	13.9%	2.6%	0.0%	10.3%	0.0%	0.0%	1.3%	16.4%	2,252	63.9%	3.9%	0.0%	0.0%	5.8%	8.4%	7.4%	2.0%	8.5%	3,522
1993	1.1%	0.7%	16.9%	1.7%	2.3%	2.1%	29.3%	16.3%	2.8%	0.0%	9.6%	0.0%	0.0%	1.3%	16.0%	2,243	64.5%	4.0%	0.0%	0.0%	5.8%	7.5%	7.5%	2.0%	8.6%	3,475
1994	1.1%	0.0%	17.1%	1.1%	2.6%	2.0%	28.2%	17.2%	2.9%	0.0%	10.1%	0.0%	0.0%	1.3%	16.3%	2,148	64.7%	3.4%	0.0%	0.0%	5.4%	7.7%	7.8%	1.6%	9.4%	3,349
1995	1.2%	0.0%	17.9%	0.4%	3.3%	2.1%	25.7%	17.8%	3.0%	0.0%	11.6%	0.0%	0.0%	0.0%	17.0%	2,044	64.7%	1.6%	0.0%	0.0%	6.2%	7.3%	8.1%	1.7%	10.3%	3,192
1996	1.2%	0.0%	18.1%	0.4%	4.1%	2.2%	24.6%	17.4%	3.2%	0.0%	10.5%	0.0%	0.0%	0.0%	18.3%	1,951	64.1%	1.7%	0.0%	0.0%	5.7%	7.8%	8.5%	1.5%	10.7%	3,045

Source: IDS Almanac 1997

TABLE 5.7

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Maritime Patrol/Electronic**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1982	0.0%	0.0%	13.3%	0.0%	4.2%	0.0%	37.8%	28.0%	0.0%	0.0%	9.8%	0.7%	6.3%	0.0%	0.0%	143	9.5%	12.3%	51.0%	2.7%	4.5%	0.6%	0.1%	0.0%	19.3%	1,501	
1987	0.0%	0.0%	11.6%	0.0%	3.7%	0.0%	33.5%	23.8%	0.0%	0.0%	8.5%	11.0%	7.9%	0.0%	0.0%	164	11.6%	15.0%	49.0%	2.5%	4.2%	1.1%	0.4%	0.0%	16.2%	1,414	
1992	0.0%	0.0%	10.5%	0.0%	3.9%	0.0%	33.1%	22.1%	0.0%	0.0%	9.9%	9.9%	7.2%	3.3%	0.0%	181	12.5%	13.7%	49.2%	1.2%	4.3%	1.7%	0.6%	0.0%	16.8%	1,453	
1993	0.0%	0.0%	11.2%	0.0%	4.1%	0.0%	31.2%	21.2%	0.0%	0.0%	10.6%	10.6%	7.6%	3.5%	0.0%	170	11.9%	13.8%	47.7%	1.5%	4.4%	1.7%	0.6%	0.0%	18.5%	1,429	
1994	0.0%	0.0%	10.7%	0.0%	4.2%	0.0%	31.5%	20.8%	0.0%	0.0%	10.7%	10.7%	7.7%	3.6%	0.0%	168	12.4%	13.9%	45.7%	1.5%	5.0%	1.6%	0.7%	0.0%	19.1%	1,356	
1995	0.0%	0.0%	10.7%	0.0%	4.1%	0.0%	32.0%	20.7%	0.0%	0.0%	10.7%	10.7%	7.7%	3.6%	0.0%	169	13.2%	10.9%	46.1%	1.6%	5.7%	1.7%	0.7%	0.0%	20.1%	1,281	
1996	0.0%	0.0%	11.3%	0.0%	4.4%	0.0%	28.1%	20.0%	2.5%	0.0%	11.3%	10.6%	8.1%	3.8%	0.0%	160	13.3%	7.8%	48.1%	1.7%	4.8%	1.8%	0.7%	0.0%	21.6%	1,202	
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones											
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World		
1982	-	-	100.0%	-	0.0%	-	88.9%	100.0%	-	-	100.0%	0.0%	66.7%	-	-	88.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	2.8%	9.0%		
1987	-	-	100.0%	-	0.0%	-	100.0%	100.0%	-	-	100.0%	0.0%	0.0%	-	-	77.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	3.5%	9.5%		
1992	-	-	100.0%	-	0.0%	-	100.0%	82.5%	-	-	100.0%	0.0%	0.0%	0.0%	-	71.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	1.6%	9.2%		
1993	-	-	100.0%	-	0.0%	-	92.5%	80.6%	-	-	100.0%	0.0%	0.0%	0.0%	-	67.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	1.5%	8.3%		
1994	-	-	100.0%	-	0.0%	-	92.5%	80.0%	-	-	100.0%	0.0%	0.0%	0.0%	-	67.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	1.5%	8.6%		
1995	-	-	100.0%	-	0.0%	-	92.6%	80.0%	-	-	100.0%	0.0%	0.0%	0.0%	-	67.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	1.6%	9.2%		
1996	-	-	100.0%	-	0.0%	-	91.1%	78.1%	0.0%	-	100.0%	0.0%	0.0%	0.0%	-	63.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	1.5%	8.8%		
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones											
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World		
1982	0.0%	0.0%	15.0%	0.0%	0.0%	0.0%	37.8%	31.5%	0.0%	0.0%	11.0%	0.0%	4.7%	0.0%	0.0%	127	94.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	135	
1987	0.0%	0.0%	15.0%	0.0%	0.0%	0.0%	43.3%	30.7%	0.0%	0.0%	11.0%	0.0%	0.0%	0.0%	0.0%	127	94.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	135	
1992	0.0%	0.0%	14.6%	0.0%	0.0%	0.0%	46.2%	25.4%	0.0%	0.0%	13.8%	0.0%	0.0%	0.0%	0.0%	130	97.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	134	
1993	0.0%	0.0%	16.5%	0.0%	0.0%	0.0%	42.6%	25.2%	0.0%	0.0%	15.7%	0.0%	0.0%	0.0%	0.0%	115	96.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	119	
1994	0.0%	0.0%	15.9%	0.0%	0.0%	0.0%	43.4%	24.8%	0.0%	0.0%	15.9%	0.0%	0.0%	0.0%	0.0%	113	96.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	117	
1995	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	43.9%	24.6%	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	114	96.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	118	
1996	0.0%	0.0%	17.6%	0.0%	0.0%	0.0%	40.2%	24.5%	0.0%	0.0%	17.6%	0.0%	0.0%	0.0%	0.0%	102	96.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	104	

Source: IDDS Almanac 1997

TABLE 5.8

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Light Attack/Armed Trainer**  
 (Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1982	2.3%	6.0%	12.5%	0.0%	4.9%	5.3%	23.1%	19.6%	0.0%	1.0%	8.5%	0.0%	0.0%	2.3%	14.7%	1,418	27.4%	19.4%	10.6%	2.3%	9.2%	4.6%	13.5%	3.2%	9.8%	5,176
1987	2.2%	5.4%	16.6%	0.0%	5.8%	3.7%	23.0%	17.9%	0.0%	1.0%	9.4%	0.0%	0.0%	3.8%	11.1%	1,472	23.9%	30.8%	5.9%	1.8%	8.0%	5.3%	13.7%	2.3%	8.2%	6,166
1992	2.4%	6.2%	13.2%	0.0%	6.6%	4.6%	22.9%	17.3%	0.0%	1.1%	14.5%	0.0%	0.0%	1.8%	9.4%	1,238	19.3%	35.7%	1.9%	1.7%	8.5%	5.6%	13.0%	3.0%	11.3%	6,408
1993	2.6%	6.6%	14.1%	0.0%	7.0%	4.7%	21.8%	12.4%	0.0%	1.2%	15.3%	0.0%	0.0%	4.5%	9.8%	1,158	18.4%	35.2%	1.5%	1.7%	8.8%	5.6%	13.9%	3.0%	11.9%	6,303
1994	3.2%	8.3%	3.6%	0.0%	8.6%	5.8%	23.6%	15.4%	0.0%	1.5%	12.5%	0.0%	0.0%	5.5%	12.0%	938	16.5%	35.6%	0.9%	1.9%	9.1%	6.4%	14.0%	3.3%	12.1%	5,668
1995	3.4%	9.2%	4.0%	0.0%	9.5%	6.3%	22.4%	13.9%	0.0%	1.6%	13.7%	0.0%	0.0%	6.1%	9.8%	851	15.5%	36.4%	0.7%	2.0%	9.2%	6.6%	14.2%	3.4%	12.0%	5,481
1996	3.9%	10.4%	4.5%	0.0%	10.4%	7.2%	16.2%	15.5%	0.0%	1.7%	14.2%	0.0%	0.0%	5.2%	10.8%	749	14.8%	35.2%	0.0%	2.1%	9.3%	6.9%	15.2%	3.7%	12.8%	5,069
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1982	100.0%	100.0%	70.6%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	0.0%	100.0%	94.1%	16.8%	0.0%	0.0%	53.8%	72.4%	62.7%	100.0%	46.0%	53.5%	
1987	100.0%	100.0%	78.8%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	0.0%	100.0%	92.7%	5.1%	0.0%	0.0%	50.3%	60.0%	62.4%	100.0%	49.1%	45.8%	
1992	100.0%	100.0%	100.0%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	45.5%	99.1%	98.9%	1.5%	0.0%	0.0%	38.5%	66.7%	51.5%	100.0%	32.5%	40.0%	
1993	100.0%	100.0%	100.0%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	76.9%	99.1%	98.9%	1.8%	0.0%	0.0%	36.6%	66.2%	48.5%	100.0%	33.4%	39.5%	
1994	100.0%	100.0%	100.0%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	76.9%	99.1%	98.6%	2.9%	0.0%	0.0%	37.9%	69.8%	44.7%	100.0%	32.6%	38.8%	
1995	100.0%	100.0%	100.0%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	76.9%	98.8%	98.5%	2.9%	0.0%	0.0%	38.5%	69.8%	42.7%	100.0%	33.5%	38.1%	
1996	100.0%	100.0%	100.0%	-	100.0%	100.0%	100.0%	100.0%	-	100.0%	100.0%	-	-	71.8%	100.0%	98.5%	3.2%	0.0%	0.0%	40.3%	68.4%	41.1%	100.0%	34.3%	38.5%	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1982	2.4%	6.4%	9.4%	0.0%	5.2%	5.6%	24.5%	20.8%	0.0%	1.0%	9.0%	0.0%	0.0%	0.0%	15.7%	1,334	48.2%	0.0%	0.0%	9.3%	6.2%	15.8%	6.0%	8.4%	2,770	
1987	2.3%	5.8%	14.1%	0.0%	6.2%	4.0%	24.9%	19.4%	0.0%	1.1%	10.1%	0.0%	0.0%	0.0%	12.0%	1,364	48.3%	3.4%	0.0%	0.0%	8.8%	6.9%	18.7%	5.1%	8.8%	2,825
1992	2.4%	6.3%	13.3%	0.0%	6.7%	4.7%	23.1%	17.5%	0.0%	1.1%	14.7%	0.0%	0.0%	0.8%	9.4%	1,225	47.8%	1.3%	0.0%	0.0%	8.2%	9.4%	16.7%	7.4%	9.2%	2,542
1993	2.6%	6.7%	14.2%	0.0%	7.1%	4.7%	22.1%	12.6%	0.0%	1.2%	15.5%	0.0%	0.0%	3.5%	9.8%	1,145	46.0%	1.6%	0.0%	0.0%	8.2%	9.4%	17.0%	7.6%	10.1%	2,487
1994	3.2%	8.4%	3.7%	0.0%	8.8%	5.8%	23.9%	15.6%	0.0%	1.5%	12.6%	0.0%	0.0%	4.3%	12.1%	925	42.0%	2.6%	0.0%	0.0%	8.9%	11.5%	16.1%	8.6%	10.2%	2,200
1995	3.5%	9.3%	4.1%	0.0%	9.7%	6.4%	22.8%	14.1%	0.0%	1.7%	14.0%	0.0%	0.0%	4.8%	9.8%	838	40.2%	2.8%	0.0%	0.0%	9.3%	12.2%	15.9%	9.1%	10.5%	2,086
1996	3.9%	10.6%	4.6%	0.0%	10.6%	7.3%	16.4%	15.7%	0.0%	1.8%	14.4%	0.0%	0.0%	3.8%	11.0%	738	37.8%	3.0%	0.0%	0.0%	9.7%	12.2%	16.2%	9.7%	11.4%	1,951

Source: DDS Almanac 1997

TABLE 5.9

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Basic Trainer**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia		
1982	1.9 %	0.0 %	11.4 %	3.2 %	12.2 %	3.2 %	7.9 %	21.4 %	13.2 %	0.0 %	0.0 %	0.0 %	0.0 %	8.7 %	17.0 %	969	12.4 %	15.0 %	32.6 %	0.6 %	11.4 %	3.6 %	5.1 %	1.7 %	17.6 %	7,789	
1987	3.5 %	0.0 %	12.4 %	3.8 %	2.5 %	4.0 %	15.7 %	24.1 %	14.5 %	0.0 %	0.0 %	0.0 %	0.0 %	9.0 %	10.4 %	967	10.9 %	10.0 %	25.3 %	0.5 %	11.2 %	4.4 %	3.9 %	1.5 %	32.5 %	8,912	
1992	1.5 %	0.0 %	7.0 %	3.4 %	3.6 %	3.4 %	20.6 %	32.0 %	13.2 %	0.0 %	0.0 %	0.0 %	0.9 %	4.8 %	9.4 %	1,080	11.1 %	11.2 %	19.1 %	0.5 %	10.8 %	4.5 %	3.5 %	1.3 %	38.0 %	9,759	
1993	1.5 %	0.0 %	7.1 %	3.4 %	3.6 %	3.4 %	20.5 %	35.7 %	12.4 %	0.0 %	0.0 %	0.0 %	0.9 %	4.8 %	6.6 %	1,073	11.3 %	11.5 %	16.9 %	0.5 %	11.5 %	4.2 %	3.5 %	1.4 %	39.2 %	9,489	
1994	1.6 %	0.0 %	7.4 %	3.6 %	3.8 %	3.6 %	21.5 %	32.9 %	12.9 %	0.0 %	0.0 %	0.0 %	1.0 %	5.0 %	6.9 %	1,030	11.4 %	9.4 %	18.0 %	0.6 %	10.7 %	4.2 %	3.6 %	1.4 %	40.7 %	9,073	
1995	1.7 %	0.0 %	8.1 %	3.0 %	4.1 %	3.9 %	19.2 %	31.8 %	14.1 %	0.0 %	0.0 %	0.0 %	1.1 %	5.4 %	7.5 %	942	10.7 %	8.9 %	18.6 %	0.6 %	10.8 %	4.5 %	3.7 %	0.6 %	41.7 %	8,808	
1996	2.0 %	0.0 %	9.5 %	3.5 %	4.6 %	4.5 %	19.8 %	29.9 %	14.2 %	0.0 %	0.0 %	0.0 %	1.2 %	2.0 %	8.8 %	803	9.3 %	9.0 %	18.9 %	0.5 %	10.8 %	4.8 %	3.6 %	0.7 %	42.4 %	8,635	
	Design Origin EU - Market Shares in Member States																Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1982	100.0 %	-	30.9 %	100.0 %	0.0 %	71.0 %	100.0 %	65.2 %	0.0 %	-	-	-	-	0.0 %	100.0 %	49.7 %	1.4 %	0.0 %	0.0 %	0.0 %	49.3 %	24.9 %	0.0 %	0.0 %	13.0 %	11.7 %	
1987	52.9 %	-	28.3 %	100.0 %	0.0 %	76.9 %	100.0 %	66.1 %	0.0 %	-	-	-	-	0.0 %	100.0 %	54.4 %	2.0 %	0.0 %	0.0 %	2.0 %	26.0 %	31.7 %	0.0 %	0.0 %	6.1 %	10.7 %	
1992	0.0 %	-	0.0 %	100.0 %	100.0 %	75.7 %	100.0 %	41.9 %	0.0 %	-	-	-	0.0 %	32.7 %	100.0 %	54.6 %	1.6 %	0.4 %	0.0 %	1.9 %	17.8 %	18.7 %	0.0 %	0.0 %	5.7 %	10.1 %	
1993	0.0 %	-	0.0 %	100.0 %	100.0 %	75.7 %	100.0 %	37.9 %	0.0 %	-	-	-	0.0 %	31.4 %	100.0 %	51.8 %	1.7 %	1.8 %	0.0 %	1.8 %	17.5 %	19.1 %	0.0 %	0.0 %	7.1 %	10.7 %	
1994	0.0 %	-	0.0 %	100.0 %	100.0 %	75.7 %	99.1 %	42.2 %	0.0 %	-	-	-	0.0 %	31.4 %	100.0 %	53.7 %	2.1 %	5.1 %	0.0 %	2.1 %	13.7 %	19.1 %	0.0 %	0.0 %	7.1 %	11.6 %	
1995	0.0 %	-	0.0 %	100.0 %	100.0 %	75.7 %	91.2 %	47.0 %	0.0 %	-	-	-	0.0 %	31.4 %	100.0 %	51.8 %	2.2 %	9.2 %	0.0 %	2.7 %	14.8 %	19.3 %	0.0 %	0.0 %	7.1 %	12.1 %	
1996	0.0 %	-	0.0 %	100.0 %	100.0 %	77.8 %	73.6 %	57.1 %	0.0 %	-	-	-	0.0 %	100.0 %	100.0 %	54.0 %	2.2 %	10.9 %	0.0 %	2.8 %	13.9 %	16.3 %	0.0 %	0.0 %	7.2 %	11.9 %	
	Design Origin EU - Distribution among Member States																Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	Units World	
1982	3.7 %	0.0 %	7.1 %	6.4 %	0.0 %	4.6 %	16.0 %	28.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	34.2 %	482	52.7 %	1.7 %	0.0 %	0.0 %	0.0 %	15.2 %	10.9 %	0.0 %	19.5 %	915	
1987	3.4 %	0.0 %	6.5 %	7.0 %	0.0 %	5.7 %	28.9 %	29.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	19.2 %	526	55.3 %	1.9 %	0.0 %	0.0 %	2.1 %	10.6 %	11.6 %	0.0 %	18.6 %	952	
1992	0.0 %	0.0 %	0.0 %	6.3 %	6.6 %	4.7 %	37.8 %	24.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.9 %	17.1 %	590	59.7 %	1.8 %	0.8 %	0.0 %	2.0 %	7.9 %	6.5 %	0.0 %	21.3 %	988	
1993	0.0 %	0.0 %	0.0 %	6.7 %	7.0 %	5.0 %	39.6 %	26.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.9 %	12.8 %	556	54.6 %	1.8 %	2.8 %	0.0 %	2.0 %	6.9 %	6.2 %	0.0 %	25.7 %	1,018	
1994	0.0 %	0.0 %	0.0 %	6.7 %	7.1 %	5.1 %	39.6 %	25.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.9 %	12.8 %	553	52.6 %	1.7 %	8.0 %	0.0 %	1.9 %	4.9 %	6.0 %	0.0 %	24.9 %	1,052	
1995	0.0 %	0.0 %	0.0 %	5.7 %	8.0 %	5.7 %	33.8 %	28.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3.3 %	14.5 %	488	45.9 %	1.6 %	14.1 %	0.0 %	2.4 %	5.5 %	5.9 %	0.0 %	24.6 %	1,043	
1996	0.0 %	0.0 %	0.0 %	6.5 %	8.5 %	6.5 %	27.0 %	31.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	3.7 %	16.4 %	434	42.2 %	1.7 %	17.3 %	0.0 %	2.5 %	5.5 %	5.0 %	0.0 %	25.8 %	1,028	

Source: IDDS Almanac 1997

TABLE 5.10

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Transport/Tanker**  
 (Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	
1982	0.0%	2.9%	33.8%	0.9%	8.1%	1.1%	17.7%	18.0%	10.6%	0.0%	1.8%	0.0%	2.1%	0.8%	2.1%	654	8.8%	31.0%	28.8%	0.9%	5.6%	4.8%	6.6%	0.3%	13.1%	7,430
1987	0.0%	3.1%	23.5%	1.0%	11.6%	0.3%	16.6%	23.7%	12.6%	0.0%	2.6%	0.3%	2.3%	0.8%	1.6%	613	8.6%	26.6%	30.7%	1.0%	5.9%	5.0%	6.8%	0.7%	14.7%	7,141
1992	0.0%	3.2%	20.5%	1.0%	10.1%	0.5%	21.7%	23.9%	8.2%	0.5%	3.6%	0.3%	2.4%	2.1%	1.9%	585	8.4%	27.9%	29.5%	1.1%	5.8%	4.7%	5.7%	1.0%	15.9%	6,957
1993	0.0%	3.4%	20.1%	1.1%	11.6%	0.5%	23.5%	21.0%	7.7%	0.5%	3.9%	0.4%	2.5%	1.8%	2.0%	558	8.2%	28.3%	29.1%	1.2%	5.9%	4.8%	5.8%	0.8%	15.9%	6,790
1994	0.0%	3.3%	18.8%	1.0%	11.6%	0.5%	22.9%	24.3%	6.7%	0.5%	3.8%	0.3%	2.6%	1.7%	1.9%	580	8.8%	26.9%	30.0%	1.3%	5.9%	4.7%	5.6%	0.8%	16.1%	6,577
1995	0.0%	3.3%	18.7%	1.0%	11.6%	0.5%	22.6%	24.5%	6.6%	0.7%	3.8%	0.3%	2.8%	1.7%	1.9%	579	8.9%	27.0%	30.3%	1.3%	5.8%	4.5%	5.4%	0.8%	16.0%	6,493
1996	0.0%	3.4%	18.4%	0.9%	10.9%	0.5%	21.6%	24.5%	7.0%	0.5%	5.2%	0.4%	2.5%	1.8%	2.5%	560	9.4%	22.6%	32.9%	1.3%	6.3%	5.1%	5.6%	0.7%	16.1%	5,971
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1982	-	26.3%	45.2%	0.0%	24.5%	28.6%	85.3%	52.5%	30.4%	-	0.0%	-	100.0%	0.0%	14.3%	48.6%	1.5%	0.0%	10.9%	14.7%	11.1%	19.5%	0.0%	12.8%	9.2%	
1987	-	26.3%	70.1%	0.0%	19.7%	100.0%	82.4%	51.0%	26.0%	-	12.5%	0.0%	100.0%	0.0%	20.0%	51.9%	1.5%	0.0%	9.5%	16.5%	12.7%	15.0%	19.6%	15.5%	10.0%	
1992	-	26.3%	79.2%	0.0%	39.0%	100.0%	78.7%	55.7%	0.0%	66.7%	19.0%	0.0%	100.0%	50.0%	27.3%	56.9%	1.7%	0.0%	0.0%	19.7%	12.8%	16.1%	21.4%	18.4%	11.0%	
1993	-	26.3%	87.5%	0.0%	44.6%	100.0%	79.4%	65.8%	0.0%	66.7%	18.2%	0.0%	100.0%	40.0%	27.3%	61.5%	1.7%	0.0%	0.0%	18.4%	13.1%	14.7%	8.9%	18.8%	11.2%	
1994	-	26.3%	87.2%	0.0%	46.3%	100.0%	79.7%	50.4%	0.0%	66.7%	18.2%	0.0%	93.3%	40.0%	27.3%	58.3%	2.1%	0.0%	5.9%	18.9%	14.0%	16.1%	9.1%	20.5%	11.8%	
1995	-	26.3%	88.0%	0.0%	46.3%	100.0%	79.4%	50.7%	0.0%	75.0%	18.2%	0.0%	87.5%	40.0%	27.3%	58.4%	2.8%	0.0%	5.7%	19.3%	13.9%	16.9%	9.1%	20.4%	12.0%	
1996	-	31.6%	87.4%	0.0%	50.8%	100.0%	78.5%	52.6%	0.0%	66.7%	34.5%	0.0%	64.3%	40.0%	21.4%	58.0%	4.1%	0.0%	6.5%	19.1%	15.0%	17.7%	22.0%	22.3%	13.2%	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	Units World	
1982	0.0%	1.6%	31.4%	0.0%	4.1%	0.6%	31.1%	19.5%	6.6%	0.0%	0.0%	0.0%	4.4%	0.0%	0.6%	318	46.6%	5.1%	0.1%	1.0%	8.9%	5.9%	14.1%	0.0%	18.3%	683
1987	0.0%	1.6%	31.8%	0.0%	4.4%	0.6%	26.4%	23.3%	6.3%	0.0%	0.6%	0.0%	4.4%	0.0%	0.6%	318	44.5%	3.9%	0.1%	1.0%	9.8%	6.3%	10.2%	1.4%	22.7%	714
1992	0.0%	1.5%	28.5%	0.0%	6.9%	0.9%	30.0%	23.4%	0.0%	0.6%	1.2%	0.0%	4.2%	1.8%	0.9%	333	43.4%	4.2%	0.0%	0.0%	10.3%	5.5%	8.3%	2.0%	26.4%	768
1993	0.0%	1.5%	28.6%	0.0%	8.5%	0.9%	30.3%	22.4%	0.0%	0.6%	1.2%	0.0%	4.1%	1.2%	0.9%	343	45.3%	4.2%	0.0%	0.0%	9.8%	5.7%	7.7%	0.7%	26.8%	758
1994	0.0%	1.5%	28.1%	0.0%	9.2%	0.9%	31.4%	21.0%	0.0%	0.6%	1.2%	0.0%	4.1%	1.2%	0.9%	338	43.5%	4.8%	0.0%	0.6%	9.4%	5.5%	7.6%	0.6%	27.9%	777
1995	0.0%	1.5%	28.1%	0.0%	9.2%	0.9%	30.8%	21.3%	0.0%	0.9%	1.2%	0.0%	4.1%	1.2%	0.9%	338	43.3%	6.3%	0.0%	0.6%	9.2%	5.2%	7.6%	0.6%	27.1%	781
1996	0.0%	1.8%	27.7%	0.0%	9.5%	0.9%	29.2%	22.2%	0.0%	0.6%	3.1%	0.0%	2.8%	1.2%	0.9%	325	41.3%	7.0%	0.0%	0.6%	9.2%	5.9%	7.5%	1.1%	27.4%	786

Source: IIDS Almanac 1997

TABLE 5.11

**WORLD MILITARY FIXED-WING AIRCRAFT FLEET**  
**Category: Light Transport/VIP/Liaison**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1982	3.7 %	1.7 %	14.8 %	0.0 %	15.5 %	0.2 %	28.8 %	1.9 %	5.4 %	1.2 %	24.4 %	0.0 %	0.0 %	2.2 %	0.0 %	979	20.9 %	7.1 %	10.5 %	0.2 %	20.8 %	6.7 %	8.9 %	1.7 %	23.3 %	4,679
1987	3.0 %	1.8 %	11.6 %	0.0 %	19.4 %	0.9 %	27.2 %	3.2 %	5.7 %	1.9 %	22.6 %	0.0 %	0.0 %	2.3 %	0.5 %	966	17.7 %	8.5 %	13.8 %	0.1 %	19.9 %	5.3 %	8.8 %	2.1 %	23.8 %	5,471
1992	3.7 %	1.9 %	8.1 %	0.0 %	20.4 %	2.4 %	25.0 %	0.6 %	9.1 %	1.3 %	22.4 %	0.0 %	0.0 %	3.4 %	1.5 %	776	13.6 %	13.9 %	12.3 %	0.1 %	20.4 %	6.0 %	7.0 %	1.3 %	25.4 %	5,724
1993	4.2 %	2.2 %	5.2 %	0.0 %	16.2 %	2.7 %	27.7 %	0.7 %	10.1 %	1.4 %	24.9 %	0.0 %	0.0 %	3.3 %	1.4 %	494	12.5 %	14.8 %	12.5 %	0.1 %	20.8 %	6.2 %	6.9 %	0.7 %	25.6 %	5,574
1994	4.6 %	2.4 %	1.1 %	0.0 %	17.9 %	3.0 %	29.3 %	1.3 %	11.1 %	1.6 %	22.8 %	0.0 %	0.0 %	3.3 %	1.6 %	431	12.0 %	13.6 %	13.1 %	0.1 %	21.7 %	5.0 %	6.6 %	0.6 %	27.1 %	5,241
1995	4.7 %	2.5 %	1.0 %	0.0 %	18.5 %	3.1 %	27.8 %	1.3 %	10.6 %	1.5 %	23.9 %	0.0 %	0.0 %	3.6 %	1.6 %	612	12.3 %	10.9 %	13.2 %	0.1 %	22.9 %	4.8 %	6.8 %	0.7 %	28.3 %	4,973
1996	5.2 %	0.9 %	1.1 %	0.0 %	20.7 %	3.5 %	29.8 %	1.7 %	10.4 %	1.5 %	20.1 %	0.0 %	0.0 %	4.1 %	0.9 %	537	11.8 %	7.9 %	12.5 %	0.2 %	23.9 %	5.1 %	7.3 %	1.0 %	30.3 %	4,552
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1982	5.6 %	70.6 %	81.4 %	-	65.1 %	0.0 %	74.8 %	100.0 %	0.0 %	8.3 %	86.2 %	-	-	100.0 %	-	70.5 %	8.8 %	0.0 %	0.0 %	12.1 %	22.4 %	57.6 %	74.4 %	5.9 %	27.1 %	
1987	6.9 %	70.6 %	70.5 %	-	74.9 %	0.0 %	65.8 %	61.3 %	0.0 %	5.6 %	84.9 %	-	-	100.0 %	20.0 %	65.6 %	6.5 %	2.9 %	0.0 %	10.5 %	33.2 %	57.6 %	60.5 %	6.8 %	24.3 %	
1992	6.9 %	66.7 %	93.7 %	-	77.2 %	52.6 %	65.5 %	100.0 %	19.7 %	0.0 %	93.1 %	-	-	100.0 %	50.0 %	70.0 %	3.8 %	4.0 %	0.0 %	9.9 %	25.7 %	56.0 %	58.9 %	7.7 %	20.7 %	
1993	6.9 %	66.7 %	88.9 %	-	67.3 %	52.6 %	64.8 %	100.0 %	20.0 %	0.0 %	93.1 %	-	-	100.0 %	40.0 %	66.4 %	4.9 %	4.2 %	0.0 %	9.9 %	25.7 %	58.6 %	25.6 %	9.9 %	19.9 %	
1994	6.9 %	66.7 %	42.9 %	-	67.3 %	52.6 %	64.3 %	100.0 %	20.0 %	0.0 %	100.0 %	-	-	100.0 %	40.0 %	65.1 %	1.7 %	5.4 %	0.0 %	10.3 %	19.5 %	55.2 %	15.6 %	10.1 %	18.5 %	
1995	6.9 %	66.7 %	33.3 %	-	67.3 %	52.6 %	64.7 %	100.0 %	21.5 %	0.0 %	100.0 %	-	-	100.0 %	40.0 %	66.0 %	1.1 %	5.5 %	0.0 %	10.3 %	20.9 %	55.5 %	15.2 %	11.5 %	19.5 %	
1996	7.1 %	0.0 %	33.3 %	-	68.5 %	52.6 %	66.9 %	100.0 %	21.4 %	0.0 %	100.0 %	-	-	100.0 %	20.0 %	65.0 %	1.9 %	6.3 %	0.0 %	13.3 %	17.7 %	53.8 %	8.9 %	11.4 %	20.2 %	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1982	0.3 %	1.7 %	17.1 %	0.0 %	14.3 %	0.0 %	30.6 %	2.8 %	0.0 %	0.1 %	29.9 %	0.0 %	0.0 %	3.2 %	0.0 %	690	54.4 %	2.3 %	0.0 %	0.0 %	9.3 %	5.5 %	18.8 %	4.6 %	5.0 %	1,268
1987	0.3 %	1.9 %	12.5 %	0.0 %	22.1 %	0.0 %	27.3 %	3.0 %	0.0 %	0.2 %	29.2 %	0.0 %	0.0 %	3.5 %	0.2 %	634	47.6 %	2.3 %	1.7 %	0.0 %	8.6 %	7.3 %	20.9 %	5.2 %	6.6 %	1,332
1992	0.4 %	1.8 %	10.9 %	0.0 %	22.5 %	1.8 %	23.4 %	0.9 %	2.6 %	0.0 %	29.8 %	0.0 %	0.0 %	4.8 %	1.1 %	543	45.9 %	2.5 %	2.4 %	0.0 %	9.8 %	7.4 %	18.9 %	3.6 %	9.5 %	1,184
1993	0.4 %	2.2 %	6.9 %	0.0 %	16.5 %	2.2 %	27.1 %	1.1 %	3.0 %	0.0 %	34.8 %	0.0 %	0.0 %	5.0 %	0.9 %	442	41.6 %	3.6 %	2.6 %	0.0 %	10.4 %	7.9 %	20.2 %	0.9 %	12.8 %	1,110
1994	0.5 %	2.4 %	0.7 %	0.0 %	18.5 %	2.4 %	29.0 %	1.9 %	3.4 %	0.0 %	35.0 %	0.0 %	0.0 %	5.1 %	1.0 %	411	42.4 %	1.2 %	3.8 %	0.0 %	12.1 %	5.3 %	19.8 %	0.5 %	14.9 %	969
1995	0.5 %	2.5 %	0.5 %	0.0 %	18.8 %	2.5 %	27.2 %	2.0 %	3.5 %	0.0 %	36.1 %	0.0 %	0.0 %	5.4 %	1.0 %	404	41.7 %	0.6 %	3.7 %	0.0 %	12.1 %	5.2 %	19.4 %	0.5 %	16.7 %	968
1996	0.6 %	0.0 %	0.6 %	0.0 %	21.8 %	2.9 %	30.7 %	2.6 %	3.4 %	0.0 %	30.9 %	0.0 %	0.0 %	6.3 %	0.3 %	349	38.0 %	0.8 %	3.9 %	0.0 %	15.8 %	4.5 %	19.4 %	0.4 %	17.2 %	918

Source: IDDS Almanac 1997



## *Chapter 6*

# **Military Helicopters**

Data relating to **military helicopters** are provided by EUROCOPTER INTERNATIONAL. They cover the number of military helicopters in service in the world (CIS not included).

The criteria used to define a *military aircraft* is that it is known to be included in military inventories. It is therefore possible that Government operated (commercial) aircraft flown and maintained by the forces are counted twice as they may be included in the *civil and state helicopter fleets* presented in Chapter 4.

Military helicopters are broken down according to design origin: EU, USA, Other.

A distinction is made between 'design origin EU' and 'EU-built', the latter including aircraft whose conceptual origin is outside the EU, but which are built under licence agreements in the EU.

Military helicopters are divided into 6 categories:

- *Piston engine*  
Example in this category: Bell OH13
- *Light single turbine engine ( $\leq 2.7$  Tonnes; 1 - 8 seats)*  
Examples in this category: AS-550 Fennex; Bell OH58
- *Light twin turbine engine ( $\leq 2.7$  Tonnes; 1 - 8 seats)*  
Agusta 109; MD900 Explorer
- *Medium turbine engine (2.7 - 6 Tonnes; 9 - 15 seats)*  
WG13 Lynx; Bell UH1N
- *Heavy turbine engine (6 - 11 Tonnes; 16 - 32 seats)*  
AS-532 Cougar; UH60 Blackhawk
- *Very heavy turbine engine ( $> 11$  Tonnes;  $> 32$  seats)*  
EH-101; Boeing CH47
- *Dedicated attack helicopters*  
Agusta A129 Mangusta; MDHS AH64 Apache

The helicopters BK-117, Bell-222 and 230 are now classified as 'Light Twin Turbine Engine', whereas in the previous edition they were included in the 'Medium' category. The tables relating to these two categories consequently show respective changes.

Military helicopters are broken down by the following geographical areas where they are operated:

- **EU:** Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom
- **Other Europe** (Albania, Bulgaria, Cyprus, Czech Republic, Greenland, Hungary, Iceland, Liechtenstein, Malta, Monaco, Norway, Poland, Romania, Switzerland, Turkey, ex-Yugoslavia)
- **USA**
- **Canada**
- **Latin America** (Argentina, Bahamas, Belize, Bermuda, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay, Venezuela)
- **Middle East** (Bahrain, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Yemen)
- **Africa** (Algeria, Angola, Benin, Bophuthatswana, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Ciskei, Comores, Congo, Djibouti, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bissau, Guinea Republic, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, Sudan, Swaziland, Tanzania, Tchad, Togo, Transkei, Tunisia, Uganda, Zaire, Zambia, Zimbabwe)
- **Republic of South Africa**
- **Asia and Australasia** (Afghanistan, Australia, Bangladesh, Brunei, Cambodia, China, Fiji, Hong Kong, India, Indonesia, Japan, Korea Dem., Korea Rep., Laos, Malaysia, Maldives, Mongolia, Myanmar, Nepal, New Zealand, Pakistan, Papua New Guinea, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam).

TABLE 6.1 (a)

**WORLD MILITARY HELICOPTER FLEET**  
(Units at Year-end)

	Europe										North America				Rest of World					
	EU					Other Europe					USA			Canada	Design Origin US					
	Design Origin US					Design Origin US					Design Origin US			Design Origin US	Design Origin US					
	Design Origin EU	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built under US licence	Design Origin Other	Units	US built	licence	Units	Design Origin US	Units	Design Origin EU	US built	licence	Design Origin Other	Units		
1960	-	-	-	-	-	-	-	-	-	-	100.0 %	0.0 %	4,423	100.0 %	43	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	100.0 %	0.0 %	6,185	100.0 %	90	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	100.0 %	0.0 %	15,874	100.0 %	87	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	100.0 %	0.0 %	15,338	100.0 %	183	-	-	-	-	-
1980	54.1 %	18.5 %	27.3 %	0.2 %	3,702	23.7 %	7.0 %	8.5 %	60.8 %	1,593	100.0 %	0.0 %	8,861	100.0 %	174	24.9 %	42.7 %	9.7 %	22.7 %	6,612
1981	55.0 %	18.4 %	26.4 %	0.2 %	3,779	27.2 %	6.7 %	7.7 %	58.3 %	1,659	100.0 %	0.0 %	8,421	100.0 %	188	25.0 %	43.0 %	10.0 %	22.0 %	6,761
1982	55.9 %	18.2 %	25.7 %	0.2 %	3,865	27.2 %	7.6 %	7.8 %	57.4 %	1,651	100.0 %	0.0 %	7,934	100.0 %	187	25.1 %	42.9 %	9.7 %	22.3 %	6,961
1983	58.2 %	17.2 %	24.4 %	0.1 %	4,010	26.2 %	10.6 %	7.5 %	55.7 %	1,711	100.0 %	0.0 %	7,958	100.0 %	187	25.6 %	43.1 %	9.2 %	22.0 %	7,066
1984	59.4 %	17.0 %	23.4 %	0.1 %	4,030	26.1 %	11.3 %	7.8 %	54.8 %	1,720	100.0 %	0.0 %	7,988	100.0 %	187	25.9 %	41.6 %	8.8 %	23.7 %	7,518
1985	59.2 %	16.8 %	23.8 %	0.1 %	4,037	25.7 %	11.9 %	7.7 %	54.7 %	1,722	100.0 %	0.0 %	7,875	100.0 %	185	25.8 %	42.3 %	7.9 %	24.0 %	7,663
1986	58.9 %	16.8 %	24.2 %	0.1 %	4,080	26.1 %	11.8 %	7.4 %	54.6 %	1,695	99.9 %	0.1 %	7,797	100.0 %	185	25.9 %	42.2 %	7.3 %	24.6 %	8,003
1987	58.9 %	16.8 %	24.2 %	0.2 %	4,081	26.8 %	11.7 %	7.3 %	54.3 %	1,725	99.9 %	0.1 %	8,102	100.0 %	183	25.6 %	42.9 %	6.9 %	24.6 %	8,205
1988	59.0 %	16.6 %	24.2 %	0.2 %	4,151	26.6 %	12.1 %	7.2 %	54.1 %	1,742	99.9 %	0.1 %	8,071	100.0 %	183	25.4 %	43.5 %	6.7 %	24.4 %	8,369
1989	59.1 %	16.5 %	24.2 %	0.2 %	4,169	25.6 %	12.2 %	6.9 %	55.3 %	1,815	99.9 %	0.1 %	8,332	100.0 %	183	25.0 %	44.4 %	6.5 %	24.1 %	8,554
1990	58.9 %	16.3 %	23.4 %	1.3 %	4,224	27.6 %	13.8 %	7.6 %	51.0 %	1,668	99.9 %	0.1 %	8,331	100.0 %	183	24.3 %	45.7 %	6.5 %	23.5 %	8,835
1991	58.9 %	16.2 %	23.6 %	1.3 %	4,277	27.3 %	14.2 %	7.5 %	51.0 %	1,685	99.9 %	0.1 %	7,946	100.0 %	176	24.2 %	46.4 %	6.3 %	23.1 %	9,009
1992	59.9 %	15.6 %	23.2 %	1.4 %	4,220	27.5 %	14.8 %	7.4 %	50.2 %	1,706	99.9 %	0.1 %	7,598	100.0 %	175	24.2 %	46.9 %	6.1 %	22.8 %	9,017
1993	60.0 %	15.9 %	22.8 %	1.3 %	4,252	26.1 %	17.3 %	7.3 %	49.3 %	1,737	99.8 %	0.2 %	7,249	100.0 %	175	24.3 %	47.2 %	6.0 %	22.4 %	9,094
1994	60.1 %	15.9 %	22.7 %	1.3 %	4,279	25.4 %	17.2 %	7.4 %	50.0 %	1,713	99.8 %	0.2 %	7,007	100.0 %	176	24.1 %	47.8 %	6.0 %	22.2 %	9,223
1995	59.7 %	16.3 %	22.7 %	1.3 %	4,279	25.7 %	17.3 %	7.4 %	49.7 %	1,722	99.8 %	0.2 %	7,040	100.0 %	208	23.8 %	47.3 %	5.9 %	23.1 %	9,404

Source: EUROCOPTER

TABLE 6.1 (b)

## EU MILITARY HELICOPTER FLEET

(Units at Year-end)

	AT					BE					DE					DK					ES				
	<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>				
	Design Origin EU	EU built under US licence	Design Origin US	Design Origin Other	Units	Design Origin EU	EU built under US licence	Design Origin US	Design Origin Other	Units	Design Origin EU	EU built under US licence	Design Origin US	Design Origin Other	Units	Design Origin EU	EU built under US licence	Design Origin US	Design Origin Other	Units	Design Origin EU	EU built under US licence	Design Origin US	Design Origin Other	Units
1960	-	-	-	-	-	-	-	-	-	10	-	-	-	-	243	-	-	-	-	14	-	-	-	-	27
1965	-	-	-	-	-	-	-	-	-	43	-	-	-	-	490	-	-	-	-	25	-	-	-	-	39
1970	-	-	-	-	-	-	-	-	-	80	-	-	-	-	765	-	-	-	-	17	-	-	-	-	75
1975	-	-	-	-	-	-	-	-	-	79	-	-	-	-	714	-	-	-	-	32	-	-	-	-	196
1980	31.5 %	19.2 %	49.3 %	0.0 %	73	87.5 %	6.3 %	6.3 %	0.0 %	80	39.3 %	57.2 %	3.5 %	0.0 %	687	37.1 %	62.9 %	0.0 %	0.0 %	35	10.5 %	64.0 %	25.5 %	0.0 %	247
1981	32.9 %	17.1 %	50.0 %	0.0 %	70	87.5 %	6.3 %	6.3 %	0.0 %	80	42.7 %	54.0 %	3.3 %	0.0 %	728	36.4 %	63.6 %	0.0 %	0.0 %	33	12.7 %	63.3 %	24.0 %	0.0 %	275
1982	32.9 %	17.1 %	50.0 %	0.0 %	70	87.5 %	6.3 %	6.3 %	0.0 %	80	49.1 %	48.1 %	2.8 %	0.0 %	817	27.6 %	72.4 %	0.0 %	0.0 %	29	20.0 %	56.1 %	23.9 %	0.0 %	280
1983	33.3 %	17.4 %	49.3 %	0.0 %	69	87.3 %	6.3 %	6.3 %	0.0 %	79	53.7 %	43.7 %	2.6 %	0.0 %	899	27.6 %	72.4 %	0.0 %	0.0 %	29	29.6 %	48.4 %	22.0 %	0.0 %	304
1984	33.3 %	17.4 %	49.3 %	0.0 %	69	87.3 %	6.3 %	6.3 %	0.0 %	79	54.6 %	42.9 %	2.5 %	0.0 %	916	27.6 %	72.4 %	0.0 %	0.0 %	29	30.3 %	47.9 %	21.8 %	0.0 %	307
1985	32.4 %	17.6 %	50.0 %	0.0 %	68	88.5 %	5.1 %	6.4 %	0.0 %	78	54.6 %	42.9 %	2.5 %	0.0 %	917	25.0 %	75.0 %	0.0 %	0.0 %	28	30.4 %	47.5 %	22.1 %	0.0 %	303
1986	34.3 %	17.1 %	48.6 %	0.0 %	70	93.2 %	0.0 %	6.8 %	0.0 %	74	53.8 %	43.7 %	2.6 %	0.0 %	898	25.0 %	75.0 %	0.0 %	0.0 %	28	30.7 %	48.0 %	21.3 %	0.0 %	300
1987	34.3 %	17.1 %	48.6 %	0.0 %	70	93.2 %	0.0 %	6.8 %	0.0 %	73	53.9 %	43.6 %	2.6 %	0.0 %	900	25.0 %	75.0 %	0.0 %	0.0 %	28	31.1 %	47.7 %	21.2 %	0.0 %	302
1988	34.3 %	17.1 %	48.6 %	0.0 %	70	92.8 %	0.0 %	7.2 %	0.0 %	69	54.2 %	43.3 %	2.5 %	0.0 %	903	25.0 %	75.0 %	0.0 %	0.0 %	28	32.5 %	47.8 %	19.7 %	0.0 %	314
1989	34.3 %	17.1 %	48.6 %	0.0 %	70	92.6 %	0.0 %	7.4 %	0.0 %	68	54.2 %	43.3 %	2.5 %	0.0 %	903	24.1 %	75.9 %	0.0 %	0.0 %	29	33.5 %	47.0 %	19.4 %	0.0 %	319
1990	34.3 %	17.1 %	48.6 %	0.0 %	70	92.6 %	0.0 %	7.4 %	0.0 %	68	51.3 %	41.0 %	2.4 %	5.2 %	953	37.1 %	62.9 %	0.0 %	0.0 %	35	33.8 %	46.9 %	19.4 %	0.0 %	320
1991	34.3 %	17.1 %	48.6 %	0.0 %	70	92.6 %	0.0 %	7.4 %	0.0 %	68	51.3 %	41.0 %	2.4 %	5.2 %	953	46.3 %	53.7 %	0.0 %	0.0 %	41	34.0 %	46.9 %	19.1 %	0.0 %	324
1992	34.3 %	17.1 %	48.6 %	0.0 %	70	91.7 %	0.0 %	8.3 %	0.0 %	60	50.6 %	41.5 %	2.5 %	5.4 %	926	46.3 %	53.7 %	0.0 %	0.0 %	41	38.6 %	49.6 %	11.8 %	0.0 %	280
1993	34.3 %	17.1 %	48.6 %	0.0 %	70	92.6 %	0.0 %	7.4 %	0.0 %	68	50.6 %	41.5 %	2.5 %	5.4 %	926	47.5 %	52.5 %	0.0 %	0.0 %	40	37.8 %	48.6 %	13.6 %	0.0 %	286
1994	34.3 %	17.1 %	48.6 %	0.0 %	70	93.8 %	0.0 %	6.3 %	0.0 %	80	50.7 %	41.4 %	2.5 %	5.4 %	927	47.5 %	52.5 %	0.0 %	0.0 %	40	37.8 %	48.6 %	13.6 %	0.0 %	286
1995	34.3 %	17.1 %	48.6 %	0.0 %	70	93.7 %	0.0 %	6.3 %	0.0 %	79	50.8 %	41.4 %	2.5 %	5.4 %	926	47.5 %	52.5 %	0.0 %	0.0 %	40	37.8 %	48.6 %	13.6 %	0.0 %	286

Source: EUROCOPTER

TABLE 6.1 (c)

**EU MILITARY HELICOPTER FLEET**  
(Units at Year-end)

	FI					FR					GB					GR					IE								
	<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>								
	Design Origin	EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin	EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin	EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin	EU	US built	EU built under US licence	Design Origin Other	Units	Design Origin	EU	US built	EU built under US licence	Design Origin Other
1960	-	-	-	-	-	-	-	-	-	-	801	-	-	-	-	-	491	-	-	-	-	-	7	-	-	-	-	-	0
1965	-	-	-	-	-	-	-	-	-	-	758	-	-	-	-	-	764	-	-	-	-	-	7	-	-	-	-	-	3
1970	-	-	-	-	-	-	-	-	-	-	734	-	-	-	-	-	1,030	-	-	-	-	-	55	-	-	-	-	-	3
1975	-	-	-	-	-	-	-	-	-	-	805	-	-	-	-	-	987	-	-	-	-	-	64	-	-	-	-	-	8
1980	0.0 %	20.0 %	0.0 %	80.0 %	10	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	809	67.3 %	0.1 %	32.6 %	0.0 %	847	2.8 %	48.9 %	48.2 %	0.0 %	141	100.0 %	0.0 %	0.0 %	0.0 %	9			
1981	0.0 %	20.0 %	0.0 %	80.0 %	10	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	824	67.5 %	1.4 %	31.1 %	0.0 %	864	3.2 %	45.2 %	51.6 %	0.0 %	126	100.0 %	0.0 %	0.0 %	0.0 %	11			
1982	0.0 %	0.0 %	0.0 %	100.0 %	8	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	842	65.9 %	3.8 %	30.3 %	0.0 %	824	3.3 %	42.6 %	54.1 %	0.0 %	122	100.0 %	0.0 %	0.0 %	0.0 %	11			
1983	0.0 %	25.0 %	0.0 %	75.0 %	8	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	854	69.1 %	3.6 %	27.2 %	0.0 %	852	3.4 %	41.9 %	54.7 %	0.0 %	117	100.0 %	0.0 %	0.0 %	0.0 %	10			
1984	0.0 %	25.0 %	0.0 %	75.0 %	8	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	895	72.2 %	4.0 %	23.8 %	0.0 %	828	3.6 %	39.3 %	57.1 %	0.0 %	112	100.0 %	0.0 %	0.0 %	0.0 %	10			
1985	0.0 %	25.0 %	0.0 %	75.0 %	8	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	902	72.4 %	4.2 %	23.3 %	0.0 %	831	3.1 %	30.2 %	66.7 %	0.0 %	129	100.0 %	0.0 %	0.0 %	0.0 %	10			
1986	0.0 %	25.0 %	0.0 %	75.0 %	8	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	915	71.9 %	4.2 %	23.9 %	0.0 %	830	2.8 %	23.1 %	74.1 %	0.0 %	143	100.0 %	0.0 %	0.0 %	0.0 %	15			
1987	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	917	72.2 %	4.1 %	23.7 %	0.0 %	824	2.8 %	23.4 %	73.8 %	0.0 %	141	100.0 %	0.0 %	0.0 %	0.0 %	15			
1988	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	910	71.5 %	3.9 %	24.6 %	0.0 %	847	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	15			
1989	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	908	71.6 %	3.9 %	24.5 %	0.0 %	846	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	15			
1990	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	925	73.6 %	4.1 %	22.4 %	0.0 %	813	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	15			
1991	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	938	73.7 %	4.1 %	22.2 %	0.0 %	814	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	15			
1992	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	953	75.3 %	4.1 %	20.6 %	0.0 %	801	15.0 %	20.6 %	64.4 %	0.0 %	160	100.0 %	0.0 %	0.0 %	0.0 %	15			
1993	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	956	76.7 %	4.2 %	19.2 %	0.0 %	793	14.1 %	25.3 %	60.6 %	0.0 %	170	100.0 %	0.0 %	0.0 %	0.0 %	13			
1994	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	960	76.4 %	4.4 %	19.2 %	0.0 %	793	14.4 %	26.9 %	58.7 %	0.0 %	167	100.0 %	0.0 %	0.0 %	0.0 %	13			
1995	0.0 %	22.2 %	0.0 %	77.8 %	9	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	961	76.2 %	4.5 %	19.4 %	0.0 %	785	12.9 %	34.4 %	52.7 %	0.0 %	186	100.0 %	0.0 %	0.0 %	0.0 %	12			

Source: EUROCOPTER

TABLE 6.1 (d)

**EU MILITARY HELICOPTER FLEET**  
(Units at Year-end)

	IT					LU					NL					PT					SE				
	<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>					<u>Design Origin US</u>				
	Design Origin EU	EU built US	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built US	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built US	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built US	EU built under US licence	Design Origin Other	Units	Design Origin EU	EU built US	EU built under US licence	Design Origin Other	Units
1960	-	-	-	-	98	-	-	-	-	0	-	-	-	-	49	-	-	-	-	2	-	-	-	-	-
1965	-	-	-	-	227	-	-	-	-	0	-	-	-	-	90	-	-	-	-	31	-	-	-	-	-
1970	-	-	-	-	352	-	-	-	-	0	-	-	-	-	98	-	-	-	-	125	-	-	-	-	-
1975	-	-	-	-	548	-	-	-	-	0	-	-	-	-	91	-	-	-	-	113	-	-	-	-	-
1980	1.0 %	0.0 %	99.0 %	0.0 %	495	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	125	100.0 %	0.0 %	0.0 %	0.0 %	63	17.3 %	24.7 %	58.0 %	0.0 %	81
1981	1.0 %	0.0 %	99.0 %	0.0 %	493	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	123	100.0 %	0.0 %	0.0 %	0.0 %	63	17.7 %	25.3 %	57.0 %	0.0 %	79
1982	1.0 %	0.0 %	99.0 %	0.0 %	506	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	122	100.0 %	0.0 %	0.0 %	0.0 %	63	15.4 %	35.2 %	49.5 %	0.0 %	91
1983	1.0 %	0.0 %	99.0 %	0.0 %	514	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	122	100.0 %	0.0 %	0.0 %	0.0 %	63	15.6 %	34.4 %	50.0 %	0.0 %	90
1984	1.0 %	0.0 %	99.0 %	0.0 %	515	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	53	15.7 %	33.7 %	50.6 %	0.0 %	89
1985	0.8 %	0.0 %	99.2 %	0.0 %	509	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	55	2.5 %	38.0 %	59.5 %	0.0 %	79
1986	3.2 %	0.0 %	96.8 %	0.0 %	527	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	55	4.1 %	47.4 %	48.5 %	0.0 %	97
1987	3.2 %	0.0 %	96.8 %	0.0 %	531	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	42	14.7 %	42.2 %	43.1 %	0.0 %	109
1988	7.3 %	0.0 %	92.7 %	0.0 %	565	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	118	100.0 %	0.0 %	0.0 %	0.0 %	42	23.1 %	38.0 %	38.8 %	0.0 %	121
1989	9.1 %	0.0 %	90.9 %	0.0 %	582	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	118	100.0 %	0.0 %	0.0 %	0.0 %	41	23.1 %	38.0 %	38.8 %	0.0 %	121
1990	9.8 %	0.0 %	90.2 %	0.0 %	590	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	116	100.0 %	0.0 %	0.0 %	0.0 %	41	27.9 %	35.7 %	36.4 %	0.0 %	129
1991	10.2 %	0.0 %	89.8 %	0.0 %	619	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	116	100.0 %	0.0 %	0.0 %	0.0 %	41	27.9 %	35.7 %	36.4 %	0.0 %	129
1992	10.7 %	0.0 %	89.3 %	0.0 %	635	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	114	100.0 %	0.0 %	0.0 %	0.0 %	40	31.0 %	28.4 %	40.5 %	0.0 %	116
1993	11.5 %	0.0 %	88.5 %	0.0 %	641	-	-	-	-	0	93.3 %	5.9 %	0.8 %	0.0 %	119	100.0 %	0.0 %	0.0 %	0.0 %	45	31.0 %	28.4 %	40.5 %	0.0 %	116
1994	12.8 %	0.0 %	87.2 %	0.0 %	650	-	-	-	-	0	93.3 %	5.9 %	0.8 %	0.0 %	119	100.0 %	0.0 %	0.0 %	0.0 %	45	28.3 %	28.3 %	43.3 %	0.0 %	120
1995	12.6 %	0.0 %	87.4 %	0.0 %	649	-	-	-	-	0	92.9 %	6.3 %	0.9 %	0.0 %	112	100.0 %	0.0 %	0.0 %	0.0 %	44	29.2 %	27.5 %	43.3 %	0.0 %	120

Source: EUROCOPTER

TABLE 6.2

## WORLD MILITARY HELICOPTER FLEET

All Categories  
(Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia		
1986	1.7%	1.8%	22.0%	0.7%	7.4%	0.2%	22.4%	20.3%	3.5%	0.4%	12.9%	0.0%	2.9%	1.3%	2.4%	4,080	18.8%	7.8%	35.8%	0.9%	5.4%	8.5%	4.3%	0.8%	17.9%	21,760
1987	1.7%	1.8%	22.1%	0.7%	7.4%	0.2%	22.5%	20.2%	3.5%	0.4%	13.0%	0.0%	2.9%	1.0%	2.7%	4,081	18.3%	7.7%	36.3%	0.8%	5.5%	8.4%	4.1%	0.8%	17.9%	22,296
1988	1.7%	1.7%	21.8%	0.7%	7.6%	0.2%	21.9%	20.4%	3.4%	0.4%	13.6%	0.0%	2.8%	1.0%	2.9%	4,151	18.4%	7.7%	35.8%	0.8%	5.7%	8.2%	4.1%	0.8%	18.5%	22,516
1989	1.7%	1.6%	21.7%	0.7%	7.7%	0.2%	21.8%	20.3%	3.4%	0.4%	14.0%	0.0%	2.8%	1.0%	2.9%	4,169	18.1%	7.9%	36.1%	0.8%	5.8%	8.1%	3.9%	0.7%	18.5%	23,053
1990	1.7%	1.6%	22.6%	0.8%	7.6%	0.2%	21.9%	19.2%	3.3%	0.4%	14.0%	0.0%	2.7%	1.0%	3.1%	4,224	18.2%	7.2%	35.8%	0.8%	6.1%	8.1%	3.8%	0.7%	19.3%	23,241
1991	1.6%	1.6%	22.3%	1.0%	7.6%	0.2%	21.9%	19.0%	3.3%	0.4%	14.5%	0.0%	2.7%	1.0%	3.0%	4,277	18.5%	7.3%	34.4%	0.8%	6.3%	8.2%	3.9%	0.7%	20.0%	23,093
1992	1.7%	1.4%	21.9%	1.0%	6.6%	0.2%	22.6%	19.0%	3.8%	0.4%	15.0%	0.0%	2.7%	0.9%	2.7%	4,220	18.6%	7.5%	33.4%	0.8%	6.3%	8.2%	3.9%	0.7%	20.5%	22,716
1993	1.6%	1.6%	21.8%	0.9%	6.7%	0.2%	22.5%	18.7%	4.0%	0.3%	15.1%	0.0%	2.8%	1.1%	2.7%	4,252	18.9%	7.7%	32.2%	0.8%	6.4%	8.5%	3.9%	0.7%	20.9%	22,507
1994	1.6%	1.9%	21.7%	0.9%	6.7%	0.2%	22.4%	18.5%	3.9%	0.3%	15.2%	0.0%	2.8%	1.1%	2.8%	4,279	19.1%	7.6%	31.3%	0.8%	6.6%	8.8%	3.9%	0.7%	21.2%	22,398
1995	1.6%	1.8%	21.6%	0.9%	6.7%	0.2%	22.5%	18.3%	4.3%	0.3%	15.2%	0.0%	2.6%	1.0%	2.8%	4,279	18.9%	7.6%	31.1%	0.9%	6.6%	9.3%	3.9%	0.7%	21.0%	22,653
Design Origin EU - Market Shares in Member States																	Design Origin EU - Market Shares in Zones									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1986	34.3%	93.2%	53.8%	25.0%	30.7%	0.0%	100.0%	71.9%	2.8%	100.0%	3.2%	-	100.0%	100.0%	4.1%	58.9%	26.1%	0.0%	0.0%	22.9%	25.7%	36.0%	100.0%	21.2%	22.6%	
1987	34.3%	93.2%	53.9%	25.0%	31.1%	0.0%	100.0%	72.2%	2.8%	100.0%	3.2%	-	100.0%	100.0%	14.7%	58.9%	26.8%	0.0%	0.0%	23.7%	25.1%	37.1%	100.0%	20.5%	22.3%	
1988	34.3%	92.8%	54.2%	25.0%	32.5%	0.0%	100.0%	71.5%	2.9%	100.0%	7.3%	-	100.0%	100.0%	23.1%	59.0%	26.6%	0.0%	0.0%	23.6%	24.2%	36.5%	100.0%	21.0%	22.4%	
1989	34.3%	92.6%	54.2%	24.1%	33.5%	0.0%	100.0%	71.6%	2.9%	100.0%	9.1%	-	100.0%	100.0%	23.1%	59.1%	25.6%	0.0%	0.0%	23.6%	23.9%	36.4%	100.0%	20.5%	22.0%	
1990	34.3%	92.6%	51.3%	37.1%	33.8%	0.0%	100.0%	73.6%	2.9%	100.0%	9.8%	-	100.0%	100.0%	27.9%	58.9%	27.6%	0.0%	0.0%	23.9%	23.4%	36.2%	100.0%	19.9%	22.0%	
1991	34.3%	92.6%	51.3%	46.3%	34.0%	0.0%	100.0%	73.7%	2.9%	100.0%	10.2%	-	100.0%	100.0%	27.9%	58.9%	27.3%	0.0%	0.0%	24.7%	23.0%	36.0%	100.0%	19.7%	22.3%	
1992	34.3%	91.7%	50.6%	46.3%	38.6%	0.0%	100.0%	75.3%	15.0%	100.0%	10.7%	-	100.0%	100.0%	31.0%	59.9%	27.5%	0.0%	0.0%	25.5%	23.1%	35.2%	100.0%	19.7%	22.8%	
1993	34.3%	92.6%	50.6%	47.5%	37.8%	0.0%	100.0%	76.7%	14.1%	100.0%	11.5%	-	93.3%	100.0%	31.0%	60.0%	26.1%	0.0%	0.0%	25.7%	22.9%	36.2%	100.0%	19.9%	23.2%	
1994	34.3%	93.8%	50.7%	47.5%	37.8%	0.0%	100.0%	76.4%	14.4%	100.0%	12.8%	-	93.3%	100.0%	28.3%	60.1%	25.4%	0.0%	0.0%	25.7%	22.5%	36.2%	100.0%	19.6%	23.3%	
1995	34.3%	93.7%	50.8%	47.5%	37.8%	0.0%	100.0%	76.2%	12.9%	100.0%	12.6%	-	92.9%	100.0%	29.2%	59.7%	25.7%	0.0%	0.0%	25.1%	21.0%	37.6%	100.0%	19.6%	23.1%	
Design Origin EU - Distribution among Member States																	Design Origin EU - Distribution among Zones									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	Units World	
1986	1.0%	2.9%	20.1%	0.3%	3.8%	0.0%	38.1%	24.9%	0.2%	0.6%	0.7%	0.0%	5.0%	2.3%	0.2%	2,402	48.9%	9.0%	0.0%	0.0%	5.5%	9.6%	6.8%	3.5%	16.7%	4,917
1987	1.0%	2.8%	20.2%	0.3%	3.9%	0.0%	38.1%	24.8%	0.2%	0.6%	0.7%	0.0%	5.0%	1.7%	0.7%	2,404	48.4%	9.3%	0.0%	0.0%	5.9%	9.5%	6.9%	3.5%	16.5%	4,966
1988	1.0%	2.6%	20.0%	0.3%	4.2%	0.0%	37.1%	24.7%	0.2%	0.6%	1.7%	0.0%	4.8%	1.7%	1.1%	2,450	48.6%	9.2%	0.0%	0.0%	6.0%	8.9%	6.6%	3.4%	17.4%	5,043
1989	1.0%	2.6%	19.9%	0.3%	4.3%	0.0%	36.9%	24.6%	0.2%	0.6%	2.2%	0.0%	4.8%	1.7%	1.1%	2,463	48.6%	9.2%	0.0%	0.0%	6.3%	8.8%	6.5%	3.4%	17.3%	5,067
1990	1.0%	2.5%	19.6%	0.5%	4.3%	0.0%	37.1%	24.0%	0.2%	0.6%	2.3%	0.0%	4.7%	1.6%	1.4%	2,490	48.8%	9.0%	0.0%	0.0%	6.7%	8.6%	6.3%	3.1%	17.4%	5,102
1991	1.0%	2.5%	19.4%	0.8%	4.4%	0.0%	37.3%	23.8%	0.2%	0.6%	2.5%	0.0%	4.6%	1.6%	1.4%	2,518	48.8%	8.9%	0.0%	0.0%	7.0%	8.4%	6.2%	3.1%	17.6%	5,160
1992	0.9%	2.2%	18.6%	0.8%	4.3%	0.0%	37.7%	23.9%	0.9%	0.6%	2.7%	0.0%	4.5%	1.6%	1.4%	2,528	48.8%	9.1%	0.0%	0.0%	7.1%	8.3%	6.1%	2.9%	17.7%	5,180
1993	0.9%	2.5%	18.4%	0.7%	4.2%	0.0%	37.5%	23.8%	0.9%	0.5%	2.9%	0.0%	4.4%	1.8%	1.4%	2,550	48.9%	8.7%	0.0%	0.0%	7.1%	8.4%	6.0%	2.9%	18.0%	5,214
1994	0.9%	2.9%	18.3%	0.7%	4.2%	0.0%	37.3%	23.6%	0.9%	0.5%	3.2%	0.0%	4.3%	1.7%	1.3%	2,572	49.2%	8.3%	0.0%	0.0%	7.3%	8.5%	6.0%	2.9%	17.9%	5,226
1995	0.9%	2.9%	18.4%	0.7%	4.2%	0.0%	37.6%	23.4%	0.9%	0.5%	3.2%	0.0%	4.1%	1.7%	1.4%	2,555	48.8%	8.4%	0.0%	0.0%	7.1%	8.5%	6.3%	2.9%	17.8%	5,233

Source: EUROCOPTER

TABLE 6.3

**WORLD MILITARY HELICOPTER FLEET**  
**Category: PISTON**  
**(Units at Year-end)**

Member State Breakdown in % of EU Total																Geographical Breakdown - % of World Total										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	0.0%	0.0%	0.0%	0.0%	29.7%	0.0%	0.0%	0.0%	29.7%	0.0%	23.9%	0.0%	0.0%	0.0%	16.8%	155	11.1%	20.0%	10.1%	0.0%	11.3%	4.0%	4.5%	0.0%	39.0%	1,391
1987	0.0%	0.0%	0.0%	0.0%	30.7%	0.0%	0.0%	0.0%	30.7%	0.0%	21.3%	0.0%	0.0%	0.0%	17.3%	150	10.7%	19.1%	12.1%	0.0%	11.5%	3.8%	4.3%	0.0%	38.4%	1,400
1988	0.0%	0.0%	0.0%	0.0%	30.8%	0.0%	0.0%	0.0%	32.2%	0.0%	18.9%	0.0%	0.0%	0.0%	18.2%	143	11.4%	20.4%	2.4%	0.0%	14.0%	4.1%	4.8%	0.0%	42.9%	1,255
1989	0.0%	0.0%	0.0%	0.0%	30.8%	0.0%	0.0%	0.0%	32.2%	0.0%	18.9%	0.0%	0.0%	0.0%	18.2%	143	11.5%	19.7%	2.4%	0.0%	14.1%	4.2%	4.6%	0.0%	43.5%	1,246
1990	0.0%	0.0%	0.0%	0.0%	30.8%	0.0%	0.0%	0.0%	32.2%	0.0%	18.9%	0.0%	0.0%	0.0%	18.2%	143	11.6%	19.3%	2.4%	0.0%	14.1%	4.2%	4.6%	0.0%	43.6%	1,231
1991	0.0%	0.0%	0.0%	0.0%	30.8%	0.0%	0.0%	0.0%	32.2%	0.0%	18.9%	0.0%	0.0%	0.0%	18.2%	143	11.7%	19.5%	2.5%	0.0%	14.1%	4.3%	4.7%	0.0%	43.3%	1,223
1992	0.0%	0.0%	0.0%	0.0%	19.1%	0.0%	0.0%	0.0%	51.7%	0.0%	0.0%	0.0%	0.0%	0.0%	29.2%	89	8.6%	18.1%	2.9%	0.0%	12.0%	5.0%	5.5%	0.0%	47.7%	1,031
1993	0.0%	0.0%	0.0%	0.0%	19.1%	0.0%	0.0%	0.0%	51.7%	0.0%	0.0%	0.0%	0.0%	0.0%	29.2%	89	9.7%	18.2%	3.3%	0.0%	12.4%	4.7%	3.5%	0.0%	48.2%	913
1994	0.0%	0.0%	0.0%	0.0%	20.2%	0.0%	0.0%	0.0%	48.8%	0.0%	0.0%	0.0%	0.0%	0.0%	31.0%	84	9.2%	17.5%	3.3%	0.0%	13.7%	4.7%	3.5%	0.0%	48.1%	914
1995	0.0%	0.0%	0.0%	0.0%	20.5%	0.0%	0.0%	0.0%	48.2%	0.0%	0.0%	0.0%	0.0%	0.0%	31.3%	83	9.1%	17.5%	3.3%	0.0%	13.7%	4.7%	3.5%	0.0%	48.2%	913
Design Origin EU - Market Shares in Member States																Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1986	-	-	-	-	0.0%	-	-	-	0.0%	-	0.0%	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1987	-	-	-	-	0.0%	-	-	-	0.0%	-	0.0%	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1988	-	-	-	-	0.0%	-	-	-	0.0%	-	0.0%	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1989	-	-	-	-	0.0%	-	-	-	0.0%	-	0.0%	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1990	-	-	-	-	0.0%	-	-	-	0.0%	-	0.0%	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1991	-	-	-	-	0.0%	-	-	-	0.0%	-	0.0%	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1992	-	-	-	-	0.0%	-	-	-	0.0%	-	-	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1993	-	-	-	-	0.0%	-	-	-	0.0%	-	-	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1994	-	-	-	-	0.0%	-	-	-	0.0%	-	-	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
1995	-	-	-	-	0.0%	-	-	-	0.0%	-	-	-	-	-	0.0%	0	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Design Origin EU - Distribution among Member States																Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0

Source: EUROCOPTER



TABLE 6.4

**WORLD MILITARY HELICOPTER FLEET**  
**Category: LIGHT SINGLE ENGINE**  
 (Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Republic of South Africa	Asia + Australasia			
1986	2.8%	4.1%	9.3%	0.8%	3.1%	0.1%	40.4%	21.0%	1.6%	0.6%	8.1%	0.0%	3.9%	2.6%	1.6%	1,699	25.5%	7.2%	29.0%	1.2%	4.9%	7.4%	4.2%	1.5%	19.2%	6,671	
1987	2.8%	4.0%	9.4%	0.8%	3.1%	0.1%	40.7%	21.2%	1.7%	0.6%	8.1%	0.0%	4.0%	1.9%	1.6%	1,683	25.3%	7.4%	28.8%	1.2%	5.2%	7.1%	4.2%	1.5%	19.3%	6,643	
1988	2.8%	3.8%	9.5%	0.8%	3.1%	0.1%	40.3%	21.4%	1.7%	0.6%	8.2%	0.0%	4.0%	1.9%	1.6%	1,666	24.8%	7.3%	28.5%	1.2%	5.1%	6.7%	4.1%	1.5%	20.9%	6,712	
1989	2.8%	3.8%	9.6%	0.8%	3.2%	0.1%	39.8%	21.6%	1.7%	0.6%	8.4%	0.0%	4.1%	1.9%	1.6%	1,650	24.5%	7.3%	28.3%	1.2%	5.4%	6.5%	4.1%	1.5%	21.3%	6,739	
1990	2.9%	3.8%	9.6%	1.2%	3.2%	0.1%	39.8%	21.2%	1.7%	0.6%	8.5%	0.0%	4.0%	1.9%	1.6%	1,645	24.6%	7.4%	27.5%	1.2%	5.5%	6.5%	4.0%	1.5%	21.9%	6,691	
1991	2.8%	3.7%	9.5%	1.6%	3.1%	0.1%	39.5%	20.9%	1.7%	0.6%	9.0%	0.0%	3.9%	1.9%	1.6%	1,662	25.6%	7.6%	24.4%	1.2%	5.6%	6.7%	4.2%	1.5%	23.1%	6,481	
1992	2.8%	2.7%	8.3%	1.6%	1.6%	0.1%	39.7%	20.9%	2.9%	0.6%	11.4%	0.0%	3.9%	1.8%	1.6%	1,655	25.9%	7.7%	23.4%	1.3%	6.0%	6.8%	4.3%	1.4%	23.3%	6,397	
1993	2.9%	1.8%	8.5%	1.5%	1.6%	0.1%	40.0%	21.2%	2.9%	0.5%	11.6%	0.0%	3.8%	1.8%	1.7%	1,628	25.8%	7.8%	22.2%	1.3%	6.2%	6.8%	4.3%	1.4%	24.2%	6,313	
1994	2.9%	1.8%	8.5%	1.5%	1.6%	0.1%	40.0%	21.2%	2.9%	0.5%	11.6%	0.0%	3.8%	1.8%	1.7%	1,630	26.0%	7.6%	21.7%	1.3%	6.3%	6.9%	4.3%	1.5%	24.3%	6,258	
1995	2.9%	1.7%	8.6%	1.6%	1.6%	0.1%	40.3%	21.0%	3.0%	0.4%	11.8%	0.0%	3.5%	1.8%	1.7%	1,608	25.6%	7.6%	22.3%	1.3%	6.2%	6.9%	4.5%	1.4%	24.2%	6,288	

	Design Origin EU - Market Shares in Member States															Units EU	Design Origin EU - Market Shares in Zones										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Republic of South Africa	Asia + Australasia			
1986	51.1%	100.0%	100.0%	0.0%	9.6%	0.0%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	0.0%	83.9%	78.5%	0.0%	0.0%	52.5%	63.0%	73.6%	100.0%	48.4%	48.1%		
1987	51.1%	100.0%	100.0%	0.0%	9.6%	0.0%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	0.0%	83.7%	78.9%	0.0%	0.0%	52.9%	62.0%	75.8%	100.0%	47.5%	48.1%		
1988	51.1%	100.0%	100.0%	0.0%	9.6%	0.0%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	0.0%	83.6%	79.1%	0.0%	0.0%	52.9%	60.5%	75.0%	100.0%	47.1%	47.6%		
1989	51.1%	100.0%	100.0%	0.0%	9.6%	0.0%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	0.0%	83.3%	79.1%	0.0%	0.0%	52.6%	59.4%	74.2%	100.0%	46.2%	47.2%		
1990	51.1%	100.0%	100.0%	30.0%	9.6%	0.0%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	0.0%	83.2%	78.3%	0.0%	0.0%	50.5%	56.2%	73.7%	100.0%	45.5%	47.0%		
1991	51.1%	100.0%	100.0%	46.2%	9.6%	0.0%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	0.0%	82.7%	77.8%	0.0%	0.0%	48.9%	56.0%	73.8%	100.0%	45.2%	48.7%		
1992	51.1%	100.0%	100.0%	46.2%	0.0%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	0.0%	81.6%	77.5%	0.0%	0.0%	46.7%	56.4%	71.2%	100.0%	45.6%	48.8%		
1993	51.1%	100.0%	100.0%	48.0%	0.0%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	0.0%	81.3%	77.4%	0.0%	0.0%	46.8%	56.5%	71.1%	100.0%	45.2%	49.2%		
1994	51.1%	100.0%	100.0%	48.0%	0.0%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	0.0%	81.3%	76.5%	0.0%	0.0%	47.5%	56.4%	71.0%	100.0%	45.2%	49.4%		
1995	51.1%	100.0%	100.0%	48.0%	0.0%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	0.0%	81.1%	76.2%	0.0%	0.0%	46.9%	56.4%	72.2%	100.0%	45.3%	49.0%		

	Design Origin EU - Distribution among Member States															Units EU	Design Origin EU - Distribution among Zones										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Republic of South Africa	Asia + Australasia			
1986	1.7%	4.8%	11.1%	0.0%	0.4%	0.0%	48.1%	25.1%	0.3%	0.7%	0.0%	0.0%	4.7%	3.2%	0.0%	1,425	44.4%	11.7%	0.0%	0.0%	5.3%	9.7%	6.4%	3.1%	19.4%	3,208	
1987	1.7%	4.8%	11.2%	0.0%	0.4%	0.0%	48.6%	25.3%	0.3%	0.7%	0.0%	0.0%	4.8%	2.3%	0.0%	1,409	44.1%	12.1%	0.0%	0.0%	5.7%	9.2%	6.7%	3.1%	19.0%	3,192	
1988	1.7%	4.6%	11.4%	0.0%	0.4%	0.0%	48.3%	25.6%	0.3%	0.7%	0.0%	0.0%	4.8%	2.3%	0.0%	1,392	43.5%	12.2%	0.0%	0.0%	5.7%	8.5%	6.4%	3.1%	20.6%	3,198	
1989	1.7%	4.6%	11.5%	0.0%	0.4%	0.0%	47.7%	25.9%	0.3%	0.7%	0.0%	0.0%	4.9%	2.3%	0.0%	1,374	43.2%	12.2%	0.0%	0.0%	6.0%	8.1%	6.4%	3.1%	20.8%	3,181	
1990	1.8%	4.6%	11.5%	0.4%	0.4%	0.0%	47.8%	25.4%	0.3%	0.7%	0.0%	0.0%	4.8%	2.3%	0.0%	1,368	43.5%	12.3%	0.0%	0.0%	5.9%	7.8%	6.3%	3.2%	21.2%	3,148	
1991	1.7%	4.5%	11.5%	0.9%	0.4%	0.0%	47.8%	25.2%	0.3%	0.7%	0.0%	0.0%	4.7%	2.3%	0.0%	1,375	43.6%	12.1%	0.0%	0.0%	5.6%	7.7%	6.3%	3.2%	21.4%	3,155	
1992	1.8%	3.3%	10.2%	0.9%	0.0%	0.0%	48.7%	25.6%	1.8%	0.7%	0.0%	0.0%	4.8%	2.2%	0.0%	1,350	43.3%	12.2%	0.0%	0.0%	5.7%	7.8%	6.2%	2.9%	21.8%	3,121	
1993	1.8%	2.3%	10.4%	0.9%	0.0%	0.0%	49.2%	26.1%	1.8%	0.6%	0.0%	0.0%	4.7%	2.3%	0.0%	1,324	42.6%	12.2%	0.0%	0.0%	5.9%	7.9%	6.2%	2.9%	22.2%	3,106	
1994	1.8%	2.2%	10.5%	0.9%	0.0%	0.0%	49.2%	26.0%	1.8%	0.6%	0.0%	0.0%	4.7%	2.3%	0.0%	1,325	42.9%	11.7%	0.0%	0.0%	6.1%	7.9%	6.2%	2.9%	22.3%	3,092	
1995	1.8%	2.1%	10.7%	0.9%	0.0%	0.0%	49.7%	25.8%	1.8%	0.5%	0.0%	0.0%	4.3%	2.2%	0.0%	1,304	42.3%	11.8%	0.0%	0.0%	6.0%	7.9%	6.7%	3.0%	22.4%	3,080	

Source: EUROCOPTER

TABLE 6.5

**WORLD MILITARY HELICOPTER FLEET**  
**Category: LIGHT TWIN ENGINE**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	0.0%	0.0%	70.2%	0.0%	15.7%	0.0%	1.8%	0.7%	0.0%	0.0%	3.8%	0.0%	7.0%	0.0%	0.9%	444	50.5%	21.8%	0.0%	0.0%	5.4%	8.7%	4.1%	0.0%	9.5%	884	
1987	0.0%	0.0%	68.3%	0.0%	15.3%	0.0%	1.7%	0.7%	0.0%	0.0%	3.7%	0.0%	6.8%	0.0%	3.5%	458	49.1%	20.7%	0.0%	0.0%	6.2%	11.3%	3.8%	0.0%	9.0%	933	
1988	0.0%	0.0%	63.9%	0.0%	14.3%	0.0%	1.4%	0.6%	0.0%	0.0%	8.4%	0.0%	5.9%	0.0%	5.3%	488	51.5%	20.4%	0.0%	0.0%	6.8%	10.6%	2.6%	0.0%	8.1%	947	
1989	0.0%	0.0%	61.4%	0.0%	13.8%	0.0%	3.0%	0.6%	0.0%	0.0%	10.4%	0.0%	5.7%	0.0%	5.1%	508	51.8%	19.7%	0.0%	0.0%	6.8%	11.5%	2.4%	0.0%	7.7%	981	
1990	0.0%	0.0%	60.6%	0.0%	13.0%	0.0%	5.5%	0.6%	0.0%	0.0%	10.0%	0.0%	5.5%	0.0%	4.9%	531	52.4%	18.0%	0.0%	0.0%	8.1%	11.4%	2.4%	0.0%	7.7%	1,014	
1991	0.0%	0.2%	59.7%	0.0%	12.8%	0.0%	6.7%	0.6%	0.0%	0.0%	9.8%	0.0%	5.4%	0.0%	4.8%	539	52.7%	17.9%	0.0%	0.0%	8.1%	11.3%	2.3%	0.0%	7.6%	1,023	
1992	0.0%	2.0%	57.6%	0.0%	12.3%	0.0%	8.6%	0.5%	0.0%	0.0%	9.5%	0.0%	4.8%	0.0%	4.7%	559	52.0%	19.6%	0.0%	0.0%	8.1%	10.7%	2.4%	0.0%	7.2%	1,076	
1993	0.0%	5.6%	54.7%	0.0%	11.7%	0.0%	9.5%	0.5%	0.0%	0.0%	9.0%	0.0%	4.6%	0.0%	4.4%	589	53.3%	19.1%	0.0%	0.0%	8.0%	10.4%	2.4%	0.0%	7.0%	1,106	
1994	0.0%	7.7%	53.8%	0.0%	11.5%	0.0%	9.3%	0.5%	0.0%	0.0%	8.8%	0.0%	4.5%	0.0%	3.8%	599	53.6%	18.9%	0.0%	0.0%	7.9%	10.5%	2.3%	0.0%	6.9%	1,118	
1995	0.0%	7.7%	53.9%	0.0%	11.6%	0.0%	9.4%	0.5%	0.0%	0.0%	8.7%	0.0%	4.4%	0.0%	3.9%	597	53.2%	18.8%	0.0%	0.0%	7.9%	10.5%	2.5%	0.4%	6.7%	1,123	

	Design Origin EU - Market Shares in Member States															Units EU	Design Origin EU - Market Shares in Zones										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	-	-	100.0%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.0%	0.0%	-	-	85.4%	72.7%	97.2%	-	100.0%	74.9%	
1987	-	-	100.0%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.0%	0.0%	-	-	86.2%	61.0%	100.0%	-	100.0%	74.1%	
1988	-	-	100.0%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.0%	0.0%	-	-	89.1%	61.0%	100.0%	-	100.0%	74.8%	
1989	-	-	100.0%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.0%	0.0%	-	-	89.6%	65.5%	100.0%	-	100.0%	75.6%	
1990	-	-	96.9%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.0%	0.0%	-	-	91.5%	66.4%	100.0%	-	100.0%	76.4%	
1991	-	100.0%	96.9%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.0%	0.0%	-	-	91.6%	66.4%	100.0%	-	100.0%	76.6%	
1992	-	100.0%	96.9%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.5%	0.5%	-	-	92.0%	66.1%	92.3%	-	100.0%	75.1%	
1993	-	100.0%	96.9%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.5%	0.5%	-	-	92.0%	66.1%	92.3%	-	100.0%	75.8%	
1994	-	100.0%	96.9%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.5%	0.5%	-	-	92.0%	66.7%	92.3%	-	100.0%	76.0%	
1995	-	100.0%	96.9%	-	100.0%	-	100.0%	100.0%	-	-	100.0%	-	100.0%	-	100.0%	100.0%	0.5%	0.5%	-	-	92.1%	66.9%	96.4%	100.0%	100.0%	76.2%	

	Design Origin EU - Distribution among Member States															Units EU	Design Origin EU - Distribution among Zones										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	0.0%	0.0%	70.2%	0.0%	15.7%	0.0%	1.8%	0.7%	0.0%	0.0%	3.8%	0.0%	7.0%	0.0%	0.9%	446	67.4%	0.0%	0.0%	0.0%	6.2%	8.5%	5.3%	0.0%	12.7%	662	
1987	0.0%	0.0%	68.3%	0.0%	15.3%	0.0%	1.7%	0.7%	0.0%	0.0%	3.7%	0.0%	6.8%	0.0%	3.5%	458	66.3%	0.0%	0.0%	0.0%	7.2%	9.3%	5.1%	0.0%	12.2%	691	
1988	0.0%	0.0%	63.9%	0.0%	14.3%	0.0%	1.4%	0.6%	0.0%	0.0%	8.4%	0.0%	5.9%	0.0%	5.3%	488	68.9%	0.0%	0.0%	0.0%	8.1%	8.6%	3.5%	0.0%	10.9%	708	
1989	0.0%	0.0%	61.4%	0.0%	13.8%	0.0%	3.0%	0.6%	0.0%	0.0%	10.4%	0.0%	5.7%	0.0%	5.1%	508	68.5%	0.0%	0.0%	0.0%	8.1%	10.0%	3.2%	0.0%	10.2%	742	
1990	0.0%	0.0%	59.9%	0.0%	13.2%	0.0%	5.6%	0.6%	0.0%	0.0%	10.2%	0.0%	5.6%	0.0%	5.0%	521	67.2%	0.0%	0.0%	0.0%	9.7%	9.9%	3.1%	0.0%	10.1%	775	
1991	0.0%	0.2%	57.0%	0.0%	13.0%	0.0%	6.8%	0.6%	0.0%	0.0%	10.0%	0.0%	5.5%	0.0%	4.9%	529	67.5%	0.0%	0.0%	0.0%	9.7%	9.8%	3.1%	0.0%	9.9%	784	
1992	0.0%	2.0%	56.8%	0.0%	12.6%	0.0%	8.7%	0.5%	0.0%	0.0%	9.7%	0.0%	4.9%	0.0%	4.7%	549	67.9%	0.1%	0.0%	0.0%	9.9%	9.4%	3.0%	0.0%	9.7%	808	
1993	0.0%	5.7%	53.9%	0.0%	11.9%	0.0%	9.7%	0.5%	0.0%	0.0%	9.2%	0.0%	4.7%	0.0%	4.5%	579	69.1%	0.1%	0.0%	0.0%	9.7%	9.1%	2.9%	0.0%	9.2%	838	
1994	0.0%	7.8%	53.0%	0.0%	11.7%	0.0%	9.5%	0.5%	0.0%	0.0%	9.0%	0.0%	4.6%	0.0%	3.9%	589	69.3%	0.1%	0.0%	0.0%	9.5%	9.2%	2.8%	0.0%	9.1%	850	
1995	0.0%	7.8%	53.2%	0.0%	11.8%	0.0%	9.5%	0.5%	0.0%	0.0%	8.9%	0.0%	4.4%	0.0%	3.9%	587	68.6%	0.1%	0.0%	0.0%	9.6%	9.2%	3.2%	0.6%	8.8%	856	

Source: EUROCOPTER

TABLE 6.6

**WORLD MILITARY HELICOPTER FLEET**  
**Category: MEDIUM**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	2.3	0.0	30.2	0.7	8.1	0.0	3.9	19.7	6.0	0.5	24.3	0.0	2.2	0.0	2.0	988	18.7	3.6	42.6	1.0	7.2	6.4	2.9	0.0	17.7	5,278	
1987	2.3	0.0	30.5	0.7	8.1	0.0	4.0	19.8	5.8	0.5	23.9	0.0	2.2	0.0	2.0	982	18.5	3.6	42.4	1.0	7.3	5.8	2.9	0.0	18.5	5,313	
1988	2.3	0.0	30.2	0.7	7.9	0.0	3.9	20.4	5.7	0.5	24.3	0.0	2.2	0.0	2.0	1,007	19.3	3.7	40.6	1.0	7.8	5.8	3.0	0.0	18.8	5,227	
1989	2.3	0.0	30.2	0.7	8.0	0.0	3.8	20.4	5.7	0.5	24.4	0.0	2.2	0.0	2.0	1,006	19.0	3.8	40.2	1.0	8.5	5.7	3.0	0.0	18.8	5,287	
1990	2.3	0.0	30.1	0.7	7.9	0.0	4.1	20.3	5.6	0.5	24.3	0.0	2.2	0.0	2.0	1,009	19.2	3.8	37.4	1.0	9.4	5.7	2.9	0.0	20.6	5,263	
1991	2.3	0.0	30.0	0.7	8.1	0.0	4.0	20.6	5.6	0.5	24.1	0.0	2.2	0.0	2.0	1,014	20.2	4.1	33.4	1.0	10.3	5.7	3.1	0.0	22.2	5,031	
1992	2.3	0.0	29.1	0.7	9.1	0.0	4.0	20.9	5.6	0.5	23.8	0.0	2.2	0.0	2.0	1,022	21.4	4.4	29.3	1.1	11.0	5.8	3.2	0.0	23.9	4,785	
1993	2.2	0.0	28.5	0.7	9.5	0.0	4.0	21.1	5.5	0.5	23.3	0.0	2.2	0.5	1.9	1,041	22.8	4.6	26.1	1.1	11.6	6.0	3.3	0.0	24.5	4,575	
1994	2.2	0.0	28.3	0.7	9.4	0.0	4.3	21.0	5.3	0.5	23.2	0.0	2.2	0.5	2.4	1,048	24.0	4.8	21.8	1.2	12.3	6.5	3.5	0.0	26.0	4,364	
1995	2.2	0.0	28.2	0.7	9.4	0.0	4.6	21.0	5.3	0.5	23.1	0.0	2.2	0.5	2.4	1,050	23.6	4.7	21.4	1.9	12.3	6.9	3.4	0.0	25.7	4,447	

	Design Origin EU - Market Shares in Member States															Units EU	Design Origin EU - Market Shares in Zones										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	0.0	-	4.0	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	280	28.3	5.3	0.0	0.0	2.6	7.4	8.6	-	3.0	6.9	
1987	0.0	-	4.7	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	281	28.6	5.3	0.0	0.0	2.3	8.1	7.8	-	3.2	6.9	
1988	0.0	-	6.3	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	297	29.5	4.6	0.0	0.0	2.2	8.3	11.4	-	3.7	7.5	
1989	0.0	-	6.3	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	296	29.4	4.5	0.0	0.0	2.2	8.3	11.5	-	3.9	7.5	
1990	0.0	-	6.3	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	299	29.6	4.5	0.0	0.0	4.6	8.3	10.3	-	4.2	7.9	
1991	0.0	-	6.3	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	303	29.9	4.3	0.0	0.0	8.7	8.3	9.7	-	4.9	9.0	
1992	0.0	-	6.4	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	100.0	-	0.0	308	30.1	4.8	0.0	0.0	8.3	8.7	9.9	-	4.8	9.5	
1993	0.0	-	6.4	100.0	0.0	-	100.0	100.0	0.0	100.0	0.0	-	95.7	100.0	0.0	320	30.7	4.8	0.0	0.0	8.1	8.7	9.9	-	5.0	10.2	
1994	0.0	-	6.4	100.0	0.0	-	100.0	99.1	0.0	100.0	0.0	-	95.7	100.0	0.0	321	30.6	4.8	0.0	0.0	8.0	8.1	9.9	-	5.0	10.7	
1995	0.0	-	6.4	100.0	0.0	-	100.0	99.1	0.0	100.0	0.0	-	95.7	100.0	0.0	324	30.9	4.7	0.0	0.0	7.7	7.5	9.9	-	5.0	10.6	

	Design Origin EU - Distribution among Member States															Units EU	Design Origin EU - Distribution among Zones										Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	0.0	0.0	4.3	2.5	0.0	0.0	13.9	69.6	0.0	1.8	0.0	0.0	7.9	0.0	0.0	280	76.5	2.7	0.0	0.0	2.7	6.8	3.6	0.0	7.7	366	
1987	0.0	0.0	5.0	2.5	0.0	0.0	13.9	69.0	0.0	1.8	0.0	0.0	7.8	0.0	0.0	281	76.2	2.7	0.0	0.0	2.4	6.8	3.3	0.0	8.7	369	
1988	0.0	0.0	6.4	2.4	0.0	0.0	13.1	69.0	0.0	1.7	0.0	0.0	7.4	0.0	0.0	297	75.4	2.3	0.0	0.0	2.3	6.3	4.6	0.0	9.1	394	
1989	0.0	0.0	6.4	2.4	0.0	0.0	12.8	69.3	0.0	1.7	0.0	0.0	7.4	0.0	0.0	296	74.6	2.3	0.0	0.0	2.5	6.3	4.5	0.0	9.8	397	
1990	0.0	0.0	6.4	2.3	0.0	0.0	13.7	68.6	0.0	1.7	0.0	0.0	7.4	0.0	0.0	299	71.7	2.2	0.0	0.0	5.5	6.0	3.8	0.0	10.8	417	
1991	0.0	0.0	6.3	2.3	0.0	0.0	13.5	69.0	0.0	1.7	0.0	0.0	7.3	0.0	0.0	303	67.2	2.0	0.0	0.0	10.0	5.3	3.3	0.0	12.2	451	
1992	0.0	0.0	6.2	2.3	0.0	0.0	13.3	69.5	0.0	1.6	0.0	0.0	7.1	0.0	0.0	308	67.5	2.0	0.0	0.0	9.6	5.3	3.3	0.0	12.1	456	
1993	0.0	0.0	5.9	2.2	0.0	0.0	13.1	68.8	0.0	1.6	0.0	0.0	6.9	1.6	0.0	320	68.4	2.1	0.0	0.0	9.2	5.1	3.2	0.0	12.0	468	
1994	0.0	0.0	5.9	2.2	0.0	0.0	14.0	67.9	0.0	1.6	0.0	0.0	6.9	1.6	0.0	321	68.4	2.1	0.0	0.0	9.2	4.9	3.2	0.0	12.2	469	
1995	0.0	0.0	5.9	2.2	0.0	0.0	14.8	67.3	0.0	1.5	0.0	0.0	6.8	1.5	0.0	324	68.8	2.1	0.0	0.0	8.9	4.9	3.2	0.0	12.1	471	

Source: EUROCOPTER

TABLE 6.7

**WORLD MILITARY HELICOPTER FLEET**  
**Category: HEAVY**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1986	0.0%	0.9%	3.5%	1.2%	5.9%	1.0%	28.4%	41.9%	0.0%	0.0%	11.9%	0.0%	0.0%	1.7%	3.5%	573	13.8%	10.4%	33.0%	1.1%	4.9%	10.5%	6.0%	1.4%	18.8%	4,152
1987	0.0%	0.9%	3.4%	1.2%	6.1%	1.2%	28.2%	40.3%	0.0%	0.0%	13.6%	0.0%	0.0%	1.7%	3.4%	588	13.2%	9.9%	33.7%	1.0%	5.1%	11.6%	5.6%	1.3%	18.6%	4,438
1988	0.0%	0.8%	3.2%	1.1%	7.9%	1.1%	27.5%	39.7%	0.0%	0.0%	13.5%	0.0%	0.0%	1.6%	3.5%	629	13.6%	9.5%	34.5%	1.0%	4.9%	11.6%	5.4%	1.3%	18.4%	4,631
1989	0.0%	0.8%	3.1%	1.2%	8.5%	1.1%	28.1%	38.6%	0.0%	0.0%	13.6%	0.0%	0.0%	1.6%	3.4%	645	13.3%	9.8%	35.4%	0.9%	4.9%	11.2%	4.9%	1.2%	18.2%	4,835
1990	0.0%	0.7%	8.9%	1.2%	8.4%	1.0%	27.3%	33.2%	0.0%	0.0%	13.3%	0.0%	0.0%	1.5%	4.4%	675	13.6%	7.5%	36.9%	0.9%	5.3%	11.2%	4.8%	1.2%	18.6%	4,958
1991	0.0%	0.7%	8.7%	1.2%	8.5%	1.0%	27.0%	32.0%	0.0%	0.0%	15.2%	0.0%	0.0%	1.4%	4.3%	693	13.5%	7.5%	37.5%	0.9%	5.2%	11.0%	4.6%	1.1%	18.7%	5,130
1992	0.0%	0.8%	9.0%	1.2%	8.6%	1.1%	28.6%	30.9%	0.0%	0.0%	15.8%	0.0%	0.0%	1.5%	2.6%	664	12.7%	8.0%	37.9%	0.8%	5.1%	10.8%	4.6%	1.1%	19.0%	5,228
1993	0.0%	0.8%	9.1%	1.2%	8.6%	1.1%	28.7%	29.0%	1.5%	0.0%	15.9%	0.0%	0.0%	1.5%	2.6%	661	12.3%	8.2%	37.9%	0.8%	5.0%	10.8%	4.4%	1.1%	19.5%	5,393
1994	0.0%	0.8%	9.0%	1.2%	8.6%	1.1%	28.6%	28.9%	2.0%	0.0%	15.8%	0.0%	0.0%	1.5%	2.7%	665	12.0%	8.0%	38.5%	0.8%	5.1%	10.6%	4.3%	1.1%	19.6%	5,522
1995	0.0%	0.7%	8.9%	1.2%	8.5%	1.0%	29.1%	28.6%	1.9%	0.0%	15.6%	0.0%	0.0%	1.5%	2.8%	671	12.0%	8.0%	37.8%	0.7%	5.0%	12.0%	4.3%	1.0%	19.1%	5,608
Design Origin EU - Market Shares in Member States																	Design Origin EU - Market Shares in Zones									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1986	-	0.0%	0.0%	0.0%	50.0%	0.0%	100.0%	17.5%	-	-	0.0%	-	-	100.0%	0.0%	40.5%	13.2%	0.0%	0.0%	23.2%	11.9%	32.7%	100.0%	10.1%	14.6%	
1987	-	0.0%	0.0%	0.0%	52.8%	0.0%	100.0%	17.7%	-	-	0.0%	-	-	100.0%	0.0%	40.3%	15.0%	0.0%	0.0%	23.1%	12.1%	32.3%	100.0%	10.6%	14.5%	
1988	-	0.0%	0.0%	0.0%	54.0%	0.0%	100.0%	16.8%	-	-	0.0%	-	-	100.0%	9.1%	40.4%	14.9%	0.0%	0.0%	23.6%	11.8%	34.4%	100.0%	10.8%	14.5%	
1989	-	0.0%	0.0%	0.0%	58.2%	0.0%	100.0%	16.9%	-	-	0.0%	-	-	100.0%	9.1%	41.4%	13.9%	0.0%	0.0%	23.4%	10.9%	33.9%	100.0%	10.2%	14.0%	
1990	-	0.0%	0.0%	0.0%	59.6%	0.0%	100.0%	18.8%	-	-	0.0%	-	-	100.0%	33.3%	41.5%	17.7%	0.0%	0.0%	22.2%	12.1%	34.9%	100.0%	9.8%	14.2%	
1991	-	0.0%	0.0%	0.0%	61.0%	0.0%	100.0%	18.5%	-	-	0.0%	-	-	100.0%	33.3%	41.0%	17.8%	0.0%	0.0%	23.1%	13.1%	34.0%	100.0%	9.3%	14.0%	
1992	-	0.0%	0.0%	0.0%	68.4%	0.0%	100.0%	19.5%	-	-	0.0%	-	-	100.0%	58.8%	43.5%	18.4%	0.0%	0.0%	23.8%	12.8%	33.6%	100.0%	9.7%	14.1%	
1993	-	0.0%	0.0%	0.0%	68.4%	0.0%	100.0%	20.8%	0.0%	-	0.0%	-	-	100.0%	58.8%	43.7%	14.0%	0.0%	0.0%	23.7%	13.7%	33.9%	100.0%	9.8%	13.7%	
1994	-	0.0%	0.0%	0.0%	68.4%	0.0%	100.0%	20.8%	0.0%	-	0.0%	-	-	100.0%	61.1%	43.6%	14.0%	0.0%	0.0%	23.8%	14.0%	34.0%	100.0%	9.3%	13.4%	
1995	-	0.0%	0.0%	0.0%	68.4%	0.0%	100.0%	20.8%	0.0%	-	0.0%	-	-	100.0%	63.2%	44.1%	15.4%	0.0%	0.0%	23.0%	12.2%	34.9%	100.0%	9.4%	13.5%	
Design Origin EU - Distribution among Member States																	Design Origin EU - Distribution among Zones									
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	Units EU	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	0.0%	0.0%	0.0%	0.0%	7.3%	0.0%	70.3%	18.1%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	232	38.2%	9.4%	0.0%	0.0%	7.7%	8.6%	13.5%	9.7%	13.0%	608
1987	0.0%	0.0%	0.0%	0.0%	8.0%	0.0%	70.0%	17.7%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	237	36.9%	10.3%	0.0%	0.0%	8.1%	9.6%	12.4%	9.2%	13.5%	643
1988	0.0%	0.0%	0.0%	0.0%	10.6%	0.0%	68.1%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	0.8%	254	37.8%	9.8%	0.0%	0.0%	7.9%	9.4%	12.8%	8.6%	13.7%	672
1989	0.0%	0.0%	0.0%	0.0%	12.0%	0.0%	67.8%	15.7%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.7%	267	39.4%	9.7%	0.0%	0.0%	8.3%	8.7%	12.0%	8.6%	13.3%	677
1990	0.0%	0.0%	0.0%	0.0%	12.1%	0.0%	65.7%	15.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	3.6%	280	39.9%	9.4%	0.0%	0.0%	8.3%	9.5%	11.8%	8.3%	12.8%	702
1991	0.0%	0.0%	0.0%	0.0%	12.7%	0.0%	65.8%	14.4%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	284	39.7%	9.5%	0.0%	0.0%	8.7%	10.3%	11.3%	8.1%	12.4%	716
1992	0.0%	0.0%	0.0%	0.0%	13.5%	0.0%	65.7%	13.8%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	289	39.3%	10.5%	0.0%	0.0%	8.7%	9.8%	10.9%	7.9%	13.0%	736
1993	0.0%	0.0%	0.0%	0.0%	13.5%	0.0%	65.7%	13.8%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	289	39.2%	8.4%	0.0%	0.0%	8.7%	10.9%	11.0%	7.9%	14.0%	737
1994	0.0%	0.0%	0.0%	0.0%	13.4%	0.0%	65.5%	13.8%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	3.8%	290	39.1%	8.4%	0.0%	0.0%	9.0%	11.1%	10.9%	7.8%	13.6%	741
1995	0.0%	0.0%	0.0%	0.0%	13.2%	0.0%	65.9%	13.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	4.1%	296	39.2%	9.1%	0.0%	0.0%	8.6%	10.9%	11.1%	7.7%	13.4%	755

Source: EUROCOPTER

TABLE 6.8

**WORLD MILITARY HELICOPTER FLEET**  
Category: VERY HEAVY  
(Units at Year-end)

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	
1986	0.0%	0.0%	50.7%	0.0%	6.5%	0.0%	8.8%	16.3%	4.7%	0.0%	13.0%	0.0%	0.0%	0.0%	0.0%	215	17.3%	0.0%	61.9%	0.6%	1.4%	12.4%	1.6%	1.1%	3.9%	1,246
1987	0.0%	0.0%	49.5%	0.0%	8.2%	0.0%	8.6%	15.5%	4.5%	0.0%	13.6%	0.0%	0.0%	0.0%	0.0%	220	17.4%	0.0%	61.5%	0.6%	1.3%	11.8%	1.6%	1.1%	4.6%	1,261
1988	0.0%	0.0%	50.0%	0.0%	8.3%	0.0%	8.7%	15.1%	4.1%	0.0%	13.8%	0.0%	0.0%	0.0%	0.0%	218	17.1%	0.0%	61.8%	0.5%	1.3%	11.4%	1.6%	1.1%	5.2%	1,274
1989	0.0%	0.0%	50.2%	0.0%	8.3%	0.0%	8.3%	15.2%	4.1%	0.0%	13.8%	0.0%	0.0%	0.0%	0.0%	217	16.9%	0.0%	62.5%	0.5%	0.8%	11.3%	1.6%	1.1%	5.4%	1,286
1990	0.0%	0.0%	50.5%	0.0%	8.3%	0.0%	7.9%	15.3%	4.2%	0.0%	13.9%	0.0%	0.0%	0.0%	0.0%	214	16.6%	0.0%	62.9%	0.5%	0.8%	11.0%	1.5%	0.0%	6.7%	1,302
1991	0.0%	0.0%	50.5%	0.0%	8.3%	0.0%	7.9%	15.3%	4.2%	0.0%	13.9%	0.0%	0.0%	0.0%	0.0%	214	16.4%	0.0%	62.7%	0.0%	0.8%	10.8%	1.5%	0.0%	7.9%	1,320
1992	0.0%	0.0%	50.5%	0.0%	8.3%	0.0%	7.9%	15.3%	4.2%	0.0%	13.9%	0.0%	0.0%	0.0%	0.0%	216	16.1%	0.0%	62.4%	0.0%	0.7%	10.6%	1.5%	0.0%	8.7%	1,342
1993	0.0%	0.0%	48.9%	0.0%	8.1%	0.0%	7.6%	14.8%	4.0%	0.0%	13.5%	0.0%	3.1%	0.0%	0.0%	223	16.3%	0.0%	62.0%	0.0%	0.7%	10.4%	1.5%	0.0%	9.1%	1,367
1994	0.0%	0.0%	48.9%	0.0%	8.1%	0.0%	7.6%	14.8%	4.0%	0.0%	13.5%	0.0%	3.1%	0.0%	0.0%	223	16.2%	0.0%	62.1%	0.0%	0.7%	10.3%	1.5%	0.0%	9.3%	1,378
1995	0.0%	0.0%	49.5%	0.0%	8.2%	0.0%	6.4%	15.0%	4.1%	0.0%	13.6%	0.0%	3.2%	0.0%	0.0%	220	15.9%	0.0%	61.7%	0.0%	0.9%	10.3%	1.4%	0.0%	9.8%	1,385
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1986	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	8.8%	-	0.0%	0.0%	0.0%	18.8%	5.0%	100.0%	20.8%	5.9%	
1987	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	8.6%	-	0.0%	0.0%	0.0%	18.1%	5.0%	100.0%	17.2%	5.6%	
1988	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	8.7%	-	0.0%	0.0%	0.0%	18.6%	5.0%	100.0%	15.2%	5.6%	
1989	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	8.3%	-	0.0%	0.0%	0.0%	18.6%	5.0%	100.0%	14.5%	5.4%	
1990	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	7.9%	-	0.0%	0.0%	0.0%	18.9%	5.0%	-	11.5%	4.2%	
1991	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	7.9%	-	0.0%	-	0.0%	11.3%	5.0%	-	9.6%	3.3%	
1992	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	-	-	-	7.9%	-	0.0%	-	0.0%	11.3%	5.0%	-	8.5%	3.3%	
1993	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	0.0%	-	-	7.6%	-	0.0%	-	0.0%	11.3%	5.0%	-	8.0%	3.2%	
1994	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	0.0%	-	-	7.6%	-	0.0%	-	0.0%	11.3%	5.0%	-	7.8%	3.2%	
1995	-	-	0.0%	-	0.0%	-	100.0%	0.0%	0.0%	-	0.0%	-	0.0%	-	-	6.4%	-	0.0%	-	0.0%	11.3%	5.0%	-	7.4%	3.0%	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1986	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19	26.0%	0.0%	0.0%	0.0%	0.0%	39.7%	1.4%	19.2%	13.7%	73
1987	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19	26.8%	0.0%	0.0%	0.0%	0.0%	38.0%	1.4%	19.7%	14.1%	71
1988	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19	26.8%	0.0%	0.0%	0.0%	0.0%	38.0%	1.4%	19.7%	14.1%	71
1989	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18	25.7%	0.0%	0.0%	0.0%	0.0%	38.6%	1.4%	20.0%	14.3%	70
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17	30.9%	0.0%	0.0%	0.0%	0.0%	49.1%	1.8%	0.0%	18.2%	55
1991	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17	38.6%	0.0%	0.0%	0.0%	0.0%	36.4%	2.3%	0.0%	22.7%	44
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17	38.6%	0.0%	0.0%	0.0%	0.0%	36.4%	2.3%	0.0%	22.7%	44
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17	38.6%	0.0%	0.0%	0.0%	0.0%	36.4%	2.3%	0.0%	22.7%	44
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17	38.6%	0.0%	0.0%	0.0%	0.0%	36.4%	2.3%	0.0%	22.7%	44
1995	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14	34.1%	0.0%	0.0%	0.0%	0.0%	39.0%	2.4%	0.0%	24.4%	41

Source: EUROCOPTER

TABLE 6.9

**WORLD MILITARY HELICOPTER FLEET**  
**Category: ATTACK**  
**(Units at Year-end)**

	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1986	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4	0.2%	5.8%	62.3%	0.0%	2.0%	13.6%	6.2%	0.0%	9.9%	2,138
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0%	6.3%	64.8%	0.0%	1.7%	11.9%	5.2%	0.0%	10.1%	2,308
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0%	6.6%	65.8%	0.0%	1.6%	10.8%	5.3%	0.0%	9.9%	2,470
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.0%	7.7%	65.5%	0.0%	1.5%	10.2%	4.8%	0.0%	10.3%	2,679
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	5	0.2%	6.5%	66.4%	0.0%	1.4%	10.0%	4.6%	0.0%	10.9%	2,782
1991	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	10	0.3%	6.3%	65.8%	0.0%	1.4%	10.1%	4.4%	0.0%	11.6%	2,885
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	15	0.5%	6.5%	64.7%	0.0%	1.4%	10.2%	4.5%	0.0%	12.2%	2,857
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	21	0.7%	7.6%	61.0%	0.0%	1.4%	11.7%	4.5%	0.0%	13.1%	2,840
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	30	1.1%	7.6%	59.3%	0.0%	1.4%	13.0%	4.5%	0.0%	13.2%	2,844
1995	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.0%	0.0%	60.0%	0.0%	0.0%	0.0%	0.0%	50	1.7%	7.5%	58.3%	0.0%	1.3%	13.7%	4.4%	0.0%	13.0%	2,889
	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1986	-	-	-	-	0.0%	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	
1990	-	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	100.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.2%	
1991	-	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	100.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.3%	
1992	-	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	100.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.5%	
1993	-	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	100.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.7%	
1994	-	-	-	-	-	-	-	-	-	-	100.0%	-	-	-	-	100.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	1.1%	
1995	-	-	-	-	-	-	-	-	0.0%	-	100.0%	-	-	-	-	60.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	1.0%	
	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World	
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	5	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5	
1991	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	10	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10	
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	15	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15	
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	21	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	21	
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	30	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30	
1995	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	30	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30	

Source: EUROCOPTER

TABLE 6.10

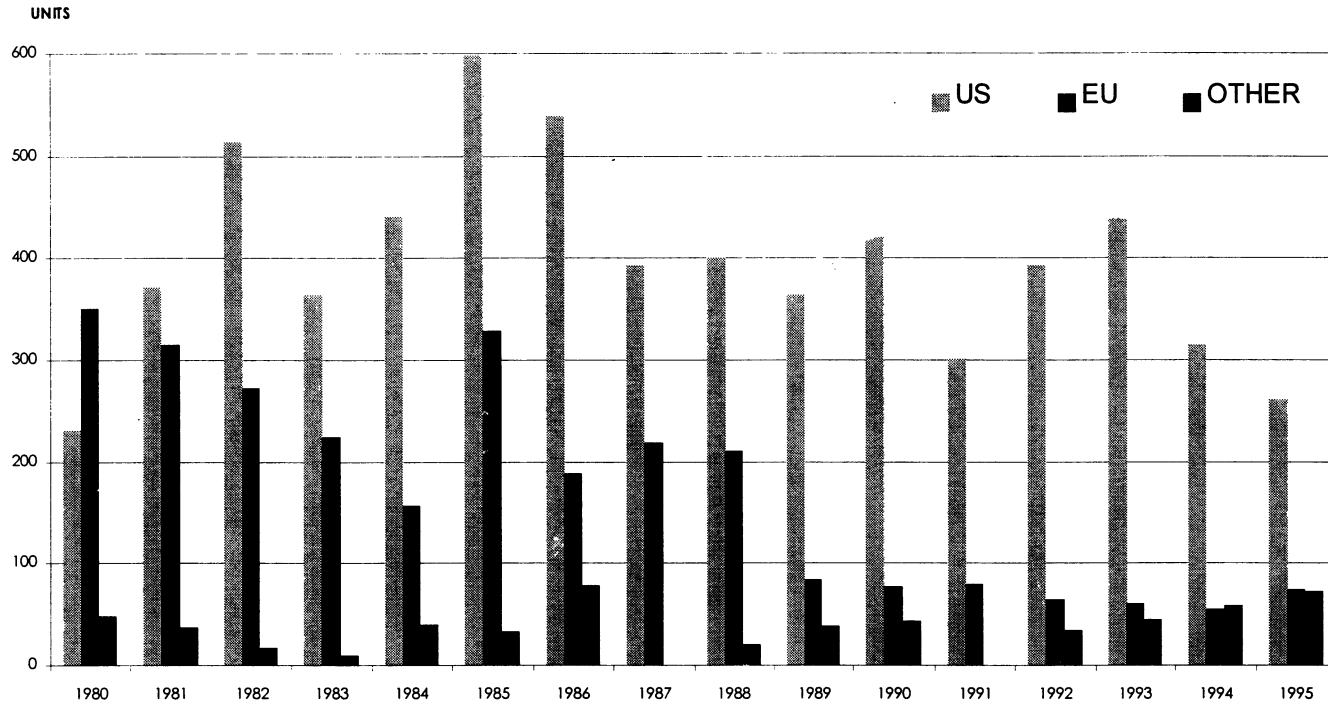
**WORLD MILITARY HELICOPTER ORDERS**  
All Categories  
(Units at Year-end)

Year	Member State Breakdown in % of EU Total															Units EU	Geographical Breakdown - % of World Total									Units World
	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE		EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	
1986	0.0%	0.0%	3.9%	0.8%	14.0%	0.0%	17.8%	10.9%	0.0%	0.0%	51.2%	0.0%	0.0%	0.0%	1.6%	129	16.0%	2.2%	38.7%	0.0%	4.6%	2.5%	2.5%	0.0%	33.6%	807
1987	0.0%	0.0%	0.0%	8.0%	0.0%	0.0%	19.8%	4.3%	0.0%	0.0%	53.1%	0.0%	0.0%	0.0%	14.8%	162	26.5%	1.1%	41.5%	0.0%	4.1%	7.7%	0.2%	0.0%	19.0%	612
1988	0.0%	47.4%	0.0%	0.0%	0.0%	0.0%	27.8%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.2%	97	15.3%	0.9%	38.1%	0.0%	12.8%	6.5%	1.3%	0.0%	25.0%	632
1989	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	91.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24	4.9%	0.4%	43.1%	0.0%	17.5%	7.2%	1.2%	0.0%	25.7%	487
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	73.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.3%	0.0%	19	3.5%	7.6%	34.4%	0.0%	5.0%	7.4%	1.8%	0.0%	40.3%	543
1991	0.0%	0.0%	0.0%	0.0%	17.9%	0.0%	16.4%	65.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	67	17.5%	1.0%	50.5%	0.0%	2.9%	11.5%	1.8%	0.0%	14.7%	382
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.3%	20.7%	58.6%	0.0%	0.0%	0.0%	10.3%	0.0%	0.0%	29	5.9%	16.7%	31.7%	0.0%	9.1%	5.3%	2.2%	0.0%	29.1%	492
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.8%	8.1%	0.0%	0.0%	0.0%	0.0%	62.2%	0.0%	18.9%	37	6.8%	4.0%	43.1%	18.3%	4.0%	1.1%	0.0%	0.7%	21.8%	545
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	70.4%	0.0%	29.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	27	6.3%	7.9%	32.2%	0.0%	10.5%	6.3%	9.8%	0.0%	27.0%	429
1995	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	2.3%	60.2%	0.0%	0.0%	18.1%	0.0%	17.5%	0.0%	0.0%	171	41.8%	4.6%	24.0%	0.0%	0.0%	5.1%	1.2%	0.0%	23.2%	409
Year	Design Origin EU - Market Shares in Member States															Design Origin EU - Market Shares in Zones										
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1986	-	-	100.0%	100.0%	100.0%	-	100.0%	0.0%	-	-	1.5%	-	-	-	100.0%	38.8%	0.0%	0.0%	-	32.4%	90.0%	100.0%	-	1.5%	12.9%	
1987	-	-	-	100.0%	-	-	100.0%	0.0%	-	-	80.2%	-	-	-	100.0%	85.2%	100.0%	0.0%	-	28.0%	42.6%	100.0%	-	19.0%	31.9%	
1988	-	100.0%	-	-	-	-	100.0%	100.0%	-	-	-	-	-	-	100.0%	100.0%	0.0%	0.0%	-	75.3%	63.4%	50.0%	-	14.6%	33.4%	
1989	-	-	-	-	100.0%	-	100.0%	-	-	-	-	-	-	-	-	100.0%	100.0%	50.0%	0.0%	-	23.5%	22.9%	16.7%	-	18.4%	15.8%
1990	-	-	-	-	-	-	100.0%	-	-	-	-	-	-	100.0%	-	100.0%	29.3%	0.0%	-	33.3%	22.5%	20.0%	-	5.5%	11.6%	
1991	-	-	-	-	33.3%	-	100.0%	100.0%	-	-	-	-	-	-	-	88.1%	0.0%	0.0%	-	81.8%	0.0%	71.4%	-	12.5%	20.9%	
1992	-	-	-	-	-	-	100.0%	0.0%	0.0%	-	-	-	0.0%	-	-	10.3%	0.0%	0.0%	-	73.3%	23.1%	18.2%	-	8.4%	11.4%	
1993	-	-	-	-	-	-	100.0%	0.0%	-	-	-	-	73.9%	-	28.6%	62.2%	90.9%	0.0%	0.0%	-	4.5%	0.0%	-	0.0%	3.4%	8.8%
1994	-	-	-	-	-	-	100.0%	-	0.0%	-	-	-	-	-	-	70.4%	0.0%	0.0%	-	24.4%	0.0%	11.9%	-	0.0%	8.2%	
1995	-	-	100.0%	-	-	-	100.0%	21.4%	-	-	100.0%	-	0.0%	-	-	35.1%	0.0%	0.0%	-	-	19.0%	100.0%	-	3.2%	17.6%	
Year	Design Origin EU - Distribution among Member States															Design Origin EU - Distribution among Zones										
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Austral- asia	World	
1986	0.0%	0.0%	10.0%	2.0%	36.0%	0.0%	46.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	4.0%	50	48.1%	0.0%	0.0%	0.0%	11.5%	17.3%	19.2%	0.0%	3.8%	104
1987	0.0%	0.0%	0.0%	9.4%	0.0%	0.0%	23.2%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	17.4%	138	70.8%	3.6%	0.0%	0.0%	3.6%	10.3%	0.5%	0.0%	11.3%	195
1988	0.0%	47.4%	0.0%	0.0%	0.0%	0.0%	27.8%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.2%	97	46.0%	0.0%	0.0%	0.0%	28.9%	12.3%	1.9%	0.0%	10.9%	211
1989	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	91.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24	31.2%	1.3%	0.0%	0.0%	26.0%	10.4%	1.3%	0.0%	29.9%	77
1990	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	73.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.3%	0.0%	19	30.2%	19.0%	0.0%	0.0%	14.3%	14.3%	3.2%	0.0%	19.0%	63
1991	0.0%	0.0%	0.0%	0.0%	6.8%	0.0%	18.6%	74.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	59	73.8%	0.0%	0.0%	0.0%	11.3%	0.0%	6.3%	0.0%	8.8%	80
1992	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3	5.4%	0.0%	0.0%	0.0%	58.9%	10.7%	3.6%	0.0%	21.4%	56
1993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.4%	0.0%	0.0%	0.0%	0.0%	0.0%	73.9%	0.0%	8.7%	23	47.9%	41.7%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	8.3%	48
1994	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19	54.3%	0.0%	0.0%	0.0%	31.4%	0.0%	14.3%	0.0%	0.0%	35
1995	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	6.7%	36.7%	0.0%	0.0%	51.7%	0.0%	0.0%	0.0%	0.0%	60	83.3%	0.0%	0.0%	0.0%	0.0%	5.6%	6.9%	0.0%	4.2%	72

Source: EUROCOPTER

CHART 6.1

ANNUAL MILITARY HELICOPTER ORDERS TO WORLD MARKET  
BY DESIGN ORIGIN



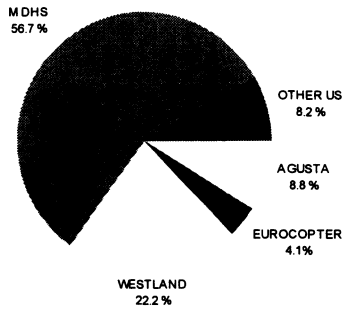
Source: EUROCOPTER



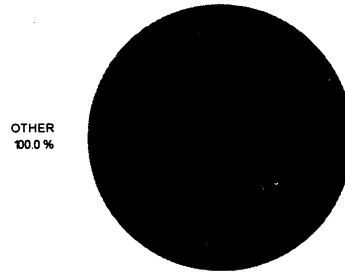
CHART 6.2

1995 SHARE OF MILITARY ORDERS BY MANUFACTURER

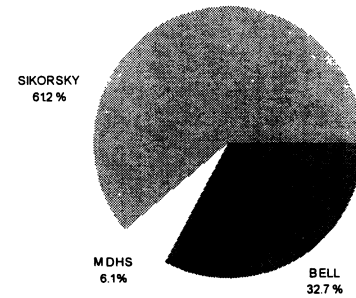
EU MARKET



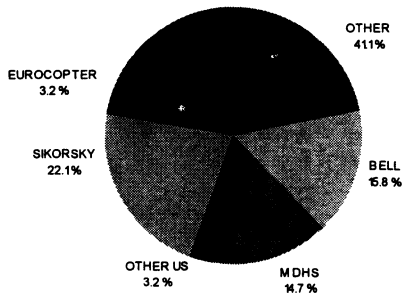
OTHER EUROPEAN MARKET



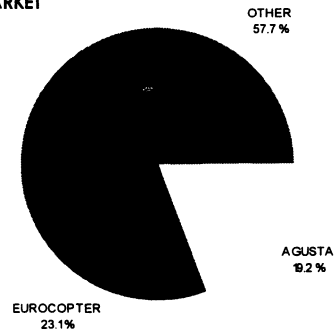
NORTH AMERICAN MARKET



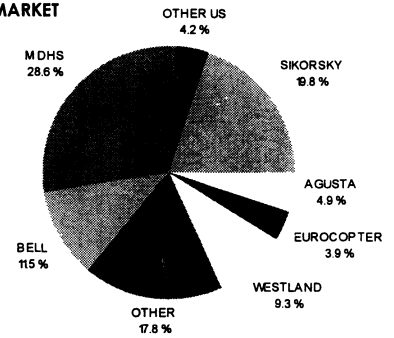
ASIAN & AUSTRALASIAN MARKET



OTHER MARKET



WORLD MARKET



Source: EUROCOPTER

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## *Chapter 7*

# **Military Turbine Engines**



Data on military turbine engines are provided by the Institute for Defense and Disarmament Studies<sup>1</sup>. The data are adapted from the annual *IDDS Almanac, Vol 1: World Military Aircraft Holdings, Production, and Trade*, which gives detailed estimates by aircraft type and country of production, acquisition, and trade from 1972 to the present and projected to 2010.

The engine statistics relate to the aircraft in service as presented in Chapter 5, and the number of engines per type of aircraft as well as the fact that some engines, although having the same name, have different thrusts for different types of aircraft. Data does not include an allowance for spare engines that may be in circulation.

Military engines are broken down according to type of engine, take-off thrust<sup>2</sup>, design origin, manufacturer and geographical area.

### Engine categories

- Turbofan > 140 kN
- Turbofan 70 - 140 kN
- Turbofan 30 - 70 kN
- Turbofan < 30 kN
- Turbojet > 140 kN
- Turbojet 70 - 140 kN
- Turbojet 30 - 70 kN
- Turbojet < 30 kN
- Turboprop
- Turboshaft

Design origin EU comprises all engines designed/developed (within the EU area or elsewhere) with EU industry participation. Design origin does not necessarily reflect the country of production and/or assembly.

Manufacturer reflects the company that has produced/assembled the engine. This does not necessarily reflect the design origin.

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<sup>1</sup> IDDS, 675 Massachusetts Ave, Cambridge MA 02139, USA, tel: 617 / 354-3447; fax: 617 / 354-1450, email: almanac@ids.org

<sup>2</sup> Maximum thrust, including reheat where applicable

## Geographical areas

• **EU:** Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom • **Other Europe:** Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Georgia, Hungary, Iceland, Latvia, Lithuania, Malta, Republic of Moldova, Norway, Poland, Romania, Russian Federation, Serbia and Montenegro, Slovakia, Switzerland, Turkey, Ukraine

• **USA • Canada • Latin America:** Argentina, Bahamas, Belize, Bolivia, Brazil, Chile, Colombia, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay, Venezuela

• **Middle East:** Bahrain, Iran, Islamic Republic of Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, United Arab Emirates, Yemen • **Africa:** Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Djibouti, Egypt, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Libyan Arab Jamahiriya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Somalia, Sudan, Tanzania, Togo, Tunisia, Uganda, Zaire, Zambia, Zimbabwe

• **Republic of South Africa • Asia and Australasia:** Afghanistan, Australia, Bangladesh, Brunei Darussalam, Cambodia, China, India, Indonesia, Japan, Kazakhstan, Democratic People's Republic of Korea, Republic of Korea, Kyrgyzstan, Laos People's Democratic Republic, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Pakistan, Papua New Guinea, Philippines, Singapore, Sri Lanka, Taiwan Province of China, Thailand, Turkmenistan, Uzbekistan, Viet Nam.

The engines included are listed opposite.

## TURBINE AIRCRAFT ENGINES IN MILITARY SERVICE

TURBOFANS			TURBOJETS		
Design origin EU	Design origin USA	Design origin Other	Design origin EU	Design origin USA	Design origin Other
<b>CFM Int'l</b>	<b>ALLIEDSIGNAL (GARRETT)</b>	<b>AVIADVIGATEL (SOLOVIEV)</b>	<b>DE HAVILLAND</b>	<b>ALLISON</b>	<b>INSTYTUT LOTNICIWA</b>
CFM-56 <sup>1</sup>	ATF3	D20	DH Ghost	J33	SO-3
<b>ROLLS-ROYCE</b>	TFE731	D30	DH Goblin	<b>CURTISS-WRIGHT</b>	<b>KLIMOV</b>
Pegasus	TFE1042	<b>IHI</b>	<b>ROLLS-ROYCE</b>	J65	VK-1
Spey	<b>GENERAL ELECTRIC</b>	F-3	Avon (incl. RM6C)	<b>GENERAL ELECTRIC</b>	<b>LIYANG MACHINERY CORP.</b>
Tay	CF6	<b>KKBM (KUZNETOV)</b>	Orpheus	CJ610	WP13
<b>R-R / SNECMA</b>	CF700	NK-8	Viper	J47	<b>RKBM (DOBRYNIN)</b>
M45	F101, F103, F110, F118	NK-22	R Co 17, R Co 42	J79	VD-7
<b>R-R / TURBOMECA</b>	F404, F414	<b>KLIMOV</b>	Nene	J85	<b>SATURN (LYULKA)</b>
Adour	TF34, TF39	RD-33	Olympus Mk 201	<b>PRATT &amp; WHITNEY</b>	AL-7F
<b>SNECMA</b>	<b>PRATT &amp; WHITNEY</b>	<b>P&amp;W CANADA</b>	<b>SNECMA</b>	J52	AL-21F
M53	F100, F117	PW530	Atar	J57	<b>SOYUZ (MIKULIN)</b>
<b>SNECMA / TURBOMECA</b>	JT1	JT15D	<b>TURBOMECA</b>	J75	AM-3
Larzac	JT3D	<b>SAMARA (TRUD)</b>	Marbore	JT8D-1	RD-3
<b>TURBOMECA</b>	JT8D (incl. RM8B)	NK-321		JT11	<b>SOYUZ (TUMANSKY)</b>
Aubisque	JT9D	<b>SATURN (LYULKA)</b>		JT12 (J60)	RD9
<b>TURBO-UNION</b>	TF30, TF33	AL-31F		<b>TELEDYNE CCNTINENTAL</b>	R11
RB-199	<b>TEXTRON (AVCO LYCOMING)</b>	<b>ZMKB (IVCHENKO)</b>		J69	R13
	ALF502	A1-25			R19
		D-18			R25
		D-36			R31
		DV-2			<b>WALTER (MOTORLET)</b>
					M701
					<b>WSK-PZL RZESZOW</b>
					PZL-5

1) Joint EU / USA design (US military designation F108)

TURBOPROPS			TURBOSHAFTS
Design origin EU	Design origin USA	Design origin Other	Design origin USA
<b>ROLLS-ROYCE</b>	<b>ALLIED SIGNAL (GARRETT)</b>	<b>GLUSHENKOV</b>	<b>ALLISON</b>
Dart	TPE331 (T76)	TVD-10	250 (T63)
Tyne	<b>ALLISON</b>	<b>KKBM (KUZNETSOV)</b>	
<b>TURBOMECA</b>	250	NK-12	
Aslazou	501 (T56)	<b>P&amp;W CANADA</b>	
Bastan	<b>GENERAL ELECTRIC</b>	PT-6A	
Turmo	CT7	PW115	
	T64	PW120	
	<b>TEXTRON (AVCO LYCOMING)</b>	PW127	
	T-53	<b>ZMKB (IVCHENKO)</b>	
		A1-20	
		A1-24	
		D-27	

TABLE 7.1

## MILITARY TURBINE ENGINES INVENTORY

Category: Turbofan &gt; 140 kN

<i>Units in Service at Year-end</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	0.0 %	46.9 %	49.2 %	0.0 %	0.0 %	3.9 %	0.0 %	0.0 %	0.0 %	725
1987	0.0 %	64.4 %	33.9 %	0.0 %	0.0 %	1.7 %	0.0 %	0.0 %	0.0 %	1,674
1992	0.0 %	69.4 %	26.3 %	0.0 %	0.1 %	1.6 %	0.0 %	0.0 %	2.6 %	2,728
1993	0.2 %	67.7 %	27.8 %	0.0 %	0.1 %	1.5 %	0.0 %	0.0 %	2.7 %	2,654
1994	0.4 %	65.5 %	29.2 %	0.4 %	0.3 %	1.5 %	0.0 %	0.0 %	2.7 %	2,634
1995	0.5 %	57.0 %	36.5 %	0.5 %	0.3 %	1.8 %	0.0 %	0.0 %	3.4 %	2,164
1996	0.8 %	57.7 %	37.8 %	0.5 %	0.3 %	2.4 %	0.0 %	0.0 %	0.5 %	2,128
<i>Design Origin EU - % Share of Total</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	-	0.0 %	0.0 %	-	-	0.0 %	-	-	-	0.0 %
1987	-	0.0 %	0.0 %	-	-	0.0 %	-	-	-	0.0 %
1992	-	0.0 %	0.0 %	-	0.0 %	0.0 %	-	-	0.0 %	0.0 %
1993	0.0 %	0.0 %	0.0 %	-	0.0 %	0.0 %	-	-	0.0 %	0.0 %
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %
1996	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7.7 %	-	-	0.0 %	0.2 %

Source: IDDS Almanac 1997



TABLE 7.2

## MILITARY TURBINE ENGINES INVENTORY

## Category: Turbofan 70-140 kN

<i>Units in Service at Year-end</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	9.3 %	8.5 %	72.0 %	0.3 %	0.1 %	6.9 %	0.8 %	0.0 %	2.2 %	7,435
1987	13.1 %	16.8 %	56.8 %	1.8 %	0.7 %	5.5 %	1.1 %	0.1 %	4.1 %	13,208
1992	13.2 %	28.6 %	42.1 %	1.3 %	0.8 %	6.0 %	0.9 %	0.1 %	7.0 %	21,201
1993	13.7 %	28.6 %	41.0 %	1.3 %	1.0 %	6.3 %	1.2 %	0.1 %	7.1 %	21,280
1994	14.5 %	27.0 %	40.6 %	1.3 %	0.8 %	6.7 %	1.4 %	0.1 %	7.5 %	20,468
1995	15.0 %	25.8 %	40.6 %	1.3 %	0.9 %	7.1 %	1.5 %	0.1 %	7.7 %	20,076
1996	15.2 %	25.6 %	39.5 %	1.3 %	0.9 %	7.6 %	1.6 %	0.1 %	8.3 %	19,338
<i>Design Origin EU - % Share of Total</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	44.8 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	-	0.0 %	5.0 %
1987	62.5 %	0.0 %	1.8 %	0.0 %	0.0 %	4.9 %	9.9 %	0.0 %	9.1 %	9.9 %
1992	62.6 %	0.0 %	2.9 %	0.0 %	6.8 %	14.8 %	9.9 %	0.0 %	4.7 %	10.8 %
1993	64.3 %	0.0 %	3.0 %	0.0 %	5.9 %	14.2 %	7.8 %	0.0 %	4.6 %	11.4 %
1994	63.4 %	0.0 %	3.3 %	0.0 %	7.0 %	13.2 %	6.8 %	0.0 %	4.3 %	11.9 %
1995	63.4 %	0.0 %	3.3 %	0.0 %	7.0 %	12.5 %	6.1 %	0.0 %	3.9 %	12.2 %
1996	63.4 %	0.0 %	3.4 %	0.0 %	10.5 %	12.9 %	6.3 %	0.0 %	2.9 %	12.4 %

Source: IDDS Almanac 1997

TABLE 7.3

## MILITARY TURBINE ENGINES INVENTORY

Category: Turbofan 30-70 kN

<i>Units in Service at Year-end</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	25.5 %	0.5 %	62.7 %	0.0 %	1.3 %	0.9 %	1.1 %	0.3 %	7.7 %	<b>4,047</b>
1987	18.5 %	1.1 %	61.6 %	0.4 %	1.1 %	1.9 %	1.9 %	0.2 %	13.2 %	<b>4,458</b>
1992	24.0 %	3.1 %	44.6 %	1.5 %	2.4 %	2.8 %	2.1 %	0.0 %	19.4 %	<b>3,303</b>
1993	25.9 %	3.3 %	42.3 %	1.5 %	2.4 %	2.5 %	2.3 %	0.0 %	19.9 %	<b>3,223</b>
1994	25.6 %	3.4 %	43.1 %	1.4 %	2.8 %	2.7 %	2.5 %	0.0 %	18.4 %	<b>3,115</b>
1995	24.4 %	3.2 %	42.1 %	1.5 %	3.2 %	2.7 %	2.5 %	0.0 %	20.5 %	<b>3,148</b>
1996	24.8 %	3.1 %	41.6 %	1.0 %	3.8 %	2.5 %	2.6 %	0.0 %	20.6 %	<b>3,146</b>
<i>Design Origin EU - % Share of Total</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	82.4 %	0.0 %	30.1 %	-	69.2 %	68.6 %	48.9 %	100.0 %	96.2 %	49.6 %
1987	87.4 %	0.0 %	25.5 %	0.0 %	92.0 %	68.2 %	69.0 %	100.0 %	94.9 %	48.3 %
1992	90.2 %	1.9 %	5.3 %	0.0 %	79.5 %	70.2 %	84.5 %	-	93.5 %	48.0 %
1993	90.8 %	3.8 %	2.3 %	0.0 %	78.9 %	65.9 %	84.9 %	-	93.8 %	48.7 %
1994	90.3 %	3.8 %	3.0 %	0.0 %	70.5 %	63.5 %	86.1 %	-	84.6 %	46.0 %
1995	90.0 %	4.0 %	3.0 %	0.0 %	68.0 %	63.5 %	86.1 %	-	80.1 %	45.7 %
1996	90.3 %	4.1 %	3.1 %	0.0 %	68.3 %	70.9 %	84.0 %	-	79.4 %	46.7 %

Source: IDDS Almanac 1997

TABLE 7.4

## MILITARY TURBINE ENGINES INVENTORY

Category: Turbofan &lt; 30 kN

*Units in Service at Year-end*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	38.9 %	36.7 %	2.6 %	0.6 %	1.8 %	5.1 %	12.5 %	0.0 %	1.7 %	2,272
1987	30.7 %	41.0 %	4.5 %	0.3 %	2.8 %	5.7 %	11.7 %	0.0 %	3.3 %	4,074
1992	23.5 %	42.2 %	4.3 %	0.0 %	3.1 %	5.6 %	10.2 %	0.2 %	10.9 %	5,189
1993	24.0 %	39.2 %	5.9 %	0.0 %	3.0 %	5.5 %	10.8 %	0.2 %	11.4 %	5,309
1994	19.5 %	38.1 %	7.8 %	0.0 %	3.3 %	5.6 %	11.0 %	0.2 %	14.5 %	5,178
1995	19.1 %	36.7 %	9.0 %	0.0 %	3.3 %	5.8 %	10.9 %	0.2 %	14.9 %	5,147
1996	17.0 %	35.3 %	10.8 %	0.0 %	3.4 %	5.8 %	11.7 %	0.5 %	15.5 %	4,985

*Design Origin EU - % Share of Total*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	74.3 %	0.0 %	0.0 %	0.0 %	0.0 %	10.3 %	37.2 %	-	15.4 %	34.4 %
1987	75.5 %	0.0 %	0.0 %	0.0 %	0.0 %	22.1 %	50.1 %	0.0 %	12.0 %	30.7 %
1992	76.0 %	0.9 %	3.6 %	-	0.0 %	27.6 %	42.0 %	0.0 %	2.7 %	24.5 %
1993	77.2 %	0.9 %	9.3 %	-	0.0 %	26.4 %	38.7 %	0.0 %	5.6 %	25.7 %
1994	71.4 %	1.0 %	10.9 %	-	0.0 %	35.1 %	38.4 %	0.0 %	7.1 %	22.4 %
1995	70.7 %	1.0 %	11.8 %	-	0.0 %	36.8 %	37.1 %	0.0 %	7.8 %	22.3 %
1996	67.8 %	1.1 %	12.3 %	-	0.0 %	37.7 %	37.2 %	0.0 %	8.7 %	21.1 %

Source: IDDS Almanac 1997

TABLE 7.5

## MILITARY TURBINE ENGINES INVENTORY

Category: Turbojet &gt; 140 kN

*Units in Service at Year-end*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	4.3 %	20.0 %	74.2 %	0.0 %	0.0 %	0.8 %	0.7 %	0.0 %	0.0 %	2,494
1987	4.6 %	19.1 %	74.7 %	0.0 %	0.0 %	0.9 %	0.7 %	0.0 %	0.0 %	2,294
1992	5.6 %	20.1 %	72.9 %	0.0 %	0.0 %	0.4 %	0.9 %	0.0 %	0.0 %	1,878
1993	6.5 %	20.2 %	69.3 %	0.0 %	0.0 %	0.5 %	1.0 %	0.0 %	2.5 %	1,630
1994	7.0 %	19.4 %	68.1 %	0.0 %	0.0 %	0.5 %	0.9 %	0.0 %	4.0 %	1,504
1995	7.4 %	15.1 %	67.5 %	0.0 %	0.0 %	0.6 %	1.0 %	0.0 %	8.4 %	1,428
1996	5.9 %	17.0 %	66.9 %	0.0 %	0.0 %	0.6 %	1.0 %	0.0 %	8.6 %	1,388

*Design Origin EU - % Share of Total*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	-	0.0 %
1987	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	-	0.0 %
1992	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	-	0.0 %
1993	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	0.0 %	0.0 %
1994	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	0.0 %	0.0 %
1995	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	0.0 %	0.0 %
1996	0.0 %	0.0 %	0.0 %	-	-	0.0 %	0.0 %	-	0.0 %	0.0 %

Source: IDDS Almanac 1997

TABLE 7.6

## MILITARY TURBINE ENGINES INVENTORY

## Category: Turbojet 70-140 kN

## Units in Service at Year-end

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	11.7 %	50.0 %	23.6 %	0.3 %	0.6 %	5.3 %	3.6 %	0.2 %	4.7 %	21,700
1987	9.5 %	57.5 %	15.7 %	0.0 %	0.7 %	6.4 %	3.9 %	0.2 %	6.1 %	20,550
1992	10.0 %	58.2 %	2.6 %	0.0 %	1.1 %	8.5 %	4.8 %	0.3 %	14.5 %	14,791
1993	9.9 %	54.6 %	2.3 %	0.0 %	1.0 %	10.0 %	5.3 %	0.3 %	16.5 %	12,796
1994	10.4 %	51.8 %	2.2 %	0.0 %	1.1 %	10.8 %	5.9 %	0.3 %	17.6 %	10,966
1995	11.9 %	44.4 %	2.0 %	0.0 %	1.3 %	12.0 %	6.9 %	0.3 %	21.1 %	9,247
1996	12.7 %	43.7 %	0.7 %	0.0 %	1.4 %	12.4 %	7.2 %	0.3 %	21.6 %	8,455

## Design Origin EU - % Share of Total

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	38.3 %	0.0 %	0.0 %	0.0 %	18.1 %	6.8 %	11.7 %	100.0 %	0.0 %	5.6 %
1987	33.7 %	0.0 %	0.0 %	-	19.0 %	11.5 %	10.4 %	100.0 %	0.0 %	4.7 %
1992	39.9 %	0.0 %	0.0 %	-	21.0 %	8.5 %	9.0 %	100.0 %	0.0 %	5.7 %
1993	45.5 %	0.0 %	0.0 %	-	26.0 %	8.4 %	9.4 %	100.0 %	0.0 %	6.5 %
1994	45.8 %	0.0 %	0.0 %	-	28.1 %	9.1 %	9.8 %	100.0 %	0.0 %	6.9 %
1995	45.9 %	0.0 %	0.0 %	-	28.8 %	7.9 %	10.0 %	100.0 %	0.0 %	7.8 %
1996	45.7 %	0.0 %	0.0 %	-	27.9 %	8.4 %	10.5 %	100.0 %	0.0 %	8.3 %

Source: IDDS Almanac 1997

TABLE 7.7

## MILITARY TURBINE ENGINES INVENTORY

Category: Turbojet 30-70 kN

*Units in Service at Year-end*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	4.0 %	15.1 %	23.6 %	0.4 %	2.1 %	3.6 %	4.9 %	0.2 %	46.1 %	<b>26,206</b>
1987	3.1 %	14.0 %	22.7 %	0.0 %	2.3 %	3.6 %	5.6 %	0.2 %	48.3 %	<b>25,537</b>
1992	1.7 %	14.1 %	19.5 %	0.0 %	1.6 %	3.5 %	5.3 %	0.1 %	54.1 %	<b>21,371</b>
1993	1.5 %	13.5 %	18.3 %	0.0 %	1.7 %	3.7 %	4.9 %	0.1 %	56.3 %	<b>20,115</b>
1994	1.2 %	13.1 %	16.1 %	0.0 %	1.7 %	3.4 %	5.3 %	0.1 %	59.0 %	<b>18,514</b>
1995	0.9 %	12.5 %	16.9 %	0.0 %	1.8 %	3.4 %	5.3 %	0.1 %	59.1 %	<b>17,204</b>
1996	0.9 %	13.4 %	17.0 %	0.0 %	1.7 %	3.2 %	5.4 %	0.2 %	58.3 %	<b>16,138</b>

*Design Origin EU - % Share of Total*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	57.8 %	4.9 %	0.0 %	0.0 %	52.8 %	10.9 %	12.7 %	100.0 %	3.6 %	7.1 %
1987	54.6 %	5.2 %	0.0 %	0.0 %	50.0 %	5.9 %	12.7 %	100.0 %	2.8 %	6.1 %
1992	78.5 %	4.6 %	0.0 %	-	61.8 %	6.0 %	14.6 %	100.0 %	1.7 %	5.1 %
1993	74.2 %	5.1 %	0.0 %	-	61.2 %	2.2 %	16.5 %	100.0 %	1.7 %	4.8 %
1994	66.1 %	4.6 %	0.0 %	-	54.8 %	1.9 %	16.7 %	100.0 %	1.8 %	4.5 %
1995	51.3 %	2.4 %	0.0 %	-	55.7 %	0.5 %	17.6 %	100.0 %	1.9 %	4.0 %
1996	55.9 %	2.4 %	0.0 %	-	48.1 %	0.6 %	18.3 %	100.0 %	2.0 %	4.0 %

Source: IDDS Almanac 1997

TABLE 7.8

## MILITARY TURBINE ENGINES INVENTORY

Category: Turbojet &lt; 30 kN

*Units in Service at Year-end*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	17.8 %	14.1 %	18.1 %	1.7 %	6.4 %	7.0 %	4.1 %	1.1 %	29.6 %	15,190
1987	16.6 %	12.5 %	16.5 %	1.9 %	6.9 %	7.3 %	3.7 %	1.1 %	33.5 %	13,646
1992	14.3 %	16.8 %	12.0 %	2.3 %	8.6 %	7.3 %	4.2 %	1.6 %	32.8 %	11,835
1993	12.5 %	17.5 %	11.5 %	2.3 %	9.2 %	7.3 %	4.2 %	1.6 %	33.8 %	11,619
1994	11.9 %	15.3 %	12.2 %	2.5 %	9.2 %	7.7 %	4.4 %	1.8 %	35.1 %	10,773
1995	10.8 %	15.1 %	12.5 %	1.6 %	9.6 %	7.9 %	4.6 %	1.9 %	36.0 %	9,904
1996	8.9 %	14.6 %	12.1 %	1.6 %	9.7 %	8.5 %	5.2 %	2.0 %	37.4 %	9,436

*Design Origin EU - % Share of Total*

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	36.5 %	21.1 %	0.0 %	0.0 %	33.0 %	24.1 %	53.4 %	100.0 %	14.9 %	21.0 %
1987	33.9 %	31.7 %	0.0 %	0.0 %	26.4 %	23.4 %	66.7 %	100.0 %	11.7 %	20.6 %
1992	34.9 %	26.4 %	0.0 %	0.0 %	18.5 %	26.3 %	65.7 %	100.0 %	14.4 %	22.0 %
1993	30.9 %	27.7 %	0.0 %	0.0 %	17.3 %	26.8 %	65.2 %	100.0 %	16.0 %	22.0 %
1994	24.1 %	27.7 %	0.0 %	0.0 %	17.9 %	27.3 %	64.0 %	100.0 %	15.8 %	20.9 %
1995	21.0 %	29.2 %	0.0 %	0.0 %	17.7 %	28.8 %	63.4 %	100.0 %	16.9 %	21.6 %
1996	18.2 %	24.4 %	0.0 %	0.0 %	18.3 %	28.0 %	55.3 %	100.0 %	17.1 %	20.6 %

Source: IDDS Almanac 1997

TABLE 7.9

## MILITARY TURBINE ENGINES INVENTORY

## Category: Turboprop

<i>Units in Service at Year-end</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	8.8 %	31.8 %	30.5 %	1.3 %	6.2 %	4.2 %	4.1 %	0.0 %	13.0 %	21,997
1987	9.9 %	26.2 %	29.2 %	1.3 %	8.5 %	4.7 %	6.0 %	0.3 %	14.0 %	22,665
1992	10.3 %	26.4 %	26.4 %	1.1 %	9.2 %	5.1 %	5.4 %	0.4 %	15.8 %	23,985
1993	10.2 %	26.6 %	25.6 %	1.1 %	9.6 %	5.0 %	5.4 %	0.2 %	16.2 %	23,789
1994	10.9 %	25.4 %	25.5 %	1.2 %	9.9 %	4.8 %	5.2 %	0.2 %	17.0 %	22,694
1995	11.3 %	23.0 %	25.9 %	1.3 %	10.5 %	4.8 %	5.1 %	0.2 %	17.8 %	21,678
1996	11.8 %	18.3 %	27.6 %	1.4 %	10.8 %	5.3 %	5.7 %	0.6 %	18.4 %	19,707
<i>Design Origin EU - % Share of Total</i>										
	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	44.0 %	1.3 %	0.3 %	0.0 %	12.7 %	5.2 %	13.5 %	-	10.1 %	7.3 %
1987	41.2 %	1.5 %	0.3 %	0.0 %	11.1 %	4.0 %	7.6 %	57.1 %	10.2 %	7.7 %
1992	39.7 %	1.5 %	0.3 %	0.0 %	9.5 %	3.8 %	4.3 %	45.5 %	9.2 %	7.5 %
1993	39.6 %	1.3 %	0.3 %	0.0 %	9.1 %	3.9 %	3.9 %	0.0 %	9.1 %	7.2 %
1994	38.4 %	1.4 %	0.1 %	0.0 %	8.9 %	4.3 %	4.3 %	0.0 %	9.2 %	7.4 %
1995	38.4 %	1.6 %	0.0 %	0.0 %	8.7 %	4.0 %	4.5 %	0.0 %	9.2 %	7.7 %
1996	38.3 %	2.2 %	0.0 %	0.0 %	9.2 %	3.2 %	4.2 %	0.0 %	10.0 %	8.2 %

Source: IDDS Almanac 1997



TABLE 7.10

## MILITARY TURBINE ENGINES INVENTORY

## Category: Turboshaft

## Units in Service at Year-end

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total Units
1982	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	15
1987	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	16
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	16
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	47
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	47
1995	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	46
1996	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	46

## Design Origin EU - % Share of Total

	EU	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Total
1982	-	-	-	-	-	-	-	-	0.0 %	0.0 %
1987	-	-	-	-	-	-	-	-	0.0 %	0.0 %
1992	-	-	-	-	-	-	-	-	0.0 %	0.0 %
1993	-	-	-	-	-	-	-	-	0.0 %	0.0 %
1994	-	-	-	-	-	-	-	-	0.0 %	0.0 %
1995	-	-	-	-	-	-	-	-	0.0 %	0.0 %
1996	-	-	-	-	-	-	-	-	0.0 %	0.0 %

Note Helicopter engines are not included, hence the very limited number of turboshaft engines compared to previous versions of this table

Source: DDS Almanac 1997

TABLE 7.11 (a)

**MILITARY TURBINE ENGINES INVENTORY**  
**Manufacturers' Share of Engines in Operation by Year-end**

		TURBOFAN															
		CFM Int.	GE	Ishikawajima-Harima Jukogyo Kabushiki Kaisha	JSC 'Aviadvigatel'	KBMB (Kuznetsov)	Klimov	Pratt & Whitney	Rolls Royce	Samara (Irud)	Saturn (Lyulka)	Snecma	Turbo-Union	Volvo Flygmotor	ZMKB (Ivchenko)	Total Units	
<b>THRUST &gt; 140 kN</b>	1982		53.1 %			46.9 %											725
	1987		35.6 %		28.6 %	34.6 %										1.2 %	1,674
	1992		27.6 %		31.9 %	32.3 %		0.7 %		3.7 %						3.8 %	2,728
	1993		28.4 %		32.6 %	29.8 %		1.5 %		3.8 %						3.9 %	2,654
	1994		29.3 %		32.8 %	27.6 %		2.7 %		3.6 %						3.9 %	2,634
	1995		35.8 %		27.4 %	22.3 %		4.3 %		5.5 %						4.8 %	2,164
	1996	0.2 %	36.7 %		24.5 %	22.7 %		5.5 %		5.6 %						4.9 %	2,128
<b>70 &lt; THRUST &lt;= 140 kN</b>	1982		1.4 %		9.4 %	0.2 %	1.1 %	80.3 %	2.1 %				2.9 %	2.7 %			7,435
	1987	0.0 %	11.8 %	1.2 %	12.7 %	0.7 %	5.1 %	57.1 %	1.7 %			1.1 %	7.1 %	1.6 %			13,208
	1992	0.3 %	17.3 %	1.5 %	13.3 %	0.6 %	13.2 %	36.1 %	1.7 %		5.8 %	1.6 %	7.2 %	1.3 %			21,201
	1993	0.3 %	18.3 %	1.6 %	13.3 %	0.5 %	13.2 %	34.7 %	1.7 %		5.7 %	1.7 %	7.7 %	1.3 %			21,280
	1994	0.4 %	19.7 %	1.7 %	12.3 %	0.5 %	13.2 %	34.0 %	1.8 %		5.4 %	1.9 %	7.9 %	1.4 %			20,468
	1995	0.3 %	20.4 %	1.8 %	12.4 %	0.5 %	12.1 %	34.0 %	1.8 %		5.2 %	1.9 %	8.1 %	1.4 %			20,076
	1996	0.4 %	20.8 %	2.0 %	12.7 %	0.5 %	12.3 %	32.7 %	1.8 %		5.1 %	2.0 %	8.2 %	1.5 %			19,338

Blank denotes 0 %

Source: IDDS Almanac 1997

TABLE 7.11 (b)

### MILITARY TURBINE ENGINES INVENTORY

#### Manufacturers' Share of Engines in Operation by Year-end

		TURBOFAN															
		AlliedSignal (Garrett)	Allison	Arab Organisation for Industrialisation Engine Factory	FiatAvio	GE	Hindustan Aeronautics Ltd	Ishikawajima-Harima Jukogyo Kabushiki Kaisha	JSC 'Aviadvigatel'	Pratt & Whitney	Pratt & Whitney Canada	Rolls Royce	Rolls-Royce Turbomeca	Snecma/turbomeca	Textron Lycoming	ZMKB (Ivchenko)	Total Units
<b>30 &lt; THRUST &lt;= 70 kN</b>	1982		20.4 %			37.9 %	0.8 %	6.4 %	4.0 %	8.5 %		8.5 %	13.5 %				<b>4,047</b>
	1987		16.2 %			41.2 %	4.0 %	7.0 %	2.5 %	7.3 %		8.3 %	12.7 %		0.7 %		<b>4,458</b>
	1992		2.8 %		2.1 %	37.5 %	6.8 %	9.6 %	3.0 %	7.8 %		10.9 %	15.9 %		2.2 %	1.5 %	<b>3,303</b>
	1993		2.9 %		2.9 %	36.6 %	7.0 %	9.8 %	3.0 %	7.8 %		10.5 %	15.6 %		2.3 %	1.6 %	<b>3,223</b>
	1994	1.5 %	3.0 %		3.9 %	37.2 %	7.2 %	6.4 %	3.1 %	8.3 %		9.8 %	15.8 %		2.2 %	1.6 %	<b>3,115</b>
	1995	2.7 %	3.4 %		4.3 %	36.3 %	7.7 %	6.4 %	3.1 %	8.2 %		9.7 %	14.4 %		2.4 %	1.6 %	<b>3,148</b>
	1996	2.7 %	4.5 %		5.0 %	35.9 %	7.6 %	6.4 %	2.7 %	8.6 %		9.7 %	13.5 %		1.8 %	1.6 %	<b>3,146</b>
<b>THRUST &lt;= 30 kN</b>	1982	12.7 %				4.4 %				0.1 %	0.4 %	6.6 %	0.5 %	27.3 %		48.1 %	<b>2,272</b>
	1987	12.2 %		1.8 %		3.2 %				0.5 %	0.8 %	4.6 %	1.1 %	23.1 %		52.5 %	<b>4,074</b>
	1992	13.9 %		1.3 %		2.5 %		2.3 %		0.7 %	2.0 %	5.4 %	1.0 %	16.8 %		54.1 %	<b>5,189</b>
	1993	13.7 %		1.6 %		2.4 %		2.4 %		0.6 %	3.2 %	5.7 %	1.2 %	17.3 %		52.0 %	<b>5,309</b>
	1994	13.9 %		1.6 %		2.6 %		5.0 %		0.6 %	4.6 %	6.5 %	1.7 %	12.6 %		50.9 %	<b>5,178</b>
	1995	14.0 %		1.6 %		2.6 %		5.1 %		0.5 %	5.6 %	5.8 %	2.3 %	12.6 %		49.8 %	<b>5,147</b>
	1996	14.6 %		1.7 %		2.7 %		4.8 %		0.6 %	7.1 %	5.9 %	2.9 %	10.7 %		49.0 %	<b>4,985</b>

Blank denotes 0 %

Source: IDDS Almanac 1997

TABLE 7.11 (c)

### MILITARY TURBINE ENGINES INVENTORY

Manufacturers' Share of Engines in Operation by Year-end

		TURBOJET													
		Fiat	GE	Harbin/Xian Aero Engine Co	Hindustan Aeronautics Ltd	Israeli Aircraft Industries	Pratt & Whitney	RKBM (Dobrynin)	Rolls Royce	Saturn (Lyulka)	Snecma	Soyuz (Mikulin)	Tumansky	Volvo Flygmotor	Total Units
<b>THRUST &gt; 140 kN</b>	1982		78.4 %				2.4 %	19.2 %							<b>2,494</b>
	1987		81.9 %					18.1 %							<b>2,294</b>
	1992		81.6 %					18.4 %							<b>1,878</b>
	1993		81.6 %					18.4 %							<b>1,630</b>
	1994		88.4 %					11.6 %							<b>1,504</b>
	1995		93.1 %					6.9 %							<b>1,428</b>
	1996		91.2 %				0.3 %	8.5 %						<b>1,388</b>	
<b>70 &lt; THRUST ≤ 140 kN</b>	1982	0.7 %	35.0 %	0.9 %		1.0 %	2.3 %		1.7 %	13.2 %	2.6 %	9.7 %	31.5 %	1.3 %	<b>21,700</b>
	1987	0.7 %	26.8 %	1.5 %	0.1 %	0.9 %	1.1 %		0.7 %	15.4 %	3.2 %	8.9 %	40.0 %	0.8 %	<b>20,550</b>
	1992	1.0 %	17.4 %	1.7 %	1.7 %	0.8 %	0.3 %		0.8 %	23.2 %	3.7 %	8.1 %	40.2 %	1.1 %	<b>14,791</b>
	1993	0.8 %	17.8 %	2.0 %	2.1 %	1.0 %	0.4 %		0.9 %	24.4 %	4.3 %	7.5 %	37.6 %	1.3 %	<b>12,796</b>
	1994	0.9 %	19.5 %	2.3 %	2.5 %	0.5 %	0.4 %		0.8 %	27.5 %	4.8 %	3.9 %	35.5 %	1.3 %	<b>10,966</b>
	1995	1.1 %	21.3 %	2.7 %	3.2 %	0.6 %	0.5 %		1.1 %	28.9 %	5.4 %	1.0 %	32.9 %	1.4 %	<b>9,247</b>
	1996	0.9 %	20.4 %	2.8 %	3.5 %	0.8 %	0.5 %		1.2 %	31.0 %	5.6 %	1.0 %	30.7 %	1.5 %	<b>8,455</b>

Blank denotes 0 %

Source: IDDS Almanac 1997

TABLE 7.11 (d)

**MILITARY TURBINE ENGINES INVENTORY**  
**Manufacturers' Share of Engines in Operation by Year-end**

		TURBOJET																												
		Alfa Romeo	Allison	Alfas	Curtiss-Wright	De Havilland	Fiat	GE	Harbin/Xian Aero Engine Co	Hindustan Aeronautics Ltd	Hispano-Suiza	Instytut Lotnictwa	Inieptinderea Turbomecanica Bucuresti	Inieptinderea Turbomecanica Bucuresti/Orao	Klimov	LiYang Machinery Corporation	Orao	Piaggio	Prali & Whitney	Rolls Royce	Saturn (Lyulka)	Shenyang Aero-Engine Company	Sneema	Svenska Flygmotor	Teledyne Continental	Tumansky	Turbomeca	Walter (Motoflet)	WSK-PZL Rzeszow	Total Units
30 < THRUST <= 70 kN	1982				3.7 %			0.1 %		0.2 %					5.5 %	0.2 %					40.7 %	3.7 %	0.1 %		20.5 %				24,204	
	1987				3.7 %			0.1 %		0.5 %					3.7 %	0.2 %					42.1 %	3.4 %	0.1 %		22.2 %				25,537	
	1992				2.8 %					0.7 %					1.7 %	1.2 %					50.2 %	3.2 %	0.1 %		19.8 %				21,371	
	1993				2.7 %					0.7 %					1.2 %	1.3 %					52.3 %	2.9 %	0.2 %		19.4 %				20,115	
	1994				1.9 %					0.8 %					1.0 %	1.5 %					54.6 %	3.0 %	0.1 %		19.7 %				18,514	
	1995				2.0 %					0.8 %					0.9 %	1.6 %					54.5 %	3.1 %	0.1 %		19.4 %				17,204	
1996				1.9 %					0.5 %					0.4 %	1.6 %					54.8 %	3.0 %	0.1 %		20.1 %				14,138		
THRUST <= 30 kN	1982	3.2 %	4.2 %	1.1 %		1.2 %	0.1 %	39.3 %	6.9 %	2.8 %	0.1 %	0.6 %			2.4 %		1.1 %	2.7 %	2.5 %	5.1 %	1.6 %									15,190
	1987	2.8 %	4.0 %	1.0 %		0.7 %	0.1 %	40.4 %	10.5 %	2.3 %	0.1 %	0.7 %			2.1 %		1.8 %	2.5 %	0.7 %	5.3 %	1.2 %			13.4 %		6.9 %	6.1 %			13,644
	1992	2.2 %	3.5 %	1.6 %			0.1 %	40.4 %	8.9 %	3.3 %		2.1 %	0.1 %	2.9 %	1.6 %		1.8 %	2.6 %	0.4 %	4.5 %	0.3 %			12.9 %		5.2 %	5.8 %			11,835
	1993	1.8 %	3.4 %	1.6 %			0.1 %	40.0 %	9.0 %	4.0 %		2.1 %	0.1 %	3.1 %	1.6 %		2.0 %	2.5 %	0.4 %	4.0 %	0.3 %			13.8 %		4.8 %	5.4 %	0.1 %		11,619
	1994	1.6 %	3.0 %	1.7 %			0.1 %	42.1 %	9.3 %	4.3 %		2.3 %	0.1 %	2.8 %	1.7 %		1.7 %	2.0 %	0.4 %	3.8 %	0.3 %			15.0 %		4.4 %	3.2 %	0.1 %		10,773
	1995	1.2 %	3.0 %	1.9 %			0.1 %	40.8 %	10.1 %	4.6 %		2.5 %	0.1 %	3.0 %	1.9 %		1.9 %	2.2 %	0.4 %	3.8 %				15.5 %		3.9 %	3.0 %	0.1 %		9,904
1996	2.8 %	2.0 %				0.1 %	43.1 %	10.5 %	4.9 %			2.6 %	0.1 %	2.0 %		1.5 %	2.2 %	0.3 %	3.4 %				14.9 %		3.5 %	3.1 %	0.1 %		9,436	

Blank denotes 0 %

Source: DDS Almanac 1997

TABLE 7.11 (e)

### MILITARY TURBINE ENGINES INVENTORY

#### Manufacturers' Share of Engines in Operation by Year-end

	AlliedSignal (Garrett)	Allison	Dongan Engine Manufacturing Company	Fiat	GE	Glushenkov	Hindustan Aeronautics Ltd	Ishikawajima-Harima Jukogyo Kabushiki Kaisha	KKBM (Kuznetsov)	Praet & Whitney Canada	Rolls Royce	South Motive Power and Machinery Complex (Zhuzhou)	Textron Lycoming	Turbomeca	WSK-PZL Rzeszow	ZMBK (Ivchenko)	Total Units	
<b>TURBOPROP</b>																		
1982	6.6 %	35.6 %	0.1 %	0.5 %	1.0 %		0.5 %	1.2 %	5.4 %	8.5 %	5.9 %	1.4 %	2.3 %	0.8 %		30.2 %	<b>21,997</b>	
1987	7.1 %	36.1 %	0.2 %	0.7 %	1.1 %		0.6 %	0.7 %	6.3 %	13.0 %	6.2 %	1.4 %	1.7 %	1.0 %		24.1 %	<b>22,665</b>	
1992	7.1 %	35.3 %	0.2 %	0.7 %	1.4 %	0.02 %	0.6 %	0.3 %	6.4 %	17.4 %	6.0 %	1.5 %	1.0 %	0.9 %		21.3 %	<b>23,985</b>	
1993	7.3 %	35.3 %	0.2 %	0.8 %	1.5 %	0.02 %	0.6 %	0.2 %	6.3 %	17.7 %	5.7 %	1.6 %	1.0 %	1.0 %		21.0 %	<b>23,789</b>	
1994	7.0 %	36.9 %	0.2 %	0.8 %	1.7 %	0.02 %	0.6 %	0.2 %	4.8 %	17.9 %	5.8 %	1.6 %	0.5 %	1.0 %		20.9 %	<b>22,694</b>	
1995	7.2 %	38.5 %	0.2 %	0.8 %	1.8 %	0.02 %	0.6 %	0.2 %	3.3 %	17.1 %	6.0 %	1.7 %	0.5 %	1.1 %	0.01 %	20.9 %	<b>21,678</b>	
1996	7.1 %	42.4 %	0.3 %	0.9 %	2.1 %	0.02 %	0.7 %	0.2 %	2.8 %	18.7 %	6.4 %	0.6 %	1.1 %	1.1 %	0.03 %	16.7 %	<b>19,707</b>	
<b>TURBOSHAFT</b>																		
1982		100.0 %																15
1987		100.0 %																16
1992		100.0 %																16
1993		100.0 %																47
1994		100.0 %																47
1995		100.0 %																46
1996		100.0 %																46

Blank denotes 0 %

Helicopter engines are not included, hence the very limited number of turboshaft engines compared to previous versions of this table

Source: IDDS Almanac 1997

1996

Distribution of Military Turbine Engines on Categories  
Breakdown by Design Origin

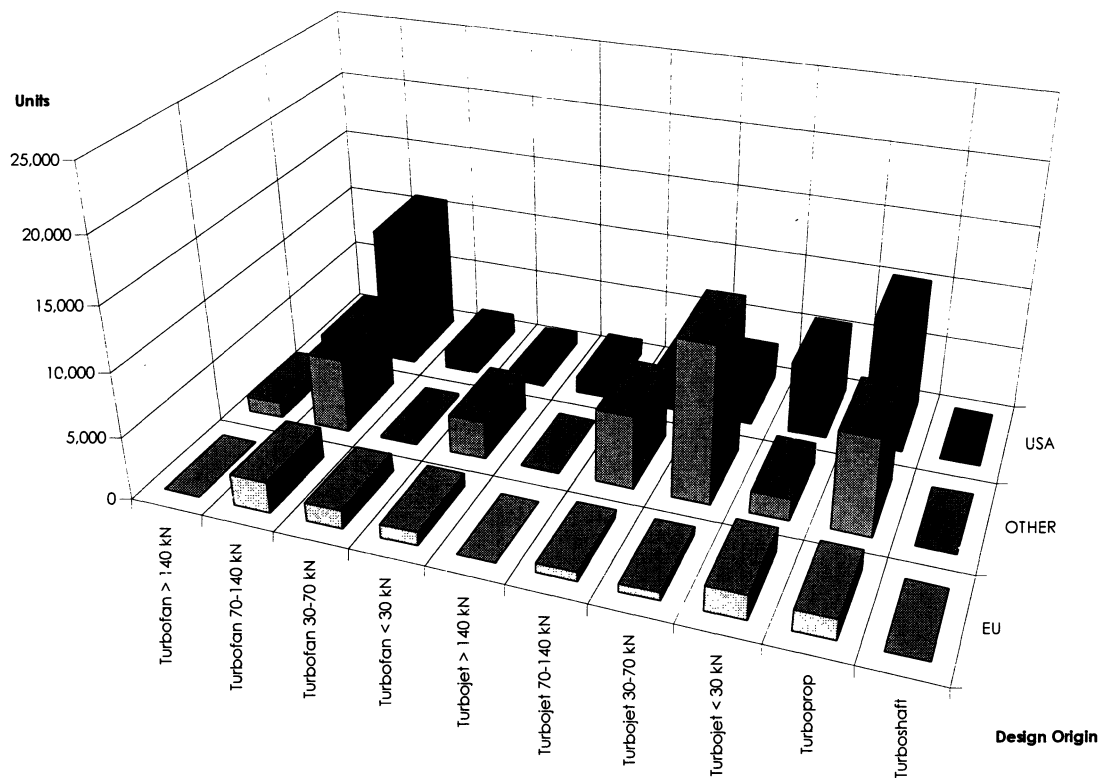


CHART 7.1

Source: IDDS Almanac 1997





## *Chapter 8*

# **Civil Aircraft Products Foreign Trade**

The figures on **EU foreign trade in civil aircraft products** are obtained using the COMBINED NOMENCLATURE (CN) tables supplied by Eurostat<sup>1</sup> on the basis of customs declarations. EU imports and exports are consolidated at EU level, excluding internal trade between member states.

The statistical data only concern the civil aircraft, goods for use in civil aircraft and for incorporation therein during their manufacture, repair, maintenance, rebuilding, modification or conversion, and ground flying-trainers and their parts, for civil use. "Civil aircraft" means aircraft other than aircraft used in military or similar services in the Member States, which carry a military or non-civil registration.

Data includes trade in used products as well as products imported for, and re-exported after, inward processing. Export figures therefore do not compare directly with export data given in chapter 9.

"EU" is composed as below

Austria	Included as of 1.1.1995
Belgium	
Denmark	
Finland	Included as of 1.1.1995
France	
Germany	
Greece	Included as of 1.1.1981
Ireland	
Italy	
Luxembourg	
the Netherlands	
Portugal	Included as of 1.1.1986
Spain	Included as of 1.1.1986
Sweden	Included as of 1.1.1995
United Kingdom	

Total EU civil aircraft products foreign trade is compared with total US civil trade.

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<sup>1</sup> The Statistical Office of The European Union

So as to simplify the presentation of the data concerning trade on these products, four groups of products with the content as specified below have been created: *airframes*, *engines*, *equipment* and *other material*.

### **Airframes**

- Balloons and dirigibles; gliders, hang gliders and other non-powered aircraft
- Helicopters
- Aeroplanes and other aircraft
- Propellers and rotors and parts thereof
- Under-carriages and parts thereof
- Ground flying trainers and parts thereof

### **Engines**

- Spark-ignition internal combustion piston engines
- Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)
- Parts suitable for use solely or principally with spark- or compression-ignition aircraft engines
- Turbo-jets, turbo-propellers and other gas turbines, and parts
- Other engines and motors (reaction engines (other than turbo-jets), hydraulic and pneumatic power engines and motors, etc.) and parts

## Equipment

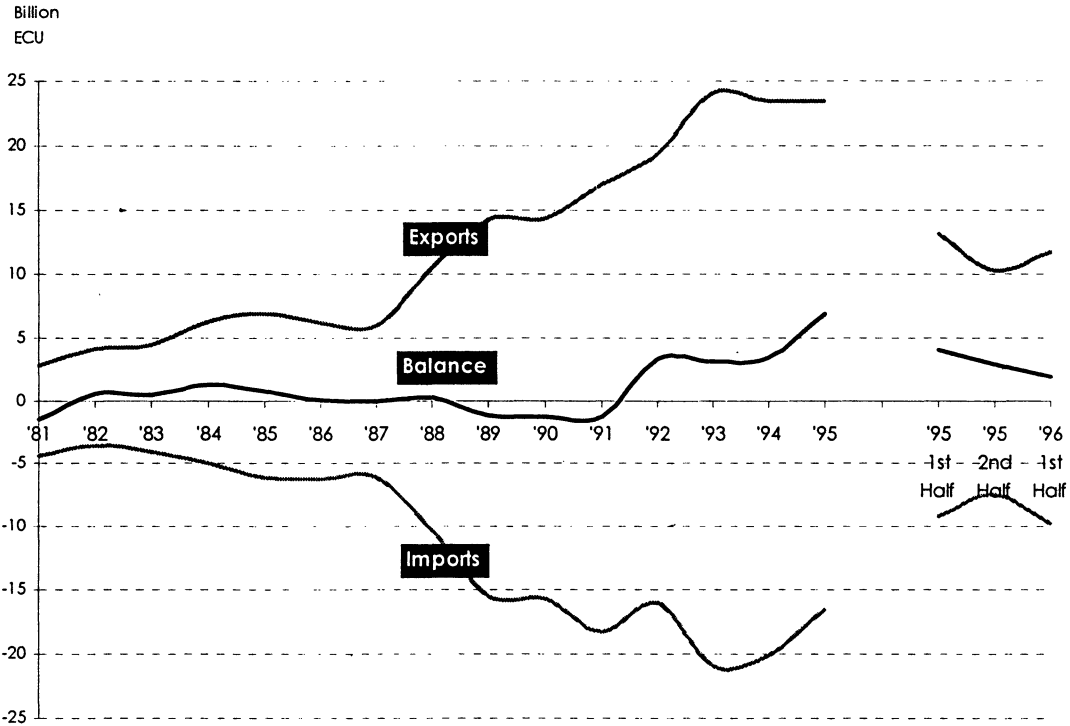
- Hydropneumatic batteries; mechanical actuators for thrust reversers; servo-mechanisms; starter motors; pneumatic starters for turbo-jets, turbo-propellers and other gas turbines; windscreen wipers; propeller regulators
- Ignition wiring sets and other wiring sets
- Transmission shafts (including cam shafts and crank shafts) and cranks; bearing housings, incorporating or not incorporating ball or roller bearings; plain shaft bearings
- Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements presented separately; ball screws; gear boxes and other speed changers, including torque converters
- Flywheels and pulleys, including pulley blocks
- Clutches and shaft couplings (including universal joints)
- Automatic data-processing machines and units thereof
- Microphones and stands therefor; loudspeakers; telephones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets
- Magnetic tape recorders and other sound recording apparatus
- Flight recorders
- Video magnetic tape recording or reproducing apparatus
- Radar apparatus, radio navigational aid apparatus and radio remote control apparatus
- Transmission and reception apparatus for radio-telephony or radio-telegraphy
- Aerials and aerial reflectors; parts suitable for use therewith
- Electric sound or visual signalling apparatus (fire alarms and similar apparatus, indicator panels incorporating liquid crystal devices (LCD) or light emitting diodes (LED), etc.)
- Optical elements
- Navigational instruments and appliances; direction finding compasses
- Inertial navigation systems
- Stall warning calculators
- Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers
- Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases; oscilloscopes, spectrum analysers and other instruments and apparatus for measuring or checking electrical quantities, measuring or detecting ionizing radiations; other measuring or checking instruments, appliances and machines
- Revolution counters, speed indicators and tachometers; instrument panel clocks; clock movements, complete and assembled
- Automatic regulating or controlling instruments and apparatus
- Breathing appliances and gas masks
- Toilet units specially designed
- Air humidifiers and de-humidifiers

**Other material**

- Tubes, pipes and hoses, and fittings therefor (for example, joints, elbows, flanges), of plastics
- Other articles of plastics for technical uses
- Flexible tubing of base metal, with fittings attached
- Piping and tubing of vulcanized rubber, hard rubber, iron or steel, aluminium, titanium, with fittings attached, suitable for conducting gases or liquids
- Other articles of vulcanized rubber other than hard rubber
- Profile shapes, cut to size
- Base metal mountings, fittings and similar articles (hinges, castors, automatic door closers, etc.)
- Gaskets, washers and other seals of agglomerated cork, paper or paperboard
- Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal
- Articles of asbestos or of asbestos and magnesium carbonate
- Friction material and articles thereof, not mounted, for brakes, for clutches or the like, with a basis of asbestos or other mineral substances
- New, retreaded or used pneumatic tyres, of rubber
- Windscreens of laminated safety glass, not framed
- Stranded wire, ropes, cables, plaited bands, slings and the like, of iron or steel, not electrically insulated, with fittings attached
- Stranded wire, cables, plaited bands and the like, of copper, not electrically insulated, with fittings attached
- Other articles of iron or steel wire
- Pumps for liquids (reciprocating, rotary, centrifugal, vacuum), hand operated or power-driven, and parts
- Air pumps, air or other gas compressors and fans, and parts
- Air conditioning machines and parts; air heaters and hot air distributors; heat exchange units and parts
- Refrigerators, freezers and other refrigerating or freezing equipment; heat pumps other than air conditioning machines
- Other machinery for making hot drinks or for cooking or heating food
- Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases
- Fire extinguishers
- Sanitary ware, of iron and steel
- Pulley tackle and hoists other than skip hoists; winches and capstans; jacks
- Cranes
- Other lifting, handling, loading or unloading machinery (for example, lifts, skip hoists, elevators and conveyors, etc.)
- Electric motors and generators; generating sets and rotary converters
- Electric transformers, static converters and inductors
- Electric accumulators
- Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines; generators and cut-outs of a kind used together with such engines
- Electric heating resistors, assembled only with a simple insulated former and electrical connections, used for anti-icing or de-icing
- Sealed beam lamp units
- Lamps and lighting fittings; illuminated signs and name-plates
- Furniture (excluding leather-covered seats)

**CHART 8.1**

**EU Civil Aircraft Products Foreign Trade**



Source: Eurostat - COMEXT

TABLE 8.1

**EU CIVIL AIRCRAFT PRODUCTS FOREIGN TRADE**  
**Total Figures, Compared with US Civil Trade**  
**(Million ECU)**

Year	IMPORT						EXPORT						TRADE BALANCE					
	Airframes	Engines	Equipment	Other Material	Total EU	US Civil Trade	Airframes	Engines	Equipment	Other Material	Total EU	US Civil Trade	Airframes	Engines	Equipment	Other Material	Total EU	US Civil Trade
1981	2,492	1,326	346	134	<b>4,298</b>	-	2,116	352	195	105	<b>2,767</b>	-	-376	-975	-151	-29	<b>-1,531</b>	-
1982	1,454	1,567	415	139	<b>3,575</b>	-	3,031	757	218	146	<b>4,151</b>	-	1,577	-810	-198	7	<b>576</b>	-
1983	1,491	1,879	499	153	<b>4,022</b>	3,288	2,791	1,285	247	145	<b>4,468</b>	11,902	1,300	-594	-252	-8	<b>445</b>	8,614
1984	1,721	2,504	556	192	<b>4,974</b>	4,800	3,962	1,875	296	164	<b>6,297</b>	12,242	2,240	-629	-260	-28	<b>1,323</b>	7,442
1985	2,660	2,644	573	234	<b>6,111</b>	6,531	3,704	2,649	356	205	<b>6,914</b>	16,960	1,044	5	-217	-30	<b>803</b>	10,429
1986	2,817	2,555	579	225	<b>6,176</b>	6,501	2,956	2,655	387	189	<b>6,187</b>	15,089	139	100	-193	-36	<b>11</b>	8,588
1987	2,633	2,648	560	194	<b>6,035</b>	5,552	2,651	2,806	361	169	<b>5,988</b>	13,657	18	159	-199	-25	<b>-47</b>	8,105
1988	5,633 r	2,943 r	860 r	795 r	<b>10,231 r</b>	6,430	5,957 r	2,855 r	707 r	955 r	<b>10,474 r</b>	17,164	324 r	-89 r	-153 r	160 r	<b>243 r</b>	10,734
1989	9,898 r	3,541 r	1,068 r	987 r	<b>15,494 r</b>	6,535	8,817 r	3,569 r	798 r	1,090 r	<b>14,273 r</b>	23,252	-1,081 r	27 r	-270 r	103 r	<b>-1,221 r</b>	16,717
1990	9,723 r	3,822 r	1,140 r	1,010 r	<b>15,695 r</b>	6,480	7,646 r	4,663 r	909 r	1,173 r	<b>14,392 r</b>	24,750	-2,076 r	841 r	-231 r	163 r	<b>-1,303 r</b>	18,271
1991	11,771 r	4,077 r	1,282 r	1,138 r	<b>18,268 r</b>	7,479	10,195 r	4,669 r	888 r	1,250 r	<b>17,003 r</b>	28,686	-1,576 r	592 r	-394 r	112 r	<b>-1,265 r</b>	21,207
1992	9,771 r	3,748 r	1,309 r	1,182 r	<b>16,009 r</b>	7,487	11,841 r	5,186 r	938 r	1,375 r	<b>19,339 r</b>	28,431 r	2,070 r	1,438 r	-371 r	193 r	<b>3,330 r</b>	20,944 r
1993	14,629 r	3,969 r	1,092 r	1,257 r	<b>20,946 r</b>	7,368 r	16,893 r	4,721 r	975 r	1,478 r	<b>24,066 r</b>	27,176 r	2,263 r	752 r	-117 r	222 r	<b>3,120 r</b>	19,808 r
1994	13,278 r	4,348 r	1,063 r	1,395 r	<b>20,084 r</b>	7,391	15,852 r	5,005 r	983 r	1,669 r	<b>23,509 r</b>	25,263 r	2,574 r	657 r	-80 r	273 r	<b>3,424 r</b>	17,872 r
1995	10,026	3,640	1,254	1,603	<b>16,523</b>	6,343	15,888	4,142	1,274	2,151	<b>23,456</b>	19,174	5,862	503	20	549	<b>6,934</b>	12,831
1995 1 <sup>st</sup> Half	5,836 r	1,848 r	614 r	844 r	<b>9,142 r</b>	-	9,225 r	2,182 r	632 r	1,099 r	<b>13,138 r</b>	-	3,388 r	335 r	17 r	255 r	<b>3,995 r</b>	-
1995 2 <sup>nd</sup> Half	4,190	1,792	640	758	<b>7,380</b>	-	6,663	1,960	643	1,052	<b>10,319</b>	-	2,473	168	3	294	<b>2,938</b>	-
1996 1 <sup>st</sup> Half	6,414	1,943	602	835	<b>9,793</b>	-	7,738	2,309	599	1,039	<b>11,685</b>	-	1,325	367	-3	204	<b>1,893</b>	-

r Revised

Sources: EU: Eurostat - COMEXT  
USA: Aerospace Industries Association (AIA)

TABLE 8.2

## EU CIVIL AIRCRAFT PRODUCTS TRADE WITH USA

(Million ECU)

Year	IMPORT					EXPORT					TRADE BALANCE				
	Airframes	Engines	Equipment	Other Material	Total EU	Airframes	Engines	Equipment	Other Material	Total EU	Airframes	Engines	Equipment	Other Material	Total EU
1981	2,323	1,236	310	119	<b>3,988</b>	708	205	60	24	<b>997</b>	-1,615	-1,031	-250	-95	<b>-2,991</b>
1982	1,297	1,459	375	124	<b>3,255</b>	727	454	66	34	<b>1,281</b>	-570	-1,005	-309	-89	<b>-1,973</b>
1983	1,282	1,702	447	132	<b>3,563</b>	609	803	76	29	<b>1,517</b>	-673	-899	-372	-103	<b>-2,047</b>
1984	1,484	2,124	492	163	<b>4,262</b>	879	1,201	95	39	<b>2,214</b>	-605	-923	-397	-124	<b>-2,048</b>
1985	2,338	2,226	512	208	<b>5,285</b>	1,507	1,852	126	60	<b>3,544</b>	-832	-374	-387	-148	<b>-1,741</b>
1986	2,604	2,196	518	204	<b>5,522</b>	806	1,844	140	62	<b>2,852</b>	-1,798	-352	-378	-143	<b>-2,671</b>
1987	2,236	2,252	505	166	<b>5,159</b>	1,035	1,823	137	52	<b>3,047</b>	-1,202	-429	-367	-114	<b>-2,112</b>
1988	3,807 r	2,576 r	686 r	370 r	<b>7,439 r</b>	2,008 r	1,969 r	243 r	263 r	<b>4,483 r</b>	-1,799 r	-607 r	-443 r	-107 r	<b>-2,956 r</b>
1989	8,187 r	3,058 r	867 r	457 r	<b>12,570 r</b>	2,701 r	2,542 r	269 r	314 r	<b>5,826 r</b>	-5,487 r	-516 r	-598 r	-143 r	<b>-6,744 r</b>
1990	8,086 r	3,347 r	906 r	464 r	<b>12,803 r</b>	2,340 r	3,474 r	312 r	306 r	<b>6,431 r</b>	-5,747 r	126 r	-594 r	-158 r	<b>-6,372 r</b>
1991	9,411 r	3,597 r	1,001 r	518 r	<b>14,527 r</b>	2,846 r	3,554 r	322 r	325 r	<b>7,047 r</b>	-6,566 r	-43 r	-679 r	-192 r	<b>-7,480 r</b>
1992	6,625 r	3,242 r	1,013 r	525 r	<b>11,405 r</b>	3,049 r	3,978 r	289 r	337 r	<b>7,653 r</b>	-3,577 r	736 r	-723 r	-188 r	<b>-3,752 r</b>
1993	5,320 r	3,171 r	739 r	539 r	<b>9,769 r</b>	3,223 r	3,294 r	290 r	337 r	<b>7,145 r</b>	-2,097 r	124 r	-449 r	-202 r	<b>-2,624 r</b>
1994	4,818 r	3,401 r	706 r	577 r	<b>9,502 r</b>	3,290 r	3,572 r	300 r	346 r	<b>7,508 r</b>	-1,528 r	171 r	-406 r	-231 r	<b>-1,994 r</b>
1995	4,664	2,907	774	621	<b>8,967</b>	3,330	2,685	343	399	<b>6,756</b>	-1,335	-222	-432	-222	<b>-2,211</b>
1995 1 <sup>st</sup> Half	2,749 r	1,473 r	387 r	322 r	<b>4,931 r</b>	1,772 r	1,442 r	166 r	210 r	<b>3,589 r</b>	-978 r	-30 r	-221 r	-112 r	<b>-1,341 r</b>
1995 2 <sup>nd</sup> Half	1,915	1,434	388	299	<b>4,036</b>	1,558	1,243	177	189	<b>3,167</b>	-357	-191	-211	-110	<b>-869</b>
1996 1 <sup>st</sup> Half	2,434	1,570	378	322	<b>4,704</b>	1,769	1,452	163	199	<b>3,583</b>	-664	-118	-216	-123	<b>-1,121</b>

r Revised

Source: Eurostat - COMEXT



TABLE 8.3

## EU CIVIL AIRCRAFT PRODUCTS TRADE WITH JAPAN

(Million ECU)

Year	IMPORT					EXPORT					TRADE BALANCE				
	Airframes	Engines	Equipment	Other Material	Total EU	Airframes	Engines	Equipment	Other Material	Total EU	Airframes	Engines	Equipment	Other Material	Total EU
1981	1	0	1	3	5	76	6	2	1	85	75	6	2	-2	81
1982	10	1	1	2	14	100	7	3	1	111	90	6	2	-1	96
1983	29	0	1	4	35	181	4	2	1	188	152	3	2	-4	153
1984	9	0	1	8	18	18	6	2	1	27	8	5	2	-7	8
1985	2	3	1	5	10	135	12	3	7	158	134	9	2	3	147
1986	3	2	3	4	12	119	18	4	4	145	116	17	1	-1	133
1987	4	3	3	4	14	46	49	4	3	102	42	46	1	0	88
1988	57 r	4 r	23 r	83 r	166 r	166 r	42 r	8 r	30 r	247 r	109 r	38 r	-15 r	-53 r	80 r
1989	34 r	10 r	27 r	97 r	168 r	294 r	42 r	10 r	35 r	380 r	260 r	32 r	-17 r	-62 r	213 r
1990	13 r	2 r	31 r	90 r	136 r	365 r	46 r	33 r	41 r	484 r	352 r	44 r	2 r	-49 r	349 r
1991	18 r	1 r	38 r	103 r	161 r	699 r	24 r	30 r	42 r	795 r	680 r	23 r	-8 r	-61 r	634 r
1992	31 r	2 r	40 r	107 r	179 r	335 r	38 r	24 r	44 r	441 r	305 r	36 r	-16 r	-64 r	261 r
1993	24 r	14 r	44 r	111 r	193 r	379 r	29 r	23 r	47 r	477 r	355 r	15 r	-21 r	-65 r	284 r
1994	68 r	3 r	48 r	144 r	262 r	472 r	35 r	29 r	56 r	592 r	405 r	32 r	-19 r	-88 r	329 r
1995	40	4	52	124	219	419	43	30	78	570	379	40	-22	-47	351
1995 1 <sup>st</sup> Half	25 r	1 r	26 r	65 r	117 r	232 r	24 r	14 r	40 r	310 r	207 r	23 r	-12 r	-25 r	193 r
1995 2 <sup>nd</sup> Half	15	2	26	59	103	187	19	16	37	260	173	17	-10	-22	158
1996 1 <sup>st</sup> Half	15	2	20	52	89	207	18	18	46	289	191	17	-2	-6	200

r Revised

Source: Eurostat - COMEXT



## *Chapter 9*

# **Turnover and Public Support**



## TURNOVER

The annual survey, conducted by DG III together with the industrial associations of 8 EU Member States - A.I.A. (IT), A.T.E.C.M.A. (ES), B.D.L.I. (DE), G.E.B.E.C.O.M.A. (BE), G.I.F.A.S. (FR), N.A.I. (NL), S.A.I. (SE) (from 1993) and S.B.A.C. (GB) - , enables the turnover of the European aerospace industry<sup>1</sup> to be broken down by *category of customer, destination (civil / military)* and *sector*. Participants to this survey are the aerospace companies whose turnover concerns (partly or entirely) one or more of the 4 groups of aerospace products below:

**a) Complete Aircraft systems and Missiles:**

Aircraft (aeroplane, helicopters and gliders) and missiles, their parts and spares;

**b) Space:**

Space vehicles, their engines and equipment, satellites, launchers, ground installations, etc.;

**c) Propulsion devices / Engines**

Piston engines, turboprops, turbojets, etc., - their parts and spares, equipment and accessories, for installation in the aircraft systems mentioned under (a);

**d) Equipment**

Equipment for the aircraft systems mentioned under (a): finished products, parts and spares, sub-assemblies including test and ground-training equipment.

The situation of the EU aerospace industry is compared with that of the USA, Japan and Canada. A distinction is made between the following:

- **Overall non-consolidated turnover** including transactions between national aerospace companies. It does not show the output of the aerospace sector as such, since it includes intermediate exchanges at national level.
- **Turnover consolidated at national level** excluding transactions between national aerospace companies, and hence representing the output of the aerospace sector as such for the individual Member States.

The difference between *overall non-consolidated turnover* and *turnover consolidated at national level* therefore represents the sale of aerospace goods and services between national companies in the various sub-sectors (aircraft, space, propulsion devices and equipment) and between national companies in the same sub-sectors (e.g. contracting between airframe manufacturers for certain sub-assemblies).

- **Turnover consolidated at EU level** representing the output of the EU as a whole, since it does not include intra-EU transactions between aerospace companies<sup>2</sup>.

The difference between *turnover consolidated at national level* and *turnover consolidated at EU level* represents the

<sup>1</sup> Revisions or retrospective corrections of historical series can occur. Data for Spain relating to the years 1984 - 86 have been estimated by linear regression to the employment of the major aerospace company Casa. Data for the Netherlands are not available for 1995. They have been estimated on the basis on 1994 figures.

<sup>2</sup> Standardization problems of the accounting methods remain and may affect turnover consolidated at the EU level.

sale of aerospace goods and services between companies located in different EU Member States.

In the case of USA, Japan and Canada turnover is *consolidated*, thus doesn't compare with the EU *overall non-consolidated* level.

The breakdown of turnover between the different *categories of customer* is carried out as follows:

- **National State:** sales or services (including R&D) to the State (public authorities) in which the company is established;
- **Aerospace Manufacturers:** sales or services (including R&D) to other aerospace companies (generally sub-contracting);
- **Final Users:** sales or services (including R&D), i.e., neither to the State nor to other aerospace companies.

Turnover relating to the category of customer "*National State*" is broken down between:

- **R&D contracts;**
- post-delivery modifications, repairs and **maintenance** of material sold, where these operations are carried out by the company itself and not by the customer, and
- **procurement.**

In the case of "*Aerospace Manufacturers*" and "*Final Users*", turnover is broken down between:

- **National:** sales or services in the country in which the company is established;
- **Other EU States:** sales or services in other EU countries;
- **Third Countries:** sales or services in a non-EU country.

Turnover corresponding to international co-operation programmes (e.g. Airbus, ATR) is entered under the heading "*Final Users*". Only the part of these programmes that concerns the national industry (i.e. after deduction of the share of the turnover which concerns other countries) is included in the total turnover of a Member State. This applies both to the country that markets the product and to the country that supplies part of the product to the country which markets it.

Turnover corresponding to sales to international public organizations (e.g. ESA) is entered under the heading "*National State*". Here too, only the part of these programmes that concerns the national industry is included in the total turnover of a Member State.

Repair and maintenance operations carried out by users, whether civil or military, are not included.

CHART 9.1

EU Aerospace Turnover  
at Current Prices

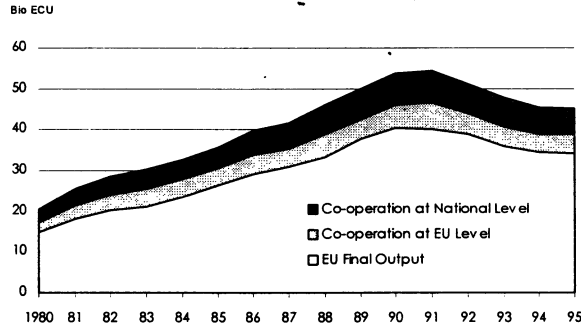
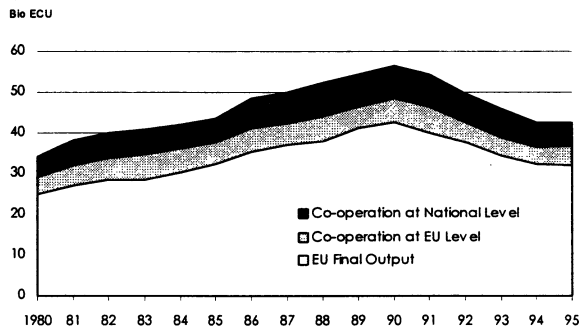


CHART 9.2

EU Aerospace Turnover  
at Constant 1991 Prices



Source: Industrial Associations / DGIII Annual Survey

## PUBLIC SUPPORT

The tables 9.24 to 9.26 show how the turnover relating to public customers is generated through

- **R&D Contracts**

and

- sales to **public market**, comprising post-delivery modifications (repairs and maintenance of material sold, where these operations are carried out by the company itself and not by the customer), national procurement and final military users in other EU member states.

The overall figures for EU are compared to the US, and for EU details are given for product groups.

TABLE 9.1

## EU OVERALL NON-CONSOLIDATED AEROSPACE TURNOVER

In Current Prices

	BE		DE		ES		FR		GB		IT		NL		SE		EU	
	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	Share %	Mio ECU	
1980	333	1.6 %	3,359	16.5 %	185	0.9 %	7,270	35.6 %	7,646	37.5 %	1,230	6.0 %	372	1.8 %	n/a	-	20,394	100.0 %
1981	429	1.7 %	4,114	16.2 %	262	1.0 %	8,821	34.7 %	9,581	37.7 %	1,757	6.9 %	445	1.8 %	n/a	-	25,409	100.0 %
1982	413	1.5 %	5,084	17.9 %	356	1.3 %	9,813	34.5 %	10,080	35.5 %	2,181	7.7 %	492	1.7 %	n/a	-	28,419	100.0 %
1983	344	1.1 %	5,380	17.8 %	348	1.2 %	10,826	35.9 %	10,015	33.2 %	2,661	8.8 %	605	2.0 %	n/a	-	30,178	100.0 %
1984	287	0.9 %	5,628	17.3 %	407 e	1.2 %	11,729	36.0 %	11,210	34.4 %	2,767	8.5 %	594	1.8 %	n/a	-	32,622	100.0 %
1985	361	1.0 %	6,524	18.4 %	440 e	1.2 %	12,555	35.3 %	12,034	33.9 %	3,070	8.6 %	533	1.5 %	n/a	-	35,519	100.0 %
1986	338	0.8 %	9,780	24.5 %	377 e	0.9 %	13,168	33.0 %	12,252	30.7 %	3,421	8.6 %	584	1.5 %	n/a	-	39,920	100.0 %
1987	339	0.8 %	10,079	24.2 %	426	1.0 %	13,145	31.5 %	13,600	32.6 %	3,649	8.8 %	452	1.1 %	n/a	-	41,691	100.0 %
1988	329	0.7 %	11,190	24.3 %	649	1.4 %	14,267	31.0 %	14,769	32.1 %	3,960	8.6 %	880	1.9 %	n/a	-	46,044	100.0 %
1989	363	0.7 %	11,895	23.8 %	806	1.6 %	15,782	31.6 %	15,486	31.0 %	4,422	8.9 %	1,199	2.4 %	n/a	-	49,953	100.0 %
1990	437	0.8 %	12,364	23.1 %	961	1.8 %	17,147	32.0 %	16,403	30.6 %	4,940	9.2 %	1,385	2.6 %	n/a	-	53,637	100.0 %
1991	560	1.0 %	13,053	24.0 %	907	1.7 %	17,367	32.0 %	15,677	28.9 %	5,087	9.4 %	1,650	3.0 %	n/a	-	54,300	100.0 %
1992	386	0.8 %	10,866	21.2 %	914	1.8 %	17,545	34.3 %	14,641	28.6 %	5,014	9.8 %	1,795	3.5 %	n/a	-	51,161	100.0 %
1993	478	1.0 %	9,621	20.1 %	904	1.9 %	16,503	34.5 %	13,198	27.6 %	4,291	9.0 %	1,700	3.6 %	1,120	2.3 %	47,815	100.0 %
1994	483	1.1 %	8,733 r	19.3 %	857	1.9 %	16,012	35.3 %	13,173	29.1 %	3,916	8.6 %	1,114	2.5 %	1,047	2.3 %	45,336 r	100.0 %
1995	578	1.3 %	8,195	18.1 %	944	2.1 %	15,497	34.3 %	13,701	30.3 %	3,474	7.7 %	1,486 e	3.3 %	1,322	2.9 %	45,196	100.0 %

e Estimated  
r Revised

Source: Industrial Associations / DGIII Annual Survey



TABLE 9.2

## EU OVERALL NON-CONSOLIDATED AEROSPACE TURNOVER

In Constant 1991 Prices

	BE		DE		ES		FR		GB		IT		NL		SE		EU	
	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %
1980	511		5,672		377		11,610		12,726		2,805		556		n/a		34,256	
1981	634	24.1 %	6,635	17.0 %	491	30.2 %	13,016	12.1 %	13,239	4.0 %	3,575	27.5 %	634	14.2 %	n/a	-	38,224	11.6 %
1982	617	-2.6 %	7,419	11.8 %	612	24.7 %	13,795	6.0 %	13,104	-1.0 %	3,965	10.9 %	628	-1.1 %	n/a	-	40,140	5.0 %
1983	493	-20.0 %	7,273	-2.0 %	634	3.6 %	14,600	5.8 %	12,942	-1.2 %	4,291	8.2 %	733	16.8 %	n/a	-	40,966	2.1 %
1984	392	-20.6 %	7,346	1.0 %	661 e	4.2 %	14,933	2.3 %	13,951	7.8 %	4,093	-4.6 %	706	-3.7 %	n/a	-	42,082	2.7 %
1985	459	17.2 %	8,293	12.9 %	677 e	2.4 %	14,956	0.2 %	14,102	1.1 %	4,367	6.7 %	620	-12.2 %	n/a	-	43,474	3.3 %
1986	404	-12.0 %	11,520	38.9 %	555 e	-18.0 %	14,913	-0.3 %	15,861	12.5 %	4,556	4.3 %	649	4.7 %	n/a	-	48,458	11.5 %
1987	390	-3.4 %	11,350	-1.5 %	613	10.5 %	14,743	-1.1 %	17,614	11.1 %	4,682	2.8 %	492	-24.2 %	n/a	-	49,884	2.9 %
1988	376	-3.8 %	12,424	9.5 %	856	39.5 %	15,785	7.1 %	16,988	-3.6 %	4,890	4.5 %	946	92.3 %	n/a	-	52,265	4.8 %
1989	396	5.4 %	12,869	3.6 %	941	9.9 %	16,929	7.2 %	16,864	-0.7 %	5,048	3.2 %	1,272	34.5 %	n/a	-	54,319	3.9 %
1990	452	14.2 %	12,847	-0.2 %	1,037	10.2 %	17,563	3.7 %	17,788	5.5 %	5,279	4.6 %	1,423	11.8 %	n/a	-	56,389	3.8 %
1991	560	23.8 %	13,053	1.6 %	907	-12.6 %	17,367	-1.1 %	15,677	-11.9 %	5,087	-3.6 %	1,650	16.0 %	n/a	-	54,300	-3.7 %
1992	367	-34.5 %	10,146	-22.3 %	883	-2.6 %	16,876	-2.8 %	14,757	-5.9 %	4,984	-2.0 %	1,727	4.7 %	n/a	-	49,740	-8.4 %
1993	426	16.1 %	8,296	-18.2 %	942	6.7 %	15,009	-11.1 %	13,635	-7.6 %	4,719	-5.3 %	1,536	-11.1 %	1,317	-	45,879	-7.8 %
1994	412	-3.3 %	7,324 r	-11.7 %	915	-2.8 %	14,233	-5.2 %	13,255	-2.8 %	4,325	-8.3 %	979	-36.3 %	1,203	-3.7 %	42,645 r	-7.0 %
1995	471	14.5 %	6,546	-10.6 %	985	7.7 %	13,426	-5.7 %	14,386	8.5 %	4,066	-6.0 %	1,252 e	27.9 %	1,488	23.7 %	42,620	-0.1 %
Average 1980 - 95		1.0 %		2.0 %		7.6 %		1.1 %		1.1 %		2.8 %		9.0 %				1.6 %

Note: Compared to the 1996 edition of this table changes occur as a result of revised GDP deflators (see table in Annex)

 e Estimated  
r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.3

## FINAL AEROSPACE TURNOVER CONSOLIDATED AT NATIONAL LEVEL

In Current Prices

	BE		DE		ES		FR		GB		IT		NL		SE		EU		USA		CANADA		JAPAN	
	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100
1980	320	2	2,710	17	184	1	5,992	34	6,648	37	1,028	8	371	2	n/a	-	17,253	100	34,041	197	1,353	8	1,273	7
1981	426	2	3,317	17	262	1	7,245	34	8,153	35	1,526	9	441	2	n/a	-	21,370	100	49,118	230	2,078	10	1,685	8
1982	409	2	4,112	18	354	2	7,982	34	8,706	33	1,866	10	486	2	n/c	-	23,915	100	59,945	251	2,292	10	2,540	11
1983	339	1	4,272	18	346	2	8,904	36	8,895	32	2,220	10	595	2	n/a	-	25,572	100	72,021	282	2,353	9	2,914	11
1984	284	1	4,515	17	397 e	2	9,967	35	9,890	33	2,332	10	584	2	n/a	-	27,969	100	84,171	301	3,264	12	3,642	13
1985	360	1	5,319	19	425 e	2	10,782	34	10,661	32	2,611	10	533	1	n/a	-	30,691	100	103,325	337	3,998	13	4,652	15
1986	336	1	7,901	24	359 e	1	10,966	31	10,905	33	2,851	9	584	1	n/a	-	33,902	100	86,465	255	3,587	11	4,815	14
1987	337	1	8,292	23	360	1	10,924	30	11,924	35	3,028	9	452	1	n/a	-	35,317	100	77,089	218	3,730	11	5,225	15
1988	328	1	9,117	24	609	2	11,852	30	12,864	33	3,286	9	880	2	n/a	-	38,936	100	77,449	199	4,406	11	5,831	15
1989	363	1	9,929	24	789	2	13,317	31	13,340	31	3,675	9	1,199	2	n/a	-	42,612	100	88,029	207	5,653	13	6,653	16
1990	436	1	10,168	23	931	2	14,592	31	14,513	32	4,106	9	1,385	3	n/a	-	46,131	100	85,161	185	5,381	12	5,834	13
1991	559	1	11,127	24	886	2	14,758	32	13,978	29	3,640	9	1,650	3	n/a	-	46,597	100	88,447	190	6,161	13	6,879	15
1992	382	1	9,148	20	897	2	15,092	34	12,719	30	3,730	10	1,795	3	n/a	-	43,813	100	80,539	184	5,479	13	7,458	17
1993	477	1	8,257	18	892	2	13,614	33	11,439	30	3,229	10	1,680	3	1,039	3	40,628	100	80,912 r	199	5,409	13	9,339	23
1994	483	1	7,545 r	17	848	2	13,458	33	11,476	31	2,974	10	1,097	2	993	3	38,873 r	100	75,121 r	193	5,767	15	9,908 r	25
1995	573	1	6,708	15	916	2	12,877	32	12,334	34	2,661	10	1,463 e	3	1,254	3	38,786	100	67,381	174	5,649	15	9,938	26

r Revised  
e Estimated

Sources: EU: Industrial Associations / DGIII Annual Survey  
USA: Aerospace Industries Association (AIA)  
CANADA: Industry Canada; JAPAN: SJAC

TABLE 9.4

## FINAL AEROSPACE TURNOVER CONSOLIDATED AT NATIONAL LEVEL

In Constant 1991 Prices

	BE		DE		ES		FR		GB		IT		NL		SE		EU		USA		CANADA		JAPAN	
	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %
1980	490		4,576		376		9,569		11,063		2,346		554		n/a		28,975		61,489		2,583		2,992	
1981	629	28.3 %	5,351	16.9 %	490	30.3 %	10,691	11.7 %	11,266	1.8 %	3,104	32.4 %	628	13.3 %	n/a	-	32,160	11.0 %	64,883	5.5 %	2,944	14.0 %	2,964	-3.9 %
1982	611	-2.8 %	6,000	12.1 %	609	24.1 %	11,222	5.0 %	11,317	0.5 %	3,393	9.3 %	620	-1.4 %	n/a	-	33,771	5.0 %	65,458	0.9 %	2,697	-8.4 %	4,356	47.0 %
1983	487	-20.4 %	5,775	-3.7 %	632	3.8 %	12,007	7.0 %	11,494	1.6 %	3,581	5.5 %	721	16.4 %	n/a	-	34,697	2.7 %	68,708	5.0 %	2,997	-11.1 %	4,262	-2.2 %
1984	388	-20.3 %	5,893	2.0 %	645	2.1 %	12,690	5.7 %	12,309	7.1 %	3,450	-3.6 %	694	-3.8 %	n/a	-	36,068	4.0 %	68,532	-0.3 %	3,005	25.3 %	4,594	7.8 %
1985	458	17.9 %	6,762	14.7 %	653	1.3 %	12,844	1.2 %	12,492	1.5 %	3,713	7.6 %	620	-10.7 %	n/a	-	37,541	4.1 %	78,552	14.6 %	3,659	21.8 %	5,545	20.7 %
1986	402	-12.1 %	9,306	37.6 %	529	-18.9 %	12,420	-3.3 %	14,117	13.0 %	3,797	2.2 %	649	4.7 %	n/a	-	41,220	9.8 %	82,738	5.3 %	4,208	15.0 %	5,153	-7.1 %
1987	388	-3.7 %	9,337	0.3 %	518	-2.1 %	12,252	-1.4 %	15,443	9.4 %	3,884	2.3 %	492	-24.2 %	n/a	-	42,314	2.7 %	83,993	1.5 %	4,675	11.1 %	5,640	9.5 %
1988	374	-3.5 %	10,122	8.4 %	803	55.0 %	13,113	7.0 %	14,797	-4.2 %	4,058	4.5 %	946	92.3 %	n/a	-	44,213	4.5 %	83,227	-0.9 %	5,020	7.4 %	5,286	0.8 %
1989	396	5.8 %	10,742	6.1 %	921	14.6 %	14,285	8.9 %	14,527	-1.8 %	4,195	3.4 %	1,272	34.5 %	n/a	-	46,339	4.8 %	84,424	1.4 %	5,501	9.6 %	6,378	12.2 %
1990	452	14.3 %	10,565	-1.6 %	1,004	9.0 %	14,947	4.6 %	15,739	8.3 %	4,387	4.6 %	1,423	11.8 %	n/a	-	48,517	4.7 %	90,591	7.3 %	5,786	5.2 %	6,607	3.6 %
1991	559	23.5 %	11,127	5.3 %	886	-11.8 %	14,758	-1.3 %	13,978	-11.2 %	3,640	-17.0 %	1,650	16.0 %	n/a	-	46,597	-4.0 %	88,447	-2.4 %	6,161	6.5 %	6,879	4.1 %
1992	364	-34.9 %	8,542	-23.2 %	867	-2.2 %	14,517	-1.6 %	12,819	-8.3 %	3,757	3.2 %	1,727	4.7 %	n/a	-	42,593	-8.6 %	82,390	-6.8 %	5,976	-3.0 %	7,233	5.1 %
1993	425	16.9 %	7,120	-16.6 %	930	7.3 %	12,381	-14.7 %	11,818	-7.8 %	3,551	-5.5 %	1,518	-12.1 %	1,222	-	38,965	-8.5 %	73,237	-11.1 %	5,626	-5.9 %	7,130	-1.4 %
1994	411	-3.2 %	6,327	-11.1 %	906	-2.6 %	11,963	-3.4 %	11,547	-2.3 %	3,284	-7.5 %	964	-36.5 %	1,141	-6.7 %	36,542	-6.2 %	67,644	-7.6 %	6,407	13.9 %	7,030	-1.4 %
1995	468	13.7 %	5,358	-15.3 %	957	5.6 %	11,157	-6.7 %	12,951	12.2 %	3,114	-5.2 %	1,233	27.9 %	1,410	23.6 %	36,647	0.3 %	65,070	-3.8 %	6,834	6.7 %	7,192	2.3 %
Average																								
1980 - 95		1.3 %		2.1 %		7.7 %		1.3 %		1.3 %		2.4 %		8.9 %		-		1.7 %		0.6 %		7.2 %		6.7 %

Note: Compared to the 1996 edition of this table changes occur as a result of revised GDP deflators (see table in Annex)

 r Revised  
 e Estimated

 Sources: EU: Industrial Associations / DGIII Annual Survey  
 USA: Aerospace Industries Association (AIA)  
 CANADA: Industry Canada; JAPAN: SJAC

TABLE 9.5

## FINAL AEROSPACE TURNOVER CONSOLIDATED AT COMMUNITY LEVEL

In Current Prices

	BE		DE		ES		FR		GB		IT		NL		SE		EU		USA		CANADA		JAPAN	
	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100	Mio ECU	Index EU = 100
1980	263	2	1,880	17	160	1	5,437	34	6,018	37	760	6	365	2	n/a	-	<b>14,884</b>	100	34,041	229	1,353	9	1,273	9
1981	349	2	2,191	17	235	1	6,556	34	7,045	35	1,307	9	373	2	n/a	-	<b>18,057</b>	100	49,118	272	2,078	12	1,685	9
1982	338	2	2,782	18	334	2	7,303	34	7,328	33	1,623	10	408	2	n/a	-	<b>20,115</b>	100	59,945	298	2,292	11	2,540	13
1983	271	1	2,850	18	336	2	7,950	36	7,514	32	1,698	10	518	2	n/a	-	<b>21,137</b>	100	72,021	341	2,353	11	2,914	14
1984	205	1	3,009	17	376 e	2	9,082	35	8,561	33	1,744	10	528	2	n/a	-	<b>23,504</b>	100	84,171	358	3,264	14	3,642	15
1985	260	1	3,863	19	403 e	2	10,278	34	9,382	32	1,830	10	533	1	n/a	-	<b>26,550</b>	100	103,325	389	3,998	15	4,652	18
1986	227	1	6,224	24	342 e	1	10,264	31	9,550	33	1,977	9	584	1	n/a	-	<b>29,168</b>	100	86,465	296	3,587	12	4,815	17
1987	224	1	6,843	23	342	1	10,212	30	10,737	35	2,093	9	432	1	n/a	-	<b>30,883</b>	100	77,089	250	3,730	12	5,225	17
1988	246	1	7,338	24	582	2	10,740	30	11,368	33	2,260	9	858	2	n/a	-	<b>33,392</b>	100	77,449	232	4,406	13	5,831	17
1989	223	1	8,220	24	757	2	12,895	31	12,036	31	2,558	9	1,157	2	n/a	-	<b>37,846</b>	100	88,029	233	5,653	15	6,653	18
1990	244	1	8,242	23	873	2	13,903	31	12,994	32	2,867	9	1,336	3	n/a	-	<b>40,459</b>	100	85,161	210	5,381	13	5,834	14
1991	351	1	9,119	24	814	2	13,540	32	11,859	29	2,704	9	1,602	3	n/a	-	<b>39,989</b>	100	88,447	221	6,161	15	6,879	17
1992	236	1	7,716	20	826	2	13,956	34	11,489	30	2,811	10	1,751	3	n/a	-	<b>38,785</b>	100	80,539	208	5,479	14	7,458	19
1993	308	1	6,878	18	585	2	12,589	33	10,429	30	2,399	10	1,651	3	1,005	3	<b>35,845</b>	100	80,912 r	226	5,409	15	9,339	26
1994	330	1	6,446 r	17	554	2	12,514	33	10,371	31	2,221	10	1,038	2	972	3	<b>34,446 r</b>	100	75,121 r	218	5,767	17	9,908 r	29
1995	370	1	5,719	15	575	2	11,975	32	10,824	34	1,947	10	1,385 e	3	1,233	3	<b>34,027</b>	100	67,381	198	5,649	17	9,938	29

r Revised  
e Estimated

Sources: EU: Industrial Associations / DGIII Annual Survey  
USA: Aerospace Industries Association (AIA)  
CANADA: Industry Canada; JAPAN: SJAC

TABLE 9.6

## FINAL AEROSPACE TURNOVER CONSOLIDATED AT COMMUNITY LEVEL

In Constant 1991 Prices

	BE		DE		ES		FR		GB		IT		NL		SE		EU		USA		CANADA		JAPAN	
	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %	Mio ECU	Growth Rate %
1980	403		3,175		327		8,683		10,016		1,733		546		n/a		24,883		61,489		2,583		2,992	
1981	516	28.2%	3,534	11.3%	440	34.5%	9,674	11.4%	9,734	-2.8%	2,659	53.5%	532	-2.6%	n/a	-	27,090	8.9%	64,883	5.5%	2,944	14.0%	2,964	-0.9%
1982	505	-2.1%	4,059	14.8%	574	30.5%	10,267	6.1%	9,527	-2.1%	2,950	10.9%	520	-2.2%	n/a	-	28,402	4.8%	65,458	0.9%	2,697	-8.4%	4,356	47.0%
1983	389	-23.0%	3,853	-5.1%	612	6.7%	10,721	4.4%	9,709	1.9%	2,738	-7.2%	628	20.8%	n/a	-	28,651	0.9%	68,708	5.0%	2,397	-11.1%	4,262	-2.2%
1984	280	-28.1%	3,929	2.0%	610	e -0.3%	11,562	7.8%	10,654	9.7%	2,580	-5.8%	627	-0.2%	n/a	-	30,242	5.6%	68,532	-0.3%	3,005	25.3%	4,594	7.8%
1985	331	18.2%	4,910	25.0%	620	e 1.5%	12,244	5.9%	10,994	3.2%	2,603	0.9%	620	-1.1%	n/a	-	32,321	6.9%	78,552	14.6%	3,659	21.8%	5,545	20.7%
1986	272	-17.8%	7,332	49.3%	504	e -18.7%	11,624	-5.1%	12,362	12.4%	2,633	1.2%	648	4.6%	n/a	-	35,375	9.4%	82,738	5.3%	4,208	15.0%	5,153	-7.1%
1987	258	-5.2%	7,706	5.1%	492	-2.3%	11,453	-1.5%	13,907	12.5%	2,685	1.9%	470	-27.5%	n/a	-	36,970	4.5%	83,993	1.5%	4,675	11.1%	5,640	9.5%
1988	281	9.0%	8,147	5.7%	768	56.1%	11,883	3.8%	13,076	-6.0%	2,791	4.0%	922	96.2%	n/a	-	37,868	2.4%	83,227	-0.9%	5,020	7.4%	5,686	0.8%
1989	243	-13.3%	8,894	9.2%	883	14.9%	13,832	16.4%	13,107	0.2%	2,920	4.6%	1,228	33.1%	n/a	-	41,108	8.6%	84,424	1.4%	5,501	9.6%	6,378	12.2%
1990	253	4.0%	8,564	-3.7%	942	6.7%	14,240	2.9%	14,092	7.5%	3,063	4.9%	1,372	11.8%	n/a	-	42,527	3.5%	90,591	7.3%	5,786	5.2%	6,607	3.6%
1991	351	38.7%	9,119	6.5%	814	-13.6%	13,540	-4.9%	11,859	-15.8%	2,704	-11.7%	1,602	16.8%	n/a	-	39,989	-6.0%	88,447	-2.4%	6,161	6.5%	6,879	4.1%
1992	224	-36.1%	7,205	-21.0%	798	-1.9%	13,424	-0.9%	11,580	-2.3%	2,794	3.3%	1,685	5.1%	n/a	-	37,710	-5.7%	82,390	-6.8%	5,976	-3.0%	7,233	5.1%
1993	274	22.4%	5,931	-17.7%	610	-23.5%	11,449	-14.7%	10,775	-7.0%	2,638	-5.6%	1,491	-11.5%	1,182	-	24,351	-8.9%	73,237	r -11.1%	5,626	-5.9%	7,130	-1.4%
1994	281	2.5%	5,406	r -8.8%	592	-2.9%	11,123	-2.9%	10,435	-3.2%	2,452	-7.0%	912	-38.9%	1,118	-5.5%	32,319	r -5.9%	67,644	r -7.6%	6,407	13.9%	7,030	r -1.4%
1995	302	7.2%	4,567	-15.5%	601	1.4%	10,375	-6.7%	11,365	8.9%	2,278	-7.1%	1,167	e 28.0%	1,387	24.1%	32,042	-0.9%	65,070	-3.8%	6,834	6.7%	7,192	2.3%
Average 1980 - 95		0.3%		3.8%		5.9%		1.5%		1.1%		2.7%		8.8%	-		1.9%		0.6%		7.2%		6.7%	

Note: Compared to the 1996 edition of this table changes occur as a result of revised GDP deflators (see table in Annex)

 r Revised  
 e Estimated

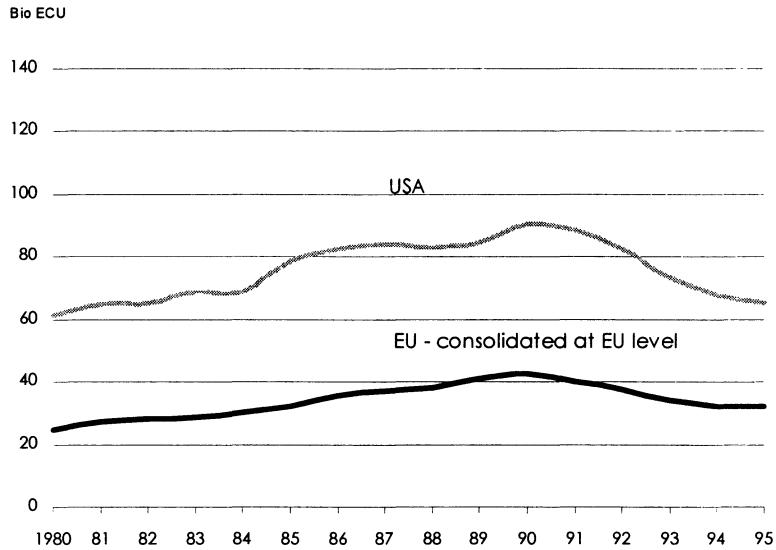
Sources: EU: Industrial Associations / DGIII Annual Survey

USA: Aerospace Industries Association (AIA)

CANADA: Industry Canada; JAPAN: SJAC

**CHART 9.3**

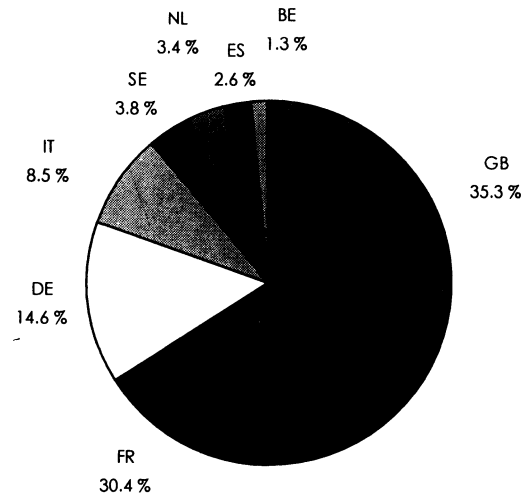
**EU and USA Aerospace Turnover  
at Constant 1991 Prices**



Sources: EU: Industrial Associations / DGIII Annual Survey  
USA: Aerospace Industries Association (AIA)

**CHART 9.4**

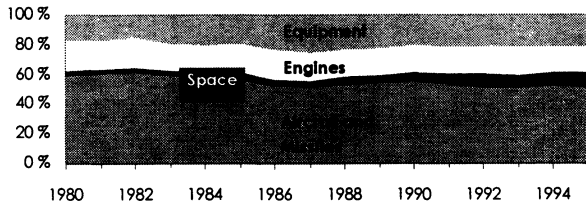
**EU Turnover Breakdown by Country  
1995 Current Prices  
Consolidated at National Level**



Source: Industrial Associations / DGIII Annual Survey

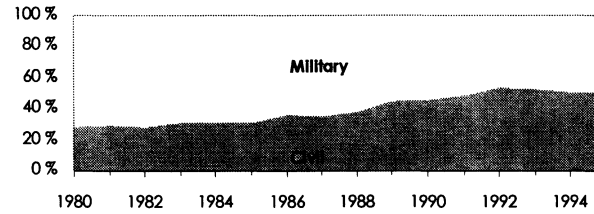
**CHART 9.5**

**EU Turnover Breakdown by Sector  
Consolidated at EU level**



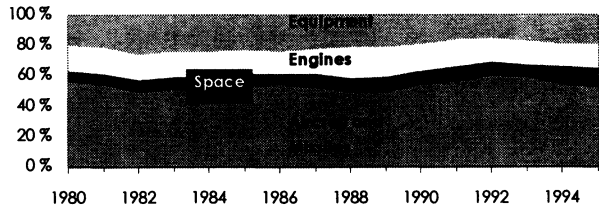
Source: Industrial Associations / DGIII Annual Survey

**EU Turnover Breakdown by Destination  
Consolidated at EU level**



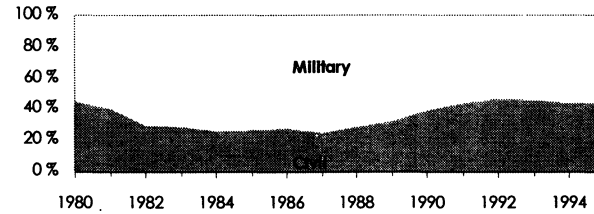
Source: Industrial Associations / DGIII Annual Survey

**USA Turnover Breakdown by Sector**



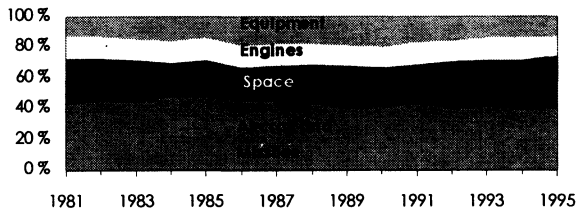
Source: Aerospace Industries Association (AIA)

**USA Turnover Breakdown by Destination**



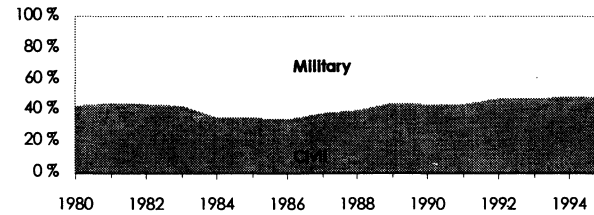
Source: Aerospace Industries Association (AIA)

**Japan Turnover Breakdown by Sector**



Source: SJAC

**Japan Turnover Breakdown by Destination**



Source: SJAC

TABLE 9.7

## COMPARATIVE BREAKDOWN OF AEROSPACE TURNOVER

By Sector and by Destination in % of Total in Constant 1991 prices

	EU Overall Non-Consolidated					EU Final Consolidated at EU Level						
	Sector				Destination		Sector				Destination	
	Aircraft and Missiles	Space	Engines	Equipment	Civil	Military	Aircraft and Missiles	Space	Engines	Equipment	Civil	Military
1980	54.3 %	3.1 %	19.5 %	23.1 %	29.7 %	70.3 %	59.5 %	3.1 %	20.5 %	16.9 %	28.2 %	71.8 %
1981	54.5 %	3.0 %	19.3 %	23.3 %	29.8 %	70.2 %	60.6 %	2.9 %	19.4 %	17.1 %	29.6 %	70.4 %
1982	55.0 %	3.7 %	19.5 %	21.8 %	29.8 %	70.2 %	61.8 %	2.7 %	19.9 %	15.6 %	28.2 %	71.8 %
1983	54.5 %	3.7 %	17.3 %	24.5 %	32.6 %	67.4 %	59.5 %	3.2 %	18.4 %	18.9 %	31.7 %	68.3 %
1984	53.4 %	4.1 %	17.8 %	24.8 %	31.7 %	68.3 %	57.8 %	3.7 %	18.7 %	19.9 %	31.3 %	68.7 %
1985	51.7 %	5.5 %	18.6 %	24.2 %	33.5 %	66.5 %	56.6 %	4.9 %	19.0 %	19.4 %	31.7 %	68.3 %
1986	46.8 %	5.4 %	18.1 %	29.6 %	36.6 %	63.4 %	52.3 %	4.7 %	19.3 %	23.7 %	36.6 %	63.4 %
1987	46.9 %	4.5 %	18.0 %	30.5 %	36.5 %	63.5 %	51.8 %	3.5 %	19.4 %	25.3 %	35.6 %	64.4 %
1988	49.5 %	5.3 %	16.6 %	28.6 %	39.8 %	60.2 %	53.6 %	4.9 %	17.8 %	23.7 %	38.7 %	61.3 %
1989	49.1 %	6.3 %	17.5 %	27.2 %	44.1 %	55.9 %	54.3 %	5.6 %	18.0 %	22.1 %	45.0 %	55.0 %
1990	49.5 %	8.0 %	17.4 %	25.0 %	47.3 %	52.7 %	55.3 %	5.9 %	18.2 %	20.7 %	46.6 %	53.4 %
1991	47.7 %	8.4 %	16.8 %	27.0 %	51.0 %	49.0 %	53.6 %	6.6 %	18.4 %	21.5 %	49.2 %	50.8 %
1992	46.1 %	9.6 %	17.5 %	26.8 %	54.3 %	45.7 %	51.9 %	8.4 %	18.4 %	21.4 %	54.0 %	46.0 %
1993	46.7 %	9.5 %	17.7 %	26.2 %	53.2 %	46.8 %	51.7 %	8.3 %	18.9 %	21.0 %	53.0 %	47.0 %
1994 <sup>r</sup>	46.7 %	10.0 %	16.9 %	26.3 %	52.5 %	47.5 %	52.2 %	8.6 %	18.1 %	21.0 %	51.5 %	48.5 %
1995	46.2 %	11.6 %	16.6 %	25.6 %	53.2 %	46.8 %	51.8 %	10.2 %	16.3 %	21.6 %	50.7 %	49.3 %

r Revised

Source: Industrial Associations / DGIII Annual Survey



TABLE 9.8

**COMPARATIVE BREAKDOWN OF AEROSPACE TURNOVER**

By Sector and by Destination in % of Total in Constant 1991 prices

	USA						JAPAN					
	Sector				Destination		Sector				Destination	
	Aircraft and Missiles	Space	Engines	Equipment	Civil	Military	Aircraft and Missiles	Space	Engines	Equipment	Civil	Military
1980	56.1 %	7.3 %	16.5 %	20.0 %	45.5 %	54.5 %	n/a	n/a	n/a	n/a	43.5 %	56.5 %
1981	54.2 %	7.0 %	17.7 %	21.0 %	40.8 %	59.2 %	42.8 %	29.4 %	15.0 %	12.8 %	44.7 %	55.3 %
1982	49.2 %	8.1 %	17.4 %	25.3 %	29.4 %	70.6 %	45.6 %	27.3 %	14.1 %	13.1 %	43.9 %	56.1 %
1983	52.0 %	7.7 %	16.2 %	24.2 %	29.1 %	70.9 %	44.2 %	27.7 %	13.5 %	14.7 %	43.4 %	56.6 %
1984	51.7 %	7.9 %	17.1 %	23.3 %	25.9 %	74.1 %	47.8 %	21.7 %	15.0 %	15.5 %	35.4 %	64.6 %
1985	53.6 %	8.0 %	15.4 %	23.0 %	26.6 %	73.4 %	48.3 %	23.5 %	14.3 %	13.9 %	35.5 %	64.5 %
1986	54.3 %	7.4 %	15.0 %	23.3 %	27.4 %	72.6 %	44.9 %	21.6 %	15.2 %	18.3 %	34.5 %	65.5 %
1987	52.5 %	9.0 %	16.9 %	21.6 %	25.0 %	75.0 %	44.8 %	23.1 %	14.0 %	18.0 %	38.0 %	62.0 %
1988	49.3 %	9.4 %	20.1 %	21.1 %	28.5 %	71.5 %	43.0 %	25.1 %	13.8 %	18.0 %	40.8 %	59.2 %
1989	49.2 %	10.1 %	19.6 %	21.2 %	32.4 %	67.6 %	40.3 %	27.7 %	13.6 %	18.4 %	44.8 %	55.2 %
1990	54.4 %	8.9 %	18.1 %	18.5 %	39.0 %	61.0 %	41.3 %	25.2 %	14.4 %	19.2 %	43.9 %	56.1 %
1991	56.5 %	9.6 %	17.7 %	16.2 %	44.3 %	55.7 %	43.1 %	25.7 %	14.7 %	16.4 %	44.2 %	55.8 %
1992	60.3 %	8.9 %	16.0 %	14.9 %	47.0 %	53.0 %	40.3 %	29.9 %	14.0 %	15.8 %	47.6 %	52.4 %
1993	59.7 % r	7.7 % r	16.1 % r	16.4 % r	46.2 % r	53.8 % r	41.1 %	30.6 %	14.6 %	13.7 %	48.5 %	51.5 %
1994	54.4 % r	11.9 % r	15.4 % r	18.4 % r	44.3 % r	55.7 % r	39.4 % r	32.1 % r	15.0 % r	13.6 % r	49.1 %	50.9 %
1995	52.4 %	12.6 %	16.4 %	18.6 %	44.3 %	55.7 %	40.6 %	33.7 %	13.1 %	12.7 %	49.0 %	51.0 %

r Revised

Sources: USA : Aerospace Industries Association (AIA); JAPAN: SJAC

TABLE 9.9

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

Totals at Current Prices (Million ECU)

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	1,993	1,055	3,528	6,576	3,142	2,369	1,248	6,759	847	1,758	4,455	7,060	20,394	7,707	6,984	5,703
1981	2,061	1,151	3,565	6,776	4,039	3,314	1,725	9,077	878	2,291	6,387	9,556	25,409	8,247	9,050	8,112
1982	2,153	1,251	3,880	7,285	4,504	3,799	1,846	10,149	911	2,883	7,190	10,985	28,419	9,029	10,354	9,036
1983	2,492	1,236	4,460	8,188	4,607	4,435	1,855	10,897	850	2,796	7,449	11,094	30,178	9,777	11,097	9,304
1984	2,879	1,603	4,840	9,323	4,653	4,465	2,228	11,345	1,123	2,922	7,909	11,954	32,622	10,941	11,544	10,137
1985	3,119	1,684	5,836	10,639	4,829	4,141	2,980	11,950	1,420	2,891	8,619	12,931	35,519	11,998	11,922	11,600
1986	3,560	1,959	6,416	11,934	6,018	4,734	3,930	14,682	1,561	2,705	9,038	13,304	39,920	13,324	13,629	12,968
1987	3,907	2,144	7,089	13,139	6,375	4,433	3,669	14,477	1,543	2,966	9,566	14,075	41,691	14,525	13,931	13,235
1988	3,445	2,313	7,673	13,431	7,108	5,544	3,949	16,601	1,886	3,661	10,465	16,012	46,044	14,857	16,773	14,414
1989	4,256	2,570	7,410	14,236	7,341	4,766	3,537	15,644	2,579	3,685	13,809	20,073	49,953	15,738	16,868	17,347
1990	4,793	2,913	7,132	14,838	7,505	5,672	5,737	18,914	3,031	4,214	12,640	19,885	53,637	15,949	19,312	18,377
1991	6,106	3,678	6,037	15,821	7,703	6,608	5,604	19,915	3,044	5,295	10,225	18,565	54,300	17,324	21,146	15,829
1992	5,552	3,305	5,405	14,262	7,347	5,028	4,518	16,893	2,959	8,189	8,857	20,006	51,161	16,055	21,731	13,375
1993	5,065	3,037	5,602	13,704	7,186	4,783	4,269	16,239	2,288	5,988	9,595	17,871	47,815	15,017	18,933	13,865
1994 r	4,162	2,953	5,979	13,093	6,463	4,427	4,961	15,850	2,257	5,941	8,195	16,392	45,336	14,514	17,666	13,156
1995	4,402	2,514	4,979	11,895	6,411	4,759	4,677	15,847	2,215	5,797	9,443	17,455	45,196	13,148	17,928	14,121

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.10

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

In % of Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	9.8 %	5.2 %	17.3 %	32.2 %	15.4 %	11.6 %	6.1 %	33.1 %	4.2 %	8.6 %	21.8 %	34.6 %	100.0 %	37.8 %	34.2 %	28.0 %
1981	8.1 %	4.5 %	14.0 %	26.7 %	15.9 %	13.0 %	6.8 %	35.7 %	3.5 %	9.0 %	25.1 %	37.6 %	100.0 %	32.5 %	35.6 %	31.9 %
1982	7.6 %	4.4 %	13.7 %	25.6 %	15.8 %	13.4 %	6.5 %	35.7 %	3.2 %	10.1 %	25.3 %	38.7 %	100.0 %	31.8 %	36.4 %	31.8 %
1983	8.3 %	4.1 %	14.8 %	27.1 %	15.3 %	14.7 %	6.1 %	36.1 %	2.8 %	9.3 %	24.7 %	36.8 %	100.0 %	32.4 %	36.8 %	30.8 %
1984	8.8 %	4.9 %	14.8 %	28.6 %	14.3 %	13.7 %	6.8 %	34.8 %	3.4 %	9.0 %	24.2 %	36.6 %	100.0 %	33.5 %	35.4 %	31.1 %
1985	8.8 %	4.7 %	16.4 %	30.0 %	13.6 %	11.7 %	8.4 %	33.6 %	4.0 %	8.1 %	24.3 %	36.4 %	100.0 %	33.8 %	33.6 %	32.7 %
1986	8.9 %	4.9 %	16.1 %	29.9 %	15.1 %	11.9 %	9.8 %	36.8 %	3.9 %	6.8 %	22.6 %	33.3 %	100.0 %	33.4 %	34.1 %	32.5 %
1987	9.4 %	5.1 %	17.0 %	31.5 %	15.3 %	10.6 %	8.8 %	34.7 %	3.7 %	7.1 %	22.9 %	33.8 %	100.0 %	34.8 %	33.4 %	31.7 %
1988	7.5 %	5.0 %	16.7 %	29.2 %	15.4 %	12.0 %	8.6 %	36.1 %	4.1 %	8.0 %	22.7 %	34.8 %	100.0 %	32.3 %	36.4 %	31.3 %
1989	8.5 %	5.1 %	14.8 %	28.5 %	14.7 %	9.5 %	7.1 %	31.3 %	5.2 %	7.4 %	27.6 %	40.2 %	100.0 %	31.5 %	33.8 %	34.7 %
1990	8.9 %	5.4 %	13.3 %	27.7 %	14.0 %	10.6 %	10.7 %	35.3 %	5.7 %	7.9 %	23.6 %	37.1 %	100.0 %	29.7 %	36.0 %	34.3 %
1991	11.2 %	6.8 %	11.1 %	29.1 %	14.2 %	12.2 %	10.3 %	36.7 %	5.6 %	9.8 %	18.8 %	34.2 %	100.0 %	31.9 %	38.9 %	29.2 %
1992	10.9 %	6.5 %	10.6 %	27.9 %	14.4 %	9.8 %	8.8 %	33.0 %	5.8 %	16.0 %	17.3 %	39.1 %	100.0 %	31.4 %	42.5 %	26.1 %
1993	10.6 %	6.4 %	11.7 %	28.7 %	15.0 %	10.0 %	8.9 %	34.0 %	4.8 %	12.5 %	20.1 %	37.4 %	100.0 %	31.4 %	39.6 %	29.0 %
1994 r	9.2 %	6.5 %	13.2 %	28.9 %	14.3 %	9.8 %	10.9 %	35.0 %	5.0 %	13.1 %	18.1 %	36.2 %	100.0 %	32.0 %	39.0 %	29.0 %
1995	9.7 %	5.6 %	11.0 %	26.3 %	14.2 %	10.5 %	10.3 %	35.1 %	4.9 %	12.8 %	20.9 %	38.6 %	100.0 %	29.1 %	39.7 %	31.2 %

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.11

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Civil Sector at Current Prices (Million ECU)

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1)</sup>	EU Commercial Market <sup>2)</sup>	Exports <sup>3)</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	289	66	225	579	1,389	504	687	2,581	847	626	1,501	2,975	6,135	579	3,367	2,188
1981	276	68	228	572	1,495	760	995	3,250	878	820	2,056	3,753	7,575	572	3,952	3,051
1982	347	58	273	677	1,644	1,195	1,048	3,887	911	1,139	1,933	3,983	8,548	677	4,889	2,981
1983	334	64	498	896	1,888	1,272	1,071	4,231	850	1,206	2,625	4,680	9,808	896	5,216	3,695
1984	360	58	335	753	1,787	1,240	1,422	4,448	1,123	1,303	2,777	5,204	10,405	753	5,453	4,199
1985	554	74	315	943	2,046	1,426	1,679	5,151	1,420	1,532	2,853	5,805	11,900	943	6,424	4,532
1986	716	56	666	1,438	2,356	1,562	2,226	6,144	1,561	1,315	4,236	7,113	14,695	1,438	6,794	6,463
1987	1,000	154	887	2,042	2,559	1,679	2,585	6,823	1,543	1,580	3,397	6,520	15,384	2,042	7,360	5,982
1988	631	178	999	1,807	2,959	2,453	2,650	8,062	1,886	2,235	4,422	8,543	18,413	1,807	9,533	7,072
1989	1,083	303	1,244	2,631	2,801	2,187	2,563	7,551	2,579	2,182	7,129	11,890	22,071	2,631	9,748	9,692
1990	1,404	331	1,456	3,191	3,383	3,148	4,030	10,561	3,031	3,103	5,555	11,689	25,441	3,191	12,665	9,585
1991	1,953	307	922	3,182	4,098	3,924	4,426	12,448	3,044	3,791	5,222	12,057	27,687	3,182	14,857	9,648
1992	1,821	215	690	2,726	3,814	3,067	3,276	10,157	2,959	6,396	5,629	14,985	27,868	2,726	16,236	8,905
1993	1,539	328	745	2,611	3,716	2,800	3,140	9,656	2,288	4,674	6,490	13,452	25,720	2,611	13,479	9,630
1994 <sup>r</sup>	1,041	66	962	2,069	3,566	2,570	3,493	9,629	2,257	4,519	5,608	12,384	24,082	2,069	12,912	9,101
1995	1,567	209	829	2,605	3,545	3,309	3,723	10,578	2,215	4,544	4,568	11,326	24,509	2,605	13,614	8,291

1) EU Public Market = National State

2) EU Commercial Market = National and Other EU Civil Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.12

**BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER**  
Civil Sector in % of Grand Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1)</sup>	EU Commercial Market <sup>2)</sup>	Exports <sup>3)</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	1.4 %	0.3 %	1.1 %	2.8 %	6.8 %	2.5 %	3.4 %	12.7 %	4.2 %	3.1 %	7.4 %	14.6 %	30.1 %	2.8 %	16.5 %	10.7 %
1981	1.1 %	0.3 %	0.9 %	2.3 %	5.9 %	3.0 %	3.9 %	12.8 %	3.5 %	3.2 %	8.1 %	14.8 %	29.8 %	2.3 %	15.6 %	12.0 %
1982	1.2 %	0.2 %	1.0 %	2.4 %	5.8 %	4.2 %	3.7 %	13.7 %	3.2 %	4.0 %	6.8 %	14.0 %	30.1 %	2.4 %	17.2 %	10.5 %
1983	1.1 %	0.2 %	1.6 %	3.0 %	6.3 %	4.2 %	3.5 %	14.0 %	2.8 %	4.0 %	8.7 %	15.5 %	32.5 %	3.0 %	17.3 %	12.2 %
1984	1.1 %	0.2 %	1.0 %	2.3 %	5.5 %	3.8 %	4.4 %	13.6 %	3.4 %	4.0 %	8.5 %	16.0 %	31.9 %	2.3 %	16.7 %	12.9 %
1985	1.6 %	0.2 %	0.9 %	2.7 %	5.8 %	4.0 %	4.7 %	14.5 %	4.0 %	4.3 %	8.0 %	16.3 %	33.5 %	2.7 %	18.1 %	12.8 %
1986	1.8 %	0.1 %	1.7 %	3.6 %	5.9 %	3.9 %	5.6 %	15.4 %	3.9 %	3.3 %	10.6 %	17.8 %	36.8 %	3.6 %	17.0 %	16.2 %
1987	2.4 %	0.4 %	2.1 %	4.9 %	6.1 %	4.0 %	6.2 %	16.4 %	3.7 %	3.8 %	8.1 %	15.6 %	36.9 %	4.9 %	17.7 %	14.3 %
1988	1.4 %	0.4 %	2.2 %	3.9 %	6.4 %	5.3 %	5.8 %	17.5 %	4.1 %	4.9 %	9.6 %	18.6 %	40.0 %	3.9 %	20.7 %	15.4 %
1989	2.2 %	0.6 %	2.5 %	5.3 %	5.6 %	4.4 %	5.1 %	15.1 %	5.2 %	4.4 %	14.3 %	23.8 %	44.2 %	5.3 %	19.5 %	19.4 %
1990	2.6 %	0.6 %	2.7 %	5.9 %	6.3 %	5.9 %	7.5 %	19.7 %	5.7 %	5.8 %	10.4 %	21.8 %	47.4 %	5.9 %	23.6 %	17.9 %
1991	3.6 %	0.6 %	1.7 %	5.9 %	7.5 %	7.2 %	8.2 %	22.9 %	5.6 %	7.0 %	9.6 %	22.2 %	51.0 %	5.9 %	27.4 %	17.8 %
1992	3.6 %	0.4 %	1.3 %	5.3 %	7.5 %	6.0 %	6.4 %	19.9 %	5.8 %	12.5 %	11.0 %	29.3 %	54.5 %	5.3 %	31.7 %	17.4 %
1993	3.2 %	0.7 %	1.6 %	5.5 %	7.8 %	5.9 %	6.6 %	20.2 %	4.8 %	9.8 %	13.6 %	28.1 %	53.8 %	5.5 %	28.2 %	20.1 %
1994 r	2.3 %	0.1 %	2.1 %	4.6 %	7.9 %	5.7 %	7.7 %	21.2 %	5.0 %	10.0 %	12.4 %	27.3 %	53.1 %	4.6 %	28.5 %	20.1 %
1995	3.5 %	0.5 %	1.8 %	5.8 %	7.8 %	7.3 %	8.2 %	23.4 %	4.9 %	10.1 %	10.1 %	25.1 %	54.2 %	5.8 %	30.1 %	18.3 %

1) EU Public Market = National State

2) EU Commercial Market = National and Other EU Civil Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.13

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Military Sector at Current Prices (Million ECU)

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1)</sup>	EU Commercial Market <sup>2)</sup>	Exports <sup>3)</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	1,704	989	3,304	5,996	1,752	1,865	562	4,179	-	1,132	2,953	4,085	14,260	7,128	3,617	3,515
1981	1,785	1,083	3,336	6,204	2,544	2,554	730	5,828	-	1,472	4,331	5,802	17,834	7,676	5,098	5,061
1982	1,807	1,192	3,608	6,607	2,860	2,604	797	6,262	-	1,744	5,257	7,002	19,871	8,351	5,465	6,055
1983	2,157	1,172	3,962	7,291	2,719	3,163	784	6,666	-	1,590	4,824	6,414	20,371	8,881	5,881	5,608
1984	2,519	1,546	4,505	8,570	2,866	3,225	806	6,897	-	1,618	5,132	6,750	22,216	10,188	6,091	5,938
1985	2,565	1,609	5,521	9,695	2,783	2,714	1,301	6,799	-	1,359	5,766	7,125	23,619	11,054	5,497	7,068
1986	2,844	1,903	5,750	10,496	3,662	3,172	1,703	8,538	-	1,390	4,801	6,191	25,225	11,886	6,834	6,505
1987	2,907	1,989	6,201	11,098	3,816	2,754	1,084	7,654	-	1,386	6,169	7,555	26,307	12,484	6,570	7,253
1988	2,814	2,135	6,675	11,624	4,150	3,090	1,299	8,539	-	1,426	6,043	7,469	27,631	13,050	7,240	7,342
1989	3,173	2,266	6,166	11,605	4,540	2,579	974	8,093	-	1,502	6,680	8,183	27,881	13,108	7,119	7,655
1990	3,389	2,581	5,676	11,647	4,123	2,524	1,707	8,354	-	1,111	7,085	8,196	28,196	12,758	6,647	8,791
1991	4,152	3,371	5,115	12,638	3,605	2,684	1,178	7,467	-	1,504	5,003	6,507	26,612	14,142	6,289	6,181
1992	3,730	3,090	4,715	11,535	3,534	1,961	1,242	6,737	-	1,793	3,228	5,021	23,293	13,328	5,495	4,470
1993	3,527	2,709	4,857	11,093	3,470	1,983	1,129	6,583	-	1,313	3,106	4,419	22,095	12,406	5,453	4,235
1994 r	3,120	2,887	5,017	11,024	2,897	1,857	1,468	6,221	-	1,421	2,587	4,008	21,254	12,446	4,754	4,054
1995	2,836	2,305	4,150	9,290	2,865	1,449	954	5,269	-	1,253	4,876	6,129	20,688	10,543	4,315	5,830

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Military Manufacturers

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.14

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Military Sector in % of Grand Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	8.4 %	4.8 %	16.2 %	29.4 %	8.6 %	9.1 %	2.8 %	20.5 %	-	5.5 %	14.5 %	20.0 %	69.9 %	35.0 %	17.7 %	17.2 %
1981	7.0 %	4.3 %	13.1 %	24.4 %	10.0 %	10.1 %	2.9 %	22.9 %	-	5.8 %	17.0 %	22.8 %	70.2 %	30.2 %	20.1 %	19.9 %
1982	6.4 %	4.2 %	12.7 %	23.2 %	10.1 %	9.2 %	2.8 %	22.0 %	-	6.1 %	18.5 %	24.6 %	69.9 %	29.4 %	19.2 %	21.3 %
1983	7.1 %	3.9 %	13.1 %	24.2 %	9.0 %	10.5 %	2.6 %	22.1 %	-	5.3 %	16.0 %	21.3 %	67.5 %	29.4 %	19.5 %	18.6 %
1984	7.7 %	4.7 %	13.8 %	26.3 %	8.8 %	9.9 %	2.5 %	21.1 %	-	5.0 %	15.7 %	20.7 %	68.1 %	31.2 %	18.7 %	18.2 %
1985	7.2 %	4.5 %	15.5 %	27.3 %	7.8 %	7.6 %	3.7 %	19.1 %	-	3.8 %	16.2 %	20.1 %	66.5 %	31.1 %	15.5 %	19.9 %
1986	7.1 %	4.8 %	14.4 %	26.3 %	9.2 %	7.9 %	4.3 %	21.4 %	-	3.5 %	12.0 %	15.5 %	63.2 %	29.8 %	17.1 %	16.3 %
1987	7.0 %	4.8 %	14.9 %	26.6 %	9.2 %	6.6 %	2.6 %	18.4 %	-	3.3 %	14.8 %	18.1 %	63.1 %	29.9 %	15.8 %	17.4 %
1988	6.1 %	4.6 %	14.5 %	25.2 %	9.0 %	6.7 %	2.8 %	18.5 %	-	3.1 %	13.1 %	16.2 %	60.0 %	28.3 %	15.7 %	15.9 %
1989	6.4 %	4.5 %	12.3 %	23.2 %	9.1 %	5.2 %	2.0 %	16.2 %	-	3.0 %	13.4 %	16.4 %	55.8 %	26.2 %	14.3 %	15.3 %
1990	6.3 %	4.8 %	10.6 %	21.7 %	7.7 %	4.7 %	3.2 %	15.6 %	-	2.1 %	13.2 %	15.3 %	52.6 %	23.8 %	12.4 %	16.4 %
1991	7.6 %	6.2 %	9.4 %	23.3 %	6.6 %	4.9 %	2.2 %	13.8 %	-	2.8 %	9.2 %	12.0 %	49.0 %	26.0 %	11.6 %	11.4 %
1992	7.3 %	6.0 %	9.2 %	22.5 %	6.9 %	3.8 %	2.4 %	13.2 %	-	3.5 %	6.3 %	9.8 %	45.5 %	26.1 %	10.7 %	8.7 %
1993	7.4 %	5.7 %	10.2 %	23.2 %	7.3 %	4.1 %	2.4 %	13.8 %	-	2.7 %	6.5 %	9.2 %	46.2 %	25.9 %	11.4 %	8.9 %
1994 <sup>r</sup>	6.9 %	6.4 %	11.1 %	24.3 %	6.4 %	4.1 %	3.2 %	13.7 %	-	3.1 %	5.7 %	8.8 %	46.9 %	27.5 %	10.5 %	8.9 %
1995	6.3 %	5.1 %	9.2 %	20.6 %	6.3 %	3.2 %	2.1 %	11.7 %	-	2.8 %	10.8 %	13.6 %	45.8 %	23.3 %	9.5 %	12.9 %

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Military Manufacturers

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.15

**BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER**  
**Aircraft and Missiles Sector at Current Prices (Million ECU)**

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	1,093	554	2,052	3,699	938	1,265	361	2,563	349	1,072	3,361	4,782	11,043	4,371	2,951	3,721
1981	1,133	600	1,963	3,697	1,212	1,624	374	3,210	410	1,322	4,951	6,683	13,589	4,457	3,807	5,325
1982	1,137	657	2,021	3,815	1,356	1,791	506	3,653	473	1,846	5,599	7,918	15,386	4,779	4,503	6,104
1983	1,312	626	2,310	4,248	1,441	2,383	389	4,213	335	1,791	5,708	7,833	16,294	5,030	5,167	6,097
1984	1,590	818	2,120	4,528	1,343	2,461	415	4,218	500	1,705	6,341	8,546	17,293	5,254	5,283	6,756
1985	1,653	836	3,112	5,602	1,315	1,984	754	4,053	568	1,745	6,278	8,591	18,246	6,186	5,028	7,032
1986	1,953	964	2,898	5,814	1,407	2,038	1,482	4,927	368	1,298	6,297	7,963	18,704	6,166	4,759	7,778
1987	2,031	1,080	3,249	6,360	1,494	2,059	799	4,351	367	1,482	6,989	8,838	19,549	6,712	5,050	7,788
1988	1,694	1,147	3,392	6,233	2,172	2,705	1,223	6,100	425	2,198	7,792	10,416	22,749	6,665	7,069	9,016
1989	2,418	1,329	3,302	7,049	1,965	2,003	913	4,881	855	2,715	8,976	12,545	24,476	7,990	6,597	9,839
1990	2,345	1,630	3,406	7,380	1,803	2,364	2,464	6,631	1,323	3,174	8,018	12,515	26,526	8,042	8,003	10,482
1991	2,654	2,201	3,182	8,038	1,435	3,044	2,417	6,896	1,320	3,681	5,961	10,963	25,897	8,829	8,689	8,378
1992	2,463	1,927	2,460	6,851	2,112	1,315	1,168	4,595	1,067	6,321	4,742	12,130	23,576	7,936	9,729	5,910
1993	2,319	1,726	2,645	6,689	2,229	1,477	1,079	4,784	581	4,441	5,842	10,864	22,338	7,386	8,031	6,921
1994 r	1,856	1,715	2,736	6,357	1,762	1,341	1,735	4,838	688	4,599	4,733	10,020	21,215	7,258	7,489	6,468
1995	1,306	1,123	2,460	4,889	1,378	1,750	738	3,866	986	4,277	6,729	11,992	20,747	5,532	7,748	7,467

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey



TABLE 9.16

**BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER**  
**Aircraft and Missiles Sector in % of Grand Totals**

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	5.4 %	2.7 %	10.1 %	18.1 %	4.6 %	6.2 %	1.8 %	12.6 %	1.7 %	5.3 %	16.5 %	23.4 %	54.1 %	21.4 %	14.5 %	18.2 %
1981	4.5 %	2.4 %	7.7 %	14.5 %	4.8 %	6.4 %	1.5 %	12.6 %	1.6 %	5.2 %	19.5 %	26.3 %	53.5 %	17.5 %	15.0 %	21.0 %
1982	4.0 %	2.3 %	7.1 %	13.4 %	4.8 %	6.3 %	1.8 %	12.9 %	1.7 %	6.5 %	19.7 %	27.9 %	54.1 %	16.8 %	15.8 %	21.5 %
1983	4.3 %	2.1 %	7.7 %	14.1 %	4.8 %	7.9 %	1.3 %	14.0 %	1.1 %	5.9 %	18.9 %	26.0 %	54.0 %	16.7 %	17.1 %	20.2 %
1984	4.9 %	2.5 %	6.5 %	13.9 %	4.1 %	7.5 %	1.3 %	12.9 %	1.5 %	5.2 %	19.4 %	26.2 %	53.0 %	16.1 %	16.2 %	20.7 %
1985	4.7 %	2.4 %	8.8 %	15.8 %	3.7 %	5.6 %	2.1 %	11.4 %	1.6 %	4.9 %	17.7 %	24.2 %	51.4 %	17.4 %	14.2 %	19.8 %
1986	4.9 %	2.4 %	7.3 %	14.6 %	3.5 %	5.1 %	3.7 %	12.3 %	0.9 %	3.3 %	15.8 %	19.9 %	46.9 %	15.4 %	11.9 %	19.5 %
1987	4.9 %	2.6 %	7.8 %	15.3 %	3.6 %	4.9 %	1.9 %	10.4 %	0.9 %	3.6 %	16.8 %	21.2 %	46.9 %	16.1 %	12.1 %	18.7 %
1988	3.7 %	2.5 %	7.4 %	13.5 %	4.7 %	5.9 %	2.7 %	13.2 %	0.9 %	4.8 %	16.9 %	22.6 %	49.4 %	14.5 %	15.4 %	19.6 %
1989	4.8 %	2.7 %	6.6 %	14.1 %	3.9 %	4.0 %	1.8 %	9.8 %	1.7 %	5.4 %	18.0 %	25.1 %	49.0 %	16.0 %	13.2 %	19.8 %
1990	4.4 %	3.0 %	6.4 %	13.8 %	3.4 %	4.4 %	4.6 %	12.4 %	2.5 %	5.9 %	14.9 %	23.3 %	49.5 %	15.0 %	14.9 %	19.5 %
1991	4.9 %	4.1 %	5.9 %	14.8 %	2.6 %	5.6 %	4.5 %	12.7 %	2.4 %	6.8 %	11.0 %	20.2 %	47.7 %	16.3 %	16.0 %	15.4 %
1992	4.8 %	3.8 %	4.8 %	13.4 %	4.1 %	2.6 %	2.3 %	9.0 %	2.1 %	12.4 %	9.3 %	23.7 %	46.1 %	15.5 %	19.0 %	11.6 %
1993	4.8 %	3.6 %	5.5 %	14.0 %	4.7 %	3.1 %	2.3 %	10.0 %	1.2 %	9.3 %	12.2 %	22.7 %	46.7 %	15.4 %	16.8 %	14.5 %
1994 r	4.1 %	3.8 %	6.1 %	14.0 %	3.9 %	3.0 %	3.8 %	10.7 %	1.5 %	10.1 %	10.4 %	22.1 %	46.8 %	16.0 %	16.5 %	14.3 %
1995	2.9 %	2.5 %	5.4 %	10.8 %	3.0 %	3.9 %	1.6 %	8.6 %	2.2 %	9.5 %	14.9 %	26.5 %	45.9 %	12.2 %	17.1 %	16.5 %

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.17

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Space Sector at Current Prices (Million ECU)

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	165	5	60	229	39	120	20	179	10	123	85	218	626	230	292	104
1981	152	1	90	242	69	143	16	227	14	147	111	272	742	242	373	127
1982	214	3	134	351	147	362	24	534	13	81	67	161	1,046	351	603	91
1983	259	5	185	450	95	353	61	509	17	91	66	174	1,132	450	555	127
1984	283	6	185	475	108	339	59	505	95	185	52	331	1,311	475	725	111
1985	479	18	243	741	214	414	31	659	219	221	85	525	1,925	741	1,067	116
1986	235	15	233	483	255	519	58	832	341	170	365	877	2,191	484	1,285	423
1987	291	30	235	556	434	393	68	896	234	169	77	481	1,933	556	1,231	146
1988	402	26	374	803	308	507	34	848	334	311	154	799	2,449	865	1,396	188
1989	605	17	441	1,063	436	564	118	1,118	294	187	473	954	3,135	1,168	1,377	590
1990	877	10	771	1,658	760	1,200	244	2,205	333	101	75	509	4,372	1,663	2,389	320
1991	1,438	48	333	1,819	999	937	83	2,018	308	226	201	736	4,573	1,823	2,466	284
1992	1,501	19	348	1,868	473	1,229	77	1,779	656	558	120	1,334	4,981	1,868	2,916	197
1993	1,322	21	481	1,823	572	994	94	1,660	655	318	178	1,151	4,634	1,823	2,539	272
1994	883	13	803	1,699	784	843	165	1,792	606	318	266	1,190	4,681	1,699	2,551	431
1995	1,602	20	690	2,312	665	1,174	127	1,967	564	438	197	1,200	5,478	2,315	2,838	325

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.18

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Space Sector in % of Grand Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	0.8 %	0.0 %	0.3 %	1.1 %	0.2 %	0.6 %	0.1 %	0.9 %	0.1 %	0.6 %	0.4 %	1.1 %	3.1 %	1.1 %	1.4 %	0.5 %
1981	0.6 %	0.0 %	0.4 %	1.0 %	0.3 %	0.6 %	0.1 %	0.9 %	0.1 %	0.6 %	0.4 %	1.1 %	2.9 %	1.0 %	1.5 %	0.5 %
1982	0.8 %	0.0 %	0.5 %	1.2 %	0.5 %	1.3 %	0.1 %	1.9 %	0.0 %	0.3 %	0.2 %	0.6 %	3.7 %	1.2 %	2.1 %	0.3 %
1983	0.9 %	0.0 %	0.6 %	1.5 %	0.3 %	1.2 %	0.2 %	1.7 %	0.1 %	0.3 %	0.2 %	0.6 %	3.8 %	1.5 %	1.8 %	0.4 %
1984	0.9 %	0.0 %	0.6 %	1.5 %	0.3 %	1.0 %	0.2 %	1.5 %	0.3 %	0.6 %	0.2 %	1.0 %	4.0 %	1.5 %	2.2 %	0.3 %
1985	1.3 %	0.1 %	0.7 %	2.1 %	0.6 %	1.2 %	0.1 %	1.9 %	0.6 %	0.6 %	0.2 %	1.5 %	5.4 %	2.1 %	3.0 %	0.3 %
1986	0.6 %	0.0 %	0.6 %	1.2 %	0.6 %	1.3 %	0.1 %	2.1 %	0.9 %	0.4 %	0.9 %	2.2 %	5.5 %	1.2 %	3.2 %	1.1 %
1987	0.7 %	0.1 %	0.6 %	1.3 %	1.0 %	0.9 %	0.2 %	2.1 %	0.6 %	0.4 %	0.2 %	1.2 %	4.6 %	1.3 %	3.0 %	0.3 %
1988	0.9 %	0.1 %	0.8 %	1.7 %	0.7 %	1.1 %	0.1 %	1.8 %	0.7 %	0.7 %	0.3 %	1.7 %	5.3 %	1.9 %	3.0 %	0.4 %
1989	1.2 %	0.0 %	0.9 %	2.1 %	0.9 %	1.1 %	0.2 %	2.2 %	0.6 %	0.4 %	0.9 %	1.9 %	6.3 %	2.3 %	2.8 %	1.2 %
1990	1.6 %	0.0 %	1.4 %	3.1 %	1.4 %	2.2 %	0.5 %	4.1 %	0.6 %	0.2 %	0.1 %	0.9 %	8.2 %	3.1 %	4.5 %	0.6 %
1991	2.6 %	0.1 %	0.6 %	3.4 %	1.8 %	1.7 %	0.2 %	3.7 %	0.6 %	0.4 %	0.4 %	1.4 %	8.4 %	3.4 %	4.5 %	0.5 %
1992	2.9 %	0.0 %	0.7 %	3.7 %	0.9 %	2.4 %	0.2 %	3.5 %	1.3 %	1.1 %	0.2 %	2.6 %	9.7 %	3.7 %	5.7 %	0.4 %
1993	2.8 %	0.0 %	1.0 %	3.8 %	1.2 %	2.1 %	0.2 %	3.5 %	1.4 %	0.7 %	0.4 %	2.4 %	9.7 %	3.8 %	5.3 %	0.6 %
1994	1.9 %	0.0 %	1.8 %	3.7 %	1.7 %	1.9 %	0.4 %	4.0 %	1.3 %	0.7 %	0.6 %	2.6 %	10.3 %	3.7 %	5.6 %	1.0 %
1995	3.5 %	0.0 %	1.5 %	5.1 %	1.5 %	2.6 %	0.3 %	4.4 %	1.2 %	1.0 %	0.4 %	2.7 %	12.1 %	5.1 %	6.3 %	0.7 %

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.19

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Engine Sector at Current Prices (Million ECU)

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	290	286	637	1,213	627	305	522	1,454	286	432	612	1,331	3,998	1,605	1,260	1,134
1981	324	297	553	1,175	877	532	786	2,195	234	656	769	1,658	5,028	1,796	1,677	1,555
1982	346	325	610	1,281	975	566	836	2,377	214	802	967	1,984	5,642	1,947	1,891	1,803
1983	375	326	555	1,255	738	580	886	2,203	294	769	728	1,791	5,249	1,959	1,676	1,613
1984	290	389	694	1,373	775	637	1,078	2,490	237	885	851	1,973	5,836	2,202	1,705	1,929
1985	324	374	661	1,360	951	608	1,263	2,822	293	763	1,421	2,477	6,659	2,044	1,930	2,684
1986	252	352	933	1,537	885	692	1,537	3,114	440	792	1,301	2,533	7,184	2,283	2,063	2,838
1987	390	367	995	1,751	842	649	1,850	3,340	402	858	1,090	2,350	7,442	2,581	1,921	2,940
1988	338	431	953	1,723	833	873	1,858	3,564	459	837	1,061	2,356	7,643	2,472	2,253	2,919
1989	385	443	1,024	1,852	1,119	789	1,697	3,604	500	279	2,456	3,275	8,731	2,062	2,476	4,193
1990	466	358	833	1,657	1,100	888	2,089	4,077	623	301	2,666	3,590	9,325	1,860	2,710	4,755
1991	857	389	475	1,721	921	875	2,002	3,797	649	617	2,361	3,626	9,144	2,143	2,639	4,362
1992	539	369	644	1,552	880	940	1,936	3,756	549	615	2,431	3,596	8,904	1,960	2,577	4,368
1993	522	362	650	1,534	865	805	1,952	3,622	380	518	2,242	3,140	8,296	1,806	2,296	4,194
1994 r	508	350	650	1,508	668	727	1,785	3,179	339	417	2,064	2,820	7,507	1,754	1,905	3,848
1995	340	349	545	1,235	1,143	747	1,725	3,615	279	390	1,822	2,491	7,342	1,442	2,352	3,548

Source: Industrial Associations / DGIII Annual Survey

- 1) EU Public Market = National State + Other EU Final Military Users  
 2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users  
 3) Exports = Manufacturers and Final Users of Third Countries  
 r Revised

TABLE 9.20

## BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

## Engine Sector in % of Grand Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1</sup>	EU Commercial Market <sup>2</sup>	Exports <sup>3</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	1.4 %	1.4 %	3.1 %	5.9 %	3.1 %	1.5 %	2.6 %	7.1 %	1.4 %	2.1 %	3.0 %	6.5 %	19.6 %	7.9 %	6.2 %	5.6 %
1981	1.3 %	1.2 %	2.2 %	4.6 %	3.5 %	2.1 %	3.1 %	8.6 %	0.9 %	2.6 %	3.0 %	6.5 %	19.8 %	7.1 %	6.6 %	6.1 %
1982	1.2 %	1.1 %	2.1 %	4.5 %	3.4 %	2.0 %	2.9 %	8.4 %	0.8 %	2.8 %	3.4 %	7.0 %	19.9 %	6.9 %	6.7 %	6.3 %
1983	1.2 %	1.1 %	1.8 %	4.2 %	2.4 %	1.9 %	2.9 %	7.3 %	1.0 %	2.5 %	2.4 %	5.9 %	17.4 %	6.5 %	5.6 %	5.3 %
1984	0.9 %	1.2 %	2.1 %	4.2 %	2.4 %	2.0 %	3.3 %	7.6 %	0.7 %	2.7 %	2.6 %	6.0 %	17.9 %	6.7 %	5.2 %	5.9 %
1985	0.9 %	1.1 %	1.9 %	3.8 %	2.7 %	1.7 %	3.6 %	7.9 %	0.8 %	2.1 %	4.0 %	7.0 %	18.7 %	5.8 %	5.4 %	7.6 %
1986	0.6 %	0.9 %	2.3 %	3.9 %	2.2 %	1.7 %	3.8 %	7.8 %	1.1 %	2.0 %	3.3 %	6.3 %	18.0 %	5.7 %	5.2 %	7.1 %
1987	0.9 %	0.9 %	2.4 %	4.2 %	2.0 %	1.6 %	4.4 %	8.0 %	1.0 %	2.1 %	2.6 %	5.6 %	17.8 %	6.2 %	4.6 %	7.1 %
1988	0.7 %	0.9 %	2.1 %	3.7 %	1.8 %	1.9 %	4.0 %	7.7 %	1.0 %	1.8 %	2.3 %	5.1 %	16.6 %	5.4 %	4.9 %	6.3 %
1989	0.8 %	0.9 %	2.1 %	3.7 %	2.2 %	1.6 %	3.4 %	7.2 %	1.0 %	0.6 %	5.0 %	6.6 %	17.5 %	4.1 %	5.0 %	8.4 %
1990	0.9 %	0.7 %	1.6 %	3.1 %	2.1 %	1.7 %	3.9 %	7.6 %	1.2 %	0.6 %	5.0 %	6.7 %	17.4 %	3.5 %	5.1 %	8.9 %
1991	1.6 %	0.7 %	0.9 %	3.2 %	1.7 %	1.6 %	3.7 %	7.0 %	1.2 %	1.1 %	4.3 %	6.7 %	16.8 %	3.9 %	4.9 %	8.0 %
1992	1.1 %	0.7 %	1.3 %	3.0 %	1.7 %	1.8 %	3.8 %	7.3 %	1.1 %	1.2 %	4.8 %	7.0 %	17.4 %	3.8 %	5.0 %	8.5 %
1993	1.1 %	0.8 %	1.4 %	3.2 %	1.8 %	1.7 %	4.1 %	7.6 %	0.8 %	1.1 %	4.7 %	6.6 %	17.3 %	3.8 %	4.8 %	8.8 %
1994 <sup>r</sup>	1.1 %	0.8 %	1.4 %	3.3 %	1.5 %	1.6 %	3.9 %	7.0 %	0.7 %	0.9 %	4.6 %	6.2 %	16.6 %	3.9 %	4.2 %	8.5 %
1995	0.8 %	0.8 %	1.2 %	2.7 %	2.5 %	1.7 %	3.8 %	8.0 %	0.6 %	0.9 %	4.0 %	5.5 %	16.2 %	3.2 %	5.2 %	7.9 %

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.21

**BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER**  
**Equipment Sector at Current Prices (Million ECU)**

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market <sup>1)</sup>	EU Commercial Market <sup>2)</sup>	Exports <sup>3)</sup>
	R&D Contracts	Maintenance	Procurement	Total A	National	In Other EU States	In Third Countries	Total B	National	In Other EU States	In Third Countries	Total C				
1980	444	210	779	1,434	1,538	679	346	2,563	201	131	397	730	4,727	1,502	2,481	744
1981	451	253	958	1,663	1,881	1,015	549	3,445	219	167	556	942	6,050	1,752	3,193	1,105
1982	456	266	1,115	1,837	2,026	1,080	480	3,586	211	153	558	923	6,345	1,951	3,357	1,037
1983	546	278	1,410	2,234	2,334	1,120	519	3,973	204	145	947	1,297	7,504	2,338	3,699	1,466
1984	716	390	1,841	2,947	2,427	1,028	677	4,132	291	148	665	1,103	8,182	3,010	3,830	1,342
1985	663	455	1,819	2,937	2,349	1,135	932	4,415	340	162	836	1,338	8,690	3,027	3,896	1,768
1986	1,120	628	2,352	4,100	3,471	1,485	853	5,809	412	445	1,076	1,932	11,841	4,391	5,521	1,929
1987	1,195	667	2,610	4,472	3,605	1,333	952	5,890	539	457	1,410	2,406	12,768	4,677	5,729	2,362
1988	1,011	708	2,954	4,673	3,796	1,459	834	6,089	668	315	1,458	2,441	13,203	4,856	6,055	2,292
1989	849	781	2,643	4,273	3,821	1,410	811	6,042	929	503	1,865	3,297	13,611	4,518	6,418	2,675
1990	1,105	915	2,122	4,142	3,842	1,219	940	6,001	752	638	1,880	3,271	13,414	4,384	6,210	2,820
1991	1,156	1,039	2,047	4,242	4,349	1,752	1,103	7,204	767	771	1,702	3,240	14,686	4,530	7,352	2,804
1992	1,049	989	1,953	3,990	3,883	1,544	1,337	6,763	687	696	1,564	2,946	13,700	4,290	6,509	2,901
1993	903	928	1,827	3,658	3,521	1,508	1,145	6,173	672	710	1,333	2,716	12,547	4,002	6,067	2,478
1994	914	874	1,740	3,529	3,249	1,515	1,276	6,041	624	606	1,132	2,363	11,932	3,802	5,721	2,409
1995	1,154	1,022	1,284	3,459	3,225	1,088	2,087	6,399	386	691	695	1,771	11,630	3,858	4,990	2,781

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.22

**BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER**
**Equipment Sector in % of Grand Totals**

	<i>National State</i>				<i>Aerospace Manufacturers</i>				<i>Final Users</i>				<i>Total A+B+C</i>	<i>EU Public Market<sup>1</sup></i>	<i>EU Commercial Market<sup>2</sup></i>	<i>Exports<sup>3</sup></i>
	<i>R&amp;D Contracts</i>	<i>Maintenance</i>	<i>Procurement</i>	<i>Total A</i>	<i>National</i>	<i>In Other EU States</i>	<i>In Third Countries</i>	<i>Total B</i>	<i>National</i>	<i>In Other EU States</i>	<i>In Third Countries</i>	<i>Total C</i>				
1980	2.2%	1.0%	3.8%	7.0%	7.5%	3.3%	1.7%	12.6%	1.0%	0.6%	1.9%	3.6%	23.2%	7.4%	12.2%	3.6%
1981	1.8%	1.0%	3.8%	6.5%	7.4%	4.0%	2.2%	13.6%	0.9%	0.7%	2.2%	3.7%	23.8%	6.9%	12.6%	4.3%
1982	1.6%	0.9%	3.9%	6.5%	7.1%	3.8%	1.7%	12.6%	0.7%	0.5%	2.0%	3.2%	22.3%	6.9%	11.8%	3.7%
1983	1.8%	0.9%	4.7%	7.4%	7.7%	3.7%	1.7%	13.2%	0.7%	0.5%	3.1%	4.3%	24.9%	7.7%	12.3%	4.9%
1984	2.2%	1.2%	5.6%	9.0%	7.4%	3.2%	2.1%	12.7%	0.9%	0.5%	2.0%	3.4%	25.1%	9.2%	11.7%	4.1%
1985	1.9%	1.3%	5.1%	8.3%	6.6%	3.2%	2.6%	12.4%	1.0%	0.5%	2.4%	3.8%	24.5%	8.5%	11.0%	5.0%
1986	2.8%	1.6%	5.9%	10.3%	8.7%	3.7%	2.1%	14.6%	1.0%	1.1%	2.7%	4.8%	29.7%	11.0%	13.8%	4.8%
1987	2.9%	1.6%	6.3%	10.7%	8.6%	3.2%	2.3%	14.1%	1.3%	1.1%	3.4%	5.8%	30.6%	11.2%	13.7%	5.7%
1988	2.2%	1.5%	6.4%	10.1%	8.2%	3.2%	1.8%	13.2%	1.5%	0.7%	3.2%	5.3%	28.7%	10.5%	13.2%	5.0%
1989	1.7%	1.6%	5.3%	8.6%	7.6%	2.8%	1.6%	12.1%	1.9%	1.0%	3.7%	6.6%	27.2%	9.0%	12.8%	5.4%
1990	2.1%	1.7%	4.0%	7.7%	7.2%	2.3%	1.8%	11.2%	1.4%	1.2%	3.5%	6.1%	25.0%	8.2%	11.6%	5.3%
1991	2.1%	1.9%	3.8%	7.8%	8.0%	3.2%	2.0%	13.3%	1.4%	1.4%	3.1%	6.0%	27.0%	8.3%	13.5%	5.2%
1992	2.0%	1.9%	3.8%	7.8%	7.6%	3.0%	2.6%	13.2%	1.3%	1.4%	3.1%	5.8%	26.8%	8.4%	12.7%	5.7%
1993	1.9%	1.9%	3.8%	7.7%	7.4%	3.2%	2.4%	12.9%	1.4%	1.5%	2.8%	5.7%	26.2%	8.4%	12.7%	5.2%
1994	2.0%	1.9%	3.8%	7.8%	7.2%	3.3%	2.8%	13.3%	1.4%	1.3%	2.5%	5.2%	26.3%	8.4%	12.6%	5.3%
1995	2.6%	2.3%	2.8%	7.7%	7.1%	2.4%	4.6%	14.2%	0.9%	1.5%	1.5%	3.9%	25.7%	8.5%	11.0%	6.2%

1) EU Public Market = National State + Other EU Final Military Users

2) EU Commercial Market = National and Other EU Civil and Military Manufacturers + Final Civil Users

3) Exports = Manufacturers and Final Users of Third Countries

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.23

## INTRA-EUROPEAN CO-OPERATION LEVEL

**Proportion of Turnover Exported to Aerospace Companies<sup>1</sup>  
located in other EU Member States  
in % of overall Non-consolidated Turnover**

	BE	DE	ES	FR	GB	IT	NL	SE	EU
1980	17.1 %	24.7 %	13.1 %	7.6 %	8.2 %	21.8 %	1.5 %	n/a	11.6 %
1981	17.8 %	27.4 %	10.3 %	7.8 %	11.6 %	12.5 %	15.2 %	n/a	13.0 %
1982	17.1 %	26.2 %	5.6 %	6.9 %	13.7 %	11.2 %	15.9 %	n/a	13.4 %
1983	19.8 %	26.4 %	3.0 %	8.8 %	13.8 %	19.6 %	12.7 %	n/a	14.7 %
1984	27.6 %	26.7 %	5.2 %	7.5 %	11.9 %	21.2 %	9.5 %	n/a	13.7 %
1985	27.6 %	22.3 %	4.9 %	4.0 %	10.6 %	25.4 %	n/a	n/a	11.7 %
1986	32.3 %	17.1 %	4.6 %	5.3 %	11.1 %	25.5 %	0.1 %	n/a	11.9 %
1987	33.3 %	14.4 %	4.2 %	5.4 %	8.7 %	25.6 %	4.5 %	n/a	10.6 %
1988	24.8 %	15.9 %	4.1 %	7.8 %	10.1 %	25.9 %	2.5 %	n/a	12.0 %
1989	38.5 %	14.4 %	4.1 %	2.7 %	8.4 %	25.3 %	3.5 %	n/a	9.5 %
1990	44.0 %	15.6 %	6.0 %	4.0 %	9.3 %	25.1 %	3.5 %	n/a	10.6 %
1991	37.0 %	15.4 %	8.0 %	7.0 %	13.5 %	18.4 %	2.9 %	n/a	12.2 %
1992	38.0 %	13.2 %	7.8 %	6.5 %	8.4 %	19.3 %	2.4 %	n/a	9.8 %
1993	35.3 %	14.3 %	34.0 %	6.2 %	7.7 %	19.3 %	1.7 %	3.0 %	10.0 %
1994	31.6 %	12.6 % r	34.2 %	5.9 %	8.4 %	19.2 %	5.3 %	1.9 %	9.8 % r
1995	35.2 %	12.1 %	36.1 %	5.8 %	11.0 %	20.6 %	5.3 %	1.6 %	10.5 %

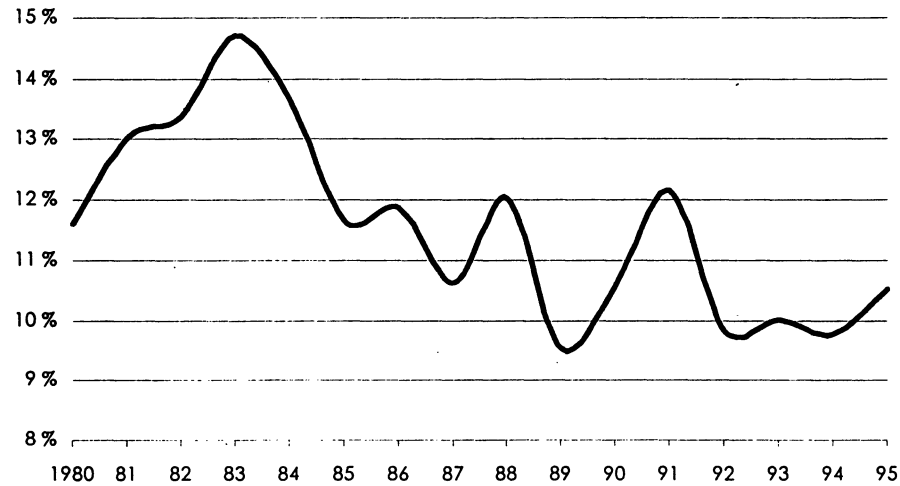
1) Not including consortia (Airbus, Al(R), etc.)  
who are considered final users  
r Revised

Source: Industrial Associations / DGIII Annual Survey



CHART 9.6.

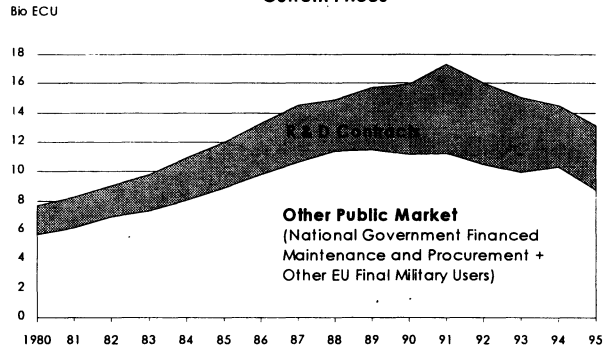
**Exports to other EU Aerospace Companies  
in % of overall Non-consolidated Turnover**



Source: Industrial Associations / DGIII Annual Survey

**CHART 9.7**

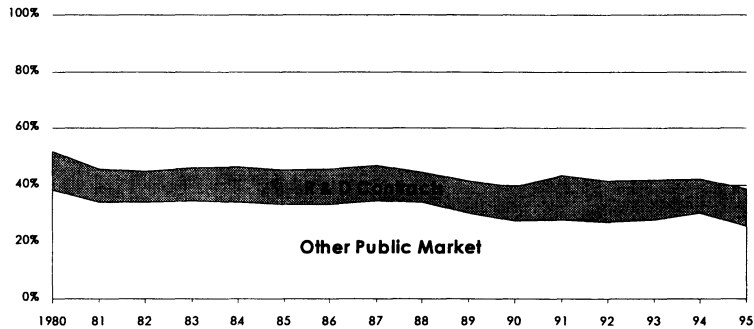
**Public Support for the EU Aerospace Industry  
Current Prices**



Source: Industrial Associations / DGIII Annual Survey

**CHART 9.8**

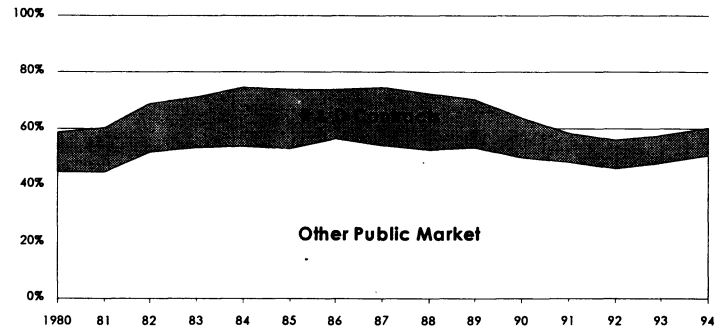
**Public Support for the EU Aerospace Industry  
in % of Final Turnover  
Consolidated at EU Level**



Source: Industrial Associations / DGIII Annual Survey

**CHART 9.9**

**Public Support for the US Aerospace Industry  
in % of Final Turnover**



Source: Aerospace Industries Association (AIA)

TABLE 9.24

**PUBLIC SUPPORT FOR THE EU AND USA AEROSPACE INDUSTRY**

**Breakdown by Contract Type in Current Prices**

	EU								USA					
	R&D Contracts		Other Public Market <sup>1</sup>		Total Public Support				R&D Contracts		Other Public Market		Total Public Support	
	Mio ECU	% of Total	Mio ECU	% of Total	Mio ECU	% of Final Non-consolidated Turnover	% of Final Consolidated Turnover at National Level	% of Final Consolidated Turnover at EU level	Mio ECU	% of Total	Mio ECU	% of Total	Mio ECU	% of Final Turnover
1980	1,993	26 %	5,715	74 %	7,707	38 %	45 %	52 %	4,760	24 %	15,200	76 %	19,960	59 %
1981	2,061	25 %	6,187	75 %	8,247	32 %	39 %	46 %	7,639	26 %	21,923	74 %	29,562	60 %
1982	2,153	24 %	6,875	76 %	9,029	32 %	38 %	45 %	10,478	25 %	30,908	75 %	41,386	69 %
1983	2,492	25 %	7,286	75 %	9,777	32 %	38 %	46 %	12,802	25 %	38,495	75 %	51,296	71 %
1984	2,879	26 %	8,062	74 %	10,941	34 %	39 %	47 %	17,863	28 %	45,087	72 %	62,951	75 %
1985	3,119	26 %	8,879	74 %	11,998	34 %	39 %	45 %	21,730	28 %	54,587	72 %	76,316	74 %
1986	3,560	27 %	9,764	73 %	13,324	33 %	39 %	46 %	15,225	24 %	48,679	76 %	63,904	74 %
1987	3,907	27 %	10,618	73 %	14,525	35 %	41 %	47 %	16,042	28 %	41,670	72 %	57,712	75 %
1988	3,445	23 %	11,412	77 %	14,857	32 %	38 %	44 %	15,562	28 %	40,599	72 %	56,161	73 %
1989	4,256	27 %	11,482	73 %	15,738	32 %	37 %	42 %	15,275	25 %	46,773	75 %	62,048	70 %
1990	4,793	30 %	11,155	70 %	15,949	30 %	35 %	39 %	11,974	22 %	42,478	78 %	54,452	64 %
1991	6,106	35 %	11,219	65 %	17,324	32 %	37 %	43 %	8,954	17 %	42,618 r	83 %	51,572 r	58 % r
1992	5,552	35 %	10,503	65 %	16,055	31 %	37 %	41 %	7,925	18 %	37,132	82 %	45,057	56 %
1993	5,074	34 %	9,957	66 %	15,031	31 %	37 %	42 %	8,003 r	17 % r	38,716 r	83 % r	46,719 r	58 % r
1994	4,162 r	29 % r	10,353 r	71 % r	14,514 r	32 % r	37 % r	42 % r	7,393	16 %	38,045 r	84 %	45,438	60 %
1995	4,402	33 %	8,745	67 %	13,148	29 %	34 %	39 %	n/a	-	40,001	-	n/a	-

<sup>1</sup> National Government Financed Maintenance and Procurement + Other EU Final Military Users  
r Revised

Sources: EU: Industrial Associations / DGIII Annual Survey;  
USA: Aerospace Industries Association (AIA)

TABLE 9.25

## PUBLIC SUPPORT FOR THE EU AEROSPACE INDUSTRY

## Breakdown by Contract Type and Sub-sector in Current Prices (Million ECU)

	Aircraft and Missiles					Space					Engines					Equipment				
	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	Total	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	Total	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	Total	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	Total
1980	1,093	106	2,500	673	4,371	165	51	14	0	230	290	72	851	391	1,605	444	63	927	68	1,502
1981	1,133	95	2,468	761	4,457	152	85	6	0	242	324	56	794	622	1,796	451	60	1,152	89	1,752
1982	1,137	129	2,548	964	4,779	214	108	29	0	351	346	45	890	666	1,947	456	48	1,333	114	1,951
1983	1,312	285	2,651	782	5,030	259	177	14	0	450	375	28	852	704	1,959	546	72	1,617	104	2,338
1984	1,590	131	2,807	726	5,254	283	186	6	0	475	290	31	1,052	828	2,202	716	45	2,186	64	3,010
1985	1,653	93	3,855	584	6,186	479	185	76	1	741	324	24	1,012	684	2,044	663	87	2,187	90	3,027
1986	1,953	155	3,706	352	6,166	235	159	89	1	484	252	111	1,174	745	2,283	1,120	296	2,683	291	4,391
1987	2,031	168	4,162	351	6,712	291	174	91	0	556	390	240	1,121	830	2,581	1,195	459	2,817	205	4,677
1988	1,694	162	4,377	432	6,665	402	292	108	63	865	338	270	1,114	749	2,472	1,011	452	3,210	182	4,856
1989	2,418	227	4,404	541	7,990	605	371	87	105	1,168	385	372	1,095	210	2,062	849	576	2,847	246	4,518
1990	2,345	572	4,464	661	8,042	877	674	108	5	1,663	466	29	1,162	203	1,860	1,105	513	2,524	242	4,384
1991	2,654	562	4,822	791	8,829	1,438	310	71	4	1,823	857	22	841	422	2,143	1,156	334	2,752	287	4,530
1992	2,463	198	4,189	1,086	7,936	1,501	269	99	0	1,868	539	3	1,010	408	1,960	1,049	435	2,507	300	4,290
1993	2,319	331	4,039	697	7,386	1,322	347	155	0	1,823	522	64	948	272	1,806	903	330	2,424	344	4,002
1994	1,856 r	231	4,270 r	902 r	7,258 r	883	640	176	0	1,699	508 r	1	999	246	1,754 r	914	155	2,459	274	3,802
1995	1,306	200	3,382	643	5,532	1,602	457	253	4	2,315	340	49	846	207	1,442	1,154	332	1,974	399	3,858

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 9.26

## PUBLIC SUPPORT FOR THE EU AEROSPACE INDUSTRY

## Breakdown by Contract Type and Sub-sector in Current Prices in % of Sub-sector

	Aircraft and Missiles					Space					Engines					Equipment				
	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	In % of Grand Total	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	In % of Grand Total	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	In % of Grand Total	R&D Contracts	Other National Civil Market	National Military Market	Other EU Final Military Users	In % of Grand Total
1980	25.0 %	2.4 %	57.2 %	15.4 %	56.7 %	71.8 %	22.0 %	6.1 %	0.1 %	3.0 %	18.1 %	4.5 %	53.1 %	24.4 %	20.8 %	29.6 %	4.2 %	61.7 %	4.5 %	19.5 %
1981	25.4 %	2.1 %	55.4 %	17.1 %	54.0 %	62.6 %	35.1 %	2.3 %	0.0 %	2.9 %	18.0 %	3.1 %	44.2 %	34.6 %	21.8 %	25.8 %	3.4 %	65.7 %	5.1 %	21.2 %
1982	23.8 %	2.7 %	53.3 %	20.2 %	52.9 %	61.0 %	30.9 %	8.1 %	0.0 %	3.9 %	17.8 %	2.3 %	45.7 %	34.2 %	21.6 %	23.3 %	2.5 %	68.3 %	5.9 %	21.6 %
1983	26.1 %	5.7 %	52.7 %	15.5 %	51.4 %	57.6 %	39.3 %	3.2 %	0.0 %	4.6 %	19.1 %	1.4 %	43.5 %	35.9 %	20.0 %	23.3 %	3.1 %	69.1 %	4.5 %	23.9 %
1984	30.3 %	2.5 %	53.4 %	13.8 %	48.0 %	59.6 %	39.1 %	1.3 %	0.1 %	4.3 %	13.2 %	1.4 %	47.8 %	37.6 %	20.1 %	23.8 %	1.5 %	72.6 %	2.1 %	27.5 %
1985	26.7 %	1.5 %	62.3 %	9.4 %	51.6 %	64.6 %	25.0 %	10.3 %	0.1 %	6.2 %	15.9 %	1.2 %	49.5 %	33.5 %	17.0 %	21.9 %	2.9 %	72.3 %	3.0 %	25.2 %
1986	31.7 %	2.5 %	60.1 %	5.7 %	46.3 %	48.5 %	32.9 %	18.5 %	0.1 %	3.6 %	11.0 %	4.9 %	51.4 %	32.7 %	17.1 %	25.5 %	6.8 %	61.1 %	6.6 %	33.0 %
1987	30.3 %	2.5 %	62.0 %	5.2 %	46.2 %	52.3 %	31.3 %	16.3 %	0.0 %	3.8 %	15.1 %	9.3 %	43.4 %	32.1 %	17.8 %	25.5 %	9.8 %	60.2 %	4.4 %	32.2 %
1988	25.4 %	2.4 %	65.7 %	6.5 %	44.9 %	46.5 %	33.8 %	12.5 %	7.2 %	5.8 %	13.7 %	10.9 %	45.1 %	30.3 %	16.6 %	20.8 %	9.3 %	66.1 %	3.8 %	32.7 %
1989	30.3 %	2.8 %	55.1 %	11.8 %	50.8 %	51.8 %	31.8 %	7.4 %	9.0 %	7.4 %	18.7 %	18.1 %	53.1 %	10.2 %	13.1 %	18.8 %	12.8 %	63.0 %	5.4 %	28.7 %
1990	29.2 %	7.1 %	55.5 %	8.2 %	50.4 %	52.7 %	40.5 %	6.5 %	0.3 %	10.4 %	25.1 %	1.6 %	62.5 %	10.9 %	11.7 %	25.2 %	11.7 %	57.6 %	5.5 %	27.5 %
1991	30.1 %	6.4 %	54.6 %	9.0 %	51.0 %	78.9 %	17.0 %	3.9 %	0.2 %	10.5 %	40.0 %	1.0 %	39.3 %	19.7 %	12.4 %	25.5 %	7.4 %	60.8 %	6.3 %	26.1 %
1992	31.0 %	2.5 %	52.8 %	13.7 %	49.4 %	80.3 %	14.4 %	5.3 %	0.0 %	11.6 %	27.5 %	0.2 %	51.5 %	20.8 %	12.2 %	24.4 %	10.1 %	58.4 %	7.0 %	26.7 %
1993	31.4 %	4.5 %	54.7 %	9.4 %	49.2 %	72.5 %	19.0 %	8.5 %	0.0 %	12.1 %	28.9 %	3.5 %	52.5 %	15.1 %	12.0 %	22.6 %	8.3 %	60.6 %	8.6 %	26.6 %
1994	25.6 % r	3.2 % r	58.8 % r	12.4 % r	50.0 % r	52.0 %	37.7 %	10.3 %	0.0 %	11.7 % r	29.0 % r	0.0 %	57.0 % r	14.0 %	12.1 % r	24.0 %	4.1 %	64.7 %	7.2 %	26.2 % r
1995	23.6 %	3.6 %	61.1 %	11.6 %	42.1 %	69.2 %	19.7 %	10.9 %	0.2 %	17.6 %	23.6 %	3.4 %	58.7 %	14.4 %	11.0 %	29.9 %	8.6 %	51.1 %	10.3 %	29.3 %

r Revised

Source: Industrial Associations / DGIII Annual Survey

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# *Chapter 10*

# **Finance**

## FINANCIAL DATA

As to the European companies, the financial data are extracted from "*L'industrie Aéronautique et Spatiale Mondiale*", a study by *EUROSTAF*, in collaboration with *AEROSPATIALE*<sup>1</sup>. Data for USA are extracted from AIA's "*Aerospace Facts & Figures*"<sup>2</sup>.

### Note

The Eurostaf / Aérospatiale study includes, for some companies, figures that due to accounting practices are not attributable to specific sectors of the company activities. The approximate percentages of the turnover in 1994 which are due to non-aerospace activities are listed below. The inclusion of complete company portfolios affects to some degree the aggregation of European figures (EU7), which is presented in table 10.1.

Country	Non-Aerospace Activities in % of 1994 Turnover
DE	16.6 %
ES	0.0 %
FR	4.7 %
IT	53.2 %
NL	0.0 %
SE	77.3 %
UK	20.2 %
EU7	22.3 %

Furthermore, this study is based on a representative selection of companies, whereas the study presented in chapter 9 involves in principle all members of the national associations. The latter will therefore as a general rule show higher figures, with the exception of above mentioned cases where activities other than aerospace are included here.

The EU comprises in this respect the following seven countries, represented by a selection of their major national producers:

<i>France</i>	Aérospatiale, Dassault Aviation, Matra, Snecma, Thomson-CSF
<i>Germany</i>	Daimler-Benz Aerospace, D-B Aerospace Airbus, Dornier, Fokker (1994), MBB, MTU
<i>Italy</i>	Aeritalia, Agusta, Alenia, Finmeccanica Selenia
<i>Netherlands</i>	Fokker
<i>Spain</i>	CASA
<i>Sweden</i>	Saab-Scania, Volvo Aero
<i>United Kingdom</i>	British Aerospace, GEC-Marconi, Rolls-Royce, (GKN) Westland



For each country, the following series are provided:

<i>turnover</i>	
<i>value added (gross)</i>	turnover <i>minus</i> external costs and expenses, excluding wage costs and depreciation
<i>wage costs</i>	
<i>trading income</i>	value added <i>minus</i> wage costs
<i>net income</i>	
	trading income <i>minus</i> investments, financial costs and income taxes
<i>equity</i>	
	assets <i>minus</i> all liabilities, except to shareholders
<i>long and medium term debt</i>	
<i>total permanent liabilities</i>	equity <i>plus</i> long and medium term debt
<i>permanent assets</i>	
<i>total R&amp;D, of which industry-funded R&amp;D</i>	
<i>operating investments</i>	
<i>number of employees</i>	

The ratios are defined as follows:

<i>apparent labour productivity</i>	value added on wage costs and per worker
<i>research effort</i>	total R&D and industry-funded R&D on turnover
<i>operating investments on value added</i>	
<i>debt ratio</i>	long and medium term debt on permanent liabilities
<i>profitability</i>	trading income on value added and net income on value added, equity and assets

- 1 L'industrie Aéronautique et Spatiale Mondiale - approche financière comparative des principaux acteurs. Etude réalisée par EUROSTAF avec la collaboration d'Aérospatiale. Editions 1990 to 1995. Aérospatiale, 37 boulevard de Montmorency, FR-75781 Paris Cedex 16.
- 2 Aerospace Facts & Figures, Editions 1987 to 1996. Aerospace Industries Association of America, Inc. 1250 Eye Street, N.W. Washington, D.C. 20005-3924.

TABLE 10.1

FINANCE - EU<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990 <sup>2</sup>	1991 <sup>2</sup>	1992 <sup>2</sup>	1993 <sup>2</sup>	1994
<b>Turnover</b>	18,157	29,647	34,401	36,092	37,471	42,982	50,252	54,576	57,546	61,683	60,235	52,983
<b>Value Added (gross)</b>	7,860	12,478	14,788	14,792	14,886	16,503	17,935	20,941	21,972	24,612	22,559	20,520
<b>Wage Costs</b>	6,279	8,999	10,959	11,524	11,875	12,728	13,599	15,913	17,351	18,658	18,237	16,498
<b>Trading Income</b>	1,580	3,479	3,829	3,268	3,011	3,775	4,336	5,028	4,621	5,954	4,321	4,022
<b>Net Income</b>	-139	583	754	919	544	1,235	2,285	1,095	445	-1,492	-1,163	1,030
<b>Equity</b>	4,052	6,885	8,651	10,301	11,130	14,959	17,581	18,381	19,049	17,430	16,015	14,469
<b>Long and Medium Term Debt</b>	4,751	8,094	9,897	9,944	9,260	10,493	12,485	13,897	15,904	19,053	19,375	17,900
<b>Total Permanent Liabilities</b>	8,804	12,669	15,862	16,868	17,018	25,451	30,066	32,278	34,949	36,482	35,390	32,376
<b>Permanent Assets</b>	4,011	7,370	8,943	10,435	11,853	15,789	20,127	21,874	23,961	28,759	28,770	27,596
<b>R&amp;D Industry Funded</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Operating Investments</b>	727	1,383	1,969	2,051	2,196	2,614	3,765	3,580	3,540	3,169	2,590	2,077
<b>Number of Employees</b>	291,173	378,657	423,074	437,707	435,091	467,785	468,557	510,555	515,032	515,212	497,865	418,858
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	125.2 %	138.7 %	134.9 %	128.4 %	125.4 %	129.7 %	131.9 %	131.6 %	126.6 %	131.9 %	123.7 %	124.4 %
Value Added per Worker (Thousand ECU)	27.0	33.0	35.0	33.8	34.2	35.3	38.3	41.0	42.7	47.8	45.3	49.0
<b>Research effort</b>												
Industry Funded R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-	-
Total R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-	-
<b>Operating Investments on Value Added</b>	9.3 %	11.1 %	13.3 %	13.9 %	14.8 %	15.8 %	21.0 %	17.1 %	16.1 %	12.9 %	11.5 %	10.1 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	54.0 %	63.9 %	62.4 %	59.0 %	54.4 %	41.2 %	41.5 %	43.1 %	45.5 %	52.2 %	54.7 %	55.3 %
<b>Profitability</b>												
Trading Income on Value Added	20.1 %	27.9 %	25.9 %	22.1 %	20.2 %	22.9 %	24.2 %	24.0 %	21.0 %	24.2 %	19.2 %	19.6 %
Net Income on Value Added	-1.8 %	4.7 %	5.1 %	6.2 %	3.7 %	7.5 %	12.7 %	5.2 %	2.0 %	-6.1 %	-5.2 %	5.0 %
Net Income on Equity	-3.4 %	8.5 %	8.7 %	8.9 %	4.9 %	8.3 %	13.0 %	6.0 %	2.3 %	-8.6 %	-7.3 %	7.1 %
Net Income on Permanent Assets	-3.5 %	7.9 %	8.4 %	8.8 %	4.6 %	7.8 %	11.4 %	5.0 %	1.9 %	-5.2 %	-4.0 %	3.7 %

1) Countries: France, Germany, Italy, Netherlands, Spain, Sweden, United Kingdom (for years available)

2) Changes from previous edition due to revision of United Kingdom

Source: Eurostat / Aérospatiale:  
L'Industrie Aérospatiale et Spatiale Mondiale 1990 - 1995

TABLE 10.2

**FINANCE - USA**  
 Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	91,486	112,456	138,714	113,371	96,147	95,430	107,377	104,930	109,082	103,551	109,864	101,321
<b>Value Added (gross)</b>	31,500	40,312	45,669	39,178	35,551	35,784	39,600	36,540	37,514	34,256 †	35,764 †	34,140
<b>Wage Costs</b>	24,314	30,131	35,053	30,021	26,941	27,540	31,001	27,949	27,857	25,517 †	25,953 †	23,871
<b>Trading Income</b>	7,186	10,181	10,616	9,157	8,610	8,244	8,599	8,591	9,657	8,740	9,811	10,269
<b>Net Income</b>	3,178	4,612	4,290	3,143	3,969	4,129	3,509	3,524	2,005	-1,414	3,946	4,754
<b>Equity</b>	27,399	33,736	38,915	33,422	27,453	28,642	33,508	31,330	32,490	26,546	31,111	33,865
<b>Long and Medium Term Debt</b>	10,518	11,559	18,168	16,883	14,433	15,889	21,124	22,554	23,245	28,934	34,976	34,554
<b>Total Permanent Liabilities</b>	37,917	45,295	57,083	50,305	41,887	44,531	54,632	53,884	55,735	55,480	66,087	68,419
<b>Permanent Assets</b>	26,998	32,963	45,361	40,491	33,696	34,524	43,169	42,689	44,036	43,785	53,991	55,192
<b>R&amp;D Industry Funded</b>	4,505	6,038	7,403	6,163	5,145	4,876 †	4,995 †	4,230 †	4,465 †	5,293 †	4,854 †	4,595
<b>Total</b>	17,306	23,901	29,132	21,388	21,187	20,438 †	20,270 †	16,205 †	13,419 †	13,218 †	12,857 †	11,988
<b>Operating Investments</b>	3,314	4,601	4,600	3,922	3,119	2,951	3,785	3,157	3,268	3,359	2,750 †	2,480
<b>Number of Employees</b>	765,000	817,000	898,000	948,000	968,000	977,000	992,000	946,000	879,000	775,000	676,000	616,000
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	129.6 %	133.8 %	130.3 %	130.5 %	132.0 %	129.9 %	127.7 %	130.7 %	134.7 %	134.3 % †	137.8 %	143.0 %
Value Added per Worker (Thousand ECU)	41.2	49.3	50.9	41.3	36.7	36.6	39.9	38.6	42.7	44.2	52.9	55.4
<b>Research effort</b>												
Industry Funded R&D on Turnover	4.9 %	5.4 %	5.3 %	5.4 %	5.4 %	5.1 % †	4.7 % †	4.0 % †	4.1 % †	5.1 % †	4.4 % †	4.5 %
Total R&D on Turnover	18.9 %	21.3 %	21.0 %	18.9 %	22.0 %	21.4 % †	18.9 % †	15.4 % †	12.3 % †	12.8 % †	11.7 % †	11.8 %
<b>Operating Investments on Value Added</b>	10.5 %	11.4 %	10.1 %	10.0 %	8.8 %	8.2 %	9.6 %	8.6 %	8.7 %	9.8 %	7.7 %	7.3 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	27.7 %	25.5 %	31.8 %	33.6 %	34.5 %	35.7 %	38.7 %	41.9 %	41.7 %	52.2 %	52.9 %	50.5 %
<b>Profitability</b>												
Trading Income on Value Added	22.8 %	25.3 %	23.2 %	23.4 %	24.2 %	23.0 %	21.7 %	23.5 %	25.7 %	25.5 %	27.4 %	30.1 %
Net Income on Value Added	10.1 %	11.4 %	9.4 %	8.0 %	11.2 %	11.5 %	8.9 %	9.6 %	5.3 %	-4.1 %	11.0 %	13.9 %
Net Income on Equity	11.6 %	13.7 %	11.0 %	9.4 %	14.5 %	14.4 %	10.5 %	11.2 %	6.2 %	-5.3 %	12.7 %	14.0 %
Net Income on Permanent Assets	11.8 %	14.0 %	9.5 %	7.8 %	11.8 %	12.0 %	8.1 %	8.3 %	4.6 %	-3.2 %	7.3 %	8.6 %

† Revised

Source: Aerospace Industries Association (AIA)

TABLE 10.3

FINANCE - France<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	6,575	13,190	15,124	15,713	15,078	16,158	15,158	16,331	17,502	18,071	17,490	17,329
<b>Value Added (gross)</b>	3,016	5,626	6,690	6,303	6,128	5,912	5,977	6,595	7,233	7,541	7,474	7,484
<b>Wage Costs</b>	2,140	3,728	4,818	5,115	4,888	4,695	4,406	5,030	5,411	5,778	5,783	5,793
<b>Trading Income</b>	876	1,898	1,872	1,187	1,240	1,217	1,572	1,565	1,822	1,763	1,691	1,691
<b>Net Income</b>	-50	175	318	414	356	452	486	319	322	-203	-659	-510
<b>Equity</b>	580	1,218	1,764	2,905	3,502	4,586	4,228	4,959	5,354	5,253	4,525	3,593
<b>Long and Medium Term Debt</b>	1,870	4,583	6,246	4,991	4,154	3,822	3,708	4,747	5,514	5,916	6,441	6,466
<b>Total Permanent Liabilities</b>	2,450	5,801	8,009	7,895	7,656	8,408	7,937	9,706	10,864	11,169	10,966	10,059
<b>Permanent Assets</b>	1,337	3,044	3,906	4,624	4,664	5,026	5,110	6,672	7,268	7,477	6,698	6,147
<b>R&amp;D Industry Funded</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Operating Investments</b>	252	550	911	872	779	701	798	876	958	777	599	552
<b>Number of Employees</b>	82,108	130,047	153,291	153,211	134,381	123,779	114,013	124,987	127,234	126,132	127,932	119,692
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	140.9 %	150.9 %	138.8 %	123.2 %	125.4 %	125.9 %	135.7 %	131.1 %	133.7 %	130.5 %	129.2 %	129.2 %
Value Added per Worker (Thousand ECU)	36.7	43.3	43.6	41.1	45.6	47.8	52.4	52.8	56.8	59.8	58.4	62.5
<b>Research effort</b>												
Industry Funded R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-	-
Total R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-	-
<b>Operating Investments on Value Added</b>	8.3 %	9.8 %	13.6 %	13.8 %	12.7 %	11.9 %	13.4 %	13.3 %	13.2 %	10.3 %	8.0 %	7.4 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	183.2 %	79.0 %	78.0 %	63.2 %	54.3 %	45.5 %	46.7 %	48.9 %	50.8 %	53.0 %	58.7 %	64.3 %
<b>Profitability</b>												
Trading Income on Value Added	29.0 %	33.7 %	28.0 %	18.8 %	20.2 %	20.6 %	26.3 %	23.7 %	25.2 %	23.4 %	22.6 %	22.6 %
Net Income on Value Added	-1.7 %	3.1 %	4.8 %	6.6 %	5.8 %	7.6 %	8.1 %	4.8 %	4.4 %	-2.7 %	-8.8 %	-6.8 %
Net Income on Equity	-2.7 %	14.3 %	18.1 %	14.3 %	10.2 %	9.9 %	11.5 %	6.4 %	6.0 %	-3.9 %	-14.6 %	-14.2 %
Net Income on Permanent Assets	-12.3 %	5.7 %	8.2 %	9.0 %	7.6 %	9.0 %	9.5 %	4.8 %	4.4 %	-2.7 %	-9.8 %	-8.3 %

1) Companies: Aerospatiale (group) (from 1984), Dassault Aviation, Matra (1983 - 88), SNECMA (group) (from 1985), Thomson-CSF (group)

Source: Eurostat / Aérospatiale:  
L'Industrie Aéronautique et Spatiale Mondiale 1990 - 1995

TABLE 10.4

## FINANCE - Germany<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	3,594	3,737	4,205	4,239	4,351	5,065	5,486	6,104	6,021	8,551	9,619	9,038
<b>Value Added (gross)</b>	1,690	1,783	1,949	2,058	2,023	2,357	1,959	2,766	2,825	4,947	4,465	3,920
<b>Wage Costs</b>	1,359	1,426	1,539	1,744	1,926	2,046	1,689	2,430	2,521	3,247	3,928	3,689
<b>Trading Income</b>	331	357	410	315	97	311	269	336	303	1,700	537	232
<b>Net Income</b>	52	60	79	-18	16	51	903 <sup>2</sup>	-94	7	-169	-358	-228
<b>Equity</b>	1,115	1,299	1,403	1,473	1,399	1,504	3,269	2,264	2,452	3,445	3,486	3,441
<b>Long and Medium Term Debt</b>	699	631	656	785	721	800	1,288	1,439	1,594	2,219	3,224	3,226
<b>Total Permanent Liabilities</b>	1,814	1,930	2,059	2,258	2,121	2,305	4,557	3,702	4,046	5,664	6,709	6,668
<b>Permanent Assets</b>	885	978	1,003	1,119	1,241	1,499	3,705	3,756	4,047	5,891	7,446	7,830
<b>R&amp;D Industry Funded</b>	105	126	205	238	259	261	309	390	390	445	465	468
<b>Total</b>	472	669	1,258	1,177	1,327	1,394	1,122	2,051	2,092	2,563	2,502	2,253
<b>Operating Investments</b>	180	156	200	287	309	332	659	457	481	511	500	350
<b>Number of Employees</b>	52,117	51,163	52,558	54,283	55,538	55,020	55,111	60,835	58,945	73,063	79,306	70,170
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	124.4 %	125.0 %	126.6 %	118.0 %	105.0 %	115.2 %	115.9 %	113.8 %	112.0 %	152.4 %	113.7 %	106.3 %
Value Added per Worker (Thousand ECU)	32.4	34.8	37.1	37.9	36.4	42.8	35.5	45.5	47.9	67.7	56.3	55.9
<b>Research effort</b>												
Industry Funded R&D on Turnover	2.9 %	3.4 %	4.9 %	5.6 %	5.9 %	5.2 %	5.6 %	6.4 %	6.5 %	5.2 %	4.8 %	5.2 %
Total R&D on Turnover	13.1 %	17.9 %	29.9 %	27.8 %	30.5 %	27.5 %	20.4 %	33.6 %	34.7 %	30.0 %	26.0 %	24.9 %
<b>Operating Investments on Value Added</b>	10.6 %	8.7 %	10.3 %	14.0 %	15.3 %	14.1 %	33.7 %	16.5 %	17.0 %	10.3 %	11.2 %	8.9 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	38.5 %	32.7 %	31.8 %	34.8 %	34.0 %	34.7 %	28.3 %	38.9 %	39.4 %	39.2 %	48.0 %	48.4 %
<b>Profitability</b>												
Trading Income on Value Added	19.6 %	20.0 %	21.0 %	15.3 %	4.8 %	13.2 %	13.7 %	12.2 %	10.7 %	34.4 %	12.0 %	5.9 %
Net Income on Value Added	3.1 %	3.3 %	4.0 %	-0.9 %	0.8 %	2.1 %	46.1 %	-3.4 %	0.2 %	-3.4 %	-8.0 %	-5.8 %
Net Income on Equity	4.7 %	4.6 %	5.6 %	-1.2 %	1.1 %	3.4 %	27.6 %	-4.2 %	0.3 %	-4.9 %	-10.3 %	-6.6 %
Net Income on Permanent Assets	5.9 %	6.1 %	7.9 %	-1.6 %	1.3 %	3.4 %	24.4 %	-2.5 %	0.2 %	-2.9 %	-4.8 %	-2.9 %

1) Companies: For years 1983 - 88: Dornier, MBB, MTU;

For 1989: DASA consolidated (including Dornier, MBB, MTU, TST) + Deutsche Aerospace Airbus

From 1990: Daimler-Benz Aerospace consolidated (including Dornier, MBB, MTU, Daimler-Benz Aerospace Airbus, TST, Fokker (from 1994)).

2) Including 1,483 Mio. ECU quoted as an exceptional result in Deutsche Airbus.

Source: Eurostat / Aérospatiale:

L'Industrie Aéronautique et Spatiale Mondiale 1990 - 1995

TABLE 10.5

FINANCE - Italy<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	642	843	1,318	2,082	2,067	2,140	2,578	3,435	3,724	6,943	5,959	6,327
<b>Value Added (gross)</b>	329	357	625	971	1,001	1,075	1,310	1,734	1,524	2,975	2,405	2,661
<b>Wage Costs</b>	204	220	403	569	653	707	824	1,204	1,333	2,121	1,850	2,031
<b>Trading Income</b>	125	137	222	402	347	368	486	530	191	854	556	630
<b>Net Income</b>	4	12	29	39	56	70	65	39	-83	117	18	27
<b>Equity</b>	268	289	489	805	895	900	1,022	1,485	1,440	1,934	1,681	2,570
<b>Long and Medium Term Debt</b>	602	553	703	1,653	1,264	1,563	1,772	1,961	2,215	2,458	2,134	2,039
<b>Total Permanent Liabilities</b>	870	842	1,192	2,119	2,159	2,463	2,794	3,446	3,655	4,392	3,815	4,608
<b>Permanent Assets</b>	340	321	466	911	944	1,250	1,390	1,498	1,905	4,456	4,454	5,972
<b>R&amp;D Industry Funded</b>	-	-	-	-	-	-	-	-	-	235	175	198
<b>Total</b>	189	282	359	605	654	623	648	776	756	783	584	659
<b>Operating Investments</b>	94	24	69	-	131	151	166	468	315	404	285	212
<b>Number of Employees</b>	12,286	12,321	19,632	29,610	30,223	30,781	31,384	39,643	38,442	51,503	52,587	59,041
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	161.2 %	162.1 %	155.2 %	170.6 %	153.2 %	152.1 %	158.9 %	144.1 %	114.3 %	140.3 %	130.0 %	131.0 %
Value Added per Worker (Thousand ECU)	26.8	28.9	31.8	32.8	33.1	34.9	41.7	43.7	39.6	57.8	45.7	45.1
<b>Research effort</b>												
Industry Funded R&D on Turnover	-	-	-	-	-	-	-	-	-	3.4 %	2.9 %	3.1 %
Total R&D on Turnover	29.4 %	33.5 %	27.3 %	29.1 %	31.6 %	29.1 %	25.1 %	22.6 %	20.3 %	11.3 %	9.8 %	10.4 %
<b>Operating Investments on Value Added</b>	28.5 %	6.7 %	11.0 %	-	13.1 %	14.0 %	12.7 %	27.0 %	20.7 %	13.6 %	11.9 %	8.0 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	69.2 %	65.7 %	59.0 %	78.0 %	58.5 %	63.5 %	63.4 %	56.9 %	60.6 %	56.0 %	55.9 %	44.2 %
<b>Profitability</b>												
Trading Income on Value Added	38.0 %	38.3 %	35.6 %	41.4 %	34.7 %	34.3 %	37.1 %	30.6 %	12.5 %	28.7 %	23.1 %	23.7 %
Net Income on Value Added	1.2 %	3.5 %	4.7 %	4.1 %	5.6 %	6.5 %	5.0 %	2.2 %	-5.4 %	3.9 %	0.7 %	1.0 %
Net Income on Equity	1.5 %	4.3 %	6.0 %	4.9 %	6.3 %	7.8 %	6.4 %	2.6 %	-5.8 %	6.0 %	1.1 %	1.1 %
Net Income on Permanent Assets	1.2 %	3.8 %	6.3 %	4.3 %	6.0 %	5.6 %	4.7 %	2.6 %	-4.3 %	2.6 %	0.4 %	0.5 %

1) Companies: Aeritalia (1983 - 89), Agusta (1986 - 91), Alenia (1990 - 91), Selenia (1985 - 89), Finmeccanica (from 1992)

Source: Eurostat / Aérospatiale:  
L'Industrie Aérospatiale et Spatiale Mondiale 1990 - 1995

TABLE 10.6

FINANCE - Netherlands<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	604	619	533	584	452	880	1,199	1,385	1,650	1,795	1,700	1,088
<b>Value Added (gross)</b>	215	209	258	300	269	368	396	459	509	512	364	196
<b>Wage Costs</b>	183	186	228	277	291	299	319	364	383	422	408	340
<b>Trading Income</b>	33	23	30	22	-22	69	77	96	126	89	-45	-143
<b>Net Income</b>	7	9	13	8	-46	6	18	36	38	9	-211	-208
<b>Equity</b>	54	68	104	117	121	365	376	414	431	237	233	330
<b>Long and Medium Term Debt</b>	196	229	230	245	676	637	771	908	938	452	849	969
<b>Total Permanent Liabilities</b>	251	297	334	361	796	1,002	1,147	1,322	1,368	689	1,081	1,298
<b>Permanent Assets</b>	106	115	147	168	584	589	607	632	622	353	632	829
<b>R&amp;D Industry Funded</b>	15	15	30	40	75	12	10	13	16	-	-	-
<b>Total</b>	36	100	159	153	98	39	23	26	28	-	-	-
<b>Operating Investments</b>	10	19	36	27	39	24	42	77	57	44	20	11
<b>Number of Employees</b>	8,398	9,055	10,053	10,860	11,709	11,690	12,925	13,176	12,874	12,638	11,413	9,621

## Ratios

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	117.9 %	112.4 %	113.2 %	108.0 %	92.6 %	123.1 %	124.0 %	126.4 %	132.9 %	121.1 %	89.0 %	57.7 %
Value Added per Worker (Thousand ECU)	25.7	23.1	25.7	27.6	23.0	31.5	30.6	34.9	39.5	40.5	31.9	20.4
<b>Research effort</b>												
Industry Funded R&D on Turnover	2.5 %	2.5 %	5.6 %	6.9 %	16.7 %	1.4 %	0.8 %	0.9 %	1.0 %	-	-	-
Total R&D on Turnover	6.0 %	16.2 %	29.9 %	26.2 %	21.7 %	4.4 %	1.9 %	1.9 %	1.7 %	-	-	-
<b>Operating Investments on Value Added</b>	4.7 %	8.9 %	14.1 %	9.1 %	14.6 %	6.6 %	10.7 %	16.9 %	11.2 %	8.7 %	5.4 %	5.6 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	78.3 %	77.0 %	68.8 %	67.6 %	84.8 %	63.6 %	67.2 %	68.7 %	68.5 %	65.6 %	78.5 %	74.6 %
<b>Profitability</b>												
Trading Income on Value Added	15.2 %	11.0 %	11.6 %	7.4 %	-8.0 %	18.8 %	19.4 %	20.9 %	24.8 %	17.4 %	-12.3 %	-73.2 %
Net Income on Value Added	3.3 %	4.5 %	5.1 %	2.6 %	-17.0 %	1.5 %	4.6 %	7.9 %	7.4 %	1.7 %	-58.1 %	-106.2 %
Net Income on Equity	13.2 %	13.7 %	12.6 %	6.8 %	-37.9 %	1.6 %	4.8 %	8.7 %	8.8 %	3.7 %	-90.8 %	-63.1 %
Net Income on Permanent Assets	6.7 %	8.1 %	9.0 %	4.7 %	-7.9 %	1.0 %	3.0 %	5.7 %	6.1 %	2.5 %	-33.4 %	-25.1 %

1) Companies: Fokker

Results for 1994 are included in the consolidated Daimler-Benz Aerospace, Germany.

The 1994 column is included here for completeness. It is not counted towards the EU totals (Table 11.1).

Source: Eurostat / Aérospatiale:

L'Industrie Aéronautique et Spatiale Mondiale 1990 - 1995

TABLE 10.7

FINANCE - Spain<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	-	-	355	305	313	532	601	764	681	693	763	731
<b>Value Added (gross)</b>	-	-	247	220	205	310	359	412	400	398	455	404
<b>Wage Costs</b>	-	-	184	207	214	261	292	306	322	317	293	260
<b>Trading Income</b>	-	-	62	13	-9	49	67	106	78	81	161	144
<b>Net Income</b>	-	-	13	-63	-97	-46	-29	-23	-54	-27	8	22
<b>Equity</b>	-	-	89	30	-68	-14	13	66	67	352	312	314
<b>Long and Medium Term Debt</b>	-	-	206	312	285	537	578	717	741	386	338	278
<b>Total Permanent Liabilities</b>	-	-	295	342	216	524	-591	783	808	738	650	599
<b>Permanent Assets</b>	-	-	135	174	195	256	504	662	626	511	381	313
<b>R&amp;D Industry Funded</b>	-	-	15	15	15	18	20	17	28	25	5	5
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	115	110
<b>Operating Investments</b>	-	-	46	47	50	62	74	45	55	32	16	28
<b>Number of Employees</b>	-	-	10,238	10,591	10,777	10,652	10,138	9,544	9,338	8,999	8,398	8,299
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	-	-	133.8 %	106.5 %	95.7 %	118.9 %	122.9 %	134.8 %	124.2 %	125.6 %	155.0 %	155.4 %
Value Added per Worker (Thousand ECU)	-	-	24.1	20.8	19.0	29.1	35.4	43.2	42.9	44.2	54.1	48.7
<b>Research effort</b>												
Industry Funded R&D on Turnover	-	-	4.2 %	4.8 %	4.7 %	3.4 %	3.4 %	2.2 %	4.1 %	3.5 %	0.6 %	0.7 %
Total R&D on Turnover	-	-	-	-	-	-	-	-	-	-	15.1 %	15.0 %
<b>Operating Investments on Value Added</b>	-	-	18.5 %	21.6 %	24.3 %	19.9 %	20.6 %	11.0 %	13.8 %	7.9 %	3.5 %	7.0 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	-	-	69.8 %	91.3 %	131.5 %	102.6 %	97.8 %	91.6 %	91.7 %	52.3 %	52.0 %	46.5 %
<b>Profitability</b>												
Trading Income on Value Added	-	-	25.2 %	6.1 %	-4.5 %	15.9 %	18.6 %	25.8 %	19.5 %	20.4 %	35.3 %	35.7 %
Net Income on Value Added	-	-	5.1 %	-28.8 %	-47.4 %	-14.7 %	-8.1 %	-5.5 %	-13.6 %	-6.8 %	1.8 %	5.3 %
Net Income on Equity	-	-	14.2 %	-212.2 %	142.4 %	331.6 %	-221.3 %	-34.2 %	-81.2 %	-7.7 %	2.7 %	6.9 %
Net Income on Permanent Assets	-	-	9.4 %	-36.5 %	-49.9 %	-17.8 %	-5.8 %	-3.4 %	-8.7 %	-5.3 %	2.2 %	6.9 %

1) Companies: CASA

Source: Eurostat / Aérospatiale:  
L'Industrie Aérospatiale et Spatiale Mondiale 1990 - 1995



TABLE 10.6

**FINANCE - Sweden<sup>1</sup>**  
**Million ECU at Current Prices**

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Turnover</b>	-	4,193	5,129	5,301	5,963	6,211	6,696	4,205	4,412	4,037	3,430	3,829
<b>Value Added (gross)</b>	-	1,513	1,713	1,788	1,873	1,947	1,997	1,546	1,669	1,646	1,329	1,541
<b>Wage Costs</b>	-	973	1,131	1,168	1,245	1,330	1,561	1,087	1,186	1,187	973	1,005
<b>Trading Income</b>	-	540	582	621	628	616	436	459	484	459	355	536
<b>Net Income</b>	-	112	116	203	204	225	168	49	196	81	39	1,261
<b>Equity</b>	-	1,675	2,042	2,231	2,468	2,788	2,953	2,763	2,513	1,361	1,131	1,086
<b>Long and Medium Term Debt</b>	-	635	644	807	904	1,019	1,079	950	1,470	2,708	1,807	1,892
<b>Total Permanent Liabilities</b>	-	-	-	-	-	3,807	4,032	3,713	3,983	4,069	2,938	2,978
<b>Permanent Assets</b>	-	1,227	1,523	1,801	2,137	2,518	3,206	2,426	2,795	3,085	2,584	2,579
<b>R&amp;D Industry Funded</b>	-	310	386	389	430	458	473	349	380	326	253	291
<b>Total</b>	-	78	67	58	58	84	613	436	500	388	338	347
<b>Operating Investments</b>	-	415	407	417	480	478	675	474	541	441	327	370
<b>Number of Employees</b>	-	46,381	48,644	50,994	53,325	52,203	52,512	33,384	33,857	33,112	30,593	30,500
<b>Ratios</b>												
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	-	155.5 %	151.5 %	153.2 %	150.4 %	146.3 %	127.9 %	142.3 %	140.8 %	138.7 %	136.5 %	153.3 %
Value Added per Worker (Thousand ECU)	-	32.6	35.2	35.1	35.1	37.3	38.0	46.3	49.3	49.7	43.4	50.5
<b>Research effort</b>												
Industry Funded R&D on Turnover	-	7.4 %	7.5 %	7.3 %	7.2 %	7.4 %	7.1 %	8.3 %	8.6 %	8.1 %	7.4 %	7.6 %
Total R&D on Turnover	-	1.9 %	1.3 %	1.1 %	1.0 %	1.3 %	9.2 %	10.4 %	11.3 %	9.6 %	9.9 %	9.1 %
<b>Operating Investments on Value Added</b>		27.4 %	23.7 %	23.3 %	25.6 %	24.6 %	33.8 %	30.7 %	32.4 %	26.8 %	24.6 %	24.0 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	-	-	-	-	-	26.8 %	26.7 %	25.6 %	36.9 %	66.6 %	61.5 %	63.5 %
<b>Profitability</b>												
Trading Income on Value Added	-	35.7 %	34.0 %	34.7 %	33.5 %	31.7 %	21.8 %	29.7 %	29.0 %	27.9 %	26.7 %	34.8 %
Net Income on Value Added	-	7.4 %	6.8 %	11.3 %	10.9 %	11.6 %	8.4 %	3.2 %	11.7 %	4.9 %	2.9 %	81.8 %
Net Income on Equity	-	6.7 %	5.7 %	9.1 %	8.3 %	8.1 %	5.7 %	1.8 %	7.8 %	5.9 %	3.5 %	116.1 %
Net Income on Permanent Assets	-	9.1 %	7.6 %	11.3 %	9.6 %	8.9 %	5.2 %	2.0 %	7.0 %	2.6 %	1.5 %	48.9 %

1) Companies: Saab-Scania (group), Volvo Aero (group)

Source: Eurostat / Aérospatiale:  
L'Industrie Aérospatiale Mondiale 1990 - 1995

TABLE 10.9

FINANCE - United Kingdom<sup>1</sup>

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990 <sup>4</sup>	1991 <sup>4</sup>	1992 <sup>4</sup>	1993 <sup>4</sup>	1994
<b>Turnover</b>	6,741	7,066	7,737	7,868	9,248	11,995	18,534	22,352	23,556	21,594	21,276	15,728
<b>Value Added (gross)</b>	2,609	2,990	3,307	3,152	3,387	4,534	5,938	7,428	7,812	6,593	6,067	4,509
<b>Wage Costs</b>	2,393	2,466	2,655	2,444	2,658	3,390	4,507	5,493	6,194	5,586	5,000	3,720
<b>Trading Income</b>	216	525	651	708	730	1,144	1,430	1,935	1,618	1,007	1,066	790
<b>Net Income</b>	-153	215	186	336	54	476	673	768	20	-1,299	1	458
<b>Equity</b>	2,035	2,336	2,760	2,741	2,812	4,830	5,719	6,431	6,792	4,847	4,648	3,465
<b>Long and Medium Term Debt</b>	1,384	1,463	1,213	1,152	1,258	2,113	3,288	3,174	3,432	4,913	4,582	3,999
<b>Total Permanent Liabilities</b>	3,419	3,799	3,973	3,893	4,070	6,943	9,008	9,606	10,225	9,760	9,230	7,464
<b>Permanent Assets</b>	1,342	1,685	1,764	1,637	2,089	4,651	5,616	6,227	6,697	6,984	6,576	4,756
<b>R&amp;D Industry Funded</b>	394	367	377	369	439	385	523	661 <sup>3</sup>	475 <sup>3</sup>	530 <sup>3</sup>	559 <sup>3</sup>	409 <sup>3</sup>
<b>Total</b>	535 <sup>2</sup>	489 <sup>2</sup>	526 <sup>2</sup>	1,151	1,149	1,464	1,665	1,680 <sup>3</sup>	1,613 <sup>3</sup>	1,519 <sup>3</sup>	1,513 <sup>3</sup>	1,141 <sup>3</sup>
<b>Operating Investments</b>	192	219	300	291	408	866	1,350	1,182	1,133	960	843	564
<b>Number of Employees</b>	136,264	129,690	128,658	128,158	139,138	183,660	192,474	228,986	234,342	209,765	187,636	131,156

## Ratios

Year	1983	1984	1985	1986	1987	1988	1989	1990 <sup>4</sup>	1991 <sup>4</sup>	1992 <sup>4</sup>	1993 <sup>4</sup>	1994
<b>Apparent Labour Productivity</b>												
Value Added on Wage Costs	109.0 %	121.3 %	124.5 %	129.0 %	127.5 %	133.8 %	131.7 %	135.2 %	126.1 %	118.0 %	121.3 %	121.2 %
Value Added per Worker (Thousand ECU)	19.1	23.1	25.7	24.6	24.3	24.7	30.8	32.4	33.3	31.4	32.3	34.4
<b>Research effort</b>												
Industry Funded R&D on Turnover	5.8 %	5.2 %	4.9 %	4.7 %	4.8 %	3.2 %	2.8 %	3.0 % <sup>3</sup>	2.0 % <sup>3</sup>	2.5 % <sup>3</sup>	2.6 % <sup>3</sup>	2.6 % <sup>3</sup>
Total R&D on Turnover	7.9 % <sup>2</sup>	6.9 % <sup>2</sup>	6.8 % <sup>2</sup>	14.6 %	12.4 %	12.2 %	9.0 %	7.5 % <sup>3</sup>	6.8 % <sup>3</sup>	7.0 % <sup>3</sup>	7.1 % <sup>3</sup>	7.3 % <sup>3</sup>
<b>Operating Investments on Value Added</b>	7.4 %	7.3 %	9.1 %	9.2 %	12.1 %	19.1 %	22.7 %	15.9 %	14.5 %	14.6 %	13.9 %	12.5 %
<b>Debt Ratio / Long and Medium Term Debt on Permanent Liabilities</b>	40.5 %	38.5 %	30.5 %	29.6 %	30.9 %	30.4 %	36.5 %	33.0 %	33.6 %	50.3 %	49.6 %	53.6 %
<b>Profitability</b>												
Trading Income on Value Added	8.3 %	17.5 %	19.7 %	22.5 %	21.5 %	25.2 %	24.1 %	26.0 %	20.7 %	15.3 %	17.6 %	17.5 %
Net Income on Value Added	-5.9 %	7.2 %	5.6 %	10.7 %	1.6 %	10.5 %	11.3 %	10.3 %	0.3 %	-19.7 %	0.0 %	10.1 %
Net Income on Equity	-7.5 %	9.2 %	6.7 %	12.3 %	1.9 %	9.9 %	11.8 %	11.9 %	0.3 %	-26.8 %	0.0 %	13.2 %
Net Income on Permanent Assets	-11.4 %	12.7 %	10.5 %	20.5 %	2.6 %	10.2 %	12.0 %	12.3 %	0.3 %	-18.6 %	0.0 %	9.6 %

1) Companies: BAe, Rolls-Royce, (GKN) Westland (1983 - 93), GEC-Marconi (from 1990)

2) Excluding Total R&amp;D expenditure for BAe for years 1983-85, as the figures are not communicated

3) Excluding R&amp;D expenditure for GEC-Marconi as the figures are not communicated

4) Years 1990 - 93 changed due to inclusion of GEC-Marconi as of 1990

Source: Eurostat / Aérospatiale:

L'Industrie Aéronautique et Spatiale Mondiale 1990 - 1995

## *Chapter 11*

# **Public Financing of R&D**

## PUBLIC FINANCING OF AEROSPACE R & D

Data relating to public financing of aerospace civil R&D are supplied by Eurostat (the Statistical Office of the European Communities). They cover public funds granted to industry, research centres, laboratories, universities, etc., in the field of aerospace equipment manufacture and repair (NABS code 0751<sup>1</sup>). The data relating to the exploration and exploitation of space (NABS 0900<sup>2</sup>) include credits allocated to ESA (European Space Agency).

The level of detail at which member states provide R&D information to Eurostat varies considerably, and figures are thus not available for all member states.

It should be noted that these data are not directly comparable with the figures provided in chapter 9 on R&D contracts due to differences in scope and classification.

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- 1 NABS: Nomenclature for the analysis and comparison of scientific programmes and budgets. The heading 0751 includes research on the manufacture of aerospace equipment (including hovercraft, guided weapons and spacecraft) provided that such research does not form part of programmes aimed at developing improved and safer transport systems (in which case these are entered under separate headings). General research into manufacturing and processing techniques and materials is entered under separate headings, and hence is not included.
  - 2 The heading 0900 covers all civil space research and technology. Corresponding research in the defence field is classified under separate heading.

TABLE 11.1

**PUBLIC FINANCING OF AEROSPACE CIVIL R & D**  
**National Final Budgets - Current Prices Mio. ECU**

NABS 0751 Aerospace Equipment Manufacture and Repair														
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	PT	SE
1983	-	4	166	-	-	-	-	172	-	-	15	-	-	-
1984	-	-	184	-	-	-	-	182	-	-	39	-	-	-
1985	-	-	343	-	-	-	-	287	-	-	40	-	-	-
1986	-	-	288	-	-	-	-	196	0	-	48	-	-	-
1987	-	-	356	-	-	-	-	144	0	-	41	-	-	-
1988	-	-	346	-	-	-	-	157	0	-	78	-	-	-
1989	-	-	379	-	-	-	-	195	0	0	87	-	-	-
1990	-	-	432	-	-	-	-	118	-	-	86	-	-	-
1991	-	-	468	-	19	-	-	17	0	-	-	-	-	-
1992	-	-	423	-	108	-	-	-29	0	-	5	-	-	-
1993	-	-	304	-	128	-	-	-43	0	-	-	-	-	-
1994 p	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995 p	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NABS 0900 Exploration and Exploitation of Space														
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	PT	SE
1983	-	30	338	11	-	-	395	126	-	1	123	41	-	-
1984	-	37	341	12	-	-	509	137	1	1	216	39	-	107
1985	-	43	369	14	30	-	560	217	1	2	260	42	-	66
1986	0	50	453	14	17	-	713	185	0	2	288	53	-	46
1987	0	66	560	15	57	-	725	184	0	3	438	50	-	39
1988	0	71	592	17	85	5	772	220	0	3	515	61	0	20
1989	2	90	645	18	112	24	919	216	0	3	505	54	0	21
1990	2	101	717	20	116	28	1,039	216	0	4	556	57	0	22
1991	3	106	773	22	162	27	1,149	190	0	4	492	62	1	41
1992	1	129	910	23	189	25	1,280	201	1	6	546	72	1	35
1993	1	153	944	26	146	24	1,372	236	1	-	460	91	1	29
1994 p	1	160	924	27	154	16	1,463	227	1	5	492	99	1	32
1995 p	1	172	876	24	162	21	1,391	194	1	6	426	102	-	29
Total Aeronautics and Space														
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	PT	SE
1983	-	34	504	-	-	-	-	298	-	-	137	-	-	-
1984	-	-	524	-	-	-	-	319	-	-	255	-	-	-
1985	-	-	712	-	-	-	-	504	-	-	299	-	-	-
1986	-	-	741	-	-	-	-	380	0	-	336	-	-	-
1987	-	-	916	-	-	-	-	328	0	-	479	-	-	-
1988	-	-	938	-	-	-	-	377	0	-	593	-	-	-
1989	-	-	1,025	-	-	-	-	411	1	3	592	-	-	-
1990	-	-	1,148	-	-	-	-	334	-	-	642	-	-	-
1991	-	-	1,242	-	181	-	-	207	0	-	-	-	-	-
1992	-	-	1,333	-	297	-	-	172	1	-	550	-	-	-
1993	-	-	1,247	-	274	-	-	193	1	-	-	-	-	-
1994 p	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995 p	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Negative appropriations appear as a result of previously granted funds being paid back to the state.  
 p Provisional budgets

Source: EUROSTAT CRONOS 2RD1

TABLE 11.2

**PUBLIC FINANCING OF AEROSPACE CIVIL R & D**  
**In % of Final Budgets for Total R&D Appropriations**

<i>NABS 0751 Aerospace Equipment Manufacture and Repair</i>														
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	PT	SE
1983	-	0.7 %	2.0 %	-	-	-	-	2.7 %	-	-	0.5 %	-	-	-
1984	-	-	2.1 %	-	-	-	-	2.7 %	-	-	1.2 %	-	-	-
1985	-	-	3.6 %	-	-	-	-	4.1 %	-	-	1.1 %	-	-	-
1986	-	-	2.9 %	-	-	-	-	3.1 %	0.1 %	-	1.1 %	-	-	-
1987	-	-	3.3 %	-	-	-	-	2.3 %	0.0 %	-	0.8 %	-	-	-
1988	-	-	3.2 %	-	-	-	-	2.3 %	0.1 %	-	1.4 %	-	-	-
1989	-	-	3.3 %	-	-	-	-	2.8 %	0.1 %	0.0 %	1.5 %	-	-	-
1990	-	-	3.5 %	-	-	-	-	1.7 %	-	-	1.4 %	-	-	-
1991	-	-	3.3 %	-	0.8 %	-	-	0.2 %	0.0 %	-	-	-	-	-
1992	-	-	2.7 %	-	4.7 %	-	-	-0.4 % <sup>1</sup>	0.0 %	-	0.1 %	-	-	-
1993	-	-	1.9 %	-	6.2 %	-	-	-0.6 % <sup>1</sup>	0.0 %	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>NABS 0900 Exploration and Exploitation of Space</i>														
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	PT	SE
1983	-	5.4 %	4.0 %	3.4 %	-	-	4.8 %	2.0 %	-	1.5 %	4.4 %	2.8 %	-	-
1984	-	6.2 %	3.9 %	3.3 %	-	-	5.6 %	2.0 %	0.5 %	1.8 %	6.4 %	2.6 %	-	6.7 %
1985	-	6.6 %	3.9 %	3.2 %	3.7 %	-	5.6 %	3.1 %	0.6 %	1.7 %	7.1 %	2.7 %	-	4.0 %
1986	0.0 %	7.7 %	4.5 %	2.7 %	2.1 %	-	7.0 %	2.9 %	0.3 %	2.1 %	6.5 %	3.1 %	-	2.9 %
1987	0.0 %	9.9 %	5.3 %	2.6 %	5.8 %	-	6.8 %	3.0 %	0.3 %	3.1 %	8.8 %	2.8 %	-	2.2 %
1988	0.0 %	10.6 %	5.5 %	2.3 %	6.8 %	0.8 %	6.7 %	3.3 %	0.3 %	3.1 %	9.0 %	3.3 %	0.1 %	1.1 %
1989	0.2 %	10.0 %	5.7 %	2.3 %	6.3 %	3.1 %	7.6 %	3.1 %	0.3 %	3.3 %	8.7 %	2.8 %	0.1 %	1.0 %
1990	0.3 %	10.9 %	5.9 %	2.5 %	5.4 %	3.2 %	8.0 %	3.1 %	0.3 %	3.4 %	8.7 %	2.8 %	0.1 %	1.0 %
1991	0.4 %	10.8 %	5.4 %	2.7 %	7.0 %	2.6 %	8.6 %	2.7 %	0.3 %	3.8 %	7.0 %	3.1 %	0.3 %	1.7 %
1992	0.1 %	12.7 %	5.9 %	3.0 %	8.1 %	2.7 %	9.7 %	2.9 %	0.4 %	4.2 %	7.2 %	3.4 %	0.2 %	1.4 %
1993	0.1 %	13.4 %	5.8 %	3.4 %	7.1 %	3.0 %	10.1 %	3.4 %	0.3 %	-	7.9 %	4.1 %	0.3 %	1.4 %
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Total Aeronautics and Space</i>														
Year	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	PT	SE
1983	-	6.1 %	6.0 %	-	-	-	-	4.7 %	-	-	4.9 %	-	-	-
1984	-	-	6.0 %	-	-	-	-	4.8 %	-	-	7.6 %	-	-	-
1985	-	-	7.5 %	-	-	-	-	7.2 %	-	-	8.2 %	-	-	-
1986	-	-	7.4 %	-	-	-	-	6.0 %	0.4 %	-	7.6 %	-	-	-
1987	-	-	8.6 %	-	-	-	-	5.3 %	0.3 %	-	9.7 %	-	-	-
1988	-	-	8.7 %	-	-	-	-	5.6 %	0.4 %	-	10.4 %	-	-	-
1989	-	-	9.0 %	-	-	-	-	5.8 %	0.4 %	3.3 %	10.2 %	-	-	-
1990	-	-	9.4 %	-	-	-	-	4.8 %	-	-	10.1 %	-	-	-
1991	-	-	8.6 %	-	7.8 %	-	-	2.9 %	0.3 %	-	-	-	-	-
1992	-	-	8.7 %	-	12.8 %	-	-	2.5 %	0.5 %	-	7.3 %	-	-	-
1993	-	-	7.7 %	-	13.4 %	-	-	2.8 %	0.3 %	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1) Negative appropriation: appear as a result of previously granted funds being paid back to the state.

Source: EUROSTAT CRONOS ZRD)

## *Chapter 12*

# **Employment**





The annual survey, conducted by DG III together with the industrial associations of 8 EU Member States - A.I.A. (IT), A.T.E.C.M.A. (ES), B.D.L.I. (DE), G.E.B.E.C.O.M.A. (BE), G.I.F.A.S. (FR), N.A.I. (NL), S.A.I. (SE) (from 1993) and S.B.A.C. (GB) -, enables the **employment in the European aerospace industry**<sup>1</sup> to be broken down by *professional categories* and by *activities*.

Participants to this survey are the aerospace companies whose turnover concerns (partly or entirely) one or more of the 4 groups of aerospace products listed in the introductory comments of Chapter 9 (complete aircraft/missiles, complete space systems, aircraft/missiles propulsion devices / engines, aircraft/missiles equipment).

The *professional categories* are the following:

- *engineers and managers*,
- *technical and administrative employees* comprise technicians, draughtsmen, craftsmen, supervisors, foremen, clerical and office staff, etc.
- *production workers* (skilled and unskilled)

The professional categories indicated correspond to the actual functions carried out, and do not necessarily correspond to the formal qualifications possessed.

The *activities* considered concern:

- *R & D*;
- *production*, including maintenance, repairs and post-delivery modifications;
- *marketing and management*, including all the activities involved in running the company (general management, general accounting, financial management, personnel management, etc.) besides marketing activities and after-sales services.

#### *Note*

Due to varying registration methods within the participating companies, and the limited number of categories available for classifying employees, the breakdowns by professional category and by activity do not necessarily add up to the same amount. When considering total employment per country the figures are taken from the activity classification which is the most complete.

<sup>1</sup> Data for Spain relating to the years 1984 - 86 have been estimated by linear regression to the employment of the major aerospace company Casa. Data for the Netherlands are not available for 1995. They have been estimated on the basis on 1994 figures.

TABLE 12.1

## AEROSPACE EMPLOYMENT

## Total Figures at Year-end

	BE	DE	ES	FR	GB	IT	NL	SE	EU	USA <sup>1</sup>	Canada	Japan
1980	7,032	66,086	8,177	110,784	229,821	40,934	8,862	n/a	<b>471,695</b>	830,000	46,800	32,991
1981	6,886	68,650	9,516	113,688	249,863	41,920	9,706	n/a	<b>500,229</b>	829,000	44,800	33,800
1982	6,705	66,883	10,216	115,983	230,961	42,907	9,527	n/a	<b>483,182</b>	765,000	39,800	35,100
1983	6,127	65,677	10,538	127,267	221,998	42,546	8,398	n/a	<b>482,551</b>	765,000	37,100	33,800
1984	5,757	65,366	11,439 e	127,815	203,201	42,885	9,055	n/a	<b>465,518</b>	817,000	44,041	34,200
1985	5,470	77,256	11,836 e	127,072	206,676	43,284	10,053	n/a	<b>481,647</b>	898,000	48,794	34,300
1986	5,743	85,021	12,019 e	126,055	203,489	44,780	10,860	n/a	<b>487,967</b>	948,000	54,633	33,350
1987	5,510	86,573	11,304	122,315	207,161	47,000	11,530	n/a	<b>491,393</b>	968,000	58,861	36,610
1988	4,829	93,561	11,770	119,484	196,682	49,500	11,584	n/a	<b>487,410</b>	977,000	62,859	37,500
1989	5,239	94,456	12,581	120,334	189,911	50,501	12,723	n/a	<b>485,745</b>	992,000	66,106	38,300
1990	5,234	95,042	12,627	120,720	186,337	50,698	13,315	n/a	<b>483,973</b>	946,000	65,679	39,100
1991	7,160	86,299	12,362	118,300	167,614	47,000	12,606	n/a	<b>451,341</b>	879,000	65,615	40,300
1992	6,748	78,501	11,067	111,700	149,725	42,000	12,363	n/a	<b>412,104</b>	775,000	61,316	40,200
1993	5,745	72,895	9,619	105,600	132,019	37,000	10,414	12,693	<b>385,985</b>	676,000	53,432	39,600
1994	5,197	67,965	9,441	100,500	119,353	37,000	8,827	12,024	<b>360,307</b>	616,000	54,031	38,100
1995	6,678	63,335	11,020	97,500	110,549	35,000	11,450 e	12,529	<b>348,061</b>	580,000	57,239	38,300

1) USA: Employment in the aircraft, missile, and space industries (SICs 372 and 376) plus estimated aerospace-related employment in the communications (SIC 3662) and instruments (SICs 381 and 382). Other space-related industries are excluded.

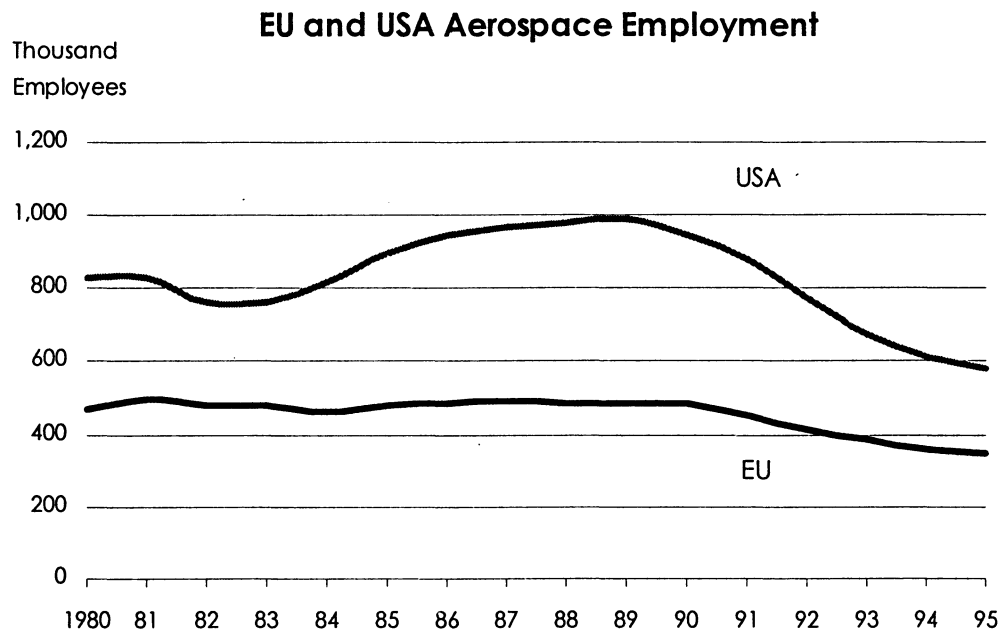
e Estimated

Sources: EU: Industrial Associations / DGIII Annual Survey

USA: Aerospace Industries Association (AIA)

CANADA: Industry Canada; JAPAN: SJAC

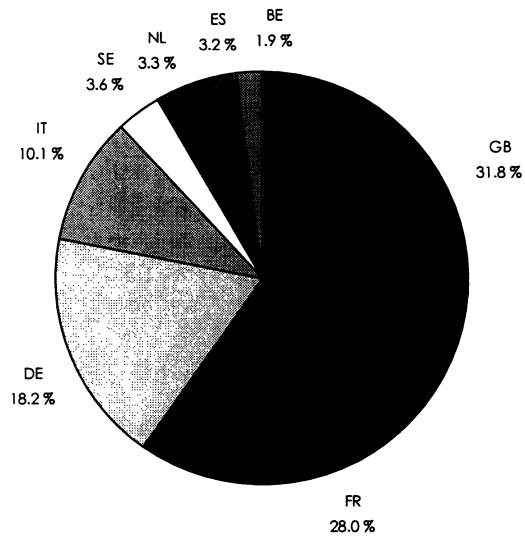
CHART 12.1



Sources: EU: Industrial Associations / DGIII Annual Survey;  
USA: Aerospace Industries Association (AIA)

CHART 12.2

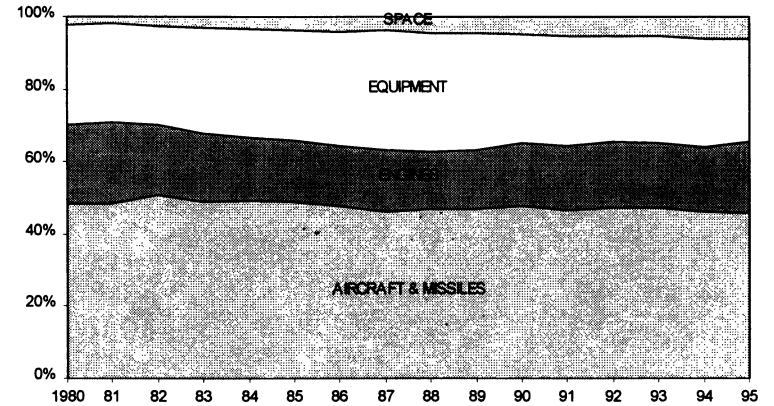
EU AEROSPACE EMPLOYMENT 1995  
Breakdown by Country



Source: Industrial Associations / DGIII Annual Survey

CHART 12.3

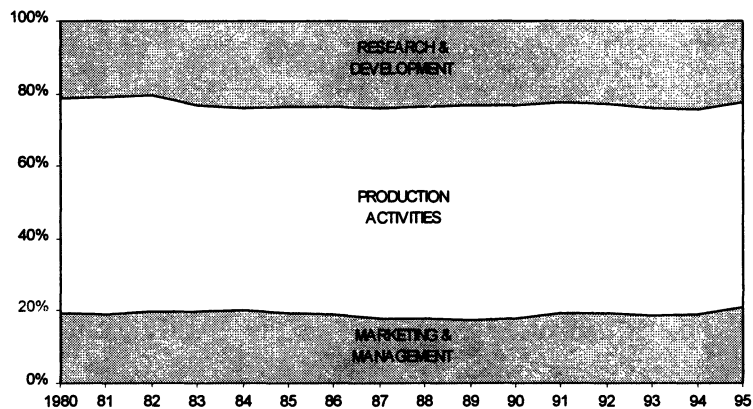
EU AEROSPACE EMPLOYMENT  
Breakdown by Sector



Source: Industrial Associations / DGIII Annual Survey

CHART 12.4

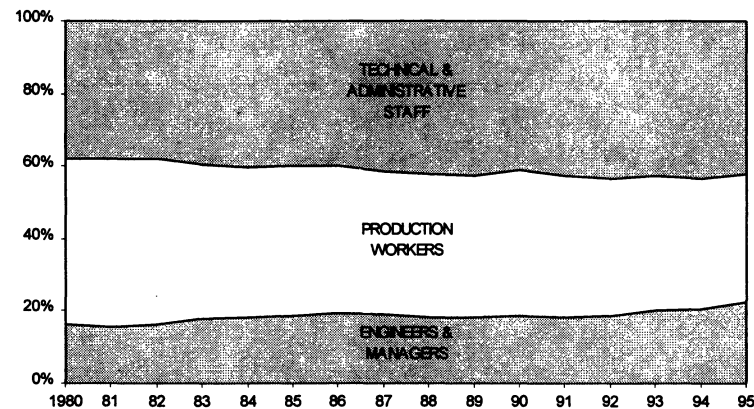
**EU AEROSPACE EMPLOYMENT**  
Breakdown by Activity



Source: Industrial Associations / DGIII Annual Survey

CHART 12.5

**EU AEROSPACE EMPLOYMENT**  
Breakdown by Professional Category



Source: Industrial Associations / DGIII Annual Survey

TABLE 12.2

## BREAKDOWN OF EU WORKFORCE AT YEAR-END

## All Aerospace Sectors

	Professional Category						Activity					
	Engineers and Managers		Technical and Administrative Staff		Production Workers		R & D		Production		Marketing and Management	
	#	% of Total	#	% of Total	#	% of Total	#	% of Total	#	% of Total	#	% of Total
1980	75,937	16.1 %	179,529	38.1 %	216,230	45.8 %	99,784	21.2 %	280,439	59.5 %	91,472	19.4 %
1981	76,810	15.4 %	190,871	38.2 %	232,548	46.5 %	103,831	20.8 %	301,637	60.3 %	94,760	18.9 %
1982	79,359	16.4 %	183,781	38.0 %	220,042	45.5 %	99,378	20.6 %	288,568	59.7 %	95,235	19.7 %
1983	85,220	17.7 %	191,340	39.7 %	205,991	42.7 %	111,941	23.2 %	275,515	57.1 %	95,097	19.7 %
1984	85,543	18.4 %	187,102	40.2 %	192,873	41.4 %	112,350	24.1 %	259,333	55.7 %	93,835	20.2 %
1985	89,981	18.7 %	193,093	40.1 %	198,573	41.2 %	113,299	23.5 %	274,539	57.0 %	93,809	19.5 %
1986	95,288	19.5 %	194,308	39.8 %	198,371	40.7 %	114,736	23.5 %	280,949	57.6 %	92,284	18.9 %
1987	93,443	19.0 %	204,029	41.5 %	193,921	39.5 %	117,216	23.9 %	286,448	58.3 %	87,729	17.9 %
1988	88,500	18.2 %	206,635	42.4 %	192,275	39.4 %	114,305	23.5 %	286,359	58.8 %	86,747	17.8 %
1989	88,250	18.2 %	207,444	42.7 %	190,051	39.1 %	112,469	23.2 %	288,600	59.4 %	84,671	17.4 %
1990	90,465	18.7 %	198,755	41.1 %	194,753	40.2 %	113,127	23.4 %	283,678	58.6 %	87,167	18.0 %
1991	81,854	18.1 %	192,297	42.6 %	177,190	39.3 %	101,550	22.5 %	261,958	58.0 %	88,274	19.5 %
1992	76,648	18.6 %	179,380	43.5 %	156,076	37.9 %	93,807	22.7 %	238,237	57.8 %	80,440	19.5 %
1993	77,633	20.1 %	164,619	42.6 %	144,526	37.4 %	93,113	24.1 %	222,609	57.5 %	71,349	18.4 %
1994	73,828	20.5 %	156,574	43.5 %	129,905	36.1 %	87,609	24.3 %	204,192	56.6 %	68,945	19.1 %
1995	78,421	22.5 %	146,760	42.2 %	122,880	35.3 %	78,604	22.6 %	197,156	56.6 %	72,301	20.8 %

Source: Industrial Associations / DGIII Annual Survey

TABLE 12.3

## BREAKDOWN OF EU WORKFORCE AT YEAR-END

## By Sector and by Member State

	AIRCRAFT AND MISSILES									ENGINES									
	BE	DE	ES	FR	GB	IT	NL	SE	EU	BE	DE	ES	FR	GB	IT	NL	SE	EU	
1980	3,755	40,901	7,290	60,058	83,907	26,534	6,375	n/a	<b>228,820</b>	1980	2,262	8,701	226	22,570	62,986	6,037	0	n/a	<b>102,782</b>
1981	3,461	42,472	8,553	61,067	92,310	26,930	6,982	n/a	<b>241,775</b>	1981	2,398	8,955	240	23,360	70,942	6,292	0	n/a	<b>112,187</b>
1982	3,329	40,501	9,233	61,382	94,953	28,183	6,852	n/a	<b>244,433</b>	1982	2,357	8,697	259	24,030	53,671	5,984	0	n/a	<b>94,998</b>
1983	2,919	38,722	9,535	60,301	90,015	28,255	6,039	n/a	<b>235,786</b>	1983	2,238	7,717	261	24,421	51,264	5,803	0	n/a	<b>91,707</b>
1984	2,757	39,411	10,079 e	60,525	81,844	27,850	6,511	n/a	<b>228,977</b>	1984	2,107	8,434	396 e	24,927	40,630	5,645	0	n/a	<b>82,139</b>
1985	2,577	41,694	10,301 e	59,954	86,799	26,280	7,229	n/a	<b>234,834</b>	1985	2,053	8,096	466 e	25,100	40,701	6,475	0	n/a	<b>82,891</b>
1986	2,714	44,934	10,331 e	57,630	81,463	27,087	7,809	n/a	<b>231,968</b>	1986	2,053	8,790	530 e	25,271	38,591	6,086	0	n/a	<b>81,321</b>
1987	2,680	40,698	9,808	55,613	82,249	27,965	8,439	n/a	<b>227,452</b>	1987	1,878	9,481	528	25,453	39,924	6,392	0	n/a	<b>83,656</b>
1988	2,611	43,824	9,601	54,317	81,170	27,918	8,789	n/a	<b>228,230</b>	1988	1,611	9,824	663	24,059	34,765	6,830	0	n/a	<b>77,572</b>
1989	2,847	45,237	10,469	54,466	76,088	29,543	9,717	n/a	<b>228,367</b>	1989	1,555	9,802	720	24,125	36,004	6,868	0	n/a	<b>79,074</b>
1990	2,806	48,598	10,654	53,160	76,318	29,152	10,243	n/a	<b>230,931</b>	1990	1,590	10,926	395	24,880	39,523	6,945	0	n/a	<b>84,259</b>
1991	4,220	37,769	9,864	52,270	67,886	27,965	9,319	n/a	<b>209,293</b>	1991	1,847	10,072	913	24,220	37,083	7,332	0	n/a	<b>81,467</b>
1992	4,039	39,948	9,302	50,670	57,371	24,528	9,133	n/a	<b>194,991</b>	1992	1,741	10,259	852	23,220	32,174	6,636	0	n/a	<b>74,882</b>
1993	3,837	37,652	8,016	48,240	47,642	21,460	7,558	7,515	<b>181,920</b>	1993	1,741	8,555	836	21,840	28,052	6,178	0	3,053	<b>70,255</b>
1994	3,770	33,870	7,922	46,920	42,259	18,759	6,381	7,074	<b>166,955</b>	1994	560	7,827	788	20,960	24,503	5,698	57	2,771	<b>63,164</b>
1995	3,486	28,069	9,113	45,050	37,373	20,300	8,277 e	7,327	<b>158,995</b>	1995	1,617	8,787	851	20,290	28,810	5,845	74 e	2,871	<b>69,145</b>
	EQUIPMENT									SPACE									
	BE	DE	ES	FR	GB	IT	NL	SE	EU	BE	DE	ES	FR	GB	IT	NL	SE	EU	
1980	770	13,718	515	25,474	78,511	7,493	2,278	n/a	<b>128,759</b>	1980	245	2,766	146	2,681	4,417	870	209	n/a	<b>11,334</b>
1981	728	14,542	567	26,100	83,443	7,887	2,495	n/a	<b>135,762</b>	1981	299	2,681	156	3,160	3,168	811	229	n/a	<b>10,504</b>
1982	655	13,958	584	26,116	78,900	7,826	2,449	n/a	<b>130,488</b>	1982	364	3,727	140	4,454	3,437	914	226	n/a	<b>13,262</b>
1983	560	14,806	586	37,848	76,612	7,205	2,158	n/a	<b>139,775</b>	1983	410	4,432	156	4,696	4,107	1,283	201	n/a	<b>15,285</b>
1984	513	12,454	735 e	36,357	77,761	7,970	2,327	n/a	<b>138,117</b>	1984	380	5,067	229 e	6,006	2,966	1,420	217	n/a	<b>16,285</b>
1985	406	22,019	802 e	35,323	76,577	8,249	2,583	n/a	<b>145,959</b>	1985	434	5,447	267 e	6,695	2,599	2,280	241	n/a	<b>17,963</b>
1986	405	25,744	856 e	34,659	80,935	8,643	2,791	n/a	<b>154,033</b>	1986	571	5,553	302 e	8,497	2,500	2,964	260	n/a	<b>20,647</b>
1987	397	30,498	587	35,061	82,630	9,400	2,814	n/a	<b>161,387</b>	1987	555	5,896	381	6,189	2,358	3,243	276	n/a	<b>18,898</b>
1988	263	33,609	540	32,574	78,000	11,138	2,481	n/a	<b>158,605</b>	1988	344	6,304	966	8,534	2,747	3,614	315	n/a	<b>22,824</b>
1989	288	32,943	997	32,663	75,841	10,555	2,605	n/a	<b>155,892</b>	1989	549	6,474	395	9,080	1,978	3,535	396	n/a	<b>22,407</b>
1990	248	28,512	1,001	32,960	68,187	10,951	2,644	n/a	<b>144,503</b>	1990	590	7,006	577	9,720	2,309	3,650	427	n/a	<b>24,279</b>
1991	1,199	31,502	900	31,640	60,495	8,084	2,852	n/a	<b>136,672</b>	1991	335	6,956	685	10,170	2,150	3,619	435	n/a	<b>24,350</b>
1992	1,076	21,707	322	28,660	58,959	6,804	2,794	n/a	<b>120,322</b>	1992	272	6,587	591	9,150	1,221	4,032	436	n/a	<b>22,289</b>
1993	179	20,779	193	26,760	55,233	5,477	2,436	1,601	<b>112,658</b>	1993	281	5,909	574	8,760	1,092	3,885	420	524	<b>21,445</b>
1994	991	21,265	183	23,920	51,716	7,068	1,953	1,637	<b>108,733</b>	1994	315	5,003	548	8,700	875	5,475	436	542	<b>21,894</b>
1995	1,016	21,302	455	23,750	42,495	5,179	2,533 e	1,749	<b>98,479</b>	1995	559	5,177	601	8,410	1,871	3,676	566 e	582	<b>21,442</b>

e Estimated

Source: Industrial Associations / DGIII Annual Survey

TABLE 12.4

## BREAKDOWN OF EU WORKFORCE AT YEAR-END

## By Sector and by Professional Category / Activity

AIRCRAFT AND MISSILES							ENGINES						
Professional Category			Activity				Professional Category			Activity			
Year	Engineers Technical and Administrative		Production Workers	R & D	Marketing and		Year	Engineers Technical and Administrative		Production Workers	R & D	Marketing and	
	Managers	Staff			Production Management	Managers		Staff	Production Management			Managers	Staff
1980	33,804	93,577	101,480	44,742	140,817	43,261	1980	14,128	32,924	55,716	15,772	67,259	19,751
1981	35,132	97,256	109,434	46,062	148,580	47,133	1981	14,208	38,686	59,321	17,582	73,429	21,176
1982	36,646	98,407	109,455	47,205	149,401	47,827	1982	15,480	30,439	49,122	15,959	58,383	20,656
1983	38,868	95,500	101,484	51,384	137,410	46,992	1983	15,211	32,273	44,225	17,091	54,475	20,141
1984	39,309	94,260	95,408	51,963	130,321	46,693	1984	13,947	28,989	39,203	15,845	48,828	17,466
1985	39,854	94,863	100,117	48,623	140,323	45,888	1985	14,271	28,627	39,993	15,660	49,823	17,408
1986	39,978	96,975	95,131	48,615	137,708	45,645	1986	13,703	28,280	39,344	15,324	49,607	16,390
1987	39,935	93,873	93,587	51,641	135,117	40,694	1987	12,976	35,495	35,189	16,510	51,814	15,332
1988	39,567	97,679	90,984	51,061	136,859	40,310	1988	11,756	32,708	33,288	15,496	47,809	14,447
1989	37,980	99,832	90,555	49,842	139,309	39,216	1989	12,181	33,345	33,548	15,918	48,351	14,805
1990	41,302	98,630	90,999	50,340	139,581	41,010	1990	11,673	32,667	39,919	17,615	52,026	14,618
1991	36,821	93,519	78,807	42,061	127,662	39,570	1991	10,706	33,278	37,337	17,251	47,877	16,339
1992	33,727	89,968	71,210	37,726	119,019	38,246	1992	10,362	31,425	32,949	18,364	43,062	13,456
1993	33,722	81,405	66,713	36,968	111,638	33,380	1993	9,469	29,964	30,676	17,701	41,078	11,476
1994	32,278	74,948	59,583	34,119	101,838	30,998	1994	8,742	27,516	26,760	15,793	36,537	10,834
1995	35,426	70,776	52,793	30,310	91,106	37,579	1995	11,845	28,202	29,098	16,581	40,160	12,404

EQUIPMENT							SPACE						
Professional Category			Activity				Professional Category			Activity			
Year	Engineers Technical and Administrative		Production Workers	R & D	Marketing and		Year	Engineers Technical and Administrative		Production Workers	R & D	Marketing and	
	Managers	Staff			Production Management	Managers		Staff	Production Management			Managers	Staff
1980	24,703	47,773	56,257	32,772	69,326	26,661	1980	3,302	5,255	2,777	6,498	3,037	1,799
1981	24,907	49,984	60,796	34,117	76,687	24,958	1981	2,563	4,945	2,997	6,070	2,941	1,493
1982	23,551	48,871	57,949	28,628	77,089	24,771	1982	3,682	6,064	3,516	7,586	3,695	1,981
1983	26,873	56,047	56,785	34,656	79,553	25,566	1983	4,268	7,520	3,497	8,810	4,077	2,398
1984	27,991	56,070	54,056	36,766	74,308	27,043	1984	4,296	7,783	4,206	7,776	5,876	2,633
1985	30,954	60,131	54,874	39,192	79,482	27,285	1985	4,902	9,472	3,589	9,824	4,911	3,228
1986	35,673	58,367	59,870	39,702	87,494	26,837	1986	5,934	10,686	4,026	11,095	6,140	3,412
1987	34,736	64,628	62,076	39,325	93,971	28,091	1987	5,796	10,033	3,069	9,740	5,546	3,612
1988	29,342	64,788	64,475	36,386	94,721	27,498	1988	7,835	11,460	3,528	11,362	6,970	4,492
1989	30,312	64,103	61,482	35,914	92,769	27,209	1989	7,777	10,164	4,466	10,795	8,171	3,441
1990	28,748	56,875	58,881	33,582	83,469	27,452	1990	8,742	10,583	4,954	11,590	8,602	4,087
1991	25,540	54,450	56,533	30,193	78,012	28,467	1991	8,787	11,050	4,513	12,045	8,407	3,698
1992	24,977	47,866	47,331	27,513	68,302	24,507	1992	7,582	10,121	4,586	10,204	7,854	4,231
1993	26,203	43,764	43,110	27,764	62,266	23,048	1993	8,239	9,486	4,027	10,680	7,627	3,445
1994	25,170	44,219	39,197	27,408	57,663	23,662	1994	7,638	9,891	4,365	10,289	8,154	3,451
1995	22,894	38,703	36,882	21,910	57,594	18,975	1995	8,256	9,079	4,107	9,803	8,296	3,343

Source: Industrial Associations / DGIII Annual Survey



# Appendices



## AVERAGE ANNUAL ECU EXCHANGE RATES<sup>1</sup>

1 ECU =

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	CH	AU	CA	JP	US
	OS	BEC	DM	DKR	PTA	FMK	FF	UKL	DRA	IRL	LIT	LUF	HFL	ESC	SKR	SFR	AUD	CAD	YEN	USD
1970	26.578	51.112	3.7414	7.6668	71.36	4.2934	5.6777	0.426	30.67	0.426	638.9	51.112	3.7005	29.38	5.2882	4.4702	0.9127	1.0710	368.00	1.0222
1971	26.179	50.866	3.6457	7.7526	72.57	4.3842	5.7721	0.429	31.43	0.429	647.4	50.866	3.6575	29.64	5.3707	4.3313	0.9248	1.0580	363.83	1.0478
1972	25.930	49.361	3.5768	7.7891	72.00	4.6512	5.6572	0.449	33.65	0.449	654.3	49.361	3.5999	30.48	5.3424	4.2843	0.9408	1.1105	339.72	1.1218
1973	24.117	47.801	3.2764	7.4160	71.81	4.7067	5.4678	0.502	36.95	0.502	716.5	47.801	3.4285	30.27	5.3792	3.8982	0.8665	1.2318	333.17	1.2317
1974	22.471	45.912	3.0867	7.1932	68.84	4.5365	5.6745	0.514	35.78	0.514	791.7	45.912	3.1714	29.93	5.3367	3.5814	0.8375	1.1757	339.68	1.2021
1975	21.547	45.569	3.0494	7.1227	70.27	4.5640	5.3192	0.560	39.99	0.560	809.5	45.569	3.1349	31.44	5.1413	3.2005	0.9480	1.2620	360.73	1.2408
1976	20.035	43.166	2.8155	6.7618	74.74	4.3112	5.3449	0.622	40.88	0.622	930.2	43.166	2.9552	33.62	4.8666	2.7940	0.9149	1.1023	331.21	1.1180
1977	18.842	40.883	2.6483	6.8557	86.82	4.5934	5.6061	0.654	42.16	0.654	1,006.8	40.883	2.8001	43.62	5.1193	2.7389	1.0291	1.2140	305.81	1.1411
1978	18.464	40.061	2.5561	7.0195	97.42	5.2385	5.7398	0.664	46.80	0.664	1,080.2	40.061	2.7541	55.87	5.7494	2.2722	1.1131	1.4537	267.08	1.2741
1979	18.310	40.165	2.5110	7.2079	91.97	5.3220	5.8298	0.646	50.76	0.669	1,138.4	40.165	2.7488	67.01	5.8717	2.2787	1.2261	1.6056	300.46	1.3705
1980	17.969	40.598	2.5242	7.8274	99.70	5.1722	5.8690	0.598	59.42	0.676	1,189.2	40.598	2.7603	69.55	5.8810	2.3278	1.2228	1.6261	315.04	1.3923
1981	17.715	41.295	2.5139	7.9226	102.68	4.7930	6.0399	0.553	61.62	0.691	1,263.2	41.295	2.7751	68.49	5.6347	2.1871	0.9715	1.3379	245.38	1.1164
1982	16.699	44.712	2.3760	8.1569	107.56	4.7072	6.4312	0.560	65.34	0.690	1,323.8	44.712	2.6139	78.01	6.1434	1.9863	0.9647	1.2082	243.55	0.9797
1983	15.969	45.438	2.2705	8.1319	127.50	4.9482	6.7708	0.587	78.09	0.715	1,349.9	45.438	2.5372	98.69	6.8212	1.8675	0.9873	1.0967	211.35	0.8902
1984	15.735	45.442	2.2381	8.1465	126.57	4.7241	6.8717	0.591	88.42	0.726	1,381.4	45.442	2.5234	115.68	6.5110	1.8475	0.8971	1.0207	187.09	0.7890
1985	15.643	44.914	2.2263	8.0188	129.13	4.6942	6.7950	0.589	105.74	0.715	1,448.0	44.914	2.5110	130.25	6.5213	1.8557	1.0921	1.0420	180.56	0.7631
1986	14.964	43.798	2.1282	7.9357	137.46	4.9797	6.7998	0.672	137.42	0.734	1,461.9	43.798	2.4009	147.09	6.9957	1.7609	1.4780	1.3673	165.00	0.9842
1987	14.571	43.041	2.0715	7.8847	142.16	5.0652	6.9291	0.705	156.27	0.775	1,494.9	43.041	2.3342	162.62	7.3100	1.7178	1.6473	1.5302	166.60	1.1544
1988	14.586	43.429	2.0744	7.9515	137.60	4.9436	7.0364	0.664	167.58	0.776	1,537.3	43.429	2.3348	170.06	7.2419	1.7282	1.5140	1.4559	151.46	1.1825
1989	14.570	43.381	2.0702	8.0493	130.41	4.7230	7.0239	0.673	178.84	0.777	1,510.5	43.381	2.3353	173.41	7.0994	1.8001	1.3928	1.3043	151.94	1.1017
1990	14.440	42.426	2.0521	7.8565	129.41	4.8550	6.9141	0.714	201.41	0.768	1,522.0	42.426	2.3121	181.11	7.5205	1.7622	1.6302	1.4854	183.66	1.2734
1991	14.431	42.223	2.0508	7.9086	128.47	5.0021	6.9733	0.701	225.22	0.768	1,533.2	42.223	2.3110	178.61	7.4793	1.7725	1.5910	1.4198	166.49	1.2392
1992	14.217	41.593	2.0203	7.8093	132.53	5.8070	6.8484	0.738	247.03	0.761	1,595.5	41.593	2.2748	174.71	7.5330	1.8178	1.7695	1.5686	164.22	1.2981
1993	13.624	40.471	1.9364	7.5936	149.12	6.6963	6.6337	0.780	268.57	0.800	1,841.2	40.471	2.1752	188.37	9.1215	1.7302	1.7240	1.5107	130.15	1.1710
1994	13.540	39.657	1.9245	7.5433	158.92	6.1908	6.5826	0.776	288.03	0.794	1,915.1	39.657	2.1583	196.90	9.1631	1.6213	1.6247	1.6247	121.32	1.1895
1995	13.182 r	38.552 r	1.8738 r	7.3280 r	163.00	5.7086 r	6.5251 r	0.829	302.99 r	0.816	2,130.1 r	38.552 r	2.0989 r	196.10 r	9.3319 r	1.5457 r	1.7652 r	1.7948 r	123.01 r	1.3080 r
1996	13.435	39.300	1.9096	7.3598	160.74	5.8301	6.4932	0.814	305.57	0.793	1,958.8	39.300	2.1398	195.77	8.5156	1.5682	1.6226	1.7312	138.04	1.2695
1997 f	13.652	39.985	1.9401	7.4253	163.36	5.7969	6.5540	0.755	315.02	0.753	1,919.8	39.985	2.1769	195.69	8.5630	1.6591	1.5758	1.7015	141.66	1.2535
1998 f	13.652	39.985	1.9401	7.4253	163.36	5.8020	6.5540	0.762	328.86	0.753	1,933.2	39.985	2.1769	195.69	8.6198	1.6591	1.5880	1.6997	140.40	1.2577

r Revised

f Forecast

Source: Commission Services

1) The annual average rates are calculated as averages of the daily rates throughout the year.

## GROSS DOMESTIC PRODUCT AT CURRENT MARKET PRICES

(Billion ECU)

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 12	EU 15	AU	CA	JP	US
1970	14.1	24.9 r	180.5	15.5	36.9	10.7	139.8	121.2	11.8 r	4.0	105.1	1.2	33.2 r	6.9	32.9	681.0 r	738.6 r	38.5	82.6	199.3	989.6
1971	16.0	27.4 r	205.7	16.9	40.9	11.5	153.2	134.4	12.7 r	4.6 r	112.8 r	1.2	37.9 r	7.7 r	35.1	755.4 r	817.8 r	42.5	91.3	221.8	1,048.1
1972	18.5	31.5 r	230.1	19.4	48.4	12.6	174.6	143.6	13.6 r	5.3 r	121.9 r	1.4	43.4 r	8.7 r	38.6	841.9 r	911.6 r	47.6	97.1	272.0	1,076.8
1973	22.5	37.0 r	280.0	23.3	58.5	15.2	206.6	147.5	15.9 r	5.7 r	134.8 r	1.8 r	52.2	10.7 r	42.6	974.0 r	1,054.2 r	61.9	102.6	337.7	1,096.4
1974	27.5	45.1 r	318.8	26.9	74.7	19.9	229.6	163.0	19.1 r	6.1	154.1 r	2.3 r	64.1	13.0 r	48.5	1,116.8 r	1,212.7 r	77.3 r	128.4	395.2	1,215.0
1975	30.5	50.2 r	336.7	30.4	85.9	22.6	276.0	188.6	20.4 r	7.1 r	171.2	2.1	71.5 r	13.7 r	59.2	1,253.8 r	1,366.0 r	80.8 r	134.8	411.2	1,279.5
1976	36.2	60.2 r	398.0	37.2	97.2	27.1	318.2	201.1	24.4 r	7.9 r	187.7 r	2.6 r	86.5 r	16.0 r	70.7	1,437.0 r	1,570.8 r	95.7 r	178.1	502.9	1,583.4
1977	42.3	68.7 r	451.3	40.7	106.2	28.0	342.1	222.8	27.7 r	9.2 r	211.3 r	2.8 r	99.6 r	16.4 r	73.1	1,598.8 r	1,742.1 r	92.6 r	178.0	607.0	1,731.1
1978	45.6	75.1 r	502.2	44.4	115.8	27.2	380.3	253.3	30.1 r	10.7 r	232.4 r	3.1	109.1 r	16.1 r	72.6	1,772.6 r	1,917.9 r	97.4 r	164.8	765.3	1,749.9
1979	50.2	80.0 r	552.9	48.1	143.5	31.1	425.6	306.1	34.1 r	12.5 r	270.4 r	3.4 r	116.4 r	17.0 r	79.6	2,010.0 r	2,170.9 r	100.6 r	170.7	737.4	1,813.9
1980	55.4	85.7 r	583.2	47.8	152.1	37.0	478.5	386.4	34.9 r	14.6 r	324.0 r	3.6	123.8 r	20.7 r	90.3	2,255.3 r	2,437.8 r	115.0 r	189.2	762.4	1,945.1
1981	59.6	87.4 r	610.6	51.5	166.0	45.2	524.0	459.7	40.3 r	17.4 r	365.0 r	3.8 r	129.1 r	25.1 r	103.2	2,479.9 r	2,687.8 r	163.4 r	264.2	1,051.3	2,719.2
1982	67.9	87.7 r	668.4	56.9	183.4	51.7	563.8	496.5	47.7 r	20.5 r	409.5 r	3.9	142.7 r	27.2 r	103.5	2,708.2 r	2,931.4 r	178.8 r	307.7	1,111.1	3,217.8
1983	75.2	91.6 r	734.9	63.0	176.7	54.9	591.7	517.1	47.8 r	21.9 r	467.9 r	4.2	152.7 r	26.7 r	104.4	2,896.2 r	3,130.6 r	198.3 r	366.8	1,333.2	3,812.9
1984	81.1	98.4 r	782.3	69.4	201.6	64.5	634.8	550.0	52.1 r	23.9 r	523.3 r	4.7 r	160.8 r	27.9 r	122.5	3,129.2 r	3,397.3 r	242.0 r	432.4	1,606.4	4,769.7
1985	86.2	106.5 r	818.9	76.7	218.4	70.6	691.7	604.7	52.9 r	26.3 r	559.5 r	5.0	169.5	31.0 r	132.9	3,361.1 r	3,650.9 r	220.2 r	455.2	1,774.6	5,263.7
1986	95.1	115.0 r	904.7	84.0	235.2	71.3	745.5	571.3	48.6 r	27.2 r	614.5 r	5.7 r	182.4	34.4 r	135.4	3,568.5 r	3,870.1 r	178.6 r	366.7	2,033.1 r	4,298.8
1987	101.7	122.1 r	960.9	88.8	254.2	76.4	770.2	558.8	48.6 r	27.6 r	657.4 r	6.0 r	188.9	36.5 r	140.0	3,760.0 r	4,078.0 r	181.1 r	357.3	2,099.4 r	3,895.0
1988	107.4	129.2 r	1,010.4	92.1	291.8	87.9	815.1	707.0	54.7 r	29.7 r	709.0 r	6.6 r	196.0	40.9 r	153.9	4,082.5 r	4,431.8 r	224.0 r	412.7	2,469.1 r	4,104.9
1989	114.8	140.0 r	1,074.5	95.3	345.4	103.1	877.0	763.8	60.9 r	33.2 r	789.1 r	7.5	207.7	47.2 r	173.6	4,441.6 r	4,833.1 r	265.7 r	494.6	2,632.6 r	4,723.9
1990	124.7	152.6 r	1,182.2	101.7	387.5	106.2	941.5	769.6	65.3 r	35.9 r	861.2 r	8.1 r	223.4	53.1 r	180.8	4,782.1 r	5,193.8 r	232.3 r	446.2	2,341.5 r	4,310.9
1991	133.5	160.6 r	1,391.5	104.7	427.6	98.1	971.7	818.2	72.1 r	37.5 r	931.1 r	8.8 r	234.8	61.8 r	193.5	5,220.4 r	5,645.4 r	242.9 r	471.3 r	2,756.7 r	4,564.7
1992	144.0	171.7 r	1,522.3	109.6 r	445.8	82.1	1,022.1 r	807.1	75.6 r	40.4 r	941.7 r	9.6 r	248.9	71.1 r	191.4	5,465.9 r	5,883.4 r	228.5 r	435.5 r	2,872.9 r	4,573.8
1993	155.9	180.8 r	1,630.9 r	115.2 r	408.4	72.0	1,066.8 r	805.6	78.6 r	41.5 r	842.0 r	10.8 r	267.3 r	70.1 r	158.5 r	5,518.0 r	5,904.7 r	248.8 r	467.3 r	3,653.1 r	5,345.8
1994	167.1	193.6 r	1,725.3	123.1 r	406.6	82.4 r	1,122.6 r	858.6	82.5 r	45.4 r	855.6 r	11.8 r	284.0 r	71.1 r	166.4	5,780.2 r	6,196.2 r	280.5 r	457.2 r	3,948.8 r	5,590.3
1995	178.5 r	205.9 r	1,845.2 r	132.5 r	427.5 r	95.6 r	1,176.2 r	842.9 r	87.4 r	49.2 r	831.4 r	13.0 r	302.5 r	76.7 r	175.1 r		6,439.6 r	273.6 r	430.0 r	3,905.8 r	5,317.3 r
1996	179.9	208.2	1,863.7	137.0	459.9	97.3	1,214.9	900.7	96.6	55.8	955.7	13.4	309.0	81.6	198.9		6,772.6	317.0	457.0	3,611.3	5,728.4
1997 f	182.4	213.3	1,899.6	143.1	478.5	103.2	1,246.2	1,025.3	103.0	63.6	1,013.8	13.7	318.0	86.9	206.8		7,097.5	345.6	484.6	3,608.7	6,063.9
1998 f	190.0	223.0	1,983.7	151.0	508.9	108.4	1,298.4	1,074.9	107.9	68.6	1,057.7	14.6	334.0	92.4	215.8		7,429.4	363.2	506.5	3,777.6	6,317.6

r Revised  
f Forecast

Source: Commission Services

## GROSS DOMESTIC PRODUCT AT 1991 PRICES AND 1991 EXCHANGE RATES

(Billion ECU)

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 12	EU 15	AU	CA	JP	US
1970	73.4	95.4 r	752.5	67.7	219.8	55.4	551.8	530.0	37.6 r	16.2 r	518.7 r	4.7	138.2 r	28.5 r	132.1	2,961.1 r	3,232.5 r	130.9 r	231.1 r	1,157.8 r	2,693.2
1971	77.2	98.9 r	775.5	69.5	230.0	56.5	578.2	540.5	40.3 r	16.8 r	528.5 r	4.8 r	144.4 r	30.4 r	133.4	3,057.8 r	3,336.9 r	137.2 r	244.4 r	1,212.2 r	2,769.0
1972	81.9	104.1 r	808.5	73.2	248.7	60.9	603.8	559.6	43.9 r	17.9 r	543.9 r	5.1 r	148.8 r	32.8 r	136.4	3,190.3 r	3,480.6 r	142.5 r	258.3 r	1,314.2 r	2,899.7
1973	85.9	110.3 r	847.0	75.9	268.1	64.9	636.7	597.3	47.1 r	18.7 r	579.5 r	5.5 r	156.4 r	36.5 r	141.8	3,379.0 r	3,680.1 r	149.1 r	278.2 r	1,419.8 r	3,047.1
1974	89.3	114.8 r	848.7	75.2	283.2	66.9	656.5	589.1	45.4 r	19.5 r	606.7 r	5.8	162.7 r	36.9 r	146.4	3,444.5 r	3,751.8 r	151.9 r	290.3 r	1,402.4 r	3,025.7
1975	89.0	113.1 r	838.0	74.7	284.7	67.7	654.7	588.5	48.1 r	20.6 r	593.7 r	5.4 r	162.9 r	35.3 r	150.1	3,419.7 r	3,732.3 r	156.4 r	297.9 r	1,445.8 r	2,995.9
1976	93.1	119.4 r	882.6	79.5	294.1	67.4	682.4	601.7	51.2 r	20.9 r	632.3 r	5.5 r	170.7 r	37.8 r	151.7	3,578.1 r	3,897.1 r	160.9 r	316.2 r	1,503.2 r	3,140.2
1977	97.3	119.9 r	907.8	80.8	302.5	67.6	704.4	614.7	53.0 r	22.6 r	650.5 r	5.6 r	174.7 r	39.9 r	149.3	3,676.4 r	3,996.4 r	162.6 r	327.5 r	1,569.2 r	3,282.3
1978	97.4	123.2 r	935.0	82.0	306.9	69.0	728.0	636.7	56.5 r	24.2 r	674.8 r	5.8 r	178.8 r	41.0 r	151.9	3,792.9 r	4,116.0 r	171.6 r	342.5 r	1,652.0 r	3,441.1
1979	102.0	125.8 r	974.5	84.9	307.0	73.8	751.6	654.2	58.6 r	25.0 r	713.1 r	6.0 r	182.8 r	43.3 r	157.7	3,926.8 r	4,263.3 r	175.2 r	355.8 r	1,742.6 r	3,526.8
1980	105.0	131.3 r	984.0	84.5	311.0	77.7	763.8	643.5	59.6 r	25.7 r	738.2 r	6.0 r	185.0 r	45.3 r	160.4	3,977.9 r	4,321.4 r	181.4 r	361.1 r	1,791.6 r	3,512.8
1981	104.7	129.1 r	985.0	83.8	310.5	79.2	772.8	635.1	59.6 r	26.6 r	741.7 r	6.0 r	184.1 r	46.0 r	160.4	3,980.3 r	4,323.8 r	185.5 r	374.4 r	1,848.5 r	3,590.1
1982	105.8	131.3 r	975.7	86.3	315.3	81.7	792.5	644.9	59.9 r	27.2 r	745.1 r	6.1	181.9 r	47.0 r	162.0	4,013.2 r	4,363.6 r	182.3 r	362.4 r	1,905.0 r	3,512.6
1983	107.9	131.5 r	992.9	88.5	322.3	83.9	798.0	667.8	60.1 r	27.1 r	754.2 r	6.2 r	185.0 r	46.9 r	164.8	4,080.5 r	4,439.8 r	193.4 r	374.0 r	1,949.2 r	3,639.2
1984	109.4	134.3 r	1,020.8	92.3	327.1	86.5	808.5	684.5	61.8 r	28.3 r	773.6 r	6.6 r	191.1 r	46.0 r	171.5	4,174.9 r	4,545.7 r	203.2 r	397.8 r	2,025.6 r	3,881.7
1985	112.1	135.3 r	1,041.6	96.3	335.6	89.4	823.7	708.7	63.7 r	29.2 r	795.3 r	6.8 r	197.0 r	47.3 r	174.8	4,280.5 r	4,660.4 r	210.8 r	416.6 r	2,114.8 r	4,003.9
1986	113.4	137.6 r	1,066.0	99.8	346.3	91.5	844.4	739.8	64.7 r	29.3 r	817.9 r	7.1 r	202.4 r	49.3 r	178.8	4,404.6 r	4,792.5 r	215.9 r	430.2 r	2,176.0 r	4,115.2
1987	115.3	140.5 r	1,081.7	100.1	365.9	95.2	863.4	775.1	64.4 r	30.6 r	843.2 r	7.4 r	205.3 r	52.4 r	184.4	4,530.0 r	4,925.1 r	227.0 r	448.0 r	2,266.5 r	4,242.1
1988	119.9	147.4 r	1,122.0	101.3	384.8	99.9	902.3	813.7	67.3 r	31.9 r	875.9 r	7.8 r	210.6 r	55.0 r	188.6	4,720.0 r	5,127.2 r	237.0 r	470.3 r	2,406.9 r	4,409.2
1989	124.5	152.5 r	1,162.7	101.8	403.0	105.6	940.6	831.4	69.9 r	33.9 r	901.1 r	8.3 r	220.5 r	57.7 r	193.1	4,883.4 r	5,305.6 r	244.2 r	481.4 r	2,523.2 r	4,529.4
1990	129.8	158.1 r	1,229.0	103.3	418.1	105.6	964.2	834.7	69.9 r	36.5 r	920.6 r	8.6 r	229.6 r	60.4 r	195.7	5,033.0 r	5,463.2 r	242.3 r	480.0 r	2,651.5 r	4,585.5
1991	133.5	160.6 r	1,391.5	104.7	427.6	98.1	971.7	818.2	72.1 r	37.5 r	931.1 r	8.8 r	234.8 r	61.8 r	193.5	5,220.4 r	5,645.4 r	242.9 r	471.3 r	2,756.7 r	4,564.7
1992	136.2	163.3 r	1,422.1	104.9 r	430.4	94.6	983.0 r	813.8	72.4 r	39.2 r	936.3 r	9.0 r	239.5 r	62.9 r	190.8	5,276.8 r	5,698.6 r	250.9 r	475.1 r	2,785.8 r	4,677.9
1993	136.7	161.1 r	1,406.1 r	106.5 r	425.4	93.5	970.0 r	832.1	71.6 r	40.7 r	925.5 r	9.0 r	241.4 r	63.1 r	186.5 r	5,252.5 r	5,668.3 r	263.3 r	485.9 r	2,789.3 r	4,837.1
1994	140.9	164.9 r	1,446.4 r	111.1 r	434.4	97.7 r	997.4 r	864.0	72.7 r	43.6 r	945.2 r	9.3 r	249.5 r	63.6 r	191.3 r	5,402.1 r	5,831.2 r	274.5 r	508.2 r	2,802.7 r	5,034.5
1995	143.5 r	168.0 r	1,474.3 r	114.2 r	446.4 r	101.8 r	1,018.9 r	884.9 r	74.2 r	48.3 r	973.3 r	9.6 r	254.9 r	65.0 r	197.1 r		5,970.8 r	283.2 r	520.0 r	2,825.2 r	5,136.3 r
1996	144.9	170.4	1,495.1	116.7	455.9	104.1	1,030.6	905.0	75.9	52.1	980.6	9.8	261.3	66.7	200.3		6,065.8	294.9	528.1	2,931.2	5,258.4
1997 f	147.2	174.2	1,527.3	120.3	468.0	108.0	1,052.7	932.5	77.9	55.1	994.0	10.1	268.7	68.5	204.6		6,205.0	304.6	542.0	2,983.9	5,380.0
1998 f	150.8	178.9	1,569.3	124.0	483.1	111.3	1,080.9	960.1	80.1	58.0	1,019.9	10.5	276.8	70.7	209.8		6,379.8	313.7	556.2	3,066.6	5,511.4

r Revised  
f Forecast

Source: Commission Services

## GDP DEFLATOR FOR NATIONAL CURRENCIES

Index = 1991 = 100

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU 12	EU 15	AU	CA	JP	US
1970	35.5	31.6 r	43.8	22.1	9.3	16.5	20.6	13.9	4.3	13.7	8.4 r	30.9 r	38.5 r	4.0 r	17.6	19.7	19.8	16.9	27.0	38.0 r	30.3
1971	37.7	33.4 r	47.1	23.8	10.0	17.8	21.9	15.2	4.4	15.1 r	9.0 r	30.6 r	41.6 r	4.2 r	18.9	21.1	21.2 r	18.0	27.8 r	40.0 r	32.0
1972	40.6	35.4 r	49.6	26.0	10.9	19.3	23.5	16.4	4.6 r	17.2	9.6 r	32.4 r	45.4 r	4.5 r	20.2	22.6	22.7 r	19.8	29.4 r	42.2 r	33.6
1973	43.8	38.0 r	52.8	28.8	12.2	22.0	25.4	17.7	5.5 r	19.8	10.9 r	36.3 r	49.6 r	5.0 r	21.6	24.6	24.7 r	22.6	32.0 r	47.6 r	35.8
1974	48.0	42.8 r	56.5	32.6	14.1	26.9	28.5	20.3	6.7	21.0	13.1 r	42.5 r	54.1 r	5.9 r	23.7	27.7	27.8	26.8 r	36.6 r	57.5 r	39.0
1975	51.1	47.9 r	59.7	36.6	16.5	30.5	32.2	25.6	7.5 r	25.2 r	15.2 r	42.1 r	59.6 r	6.8 r	27.1	31.4	31.5 r	30.8 r	40.2 r	61.6 r	42.8
1976	54.0	51.6 r	61.9	40.0	19.2	34.6	35.7	29.6	8.7	30.5 r	18.0 r	47.3 r	64.8 r	8.0 r	30.3	34.8	35.0	34.2 r	43.7 r	66.6 r	45.5
1977	56.7	55.4 r	64.2	43.7	23.7	38.0	39.0	33.8	9.8 r	34.6	21.3 r	47.8 r	69.1 r	10.1 r	33.5	38.5	38.6 r	36.9	46.5 r	71.0 r	48.6
1978	59.9	57.9 r	66.9	48.0	28.6	41.2	43.0	37.7	11.1	38.3	24.3 r	50.3 r	72.7 r	12.3 r	36.7	42.2	42.2 r	39.7 r	49.3 r	74.3 r	52.3
1979	62.4	60.5 r	69.5	51.7	33.5	44.9	47.3	43.1	13.1 r	43.6	28.2 r	53.5 r	75.7 r	14.7 r	39.6	46.3	46.3	44.2	54.3 r	76.4 r	56.9
1980	65.7	62.7 r	72.9	55.9	38.0	49.2	52.7	51.3	15.4 r	50.0 r	34.0 r	57.7 r	79.9 r	17.8 r	44.3	51.6	51.6	48.7	60.0 r	80.5 r	62.2
1981	69.9	66.2 r	76.0	61.6	42.7	54.7	58.7	57.1	18.5 r	58.8	40.5 r	61.9 r	84.2 r	20.9 r	48.5	57.0	56.9	53.8 r	66.5 r	83.8 r	68.2
1982	74.3	70.8 r	79.4	66.1	48.7	59.6	65.6	61.5	23.1 r	67.7 r	47.5 r	68.6 r	88.7 r	25.2 r	52.5	62.7	62.4 r	59.5 r	72.3 r	85.3 r	72.4
1983	77.2	75.0 r	81.9	73.3	54.4	64.7	72.0	64.8	27.5 r	75.1	54.6 r	73.2 r	90.6 r	31.5 r	57.8	67.7	67.4	63.6 r	75.8 r	86.8 r	75.3
1984	80.9	78.9 r	83.6	77.4	60.7	70.4	77.4	67.7	33.1 r	79.8 r	60.9 r	76.5 r	91.9 r	39.2 r	62.2	72.0	71.7 r	67.2 r	78.1 r	89.1 r	78.2
1985	83.4	83.7 r	85.4	80.8	65.4	74.2	81.8	71.7	39.0 r	84.1	66.4 r	78.7 r	93.5	47.7 r	66.3	76.0	75.8	71.7	80.2 r	91.0 r	81.0
1986	86.9	86.7 r	88.1	84.4	72.6	77.6	86.1	74.0	45.8 r	88.9 r	71.6 r	83.3 r	93.6	57.5 r	70.8	80.0	79.7 r	76.9	82.1 r	92.6 r	83.0
1987	89.1	88.6 r	89.7	88.4	76.9	81.2	88.6	77.6	52.3 r	90.8 r	76.0 r	83.7 r	92.9	63.3 r	74.2	83.0	82.8	82.6 r	86.0 r	92.7 r	85.5
1988	90.5	90.2 r	91.1	91.4	81.2	86.9	91.2	82.4	60.5 r	93.9 r	81.2 r	87.7 r	94.0	70.8 r	79.0	86.4	86.2	89.9	90.0 r	93.3 r	88.8
1989	93.1	94.3 r	93.3	95.3	87.0	92.2	93.9	88.2	69.2 r	99.0 r	86.3	93.4 r	95.2	79.4 r	85.4	90.4	90.3	95.2	94.4 r	95.2 r	92.7
1990	96.2	97.0 r	96.3	97.8	93.4	97.6	96.8	93.9	83.5 r	98.3	92.9	95.7 r	97.4	89.2 r	92.9	95.0	95.0	98.2	97.3 r	97.4 r	96.6
1991	100.0	100.0 r	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1992	104.1	103.6 r	105.5	103.2 r	106.8	100.7	102.1	104.4	114.6 r	102.1 r	104.7 r	105.0 r	102.3	110.6 r	101.0	104.2 r	104.4 r	101.3 r	101.3 r	101.7 r	102.4
1993	107.7	107.6 r	109.5 r	103.9 r	111.4	103.1	104.6 r	107.7	130.8 r	106.4 r	109.2 r	115.5 r	104.2 r	117.2 r	103.7	107.8 r	108.1	102.4 r	102.3 r	102.4 r	104.4
1994	111.3	110.3 r	111.9 r	105.6 r	115.8	104.4 r	106.2	110.0	145.1 r	107.6 r	113.1 r	119.6 r	106.3 r	123.3 r	106.6 r	110.6 r	110.9	104.4 r	103.0 r	102.7 r	106.6
1995	113.7 r	111.9 r	114.4 r	107.5 r	121.5 r	107.2 r	108.0 r	112.6 r	158.5 r	108.2 r	118.7 r	123.8 r	107.8 r	129.4 r	110.9 r		113.9 r	107.2 r	104.5 r	102.1	109.3 r
1996	115.6	113.7	116.1	109.2	126.2	109.0	109.8	115.5	172.6	110.7	124.5	126.9	109.5	134.2	113.0		116.7	109.6	105.5	102.1	111.6
1997 f	117.3	115.9	117.7	111.6	130.0	110.8	111.3	118.4	185.1	113.3	127.7	128.8	111.5	139.0	115.7		119.1	112.4	107.2	102.9	114.0
1998 f	119.2	118.1	119.6	114.4	134.0	113.0	112.9	121.6	196.7	116.1	130.8	131.7	113.7	143.2	118.6		121.6	115.5	109.0	103.9	116.3

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