



EUROPEAN COMMISSION

DIRECTORATE-GENERAL III

INDUSTRY

Industrial affairs II : Capital goods industries

Transport equipment (Aerospace Unit)

1996

The European Aerospace Industry

Trading Position and Figures



1996

The European Aerospace Industry

Trading Position and Figures

(Commission Staff Working Paper)

Published by



EUROPEAN COMMISSION

DIRECTORATE-GENERAL III

INDUSTRY

Industrial affairs II: Capital goods industries

Transport equipment (Aerospace Unit)

Rue de la Loi 200, B-1049 Bruxelles/Wetstraat 200, B-1049 Brussel,

Belgium

Telephone: +32 (0)2 295 11 11 - Fax: 295 01 26

Telex COMEU B 21877 - Telegraphic address COMEUR Brussels

Editors:

Francisco Acosta (resp.)

Michael Møllgaard

Tel. +32 2 296 85 81

Fax. +32 2 295 68 51

E-mail: Michael.MOELLGAARD@dg3.cec.be

Neither the European Commission nor any person acting on behalf of the Commission is responsible for the use which might be made of the following information.

© EC - ECSC - EAEC

Except for information which is identified herein as having been provided by third parties, reproduction for non-commercial purpose is authorized provided the source is acknowledged.

Published exclusively in English

Printed in Brussels, Belgium

by Commission services in May 1996.

Document reference: III/5021/96-EN

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 1996 edition of the document "*The European Aerospace Industry - Trading Position and Figures*" based on the most relevant statistics available to us.

With this edition we re-introduce tables that were omitted in the 1995 issue: 'Public Financing of Aerospace R&D' (chapter 12), 'Turnover and Employment of Major Aerospace Manufacturers' (chapter 14) and 'Joint European Programmes' (chapter 15).

In 1995 the EU was enlarged to include three new member states: Austria, Finland and Sweden. Most of the time series presented in this document concern the period before this enlargement. We decided, however, that it is relevant to include all 15 member states in the statistical groupings thereby allowing for future year on year comparisons of time series extending into 1995 and beyond. Therefore, in most of the following tables (where it has been possible to obtain the information) "EU" refers to all 15 member states.

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 series. 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 in Current Prices in National Currency, B = GDP Deflator value for that currency for that year, C = GDP Deflator value for that currency for 1991, D = ECU Exchange rate for that currency for 1991.

Current Prices Amounts reported in prices of the current year, i.e. with no adjustment for inflation and exchange rate variations. For comparisons over time series 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 a 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.

Contents

1	CIVIL AIR TRAFFIC.....	7	3	LIGHT- AND BUSINESS AIRCRAFT.....	47
	World Scheduled Air Traffic.....	10		Business Aircraft Fleet in Units; World Breakdown and EU Shares.....	54
	World Scheduled Passenger Traffic.....	11		World Deliveries of Light- and Business Aircraft.....	71
	AEA Scheduled Passenger Traffic.....	13		EU Light Aircraft Fleet by Propulsion Type.....	72
	AEA Scheduled Cargo Traffic.....	14	4	CIVIL AND PARA-PUBLIC HELICOPTERS	75
2	CIVIL TRANSPORT AIRCRAFT.....	15		Fleet in Units at Year-end (EU, Europe, USA, Canada).....	81
	Jet Orders (units).....	18		Fleet in Units by Category (EU, Europe, USA, Canada).....	84
	Jet Deliveries (units).....	20		World Deliveries at Year-end.....	98
	Jet Backlog (units).....	22	5	CIVIL TURBINE ENGINES.....	101
	Breakdown of Orders by Categories	24		Engine Inventory; Manufacturers' Shares (categories, units, thrust).....	104
	Breakdown of Deliveries by Categories.....	25	6	MILITARY FIXED-WING AIRCRAFT.....	109
	Breakdown of Backlog by Categories.....	26		1994 Summary of World Fleet	112
	Fleet Average Age.....	29		World Fleet in Units (category, geographical area).....	115
	Aircraft in Service at Year-end (units, seats, value).....	31	7	MILITARY HELICOPTERS	127
	Annual Deliveries (units, seats, value).....	32		World Fleet in Units (geo. area, design origin).....	129
	Orders in Backlog at Year-end (units, seats, value).....	34		World Fleet in Units by Category (geo. area, design origin).....	132
	Aircraft in Service by Category (units, seats, value).....	36		World Orders in Units (geo. area, design origin).....	140
	Annual Deliveries by Category (units, seats, value).....	39			
	Backlog at Year-end by Category (units, seats, value).....	42			
	Non-Western Fleet in Operation.....	45			

8	MILITARY TURBINE ENGINES.....	143	12	PUBLIC FINANCING OF R&D	217
	World Inventory in Units (thrust, geo. area, EU-share).....	148		National Final Budgets	219
9	CIVIL AIRCRAFT PRODUCTS FOREIGN TRADE.....	161	13	EMPLOYMENT.....	221
	EU / USA - Import, Export, Trade Balance	166		Total Employment in EU, USA, Canada, Japan.....	224
	EU Trade with USA.....	167		EU Workforce by Sector, Category and Activity	228
	EU Trade with Japan	168	14	MAJOR AEROSPACE COMPANIES	231
10	TURNOVER AND PUBLIC SUPPORT.....	169		Company Index.....	232
	EU Overall Non-Consolidated Turnover	174		Turnover of Major Companies	234
	Turnover Consolidated at National Level	176		Workforce of Major Companies.....	235
	Turnover Consolidated at Community Level	178		Mergers and Acquisitions.....	236
	EU, USA, Japan - Turnover by Sector and Destination	182	15	JOINT EUROPEAN PROGRAMMES.....	239
	EU Total Turnover by Sector, Destination, Category of Customer.....	184		Civil Aircraft, Military Aircraft, Engines, Space & Missiles Programmes	241
	Intra-European Co-operation Level.....	198		APPENDICES	245
	Public Support EU / USA Industry	201		Average ECU Exchange Rates.....	247
11	FINANCE	205		GDP at Current Market Prices	248
	EU.....	208		GDP at 1991 Prices.....	249
	USA.....	209		GDP Deflators.....	250
	France.....	210	ORDER FORMS.....	251	
	Germany.....	211			
	Italy	212			
	Netherlands.....	213			
	Spain.....	214			
	Sweden	215			
	United Kingdom.....	216			

Chapter 1

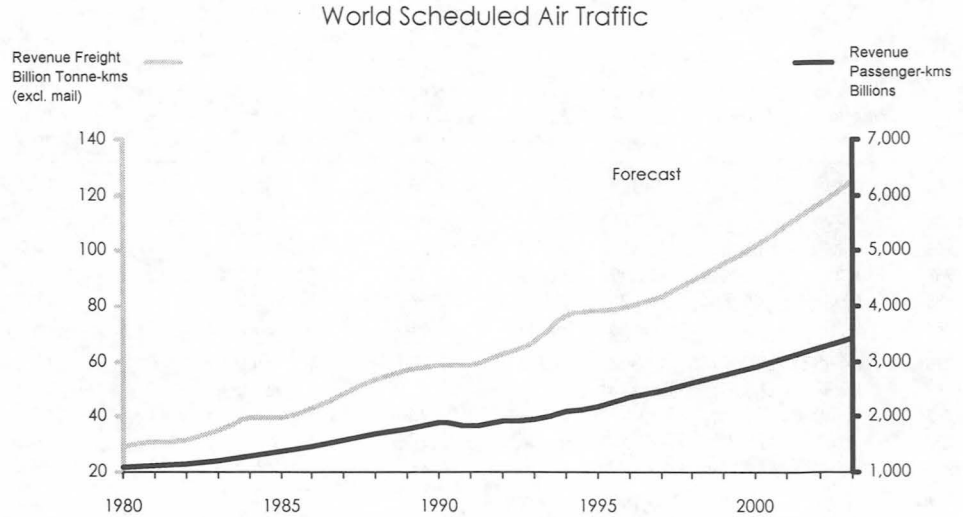
Civil Air Traffic

The data referring to the **world civil air traffic** correspond to scheduled operations of airlines of the 183 ICAO contracting States. The most recent figures were published in the ICAO Journal July/August 1995 issue, reviewing new facts in civil aviation during the year 1994, based on the ICAO Council's Annual Report 1994 (ICAO Document 9637) and the "Le monde de l'aviation civile", 1994-97 (ICAO Circulaire 258).

The majority of the data for 1994 are rounded estimates, which are subject to changes when the final figures become available.

World scheduled traffic measured in terms of passenger-kilometres performed is forecast by ICAO to increase at a "most likely" average annual rate of 5 per cent for the period 1992-2003. World scheduled freight traffic measured in terms of tonne-kilometres performed is forecast to increase at a "most likely" average annual rate of 6.5 per cent for the same period. These figures are reflected on the graph below.

CHART 1.1



Source: ICAO

TABLE 1.1

WORLD¹ 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 %	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 r	2.5 % r	1,774 r	4.0 % r	2,610	2.6 %	68.0 % r	1	18.1	5.2 %	62,190 r	7.0 % r	91.9 %	7.2 % r	8.1 %	4.8 %
1990	1.165 r	5.0 % r	1,894	6.8 % r	2,784	6.7 %	68.0 %	0	18.2	0.6 %	64,150	3.2 % r	91.7 %	3.0 % r	8.3 %	5.3 %
1991	1.135 r	-2.6 % r	1,844	-2.6 % r	2,795	0.4 %	66.0 %	-2	17.4	-4.4 %	63,670 r	-0.7 %	92.0 %	-0.4 % r	8.0 %	-4.3 % r
1992	1.148 r	1.1 % r	1,927 r	4.5 % r	2,960	5.9 %	65.1 % r	-1 r	17.3	-0.5 %	67,730 r	6.4 % r	92.4 % r	6.9 % r	7.6 % r	0.4 % r
1993	1.141 r	-0.6 % r	1,954 r	1.4 % r	2,986	0.9 %	65.4 % r	0	17.5	1.3 %	72,710 r	7.4 % r	92.8 %	7.8 % r	7.2 %	2.1 % r
1994	1.203	5.4 %	2,086	6.8 %	3,161	5.8 %	66.0 %	1	20.0	14.0 %	82,000	12.8 %	93.3 %	13.4 %	6.7 %	4.6 %
1995 e	1.304	8.4 %	2,194	5.2 %					19.1	-4.6 %	76,700 (2)					
1996 e	1.370	5.1 %	2,347	7.0 %					19.9	4.3 %	81,700 (2)					

1) CIS included

2) Only freight included in estimate / forecast

e Estimated

r Revised

Source: ICAO

TABLE 1.2

WORLD SCHEDULED PASSENGER TRAFFIC

Breakdown of Revenue Passenger-kms in % of World Total

	AEA ¹		CIS ²		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 %		1,039	
1981	16.9 %	4.0 %	15.3 %	6.9 %	35.4 %	-3.2 %	32.3 % r	6.7 %	1,117	2.6 %
1982	16.7 %	0.8 %	15.1 %	0.5 %	35.8 %	3.4 %	32.4 % r	2.5 %	1,142	2.2 %
1983	16.1 %	0.3 %	14.8 %	2.4 %	37.3 %	8.5 %	31.8 % r	2.3 %	1,190	4.2 %
1984	15.9 %	6.2 %	14.3 %	4.0 %	37.5 %	7.9 %	32.3 % r	9.0 %	1,278	7.4 %
1985	15.8 %	6.4 %	13.7 %	2.3 %	38.9 %	10.9 %	31.6 % r	4.8 %	1,367	7.0 %
1986	15.0 %	1.1 %	13.4 %	3.6 %	40.2 %	9.7 %	31.4 % r	5.6 %	1,452	6.2 %
1987	15.5 %	12.8 %	12.6 %	3.0 %	40.4 %	10.0 %	31.5 % r	9.8 %	1,589	9.4 %
1988	15.4 %	6.8 %	12.5 %	6.5 %	39.8 %	5.7 %	32.3 % r	9.9 %	1,705	7.3 %
1989	15.9 %	7.6 %	12.8 % r	6.4 %	39.1 % r	2.2 %	32.2 % r	3.7 % r	1,774 r	4.0 % r
1990	16.2 %	8.2 %	12.7 %	6.2 %	38.8 %	5.9 %	32.3 % r	7.3 % r	1,894	6.8 % r
1991	15.6 %	-6.2 %	12.2 %	-6.7 %	39.1 %	-2.0 %	33.2 % r	-0.1 %	1,844	-2.6 %
1992	17.0 % r	13.9 %	7.3 % r	-37.6 %	39.7 % r	6.2 %	36.0 % r	13.6 % r	1,927 r	4.5 % r
1993	18.0 % r	7.6 % r	5.1 % r	-28.5 % r	39.6 % r	1.1 % r	37.3 % r	4.9 % r	1,954 r	1.4 % r
1994	18.3 %	8.6 %	4.0 % e	-16.5 % e	39.3 % e	5.9 % e	38.4 % e	10.0 % e	2,086	6.8 %

1) AEA - Association of European Airlines

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

e Estimated

r Revised

Sources: AEA; ICAO

The data referring to the **scheduled operations of AEA** (Association of European Airlines) members, according to the AEA Yearbook 1995 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 Turkey and ex-USSR up 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, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Yemen and the Democratic 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, Czechoslovak Airlines, Cyprus Airways, Finnair, Iberia, Icelandair, Yugoslav Airlines (JAT), KLM, Lufthansa, Luxair, Malev Hungarian Airlines, Olympic Airways, Sabena, SAS, Swissair, TAP-Air Portugal, Turkish Airlines (THY).

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 r	8.3 % r	223.7	8.0 %	51.6	3.2 %	160.6 r	6.7 % r	319.1	7.5 %	65.9 %	58.7 % r	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 %

r Revised

Source: AEA

TABLE 1.4

AEA SCHEDULED CARGO TRAFFIC¹

	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 % r	18,689 r	10.5 % r	1,437 r	-6.6 % r	4,977 r	7.8 % r	25,595 r	-5.0 % r	37.3 % r	38.2 % r	73.0 % r
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 %

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

r Revised

Source: AEA

Chapter 2

Civil Transport Aircraft

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

The tables relating to the **civil transport aircraft fleet, deliveries, orders and fleet age** (2.7 through 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. As of this edition CIS produced aircraft are included; this has caused a substantially increased fleet. The method of reporting has been revised in order to achieve greater accuracy, and most notably has this resulted in reduced overall values of the fleets.

The aircraft included are those listed in table 2.7. Aircraft with less than 18 seats are excluded and so are piston propelled aircraft. Only aircraft in commercial operation are included.

3 series of tables are presented:

- Aircraft in service;
- Annual deliveries;
- Order backlog. These tables exclude CIS produced aircraft¹.

Each series is broken down into

Aircraft category / operational possibility

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

For each aircraft category, the following tables are given:

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

¹ 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 assuming a seat capacity of equivalent passenger versions;
- *by present value.* For each year the values are separately estimated using a linear depreciation on 20 years². The value per seat³ in US\$ in 1994 is:

for short-haul aircraft	\$ 250,000
for medium-haul aircraft	\$ 310,000
for long-haul aircraft	\$ 370,000

For cargo aircraft (including combis) 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:* 15 current member states;
- *Rest of Europe:* Albania, Bulgaria, Belarus⁴, Switzerland, Cyprus, Czech Republic, Estonia, Gibraltar, Croatia, Hungary, Iceland, Lithuania, Latvia, Macedonia, Moldova, Malta, Norway, Poland, Romania, Russian Federation⁴, Slovenia, Slovakia, Turkey, Ukraine⁴, Serbia and Montenegro;
- *USA;*
- *Rest of the world.*

² 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.

³ The annual value per seat is based on the published price(s) of the aircraft most representative of the fleet in that year.

⁴ 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)

	Design Origin EU										Design Origin US																								
	A300	A310	A319	A320	A321	A330	A340	Total AIRBUS	BAC 111	BAe 146/RJ	CONCORDE	F 28	F 70	F 100	Total EU	B-707+720	B-727	B-737	B-747	B-757	B-767	B-777	Total BOEING ¹	DC-9	DC-10	MD-11	MD-80	MD-90	MD-95	Total McDD ¹	L 1011	Total US			
Until 1980	202	46						248	230		14	168			660	962	1,781	854	557	103	131		4,388	974	370					78			1,422	239	6,049
1981	35	4						39		4		14			57		38	121	23	3	7		192	2	8				19			29	5	226	
1982	3	11						14	1	2		3			20	5	11	71	14	2	2		105		48				87			135		240	
1983		10						10	1	26		24			61	15	1	68	24	26	16		150		2			43			45		195		
1984	11	14		16				41	2	9		11		8	71			130	22	2	10		164		6		117			123	5	292			
1985	24	25		58				107	6	12		19	26	170			283	42	49	21		395		3		106			109			504			
1986	7	16		83				106		26		2	35	169		6		211	81	13	23		334		5	11	120			136		470			
1987	29	28		53				110		23				133	11		180	67	40	57		355		2	20	88			110			465			
1988	21	22		92		3	2	140		37			8	185			322	49	149	82		602		2	47	239			288			890			
1989	54	23		110	20	77	49	333		29			99	461			310	60	209	104		683			21	140			161			844			
1990	22	29	3	118	88	25	6	291		26			33	350	11		152	137	97	57	49	503			49	50	51		150			653			
1991	40	13		15	3	5	21	97		27			10	134			71	38	51	67	27	254			10	28			38			292			
1992	18	13	6	59	13	1	20	130	1	21			14	166			113	25	37	22	42	239			8	30	26		64			303			
1993	6	3		13		1	15	38		11			22	29	100		110	2	40	66	29	247			6	10			16			263			
1994			42	31	22		30	125		25			18	11	179			70	16	12	22		120			5	9	9		23			143		
1995	2	4	30	39	12	9	10	106		38			31	16	191			176	39	13	26	92	346			9	14	37	50	110			456		
1981 - 1995	272	215	81	687	158	121	153	1,687	11	316		73	71	289	2,447	48	50	2,388	639	743	582	239	4,689	2	76	186	1,100	123	50	1,537	10		6,236		
Total	474	261	81	687	158	121	153	1,935	241	316	14	241	71	289	3,107	1,010	1,831	3,242	1,196	846	713	239	9,077	976	446	186	1,178	123	50	2,959	249		12,285		

1) Boeing; McDD: Cancellations of previous orders have not been communicated in 1995

The EU share of world orders (not including CIS) over the period 1974 - 1995 reached 49.6 % in 1994. The 1995 share is 27.6 % and the overall value for the period is 20.0 %. A detailed breakdown of orders by aircraft categories is presented in table 2.4.

	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)	
Until 1980	-	-	-	-	-	-	-	-	-	-	-	-	-	6,709
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	283
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	260
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	256
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	363
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	674
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	639
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	598
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	1,075
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	1,305
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	1,003
1991	-	-	-	-	-	-	-	-	-	-	20	20	-	446
1992	-	-	-	-	-	-	-	-	-	-	4	4	-	473
1993	-	-	-	-	-	-	-	-	-	-	28	28	-	391
1994	-	-	-	-	-	-	-	-	-	-	8	31	39	361
1995	-	-	-	-	-	-	-	-	-	-	5	39	44	691
1981 - 1995	-	-	-	-	-	-	-	-	-	-	13	122	135	8,818
Total	-	-	-	-	-	-	-	-	-	-	13	122	135	15,527

Sources: Manufacturers, General Press.

CHART 2.1

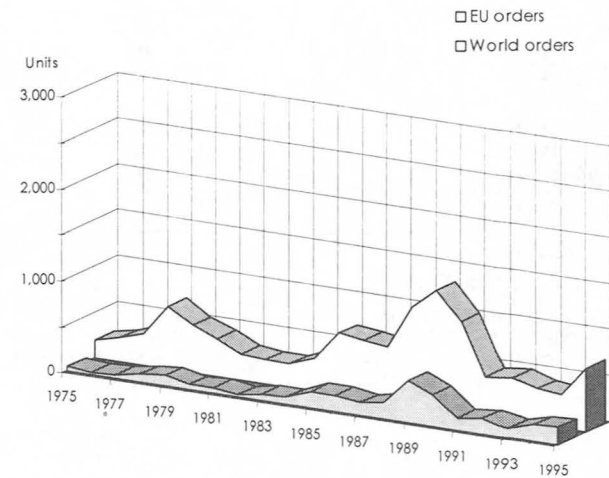


TABLE 2.2

WORLD CIVIL JET AIRCRAFT DELIVERIES IN UNITS

	Design Origin EU											Design Origin US																				
	A300	A310	A319	A320	A321	A330	A340	Total AIRBUS	BAC 111	BaE 146/RJ	CONCORDE	F 28	F 70	F 100	Total EU	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	Total US
Until 1980	121							121	227		14	161			523	939	1,692	715	487				3,833	950	339		5			1,294	195	5,322
1981	37							37	2			12			51	2	92	108	53				255	16	25		62			103	28	386
1982	46							46	2			10			58	8	28	95	25	2	20		178	10	11		33			54	14	246
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	2	287
1986	10	19						29	2	23		11			65	4		141	35	35	27		242		17		85			102		344
1987	11	21						32	3	23		2			60	9		161	23	40	37		270		10		94			104		374
1988	17	28		16				61		21				11	93			165	24	48	53		290		10		120			130		420
1989	24	23		58				105	1	36				25	167	5		146	45	51	37		284		1		117			118		402
1990	19	18		58				95		25				31	151	4		174	70	77	60		385			3	139			142		527
1991	25	19		119				163		26				56	245	14		215	64	80	62		435			31	139			170		605
1992	22	24		111				157	1	13				54	225	5		218	61	99	63		446			42	85			127		573
1993	22	22		71		1	22	138		17				53	208			152	56	71	51		330			36	42			78		408
1994	23	2		48	16	9	25	123		26			1	29	179	1		121	40	69	40		271			17	22			39		310
1995	17	2		34	22	30	19	124		22			26	15	187			89	25	43	36		193			18	18	14		50		243
1981 - 1995	327	250		515	38	40	66	1,236	14	270		80	27	274	1,901	71	139	2,049	584	694	595		4,132	26	107	147	1,122	14		1,416	54	5,602
Total	448	250		515	38	40	66	1,357	241	270	14	241	27	274	2,424	1,010	1,831	2,764	1,071	694	595		7,965	976	446	147	1,127	14		2,710	249	10,924

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

	Design Origin CIS ¹								Other			Grand Total			
	AN-72/74	AN-124	IL-62	IL-76 ²	IL-86	IL-96-300	TU-134	TU-154 B/M	TU-204	YAK-42 ³	Total CIS		Embraer EMB-145 (BR)	Canadair RJ (CA)	Total Other
Until 1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,845
1981	-	-	9	10	3	-	79	57	13	171	-	-	-	-	608
1982	-	-	10	10	8	-	91	43	6	168	-	-	-	-	472
1983	-	-	7	10	12	-	41	21	-	91	-	-	-	-	427
1984	-	-	7	10	8	-	30	18	8	81	-	-	-	-	362
1985	-	-	8	10	5	-	-	14	8	45	-	-	-	-	404
1986	-	-	7	10	10	-	21	9	9	57	-	-	-	-	466
1987	1	-	5	10	7	-	23	10	10	56	-	-	-	-	490
1988	7	-	6	10	4	-	31	12	12	70	-	-	-	-	583
1989	6	-	7	10	10	-	32	13	13	78	-	-	-	-	647
1990	16	2	7	10	9	-	35	11	11	90	-	-	-	-	768
1991	14	4	8	10	4	1	41	18	18	100	-	-	-	-	950
1992	10	4	8	10	7	2	41	10	10	92	3	3	3	3	893
1993	4	5	3	10	6	1	42	3	15	89	22	22	22	22	727
1994	2	5	3	3	2	3	8	2	8	36	26	26	26	26	551
1995	2	4	1	3	1	2	10	2	1	26	43	43	43	43	499
1981 - 1995	62	24	96	136	96	9	241	437	7	142	1,250	94	94	94	8,847
Total	-	-	-	-	-	-	-	-	-	-	-	94	94	94	13,442

Sources: Manufacturers, General Press. For CIS: Paul Duffy

CHART 2.2

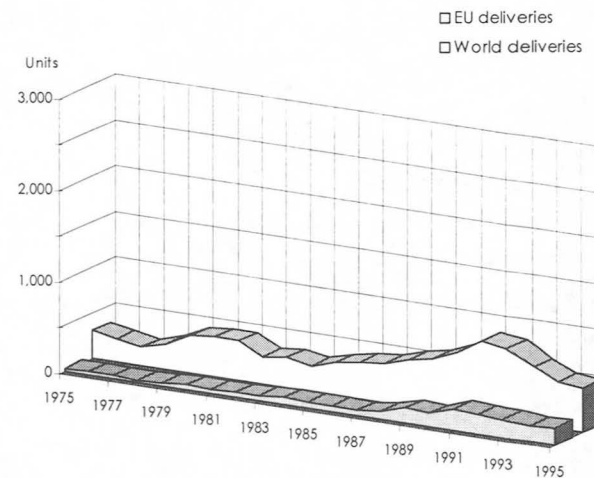


TABLE 2.3

WORLD CIVIL JET AIRCRAFT BACKLOG IN UNITS

	Design Origin EU											Design Origin US																					
	A300	A310	A319	A320	A321	A330	A340	Total AIRBUS	BAC 111	Bae 146/RJ	CONCORDE	F 28	F 70	F 100	Total EU	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	Total US	
1981	79	50						129	1	4					143	21	35	152	40	106	138		492	10	14						54	21	567
1982	36	61						97		6					105	18	18	128	29	106	120		419		51		84				135	7	561
1983	17	54						71		22			10		103	25	8	114	30	107	81		365		41		76				117	1	483
1984	9	39		16				64		21			4	8	97	17		177	36	91	62		383		37		149				186	2	571
1985	17	38		74				129	6	15		11		34	195	14		345	54	104	58		575		29		184				213		788
1986	14	35		157				206	4	18			2	69	299	16		415	100	82	54		667		17	11	219				247		914
1987	32	42		210				284	1	18				69	372	18		434	144	82	74		752		9	31	213				253		1,005
1988	36	36		286		3	2	363	1	34				66	464	18		591	169	183	103		1,064		1	78	332				411		1,475
1989	66	36		338	20	80	51	591		27				140	758	13		755	184	341	170		1,463			99	355				454		1,917
1990	69	47	3	398	108	105	57	787		28				142	957	20		733	251	361	167	49	1,581			145	266	51			462		2,043
1991	84	41	3	294	111	110	78	721		29				96	846	6		589	225	332	172	76	1,400			124	155	51			330		1,730
1992	80	30	9	242	124	111	98	694		37				56	787	1		484	189	270	131	118	1,193			90	100	77			267		1,460
1993	64	11	9	184	124	111	91	594		31				22	679	1		442	135	239	146	147	1,110			60	68	77			205		1,315
1994	41	9	51	167	130	102	96	596		30				39	679			391	111	182	128	147	959			48	55	86			189		1,148
1995	26	11	81	172	120	81	87	578		46				44	683			478	125	152	118	239	1,112			39	51	109	50		249		1,361

1) Negative backlog denotes aircraft produced to stock, i.e. "white tails"

	Design Origin CIS										Other			Grand Total	
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	710
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	666
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	586
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	668
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	983
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,213
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,377
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,939
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,675
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000
1991	-	-	-	-	-	-	-	-	-	-	-	20	20	-	2,596
1992	-	-	-	-	-	-	-	-	-	-	-	21	21	-	2,268
1993	-	-	-	-	-	-	-	-	-	-	-	27	27	-	2,021
1994	-	-	-	-	-	-	-	-	-	-	-	8	32	40	1,867
1995 ¹	-	-	-6	-	-1	-	-	-17	-23	-47	13	28	41	-	2,038

Sources: Manufacturers, General Press. For CIS: Paul Duffy

CHART 2.3

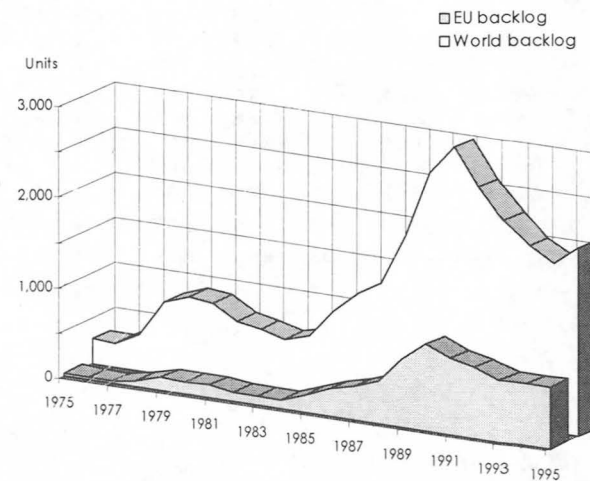


TABLE 2.4

CIVIL JET AIRCRAFT ORDERS IN UNITS¹

	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	64.7 %	5.6 %	70.4 %	12.3 %	17.4 %	29.6 %	77.0 %	23.0 %	9.2 %	65.4 %	13.7 %	1.7 %	0.0 %	0.7 %	8.0 %	16.1 %	9.8 %	
1981	71.0 %	16.3 %	87.3 %	0.0 %	12.7 %	12.7 %	71.0 %	29.0 %	9.0 %	84.8 %	23.1 %	0.0 %	0.0 %	0.0 %	9.0 %	47.6 %	20.1 %	
1982	68.1 %	6.2 %	74.2 %	1.9 %	23.8 %	25.8 %	70.0 %	30.0 %	3.4 %	87.5 %	10.4 %	0.0 %	0.0 %	0.0 %	3.3 %	17.9 %	7.7 %	
1983	73.8 %	10.2 %	84.0 %	5.9 %	10.2 %	16.0 %	79.7 %	20.3 %	27.0 %	38.5 %	28.4 %	0.0 %	0.0 %	0.0 %	25.0 %	19.2 %	23.8 %	
1984	81.3 %	9.6 %	90.9 %	0.0 %	9.1 %	9.1 %	81.3 %	18.7 %	15.6 %	71.4 %	21.5 %	0.0 %	0.0 %	0.0 %	15.6 %	36.8 %	19.6 %	
1985	82.9 %	10.4 %	93.3 %	0.0 %	6.7 %	6.7 %	82.9 %	17.1 %	21.6 %	70.0 %	27.0 %	0.0 %	0.0 %	0.0 %	21.6 %	42.6 %	25.2 %	
1986	76.7 %	7.2 %	83.9 %	0.9 %	15.2 %	16.1 %	77.6 %	22.4 %	29.8 %	50.0 %	31.5 %	0.0 %	0.0 %	0.0 %	29.4 %	16.1 %	26.4 %	
1987	64.2 %	19.1 %	83.3 %	1.8 %	14.9 %	16.7 %	66.1 %	33.9 %	19.8 %	50.0 %	26.7 %	0.0 %	0.0 %	0.0 %	19.2 %	28.1 %	22.2 %	
1988	78.8 %	11.6 %	90.4 %	0.0 %	9.6 %	9.6 %	78.8 %	21.2 %	16.2 %	34.4 %	18.5 %	0.0 %	4.9 %	4.9 %	16.2 %	21.1 %	17.2 %	
1989	70.3 %	13.9 %	84.1 %	0.0 %	15.9 %	15.9 %	70.3 %	29.7 %	28.1 %	42.5 %	30.5 %	0.0 %	60.9 %	60.9 %	28.1 %	52.3 %	35.3 %	
1990	61.6 %	15.7 %	77.3 %	1.1 %	21.6 %	22.7 %	62.7 %	37.3 %	43.4 %	32.5 %	41.2 %	0.0 %	14.3 %	13.6 %	42.6 %	21.9 %	34.9 %	
1991	50.4 %	33.0 %	83.4 %	0.0 %	16.6 %	16.6 %	50.4 %	49.6 %	24.4 %	36.1 %	29.0 %	0.0 %	35.1 %	35.1 %	24.4 %	35.7 %	30.0 %	
1992	68.5 %	20.1 %	88.6 %	0.0 %	11.4 %	11.4 %	68.5 %	31.5 %	35.2 %	32.6 %	34.6 %	0.0 %	38.9 %	38.9 %	35.2 %	34.9 %	35.1 %	
1993	67.3 %	26.6 %	93.9 %	0.0 %	6.1 %	6.1 %	67.3 %	32.7 %	28.5 %	8.7 %	22.9 %	0.0 %	66.7 %	66.7 %	28.5 %	19.5 %	25.6 %	
1994	79.8 %	6.1 %	85.9 %	0.0 %	14.1 %	14.1 %	79.8 %	20.2 %	51.7 %	0.0 %	48.1 %	0.0 %	58.8 %	58.8 %	51.7 %	41.1 %	49.6 %	
1995	63.2 %	25.2 %	88.4 %	0.0 %	11.6 %	11.6 %	63.2 %	36.8 %	38.0 %	3.4 %	28.2 %	0.0 %	23.8 %	23.8 %	38.0 %	9.8 %	27.6 %	
1981 - 95	70.5 %	15.4 %	85.9 %	0.5 %	13.6 %	14.1 %	71.0 %	29.0 %	27.1 %	35.9 %	28.7 %	0.0 %	22.9 %	22.0 %	26.9 %	29.8 %	27.8 %	
Average	68.0 %	11.2 %	79.2 %	5.6 %	15.2 %	20.8 %	73.6 %	26.4 %	19.7 %	42.3 %	22.9 %	1.6 %	11.6 %	8.9 %	18.4 %	24.6 %	20.0 %	

1) CIS produced aircraft not included

Sources: Manufacturers; General Press

TABLE 2.5

CIVIL JET AIRCRAFT DELIVERIES IN UNITS¹

	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	66.8 %	2.1 %	68.9 %	13.7 %	17.5 %	31.1 %	80.5 %	19.5 %	9.9 %	100.0 %	12.6 %	1.8 %	0.0 %	0.8 %	8.5 %	10.6 %	8.9 %	
1981	66.8 %	8.5 %	75.3 %	0.5 %	24.3 %	24.7 %	67.3 %	32.7 %	4.8 %	100.0 %	15.5 %	0.0 %	0.0 %	0.0 %	4.8 %	25.9 %	11.7 %	
1982	59.2 %	21.7 %	80.9 %	2.6 %	16.4 %	19.1 %	61.8 %	38.2 %	6.7 %	69.7 %	23.6 %	0.0 %	0.0 %	0.0 %	6.4 %	39.7 %	19.1 %	
1983	58.3 %	27.1 %	85.4 %	2.4 %	12.2 %	14.6 %	60.7 %	39.3 %	13.8 %	39.6 %	22.0 %	0.0 %	0.0 %	0.0 %	13.2 %	27.3 %	18.8 %	
1984	59.1 %	27.4 %	86.5 %	2.8 %	10.7 %	13.5 %	61.9 %	38.1 %	17.5 %	62.3 %	31.7 %	0.0 %	0.0 %	0.0 %	16.7 %	44.9 %	27.4 %	
1985	70.2 %	18.7 %	88.9 %	0.8 %	10.3 %	11.1 %	71.0 %	29.0 %	11.9 %	62.7 %	22.6 %	0.0 %	0.0 %	0.0 %	11.8 %	40.4 %	20.1 %	
1986	72.6 %	13.7 %	86.3 %	1.0 %	12.7 %	13.7 %	73.6 %	26.4 %	12.1 %	51.8 %	18.4 %	0.0 %	0.0 %	0.0 %	12.0 %	26.9 %	15.9 %	
1987	74.4 %	15.9 %	90.3 %	2.1 %	7.6 %	9.7 %	76.5 %	23.5 %	8.7 %	46.4 %	15.3 %	0.0 %	0.0 %	0.0 %	8.4 %	31.4 %	13.8 %	
1988	74.3 %	19.1 %	93.4 %	0.0 %	6.6 %	6.6 %	74.3 %	25.7 %	12.6 %	45.9 %	19.4 %	0.0 %	0.0 %	0.0 %	12.6 %	34.1 %	18.1 %	
1989	76.3 %	14.8 %	91.0 %	0.9 %	8.1 %	9.0 %	77.2 %	22.8 %	27.6 %	56.0 %	32.2 %	0.0 %	0.0 %	0.0 %	27.3 %	36.2 %	29.3 %	
1990	74.3 %	14.3 %	88.6 %	0.6 %	10.8 %	11.4 %	74.9 %	25.1 %	22.6 %	38.1 %	25.1 %	0.0 %	0.0 %	0.0 %	22.4 %	21.8 %	22.3 %	
1991	74.7 %	12.5 %	87.2 %	1.6 %	11.2 %	12.8 %	76.4 %	23.6 %	31.7 %	41.5 %	33.1 %	0.0 %	0.0 %	0.0 %	31.0 %	21.9 %	28.8 %	
1992	72.9 %	13.6 %	86.5 %	0.6 %	12.9 %	13.5 %	73.5 %	26.5 %	30.7 %	42.2 %	32.5 %	0.0 %	0.0 %	0.0 %	30.4 %	21.7 %	28.1 %	
1993	67.1 %	14.9 %	82.0 %	0.0 %	18.0 %	18.0 %	67.1 %	32.9 %	32.9 %	46.3 %	35.4 %	0.0 %	20.0 %	20.0 %	32.9 %	31.9 %	32.6 %	
1994	69.5 %	12.6 %	82.1 %	0.2 %	17.7 %	17.9 %	69.7 %	30.3 %	33.5 %	38.5 %	34.3 %	0.0 %	37.4 %	37.0 %	33.4 %	37.8 %	34.8 %	
1995	58.2 %	14.0 %	72.2 %	0.0 %	27.8 %	27.8 %	58.2 %	41.8 %	42.0 %	27.9 %	39.3 %	0.0 %	36.3 %	36.3 %	42.0 %	33.5 %	38.5 %	
1981 - 95	69.8 %	15.6 %	85.4 %	0.9 %	13.7 %	14.6 %	70.7 %	29.3 %	22.9 %	48.7 %	27.6 %	0.0 %	10.2 %	9.5 %	22.6 %	30.7 %	25.0 %	
Average	68.5 %	9.7 %	78.2 %	6.5 %	15.3 %	21.8 %	75.0 %	25.0 %	17.4 %	53.4 %	21.9 %	1.6 %	5.1 %	4.1 %	16.1 %	23.9 %	18.0 %	

1) CIS produced aircraft not included

Sources: Manufacturers; General Press

TABLE 2.6

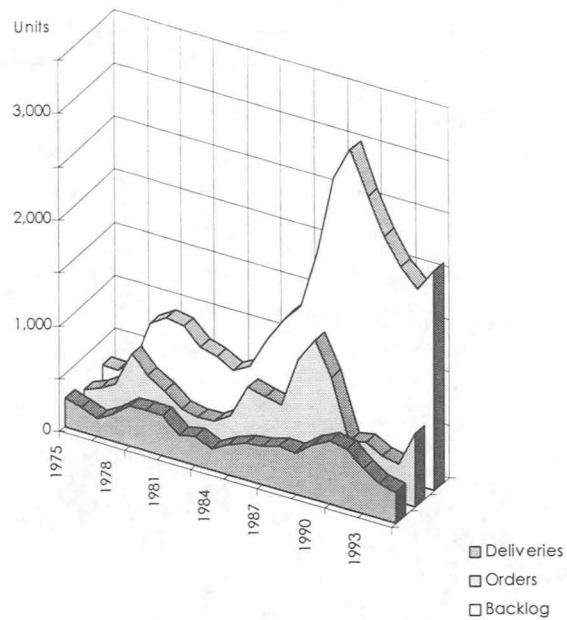
CIVIL JET AIRCRAFT BACKLOG IN UNITS¹

	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	48.9 %	37.6 %	86.5 %	3.0 %	10.6 %	13.5 %	51.8 %	48.2 %	4.0 %	48.3 %	23.3 %	0.0 %	0.0 %	20.1 %	3.8 %	37.7 %	20.1 %	
1982	51.7 %	32.6 %	84.2 %	2.7 %	13.1 %	15.8 %	54.4 %	45.6 %	2.3 %	44.7 %	18.7 %	0.0 %	0.0 %	15.8 %	2.2 %	31.9 %	15.8 %	
1983	57.5 %	25.9 %	83.4 %	4.3 %	12.3 %	16.6 %	61.8 %	38.2 %	9.5 %	46.7 %	21.1 %	0.0 %	0.0 %	17.6 %	8.8 %	31.7 %	17.6 %	
1984	69.8 %	16.5 %	86.2 %	2.5 %	11.2 %	13.8 %	72.3 %	27.7 %	10.5 %	43.6 %	16.8 %	0.0 %	0.0 %	14.5 %	10.1 %	25.9 %	14.5 %	
1985	78.6 %	11.5 %	90.1 %	1.4 %	8.4 %	9.9 %	80.1 %	19.9 %	18.1 %	48.7 %	22.0 %	0.0 %	0.0 %	19.8 %	17.8 %	28.1 %	19.8 %	
1986	79.6 %	8.5 %	88.1 %	1.3 %	10.6 %	11.9 %	81.0 %	19.0 %	25.9 %	47.6 %	28.0 %	0.0 %	0.0 %	24.6 %	25.5 %	21.2 %	24.6 %	
1987	74.6 %	10.7 %	85.3 %	1.3 %	13.4 %	14.7 %	75.9 %	24.1 %	29.0 %	50.0 %	31.7 %	0.0 %	0.0 %	27.0 %	28.5 %	22.3 %	27.0 %	
1988	77.0 %	9.0 %	86.0 %	0.9 %	13.0 %	14.0 %	77.9 %	22.1 %	25.9 %	41.1 %	27.5 %	2.0 %	1.8 %	23.9 %	25.6 %	18.0 %	23.9 %	
1989	73.9 %	10.2 %	84.0 %	0.5 %	15.5 %	16.0 %	74.4 %	25.6 %	26.6 %	37.5 %	27.9 %	31.6 %	30.7 %	28.3 %	26.4 %	34.0 %	28.3 %	
1990	69.7 %	11.1 %	80.7 %	0.7 %	18.6 %	19.3 %	70.3 %	29.7 %	32.5 %	34.9 %	32.8 %	29.0 %	28.0 %	31.9 %	32.2 %	31.2 %	31.9 %	
1991	64.7 %	14.4 %	79.1 %	0.2 %	20.7 %	20.9 %	64.9 %	35.1 %	31.7 %	33.5 %	32.1 %	35.0 %	34.6 %	32.6 %	31.6 %	34.4 %	32.6 %	
1992	62.6 %	15.8 %	78.4 %	0.0 %	21.5 %	21.6 %	62.7 %	37.3 %	33.0 %	30.6 %	32.5 %	42.8 %	42.7 %	34.7 %	32.9 %	37.7 %	34.7 %	
1993	62.1 %	18.2 %	80.3 %	0.0 %	19.6 %	19.7 %	62.1 %	37.9 %	32.0 %	20.4 %	29.4 %	50.9 %	50.8 %	33.6 %	32.0 %	36.2 %	33.6 %	
1994	63.5 %	17.4 %	80.9 %	0.0 %	19.1 %	19.1 %	63.5 %	36.5 %	36.4 %	15.4 %	31.9 %	55.5 %	55.5 %	36.4 %	36.4 %	36.4 %	36.4 %	
1995	64.6 %	20.8 %	85.4 %	0.0 %	14.6 %	14.6 %	64.6 %	35.4 %	35.7 %	8.6 %	29.1 %	55.6 %	55.6 %	33.0 %	35.7 %	28.0 %	33.0 %	
Average	67.2 %	15.7 %	82.9 %	0.8 %	16.3 %	17.1 %	68.0 %	32.0 %	27.5 %	33.4 %	28.6 %	30.4 %	28.9 %	28.6 %	27.1 %	31.9 %	28.6 %	

1) CIS produced aircraft not included

Sources: Manufacturers; General Press

CHART 2.4
CIVIL JET AIRCRAFT WORLD ORDERS / DELIVERIES / BACKLOG



Sources:
 Manufacturers; General Press

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

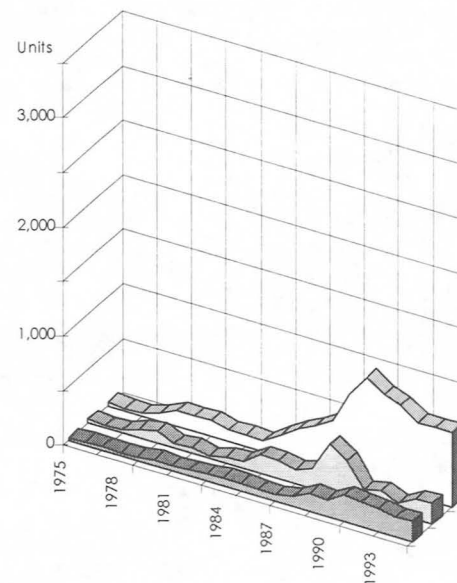


TABLE 2.7

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	Model	Design Origin	Number of Seats
ARGOSY	EUR	114	BEECH 1900	USA	19	A300	EUR	270	B720	USA	130-150	A310 300	EUR	220
ATR42	EUR	48	CONVAIR CV 540, 580, 600, 640	USA	56-78	A310 200	EUR	220	B727	USA	130-180	A330	EUR	335
ATR72	EUR	66	ELECTRA	USA	99	A319	EUR	124	B737	USA	115-160	A340	EUR	263-295
BAE ATP	EUR	64	FH227	USA	50	A320	EUR	150	B747 SR, 300SR	USA	530-550	CONCORDE	EUR	100
BRITANNIA 1/200	EUR	80	HERCULES C130, L100	USA	80	A321	EUR	185	B757	USA	189	VC 10	EUR	120
CASA 212	EUR	19	FAIRCHILD METRO II, III	USA	19	BAC 111	EUR	84-119	B767 200, 300 ¹	USA	211-250	B707	USA	155
CN 235	EUR	41	ST 27	USA	50	BAE 146 100	EUR	82-115	CV 880	USA	120	B747	USA	400-440
DO 228 100, 200	EUR	19				CARAVELLE 1/3	EUR	80-120	DC 9	USA	90-139	B747 SP	USA	270
DO 328	EUR	32	AN 12	Other	110	COMET	EUR	80	DC 10	USA	270	B767 300 ¹	USA	250
F27 400, 500, 600	EUR	50	AN 22	Other	29	CV 240	EUR	40	MD 80	USA	130-160	B777	USA	300-350
F50	EUR	50	AN 24	Other	48	F28 1000	EUR	60-85	MD 90	USA	153	C 5A	USA	450
F60	EUR	60	AN 26	Other	55	F70	EUR	79	MD 95	USA	120	CV 990	USA	120
HERALD	EUR	47	AN 30	Other	55	F100	EUR	107	AN 124	Other	450	DC 8	USA	170-269
HS 748	EUR	45-48	AN 32	Other	55	MERCURE	EUR	135	AN 225	Other	500	DC 10	USA	270
JETSTREAM 31	EUR	19	ARAVA	Other	20	RJ 70	EUR	85	EMB 145	Other	45	JETSTAR	USA	18
JETSTREAM 41	EUR	28	EMBRAER BANDEIRANT	Other	18-21	RJ 85	EUR	95	IL 76	Other	300	MD 11	USA	280
L410	EUR	25	EMBRAER BRASILIA	Other	30	RJ 100	EUR	115	IL 86	Other	300	TRISTAR	USA	230-270
MOHAWK	EUR	29	CL 44	Other	124	TRIDENT	EUR	90	IL 96	Other	330	TRISTAR C	USA	208
N 250	EUR	50	DHC6	Other	19	VFW 614	EUR	36	RJ 600	Other	50	IL 62	Other	190
NORD 262	EUR	29	DHC7 100	Other	50				TU 104	Other	60			
SAAB 2000	EUR	50	DHC8 100, 300, 400	Other	36-74				TU 124	Other	60			
SD 320 LINER, VAN	EUR	19	IL 114	Other	60				TU 134	Other	84			
SD 330	EUR	30	IL 18	Other	100-122				TU 154	Other	170			
SD 360	EUR	36	Y7	Other	50				TU 204	Other	190			
SF 340	EUR	33	YS 11A	Other	60				YAK 40, 42	Other	30-31			
TRANSALL	EUR	80												
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		Rest of World	
																	USA	World	World	
1986	6.8	10.8	8.9	10.6	11.9	9.7	12.7	13.0	10.3	14.9	10.3	14.1	10.9	10.8	11.4	11.5	11.8	13.3	11.7	11.9
1987	6.9	13.3	8.5	9.7	11.6	9.5	13.2	13.1	11.3	13.6	9.0	12.6	11.7	9.6	10.7	11.5	12.3	13.6	12.3	12.3
1988	5.9	14.1	8.7	11.4	11.1	8.8	13.1	13.2	12.5	12.6	9.9	13.4	11.8	9.6	10.5	11.6	12.6	13.9	12.7	12.6
1989	6.2	14.6	8.4	12.3	11.1	9.0	13.3	13.3	12.9	14.4	11.0	12.5	10.0	8.6	10.2	11.6	13.0	14.2	12.9	12.8
1990	5.5	13.7	8.2	12.5	10.8	9.3	13.2	13.7	12.1	11.8	11.1	11.9	9.8	6.9	9.6	11.4	12.7	14.5	13.3	13.0
1991	5.0	14.4	8.0	11.6	10.2	9.6	13.0	13.8	12.3	10.6	10.2	10.2	9.7	7.0	9.4	11.2	13.1	14.9	13.6	13.2
1992	5.4	13.4	8.2	12.2	10.4	10.5	13.1	14.3	13.3	13.5	10.8	9.3	9.5	7.3	9.4	11.4	13.5	15.1	14.0	13.5
1993	6.4	14.1	8.4	12.8	11.2	9.8	12.8	14.1	12.0	11.5	11.1	7.5	9.8	7.4	10.3	11.4	13.9	15.4	14.4	13.9
1994	6.9	15.0	8.6	13.2	11.7	10.5	12.7	14.2	11.9	10.5	11.1	8.5	9.7	8.1	11.0	11.6	14.6	15.8	15.0	14.4

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		Rest of World	
																	USA	World	World	
1986	5.5	10.6	9.1	10.4	13.0	8.5	12.9	11.2	9.7	13.3	11.0	13.2	10.4	10.9	10.5	11.0	11.2	11.7	11.3	11.3
1987	5.7	9.7	8.4	8.7	12.4	8.0	13.0	11.6	10.7	11.6	9.3	14.8	11.3	9.5	9.7	10.7	11.7	12.0	11.9	11.6
1988	4.8	9.4	8.5	10.8	11.3	7.2	13.0	11.6	12.0	11.5	9.4	15.2	10.8	9.0	9.7	10.7	11.8	12.1	12.2	11.8
1989	5.0	7.6	7.9	11.4	10.6	7.5	13.0	11.4	12.6	13.9	10.6	13.7	8.8	7.7	9.3	10.4	12.2	12.2	12.2	11.8
1990	4.2	8.2	7.1	11.5	9.7	7.9	12.7	12.1	11.5	10.9	10.5	12.2	8.5	5.5	8.6	10.1	11.5	12.3	12.4	11.8
1991	3.9	7.4	6.0	10.3	9.1	8.1	12.5	12.0	11.6	8.5	9.5	7.8	8.6	5.7	8.8	9.7	11.9	12.6	12.6	11.9
1992	4.3	7.2	6.1	11.0	9.0	8.7	12.7	12.1	11.3	11.0	10.1	6.5	8.4	5.8	8.7	9.8	12.6	12.7	12.9	12.2
1993	5.5	8.7	6.4	11.0	9.8	8.5	12.3	11.7	10.2	8.4	10.7	2.4	8.3	5.6	10.1	9.7	12.9	13.0	13.2	12.4
1994	6.0	9.6	6.7	12.0	9.8	9.2	12.3	11.6	9.8	9.0	10.5	6.3	8.4	6.2	10.7	10.0	13.4	13.1	13.7	12.8

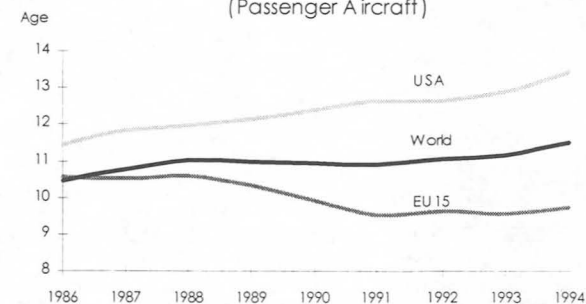
Passenger Aircraft

According to number of seats

	AT	BE	DE	DK	ES	FI	FR	GB	GR	IE	IT	LU	NL	PT	SE	EU15	Other Europe		Rest of World	
																	USA	World	World	
1986	5.1	10.3	8.9	11.4	11.8	8.5	12.1	10.7	10.6	14.8	8.5	11.9	10.2	10.4	10.6	10.6	10.6	11.4	10.1	10.4
1987	5.5	9.1	8.6	8.5	11.6	7.9	12.6	11.0	11.6	12.2	7.7	13.2	11.2	9.4	10.2	10.5	11.1	11.8	10.6	10.6
1988	4.7	9.3	8.6	10.3	10.3	7.9	12.9	11.2	12.8	12.6	8.5	15.2	10.8	8.3	10.3	10.6	11.3	12.0	10.9	11.0
1989	5.1	7.7	7.9	10.7	10.3	8.3	12.6	11.2	13.7	15.3	9.3	15.2	8.2	7.4	9.2	10.3	11.3	12.1	11.0	11.0
1990	4.5	8.9	7.1	11.0	9.6	8.1	12.4	11.6	13.2	11.2	10.0	13.3	7.6	5.6	8.1	9.9	10.4	12.4	11.1	10.9
1991	4.2	8.1	6.1	8.8	9.3	8.2	12.1	11.6	13.4	10.0	9.3	11.6	7.7	5.5	8.1	9.5	10.6	12.7	11.2	10.9
1992	4.7	7.9	6.1	9.8	9.6	8.8	12.4	11.5	12.7	12.7	9.8	9.7	7.2	6.0	7.9	9.6	11.1	12.7	11.3	11.1
1993	5.6	10.2	6.2	9.7	10.5	7.7	12.1	11.2	11.1	10.0	10.1	2.4	7.3	5.5	9.1	9.6	11.3	12.9	11.4	11.1
1994	6.1	10.8	6.0	12.1	10.7	8.3	11.9	11.4	10.4	10.5	10.0	7.5	7.3	5.6	10.1	9.7	11.8	13.4	11.9	11.5

Source: Aerospatiale

CHART 2.6

A 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	12.0 %	3.6 %	31.7 %	52.7 %	18,926	30.0 %	3.3 %	24.0 %	42.6 %	2,959	39.1 %	14.7 %	11.8 %	12.6 %	15.6 %
1987	12.2 %	3.5 %	32.4 %	51.9 %	19,639	29.6 %	3.1 %	25.5 %	41.7 %	3,160	39.0 %	14.4 %	12.7 %	12.9 %	16.1 %
1988	12.7 %	3.4 %	32.5 %	51.4 %	20,639	29.6 %	3.5 %	26.1 %	40.8 %	3,447	38.9 %	17.1 %	13.4 %	13.3 %	16.7 %
1989	13.3 %	3.3 %	32.6 %	50.8 %	21,578	30.5 %	3.4 %	26.1 %	40.0 %	3,752	40.0 %	18.0 %	13.9 %	13.7 %	17.4 %
1990	13.6 %	3.4 %	33.0 %	50.0 %	22,471	30.9 %	3.5 %	27.2 %	38.4 %	4,043	40.8 %	18.6 %	14.8 %	13.8 %	18.0 %
1991	14.2 %	3.8 %	32.2 %	49.8 %	23,203	31.1 %	3.6 %	26.3 %	39.0 %	4,352	41.0 %	17.8 %	15.3 %	14.7 %	18.8 %
1992	14.0 %	15.0 %	32.0 %	39.0 %	23,922	29.6 %	3.8 %	27.1 %	39.4 %	4,601	40.6 %	4.9 %	16.3 %	19.5 %	19.2 %
1993	13.8 %	15.3 %	32.1 %	38.8 %	24,591	29.4 %	3.9 %	26.8 %	39.9 %	4,859	42.1 %	5.0 %	16.5 %	20.3 %	19.8 %
1994	13.8 %	15.1 %	32.0 %	39.1 %	25,180	29.0 %	4.3 %	26.4 %	40.3 %	5,081	42.5 %	5.7 %	16.7 %	20.8 %	20.2 %
	<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	13.5 %	3.1 %	33.9 %	49.5 %	2,188	33.4 %	4.2 %	19.7 %	42.7 %	226	25.4 %	14.0 %	6.0 %	8.9 %	10.3 %
1987	13.6 %	3.0 %	34.4 %	49.0 %	2,281	33.2 %	3.8 %	20.2 %	42.8 %	238	25.5 %	12.9 %	6.1 %	9.1 %	10.4 %
1988	13.9 %	3.0 %	34.2 %	49.0 %	2,410	33.0 %	4.1 %	20.8 %	42.1 %	259	25.6 %	15.0 %	6.6 %	9.2 %	10.8 %
1989	14.5 %	2.9 %	34.0 %	48.6 %	2,532	33.6 %	4.3 %	20.8 %	41.3 %	289	26.5 %	16.6 %	7.0 %	9.7 %	11.4 %
1990	14.9 %	3.1 %	33.9 %	48.1 %	2,662	34.3 %	4.4 %	21.2 %	40.1 %	314	27.2 %	16.7 %	7.4 %	9.8 %	11.8 %
1991	15.5 %	3.3 %	32.6 %	48.6 %	2,772	34.0 %	4.5 %	19.2 %	42.3 %	347	27.4 %	16.9 %	7.4 %	10.9 %	12.5 %
1992	15.3 %	14.6 %	32.1 %	38.0 %	2,895	32.0 %	5.1 %	20.2 %	42.8 %	377	27.1 %	4.5 %	8.2 %	14.7 %	13.0 %
1993	15.0 %	15.2 %	31.9 %	37.9 %	3,001	31.1 %	5.0 %	20.4 %	43.5 %	413	28.5 %	4.5 %	8.8 %	15.8 %	13.8 %
1994	15.0 %	15.2 %	31.5 %	38.3 %	3,090	30.6 %	5.4 %	20.3 %	43.7 %	441	29.2 %	5.0 %	9.2 %	16.3 %	14.3 %
	<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	15.1 %	3.2 %	30.1 %	51.7 %	132,649	22.6 %	6.7 %	25.6 %	45.0 %	15,212	17.2 %	24.1 %	9.8 %	10.0 %	11.5 %
1987	15.5 %	3.1 %	31.5 %	49.9 %	123,041	23.5 %	5.6 %	27.0 %	43.9 %	14,596	17.9 %	21.4 %	10.2 %	10.4 %	11.9 %
1988	16.0 %	3.1 %	31.3 %	49.6 %	136,327	24.7 %	6.4 %	28.0 %	40.9 %	17,326	19.6 %	26.1 %	11.4 %	10.5 %	12.7 %
1989	17.7 %	3.0 %	30.4 %	48.9 %	165,192	27.2 %	6.1 %	26.8 %	39.9 %	23,850	22.2 %	29.1 %	12.7 %	11.8 %	14.4 %
1990	19.4 %	3.3 %	30.3 %	47.0 %	166,486	29.4 %	5.8 %	25.9 %	38.9 %	25,528	23.2 %	26.7 %	13.1 %	12.7 %	15.3 %
1991	21.1 %	3.6 %	29.0 %	46.3 %	197,839	31.0 %	5.5 %	23.2 %	40.3 %	33,135	24.7 %	25.6 %	13.4 %	14.6 %	16.7 %
1992	20.4 %	13.4 %	29.3 %	37.0 %	216,179	28.4 %	6.8 %	23.9 %	41.0 %	37,934	24.4 %	8.9 %	14.3 %	19.5 %	17.5 %
1993	19.8 %	13.7 %	29.3 %	37.2 %	260,898	28.1 %	6.4 %	23.9 %	41.6 %	49,366	26.9 %	8.8 %	15.5 %	21.1 %	18.9 %
1994	20.4 %	13.2 %	28.5 %	37.9 %	267,816	29.5 %	6.3 %	22.8 %	41.3 %	54,556	29.5 %	9.8 %	16.3 %	22.2 %	20.4 %

Source: Aerospatiale

**CHART 2.7 All aircraft types in service 1994.
Comparisons by value.**

(opposite page)

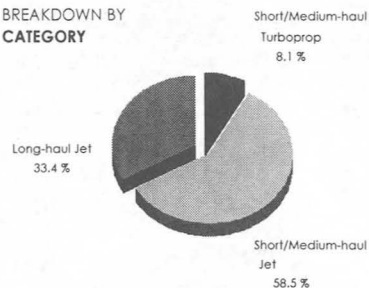
The lefthand section shows the distribution of all aircraft by area with no regard to origin. In 1994 the world's fleet amounted to 25,180 units. 13.8 % of them were registered in the EU, 15.1 % in the rest of Europe, etc.

The middle section shows how the EU-built fleet is distributed around the world, e.g. of the 5,081 units built in the EU, 29.0 % of them were registered within the EU, 4.3 % were registered in the rest of Europe, etc.

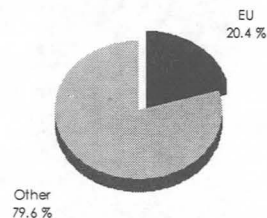
The righthand section shows the proportion of the fleet in each area that was built in the EU, e.g. in 1994 EU-built aircraft accounted for 20.2 % of the world's total fleet. Of the EU total fleet, 42.5 % were of EU origin.

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

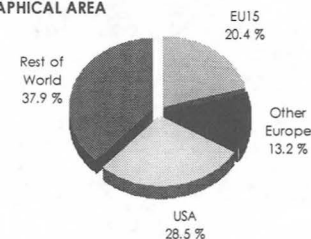
**BREAKDOWN BY
CATEGORY**



EU-BUILT SHARE OF WORLD FLEET



**BREAKDOWN BY
GEOGRAPHICAL AREA**



**DISTRIBUTION OF EU-BUILT AIRCRAFT
BY GEOGRAPHICAL AREA**

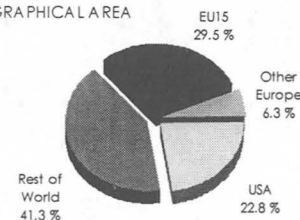


TABLE 2.10

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 fleet in each geographical area									
	<i>Breakdown by Units</i>										<i>Breakdown by Seats</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	14.0 %	4.0 %	47.4 %	34.7 %	851	17.8 %	6.6 %	46.3 %	29.3 %	259	38.7 %	50.0 %	29.8 %	25.8 %	30.4 %					
1987	18.1 %	2.0 %	50.2 %	29.8 %	847	24.3 %	2.0 %	49.4 %	24.3 %	251	39.9 %	29.4 %	29.2 %	24.2 %	29.6 %					
1988	20.3 %	4.2 %	40.9 %	34.6 %	1,074	30.1 %	9.1 %	31.1 %	29.7 %	286	39.4 %	57.8 %	20.3 %	22.8 %	26.6 %					
1989	25.8 %	3.0 %	37.9 %	33.3 %	1,101	30.4 %	4.4 %	28.9 %	36.3 %	388	41.5 %	51.5 %	26.9 %	38.4 %	35.2 %					
1990	26.5 %	3.3 %	40.1 %	30.1 %	1,241	33.2 %	5.1 %	35.0 %	26.6 %	394	39.8 %	48.8 %	27.7 %	28.2 %	31.7 %					
1991	33.0 %	3.1 %	37.0 %	26.9 %	1,339	39.0 %	3.8 %	33.6 %	23.6 %	479	42.3 %	42.9 %	32.5 %	31.4 %	35.8 %					
1992	21.5 %	7.7 %	39.2 %	31.6 %	1,230	21.4 %	8.1 %	36.5 %	34.1 %	384	31.1 %	32.6 %	29.0 %	33.7 %	31.2 %					
1993	19.2 %	10.5 %	38.8 %	31.6 %	992	26.1 %	6.4 %	33.3 %	34.2 %	360	49.5 %	22.1 %	31.2 %	39.3 %	36.3 %					
1994	19.5 %	5.8 %	40.8 %	33.9 %	760	25.8 %	6.4 %	32.8 %	35.1 %	299	52.0 %	43.2 %	31.6 %	40.7 %	39.3 %					

	<i>Breakdown by Seats</i>										<i>Breakdown by Current Value</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	14.0 %	3.8 %	37.5 %	44.7 %	107	15.5 %	12.0 %	36.0 %	36.5 %	16	16.3 %	47.4 %	14.2 %	12.1 %	14.8 %				
1987	16.9 %	2.1 %	42.5 %	38.4 %	103	30.7 %	1.0 %	34.8 %	33.6 %	15	27.3 %	7.0 %	12.3 %	13.2 %	15.1 %					
1988	19.1 %	3.7 %	36.1 %	41.1 %	136	30.5 %	9.4 %	31.9 %	28.3 %	23	27.3 %	43.2 %	15.0 %	11.7 %	17.1 %					
1989	28.2 %	3.0 %	29.6 %	39.2 %	140	34.4 %	4.8 %	25.3 %	35.4 %	34	30.1 %	39.9 %	21.1 %	22.2 %	24.6 %					
1990	28.4 %	2.8 %	30.2 %	38.7 %	166	41.3 %	4.4 %	21.7 %	32.6 %	32	28.0 %	30.5 %	13.9 %	16.2 %	19.3 %					
1991	32.2 %	3.8 %	30.1 %	33.9 %	185	40.3 %	3.9 %	24.3 %	31.5 %	46	31.2 %	25.6 %	20.1 %	23.2 %	24.9 %					
1992	21.5 %	8.2 %	31.9 %	38.3 %	185	19.8 %	9.0 %	28.8 %	42.4 %	41	20.4 %	24.2 %	19.9 %	24.4 %	22.1 %					
1993	18.3 %	12.1 %	31.8 %	37.8 %	149	25.8 %	6.1 %	31.4 %	36.7 %	42	39.2 %	14.0 %	27.4 %	27.0 %	27.8 %					
1994	21.8 %	6.1 %	30.6 %	41.5 %	114	29.1 %	3.8 %	28.6 %	38.5 %	38	44.6 %	20.7 %	31.2 %	31.0 %	33.4 %					

Source: Aerospatiale

CHART 2.8 All aircraft types deliveries 1994 Comparisons by value

(opposite page)

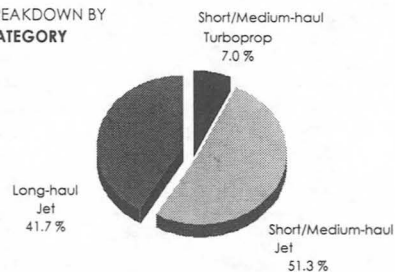
The lefthand section shows the distribution of all deliveries by area with no regard to origin. In 1994 the world's deliveries amounted to 760 units. 19.5 % of them were registered in the EU, 5.8 % in the rest of Europe, etc.

The middle section shows how the EU-built deliveries are distributed around the world, e.g. of the 299 deliveries of aircraft built in the EU, 25.8 % of them were registered within the EU, 6.4 % were registered in the rest of Europe, etc.

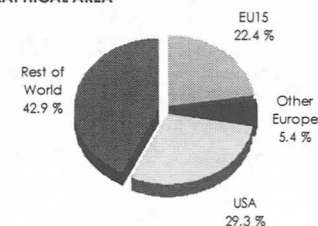
The righthand section shows the proportion of the deliveries in each area of aircraft that was built in the EU, e.g. in 1994 EU-built aircraft deliveries accounted for 39.3 % of the world's total deliveries. Of the EU total deliveries, 52.0 % were of EU origin.

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

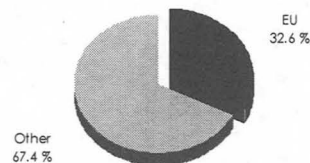
BREAKDOWN BY
CATEGORY



BREAKDOWN BY
GEOGRAPHICAL AREA



EU-BUILT SHARE OF WORLD DELIVERIES



DISTRIBUTION OF EU-BUILT AIRCRAFT
BY GEOGRAPHICAL AREA

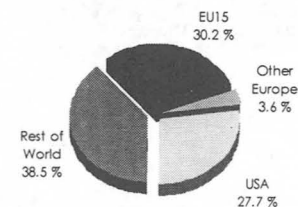


TABLE 2.11

CIVIL TRANSPORT AIRCRAFT ORDERS IN BACKLOG AT YEAR-END

All Aircraft Categories

	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>														
	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	26.0 %	2.6 %	45.1 %	26.3 %	1,680	30.4 %	5.4 %	30.8 %	33.4 %	542	37.8 %	65.9 %	22.0 %	41.0 %	32.3 %
1987	27.5 %	5.4 %	39.9 %	27.2 %	1,915	29.6 %	6.8 %	30.8 %	32.8 %	646	36.3 %	42.3 %	26.0 %	40.7 %	33.7 %
1988	32.5 %	3.4 %	36.9 %	27.1 %	2,528	34.2 %	3.6 %	26.5 %	35.7 %	812	33.8 %	33.3 %	23.0 %	42.3 %	32.1 %
1989	31.7 %	3.2 %	40.7 %	24.4 %	3,435	33.4 %	4.4 %	32.8 %	29.4 %	1,251	38.4 %	50.0 %	29.3 %	43.9 %	36.4 %
1990	29.0 %	4.8 %	39.6 %	26.7 %	3,694	31.6 %	9.1 %	30.9 %	28.4 %	1,450	42.8 %	75.0 %	30.7 %	41.7 %	39.3 %
1991	24.0 %	4.8 %	40.0 %	31.2 %	3,261	27.1 %	9.7 %	29.8 %	33.4 %	1,244	43.1 %	77.1 %	28.5 %	40.8 %	38.1 %
1992	20.7 %	5.1 %	40.1 %	34.0 %	2,825	25.6 %	8.6 %	32.4 %	33.4 %	1,155	50.5 %	68.3 %	33.0 %	40.2 %	40.9 %
1993	19.5 %	5.0 %	40.5 %	35.0 %	2,514	25.3 %	8.7 %	32.1 %	33.9 %	1,040	53.6 %	72.0 %	32.8 %	40.1 %	41.4 %
1994	19.8 %	5.0 %	40.2 %	35.0 %	2,466	23.4 %	8.9 %	29.4 %	38.2 %	1,075	51.5 %	78.0 %	31.9 %	47.7 %	43.6 %
	<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	28.7 %	2.5 %	42.1 %	26.8 %	243	35.7 %	5.9 %	31.8 %	26.6 %	56	28.6 %	55.5 %	17.4 %	22.8 %	23.0 %
1987	29.9 %	5.2 %	36.7 %	28.1 %	293	33.4 %	7.3 %	34.1 %	25.3 %	71	26.9 %	33.7 %	22.3 %	21.6 %	24.1 %
1988	33.3 %	3.5 %	34.2 %	29.1 %	395	34.8 %	4.0 %	30.1 %	31.2 %	89	23.6 %	25.8 %	19.9 %	24.2 %	22.6 %
1989	32.4 %	2.6 %	36.4 %	28.6 %	555	37.5 %	3.0 %	28.2 %	31.4 %	161	33.6 %	32.9 %	22.5 %	31.9 %	29.0 %
1990	29.3 %	3.2 %	34.7 %	32.7 %	634	35.7 %	6.4 %	26.6 %	31.3 %	197	37.9 %	60.8 %	23.9 %	29.7 %	31.1 %
1991	25.8 %	2.9 %	34.5 %	36.8 %	583	30.9 %	6.1 %	28.4 %	34.7 %	184	37.8 %	65.4 %	26.0 %	29.7 %	31.6 %
1992	22.8 %	2.7 %	35.3 %	39.2 %	516	29.0 %	4.6 %	32.6 %	33.8 %	176	43.4 %	59.6 %	31.5 %	29.5 %	34.2 %
1993	22.2 %	2.3 %	36.1 %	39.4 %	461	29.2 %	4.3 %	31.8 %	34.7 %	161	45.8 %	65.1 %	30.7 %	30.7 %	34.8 %
1994	21.7 %	2.6 %	36.9 %	38.7 %	427	26.6 %	5.2 %	29.6 %	38.5 %	154	44.2 %	71.4 %	28.9 %	35.9 %	36.0 %
	<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	28.9 %	2.4 %	41.3 %	27.3 %	53,532	35.9 %	6.1 %	32.7 %	25.4 %	11,605	26.9 %	54.3 %	17.2 %	20.1 %	21.7 %
1987	30.1 %	5.2 %	35.9 %	28.8 %	55,912	33.8 %	7.5 %	34.3 %	24.4 %	12,582	25.2 %	32.3 %	21.5 %	19.1 %	22.5 %
1988	33.3 %	3.5 %	33.2 %	30.1 %	74,666	34.8 %	4.1 %	30.5 %	30.6 %	15,661	22.0 %	24.4 %	19.3 %	21.4 %	21.0 %
1989	32.4 %	2.6 %	35.5 %	29.5 %	125,204	38.1 %	2.8 %	28.0 %	31.1 %	35,502	33.3 %	30.8 %	22.3 %	29.9 %	28.4 %
1990	29.3 %	3.2 %	33.9 %	33.6 %	137,055	36.1 %	6.2 %	26.3 %	31.4 %	41,374	37.3 %	59.0 %	23.4 %	28.1 %	30.2 %
1991	25.9 %	2.8 %	33.6 %	37.6 %	135,259	31.3 %	5.8 %	28.1 %	34.8 %	41,611	37.1 %	64.3 %	25.7 %	28.4 %	30.8 %
1992	23.2 %	2.5 %	34.3 %	40.1 %	120,606	29.5 %	4.3 %	32.1 %	34.1 %	40,279	42.5 %	58.5 %	31.3 %	28.4 %	33.4 %
1993	22.5 %	2.1 %	35.1 %	40.3 %	122,131	29.5 %	3.9 %	31.3 %	35.3 %	41,722	44.8 %	63.3 %	30.5 %	29.9 %	34.2 %
1994	21.9 %	2.4 %	35.8 %	39.9 %	120,684	26.7 %	4.7 %	29.2 %	39.5 %	42,616	43.0 %	69.3 %	28.8 %	34.9 %	35.3 %

Source: Aerospatiale

CHART 2.9 All aircraft types backlog 1994 Comparisons by value

(opposite page)

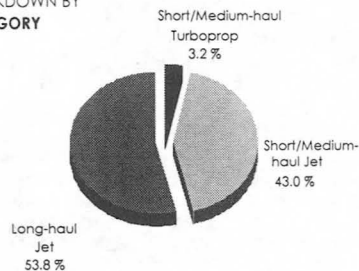
The lefthand section shows the distribution of all order backlog by area with no regard to origin. In 1994 the world's order backlog amounted to 2,466 units. 19.8 % of them were to be delivered to the EU, 5.0 % to the rest of Europe, etc.

The middle section shows how the order backlog of EU-built aircraft is distributed around the world, e.g. of the backlog of 1,075 aircraft of EU origin in 1994, 23.4 % of them were to be delivered to the EU, 8.9 % to the rest of Europe, etc.

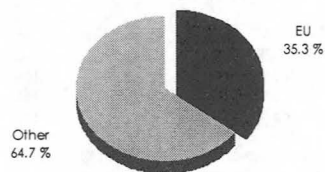
The righthand section shows the proportion of the EU origin order backlog in each area, e.g. in 1994 EU-built aircraft order backlog accounted for 43.6 % of the world's total order backlog. Of the EU total order backlog, 51.5 % was of EU origin.

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

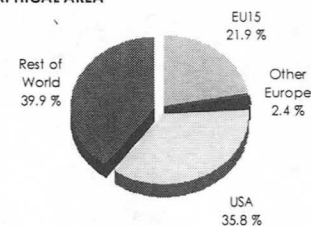
BREAKDOWN BY
CATEGORY



EU-BUILT SHARE OF WORLD BACKLOG



BREAKDOWN BY
GEOGRAPHICAL AREA



DISTRIBUTION OF EU-BUILT AIRCRAFT
BY GEOGRAPHICAL AREA

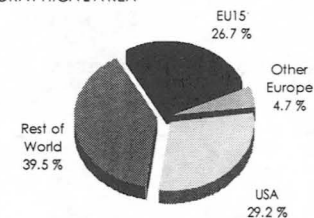


TABLE 2.12

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	9.9 %	3.7 %	26.2 %	60.2 %	8,698	28.7 %	2.6 %	22.9 %	45.8 %	1,914	64.0 %	15.4 %	19.2 %	16.7 %	22.0 %
1987	10.2 %	3.6 %	26.9 %	59.3 %	8,998	28.2 %	2.7 %	25.5 %	43.6 %	2,069	63.5 %	16.8 %	21.9 %	16.9 %	23.0 %
1988	10.7 %	3.6 %	27.1 %	58.6 %	9,430	28.1 %	3.0 %	26.6 %	42.3 %	2,284	63.4 %	20.5 %	23.7 %	17.5 %	24.2 %
1989	11.1 %	3.3 %	27.4 %	58.1 %	9,833	28.7 %	2.7 %	27.5 %	41.1 %	2,453	64.5 %	20.1 %	25.0 %	17.6 %	24.9 %
1990	11.4 %	3.2 %	28.5 %	56.9 %	10,165	29.0 %	2.7 %	29.5 %	38.9 %	2,638	65.8 %	21.5 %	26.9 %	17.7 %	26.0 %
1991	11.9 %	3.4 %	28.8 %	55.9 %	10,433	29.6 %	2.8 %	30.2 %	37.4 %	2,788	66.7 %	21.6 %	28.1 %	17.9 %	26.7 %
1992	11.6 %	13.5 %	28.8 %	46.1 %	10,608	29.0 %	2.8 %	30.8 %	37.4 %	2,868	67.4 %	5.6 %	28.9 %	21.9 %	27.0 %
1993	11.4 %	13.5 %	29.4 %	45.6 %	10,772	28.9 %	2.8 %	30.9 %	37.3 %	2,930	68.8 %	5.7 %	28.6 %	22.3 %	27.2 %
1994	11.4 %	13.5 %	29.3 %	45.8 %	10,912	28.5 %	3.1 %	30.3 %	38.0 %	3,011	69.1 %	6.4 %	28.5 %	22.9 %	27.6 %
	<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	8.3 %	3.7 %	23.7 %	64.3 %	498	32.4 %	2.6 %	18.8 %	46.3 %	75	58.4 %	10.4 %	11.9 %	10.8 %	15.0 %
1987	8.6 %	3.6 %	24.0 %	63.8 %	508	32.4 %	2.6 %	20.5 %	44.5 %	79	58.6 %	11.0 %	13.2 %	10.8 %	15.5 %
1988	9.1 %	3.5 %	24.1 %	63.3 %	523	32.3 %	3.1 %	21.5 %	43.1 %	86	58.5 %	14.3 %	14.7 %	11.2 %	16.4 %
1989	9.5 %	3.3 %	24.3 %	62.9 %	537	33.2 %	2.6 %	22.6 %	41.5 %	92	59.7 %	13.6 %	15.9 %	11.3 %	17.1 %
1990	9.8 %	3.2 %	25.0 %	62.0 %	547	33.9 %	2.7 %	24.6 %	38.9 %	98	62.0 %	15.0 %	17.7 %	11.2 %	17.9 %
1991	10.2 %	3.5 %	25.4 %	60.9 %	558	34.6 %	3.0 %	25.5 %	36.9 %	105	63.3 %	16.5 %	18.8 %	11.3 %	18.7 %
1992	10.1 %	15.6 %	25.3 %	49.0 %	565	33.6 %	3.2 %	26.2 %	36.9 %	108	63.4 %	3.9 %	19.8 %	14.4 %	19.1 %
1993	10.0 %	15.7 %	25.7 %	48.5 %	572	33.4 %	3.1 %	26.7 %	36.8 %	111	64.5 %	3.8 %	20.1 %	14.7 %	19.4 %
1994	10.0 %	15.8 %	25.7 %	48.5 %	578	32.4 %	3.4 %	26.5 %	37.6 %	115	64.3 %	4.3 %	20.5 %	15.4 %	19.8 %
	<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	8.4 %	3.7 %	32.0 %	55.9 %	12,826	19.6 %	3.2 %	37.2 %	39.9 %	3,320	60.3 %	22.4 %	30.1 %	18.5 %	25.9 %
1987	9.6 %	3.4 %	35.4 %	51.5 %	11,709	20.4 %	3.4 %	40.6 %	35.6 %	3,359	61.0 %	28.5 %	32.9 %	19.8 %	28.7 %
1988	11.5 %	3.3 %	36.7 %	48.5 %	12,828	23.1 %	4.1 %	38.5 %	34.3 %	4,137	64.8 %	40.3 %	33.8 %	22.8 %	32.2 %
1989	13.1 %	2.7 %	37.1 %	47.2 %	15,988	26.6 %	3.6 %	36.8 %	33.0 %	5,383	68.6 %	45.4 %	33.4 %	23.6 %	33.7 %
1990	14.3 %	2.5 %	39.0 %	44.2 %	15,961	28.6 %	3.8 %	37.1 %	30.6 %	5,803	72.7 %	53.9 %	34.6 %	25.1 %	36.4 %
1991	16.3 %	2.7 %	40.7 %	40.4 %	18,377	31.3 %	4.3 %	38.1 %	26.3 %	7,116	74.4 %	62.6 %	36.3 %	25.2 %	38.7 %
1992	16.2 %	7.7 %	42.0 %	34.1 %	18,848	30.5 %	5.8 %	37.4 %	26.3 %	7,599	76.2 %	30.0 %	35.9 %	31.1 %	40.3 %
1993	16.4 %	7.3 %	43.7 %	32.5 %	21,791	31.0 %	5.2 %	36.4 %	27.3 %	9,094	78.8 %	29.9 %	34.8 %	35.0 %	41.7 %
1994	16.3 %	6.9 %	44.4 %	32.4 %	21,814	29.9 %	5.8 %	36.3 %	28.0 %	9,383	78.8 %	35.9 %	35.2 %	37.3 %	43.0 %

Source: Aerospatiale

TABLE 2.13

CIVIL TRANSPORT AIRCRAFT IN SERVICE AT YEAR-END

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 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	12.4 %	3.5 %	37.9 %	46.2 %	8,134	29.6 %	4.5 %	27.6 %	38.3 %	985	28.9 %	15.4 %	8.8 %	10.0 %	12.1 %
1987	12.8 %	3.4 %	38.5 %	45.3 %	8,491	30.1 %	3.8 %	26.9 %	39.2 %	1,013	28.0 %	13.3 %	8.3 %	10.3 %	11.9 %
1988	13.6 %	3.4 %	38.1 %	45.0 %	9,005	30.8 %	4.0 %	26.3 %	38.9 %	1,062	26.7 %	14.2 %	8.1 %	10.2 %	11.8 %
1989	14.1 %	3.5 %	38.1 %	44.3 %	9,480	31.8 %	4.5 %	25.0 %	38.7 %	1,176	28.0 %	16.2 %	8.1 %	10.8 %	12.4 %
1990	14.6 %	3.7 %	38.1 %	43.6 %	9,941	32.6 %	4.8 %	24.2 %	38.4 %	1,264	28.4 %	16.6 %	8.1 %	11.2 %	12.7 %
1991	15.4 %	4.3 %	36.1 %	44.2 %	10,304	31.9 %	4.5 %	20.5 %	43.2 %	1,408	28.3 %	14.2 %	7.8 %	13.4 %	13.7 %
1992	15.1 %	18.3 %	35.7 %	30.9 %	10,741	29.0 %	4.7 %	22.4 %	43.9 %	1,555	27.8 %	3.7 %	9.1 %	20.6 %	14.5 %
1993	14.7 %	19.0 %	35.1 %	31.1 %	11,112	28.2 %	4.6 %	21.9 %	45.2 %	1,709	29.4 %	3.7 %	9.6 %	22.3 %	15.4 %
1994	14.6 %	18.7 %	35.2 %	31.4 %	11,463	27.0 %	5.2 %	23.0 %	44.8 %	1,824	29.4 %	4.4 %	10.4 %	22.7 %	15.9 %
	<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	12.6 %	3.1 %	39.8 %	44.6 %	1,143	32.0 %	4.5 %	21.4 %	42.1 %	143	31.8 %	18.2 %	6.7 %	11.8 %	12.5 %
1987	12.8 %	3.0 %	40.0 %	44.2 %	1,207	32.5 %	3.9 %	20.9 %	42.6 %	147	30.8 %	16.3 %	6.3 %	11.7 %	12.2 %
1988	13.5 %	2.9 %	39.1 %	44.5 %	1,301	32.8 %	4.0 %	21.0 %	42.1 %	156	29.2 %	16.5 %	6.5 %	11.4 %	12.0 %
1989	13.8 %	3.0 %	38.8 %	44.4 %	1,384	32.8 %	4.4 %	21.0 %	41.8 %	175	30.0 %	18.4 %	6.8 %	11.9 %	12.6 %
1990	14.2 %	3.3 %	38.7 %	43.7 %	1,465	33.2 %	4.6 %	20.7 %	41.5 %	189	30.1 %	17.8 %	6.9 %	12.3 %	12.9 %
1991	15.1 %	3.7 %	36.5 %	44.7 %	1,527	32.6 %	4.3 %	17.4 %	45.7 %	213	30.1 %	16.2 %	6.6 %	14.2 %	13.9 %
1992	14.7 %	18.5 %	36.0 %	30.8 %	1,603	30.4 %	4.5 %	19.0 %	46.0 %	235	30.2 %	3.6 %	7.7 %	21.9 %	14.6 %
1993	14.2 %	19.8 %	35.4 %	30.7 %	1,659	28.5 %	4.4 %	19.3 %	47.8 %	257	31.1 %	3.4 %	8.5 %	24.2 %	15.5 %
1994	14.1 %	19.9 %	35.1 %	30.9 %	1,708	26.9 %	4.9 %	20.8 %	47.4 %	273	30.5 %	4.0 %	9.5 %	24.5 %	16.0 %
	<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 %	3.1 %	34.0 %	50.6 %	75,725	23.8 %	6.1 %	23.9 %	46.2 %	11,137	28.3 %	28.9 %	10.4 %	13.4 %	14.7 %
1987	13.5 %	2.9 %	35.4 %	48.1 %	72,396	26.2 %	5.2 %	23.7 %	44.9 %	9,716	26.1 %	23.8 %	9.0 %	12.5 %	13.4 %
1988	14.9 %	3.1 %	34.1 %	47.9 %	82,915	27.7 %	5.8 %	25.3 %	41.2 %	10,718	24.0 %	24.1 %	9.6 %	11.1 %	12.9 %
1989	16.0 %	3.2 %	33.5 %	47.4 %	101,365	27.3 %	5.5 %	26.1 %	41.0 %	14,791	25.0 %	25.5 %	11.4 %	12.6 %	14.6 %
1990	17.4 %	3.9 %	33.9 %	44.9 %	101,801	28.5 %	5.4 %	24.7 %	41.4 %	15,830	25.5 %	21.7 %	11.3 %	14.3 %	15.5 %
1991	19.8 %	4.0 %	32.1 %	44.1 %	120,268	30.6 %	4.4 %	20.7 %	44.3 %	21,352	27.4 %	19.5 %	11.5 %	17.8 %	17.8 %
1992	19.4 %	18.2 %	32.1 %	30.2 %	130,595	27.9 %	4.6 %	23.0 %	44.5 %	24,948	27.5 %	4.8 %	13.7 %	28.1 %	19.1 %
1993	18.4 %	19.4 %	31.8 %	30.3 %	154,490	25.2 %	4.5 %	23.7 %	46.7 %	31,683	28.1 %	4.7 %	15.2 %	31.6 %	20.5 %
1994	18.7 %	19.0 %	32.2 %	30.1 %	156,547	25.0 %	4.8 %	24.7 %	45.6 %	34,372	29.4 %	5.5 %	16.8 %	33.3 %	22.0 %

Source: Aerospatiale

TABLE 2.14

CIVIL TRANSPORT AIRCRAFT IN SERVICE AT YEAR-END

Category: Long-haul Jet

	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	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 %	31.8 %	46.4 %	2,265	52.0 %	8.1 %	9.8 %	30.1 %	123	14.8 %	16.4 %	1.7 %	3.5 %	5.4 %
1990	19.0 %	3.0 %	31.1 %	46.9 %	2,365	53.2 %	7.8 %	9.9 %	29.1 %	141	16.7 %	15.5 %	1.9 %	3.7 %	6.0 %
1991	19.2 %	2.9 %	30.5 %	47.4 %	2,466	50.0 %	9.6 %	9.0 %	31.4 %	156	16.5 %	21.1 %	1.9 %	4.2 %	6.3 %
1992	19.5 %	7.0 %	29.9 %	43.6 %	2,573	44.9 %	12.9 %	7.9 %	34.3 %	178	15.9 %	12.7 %	1.8 %	5.4 %	6.9 %
1993	19.4 %	7.0 %	30.1 %	43.5 %	2,707	45.5 %	11.8 %	10.0 %	32.7 %	220	19.1 %	13.7 %	2.7 %	6.1 %	8.1 %
1994	19.4 %	6.9 %	29.4 %	44.3 %	2,805	48.8 %	11.4 %	4.1 %	35.8 %	246	22.1 %	14.4 %	1.2 %	7.1 %	8.8 %
	<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	20.3 %	2.5 %	31.1 %	46.1 %	547	67.5 %	13.5 %	0.0 %	19.0 %	8	4.9 %	7.9 %	0.0 %	0.6 %	1.5 %
1987	19.6 %	2.7 %	31.7 %	46.0 %	565	46.3 %	9.0 %	10.7 %	34.0 %	12	5.1 %	7.3 %	0.7 %	1.6 %	2.2 %
1988	19.0 %	2.5 %	32.3 %	46.2 %	586	37.8 %	10.1 %	15.2 %	36.8 %	17	5.9 %	11.9 %	1.4 %	2.4 %	3.0 %
1989	20.3 %	2.4 %	31.5 %	45.8 %	611	41.5 %	9.9 %	11.9 %	36.7 %	22	7.4 %	15.3 %	1.4 %	2.9 %	3.6 %
1990	20.5 %	2.5 %	30.7 %	46.3 %	650	44.5 %	9.3 %	11.8 %	34.5 %	26	8.7 %	15.0 %	1.5 %	3.0 %	4.0 %
1991	20.7 %	2.4 %	29.7 %	47.2 %	687	41.9 %	11.2 %	10.4 %	36.5 %	30	8.7 %	19.8 %	1.5 %	3.3 %	4.3 %
1992	20.8 %	5.2 %	28.8 %	45.2 %	727	37.3 %	14.7 %	9.0 %	39.0 %	34	8.5 %	13.5 %	1.5 %	4.1 %	4.7 %
1993	20.6 %	5.1 %	28.8 %	45.5 %	771	40.9 %	13.1 %	10.8 %	35.3 %	45	11.6 %	14.8 %	2.2 %	4.5 %	5.8 %
1994	20.5 %	5.0 %	27.9 %	46.5 %	805	46.1 %	11.9 %	4.1 %	37.9 %	53	14.9 %	15.8 %	1.0 %	5.4 %	6.6 %
	<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	21.6 %	3.3 %	22.8 %	52.3 %	44,099	17.8 %	32.0 %	0.0 %	50.2 %	755	1.4 %	16.8 %	0.0 %	1.6 %	1.7 %
1987	21.1 %	3.3 %	23.0 %	52.6 %	38,935	12.6 %	12.8 %	18.5 %	56.1 %	1,522	2.3 %	15.3 %	3.1 %	4.2 %	3.9 %
1988	19.7 %	3.1 %	23.9 %	53.3 %	40,584	14.6 %	13.1 %	22.1 %	50.3 %	2,472	4.5 %	25.5 %	5.6 %	5.7 %	6.1 %
1989	22.9 %	2.8 %	21.6 %	52.7 %	47,839	27.4 %	11.9 %	15.1 %	45.6 %	3,676	9.2 %	32.3 %	5.4 %	6.6 %	7.7 %
1990	25.3 %	2.5 %	20.0 %	52.2 %	48,724	34.1 %	10.5 %	14.3 %	41.0 %	3,895	10.8 %	33.9 %	5.7 %	6.3 %	8.0 %
1991	25.0 %	3.1 %	19.2 %	52.7 %	59,193	32.5 %	12.5 %	11.6 %	43.4 %	4,667	10.3 %	31.4 %	4.8 %	6.5 %	7.9 %
1992	23.5 %	5.4 %	20.2 %	50.9 %	66,736	27.3 %	18.2 %	9.0 %	45.4 %	5,386	9.4 %	27.4 %	3.6 %	7.2 %	8.1 %
1993	23.1 %	5.0 %	20.8 %	51.1 %	84,617	35.7 %	14.6 %	11.7 %	38.0 %	8,589	15.7 %	29.8 %	5.7 %	7.5 %	10.1 %
1994	24.5 %	4.6 %	18.0 %	53.0 %	89,455	43.7 %	11.8 %	5.1 %	39.4 %	10,801	21.6 %	31.1 %	3.5 %	9.0 %	12.1 %

Source: Aerospatiale

TABLE 2.15

CIVIL TRANSPORT AIRCRAFT ANNUAL DELIVERIES

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	13.0 %	3.0 %	54.1 %	29.8 %	362	20.3 %	4.6 %	47.7 %	27.4 %	197	85.1 %	81.8 %	48.0 %	50.0 %	54.4 %
1987	18.1 %	1.7 %	53.5 %	26.6 %	353	23.1 %	2.6 %	54.4 %	20.0 %	195	70.3 %	83.3 %	56.1 %	41.5 %	55.2 %
1988	18.5 %	3.0 %	43.0 %	35.6 %	433	28.6 %	6.6 %	33.2 %	31.6 %	196	70.0 %	100.0 %	34.9 %	40.3 %	45.3 %
1989	17.3 %	2.2 %	45.6 %	35.0 %	463	25.8 %	4.1 %	33.0 %	37.1 %	221	71.3 %	90.0 %	34.6 %	50.6 %	47.7 %
1990	19.1 %	3.3 %	50.4 %	27.2 %	492	25.1 %	6.0 %	44.6 %	24.3 %	251	67.0 %	93.8 %	45.2 %	45.5 %	51.0 %
1991	25.5 %	2.5 %	52.0 %	20.0 %	435	34.4 %	4.6 %	45.2 %	15.8 %	241	74.8 %	100.0 %	48.2 %	43.7 %	55.4 %
1992	15.9 %	5.5 %	54.0 %	24.6 %	346	25.3 %	9.2 %	42.0 %	23.6 %	174	80.0 %	84.2 %	39.0 %	48.2 %	50.3 %
1993	21.1 %	3.9 %	51.4 %	23.6 %	284	34.9 %	4.7 %	30.9 %	29.5 %	149	86.7 %	63.6 %	31.5 %	65.7 %	52.5 %
1994	13.9 %	7.8 %	52.4 %	26.0 %	231	23.0 %	9.8 %	36.9 %	30.3 %	122	87.5 %	66.7 %	37.2 %	61.7 %	52.8 %
	<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	12.4 %	3.2 %	51.4 %	33.0 %	12	22.7 %	5.7 %	47.1 %	24.5 %	6	87.3 %	84.9 %	43.7 %	35.4 %	47.7 %
1987	18.6 %	1.5 %	51.3 %	28.5 %	12	27.4 %	2.6 %	50.0 %	20.0 %	6	69.5 %	83.4 %	46.6 %	33.1 %	47.3 %
1988	21.1 %	2.9 %	38.7 %	37.2 %	16	33.2 %	6.3 %	28.7 %	31.8 %	7	71.5 %	100.0 %	33.7 %	38.9 %	45.6 %
1989	21.0 %	1.9 %	40.2 %	37.0 %	17	34.6 %	3.7 %	28.8 %	33.0 %	8	74.8 %	90.5 %	32.5 %	40.5 %	45.4 %
1990	22.7 %	3.5 %	43.2 %	30.6 %	19	33.9 %	6.6 %	35.2 %	24.3 %	9	72.5 %	91.6 %	39.6 %	38.6 %	48.6 %
1991	28.7 %	3.3 %	47.6 %	20.4 %	18	42.0 %	6.3 %	37.7 %	14.0 %	9	76.5 %	100.0 %	41.3 %	35.7 %	52.2 %
1992	18.9 %	7.3 %	48.3 %	25.4 %	14	29.7 %	11.9 %	33.3 %	25.0 %	7	81.4 %	84.3 %	35.8 %	51.1 %	51.9 %
1993	22.1 %	3.8 %	52.1 %	22.0 %	12	34.8 %	4.5 %	30.4 %	30.3 %	6	87.2 %	67.0 %	32.4 %	76.7 %	55.6 %
1994	16.2 %	7.9 %	49.9 %	26.0 %	10	24.2 %	10.2 %	38.0 %	27.6 %	6	84.6 %	72.5 %	43.0 %	60.1 %	56.5 %
	<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	11.3 %	2.9 %	51.9 %	33.9 %	2,029	22.7 %	5.7 %	47.1 %	24.5 %	884	87.3 %	84.9 %	39.5 %	31.5 %	43.5 %
1987	18.0 %	1.4 %	53.0 %	27.6 %	1,773	27.4 %	2.6 %	50.0 %	20.0 %	781	67.0 %	83.4 %	41.6 %	31.9 %	44.0 %
1988	20.6 %	2.8 %	39.5 %	37.1 %	2,361	33.2 %	6.3 %	28.7 %	31.8 %	1,033	70.3 %	100.0 %	31.8 %	37.4 %	43.7 %
1989	20.8 %	1.8 %	40.8 %	36.6 %	3,112	34.6 %	3.7 %	28.8 %	33.0 %	1,372	73.4 %	90.5 %	31.0 %	39.7 %	44.1 %
1990	22.0 %	3.4 %	44.0 %	30.7 %	3,286	33.9 %	6.6 %	35.2 %	24.3 %	1,545	72.5 %	91.6 %	37.7 %	37.3 %	47.0 %
1991	27.7 %	3.1 %	48.5 %	20.6 %	3,413	42.0 %	6.3 %	37.7 %	14.0 %	1,708	75.8 %	100.0 %	38.9 %	33.9 %	50.0 %
1992	18.2 %	7.1 %	49.2 %	25.5 %	2,696	29.7 %	11.9 %	33.3 %	25.0 %	1,347	81.4 %	84.3 %	33.8 %	49.0 %	49.9 %
1993	21.2 %	3.6 %	54.1 %	21.1 %	2,476	34.8 %	4.5 %	30.4 %	30.3 %	1,317	87.2 %	67.0 %	29.9 %	76.7 %	53.2 %
1994	15.8 %	7.6 %	51.2 %	25.5 %	2,177	24.2 %	10.2 %	38.0 %	27.6 %	1,174	82.6 %	72.5 %	40.1 %	58.4 %	53.9 %

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 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
1986	14.7 %	4.8 %	43.8 %	36.8 %	416	11.5 %	9.6 %	50.0 %	28.8 %	52	9.8 %	25.0 %	14.3 %	9.8 %	12.5 %
1987	18.9 %	2.2 %	51.3 %	27.6 %	417	38.9 %	0.0 %	33.3 %	27.8 %	36	17.7 %	0.0 %	5.6 %	8.7 %	8.6 %
1988	23.1 %	5.3 %	39.4 %	32.1 %	545	38.8 %	14.9 %	26.9 %	19.4 %	67	20.6 %	34.5 %	8.4 %	7.4 %	12.3 %
1989	31.0 %	3.9 %	36.6 %	28.4 %	535	33.8 %	4.1 %	26.2 %	35.9 %	145	29.5 %	28.6 %	19.4 %	34.2 %	27.1 %
1990	30.8 %	3.8 %	37.9 %	27.5 %	610	48.0 %	3.2 %	18.4 %	30.4 %	125	31.9 %	17.4 %	10.0 %	22.6 %	20.5 %
1991	38.6 %	2.7 %	31.7 %	26.9 %	735	45.0 %	1.8 %	22.7 %	30.5 %	220	34.9 %	20.0 %	21.5 %	33.8 %	29.9 %
1992	24.7 %	8.5 %	35.0 %	31.7 %	691	18.3 %	3.2 %	35.5 %	43.0 %	186	19.9 %	10.2 %	27.3 %	36.5 %	26.9 %
1993	16.3 %	16.3 %	35.6 %	31.7 %	526	13.1 %	7.7 %	38.1 %	41.1 %	168	25.6 %	15.1 %	34.2 %	41.3 %	31.9 %
1994	19.0 %	5.8 %	43.0 %	32.3 %	400	22.5 %	4.2 %	33.8 %	39.4 %	142	42.1 %	26.1 %	27.9 %	43.4 %	35.5 %
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	13.0 %	4.2 %	38.0 %	44.9 %	70	14.3 %	11.7 %	37.8 %	36.2 %	8	12.1 %	30.5 %	10.9 %	8.8 %	11.0 %
1987	17.3 %	2.0 %	45.4 %	35.4 %	69	51.5 %	0.0 %	21.9 %	26.6 %	5	22.8 %	0.0 %	3.7 %	5.7 %	7.6 %
1988	20.2 %	4.2 %	35.4 %	40.2 %	93	34.7 %	9.7 %	36.6 %	19.0 %	11	20.2 %	27.2 %	12.2 %	5.6 %	11.8 %
1989	26.7 %	3.8 %	33.8 %	35.8 %	90	29.9 %	4.3 %	28.8 %	37.0 %	22	27.3 %	27.5 %	20.7 %	25.2 %	24.3 %
1990	26.9 %	3.5 %	35.4 %	34.2 %	101	44.2 %	3.2 %	16.3 %	36.4 %	19	30.9 %	17.0 %	8.6 %	20.0 %	18.8 %
1991	34.8 %	3.1 %	32.6 %	29.5 %	113	41.4 %	1.6 %	22.1 %	34.9 %	33	34.5 %	15.2 %	19.6 %	34.4 %	29.0 %
1992	22.4 %	9.4 %	33.5 %	34.7 %	110	17.8 %	2.9 %	32.2 %	47.2 %	28	20.2 %	7.8 %	24.5 %	34.6 %	25.4 %
1993	14.0 %	19.8 %	33.9 %	32.3 %	81	12.0 %	5.8 %	36.6 %	45.6 %	24	25.6 %	8.8 %	32.4 %	42.4 %	30.0 %
1994	18.0 %	8.7 %	39.5 %	33.8 %	62	21.1 %	2.6 %	32.3 %	43.9 %	22	41.7 %	10.7 %	29.1 %	46.2 %	35.5 %
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	13.0 %	4.2 %	38.1 %	44.7 %	14,904	14.3 %	11.7 %	37.8 %	36.2 %	1,638	12.1 %	30.5 %	10.9 %	8.9 %	11.0 %
1987	17.5 %	2.0 %	46.1 %	34.4 %	12,321	51.5 %	0.0 %	21.9 %	26.6 %	957	22.8 %	0.0 %	3.7 %	6.0 %	7.8 %
1988	20.5 %	4.3 %	35.9 %	39.3 %	16,374	34.7 %	9.7 %	36.6 %	19.0 %	1,953	20.2 %	27.2 %	12.2 %	5.8 %	11.9 %
1989	26.8 %	3.8 %	34.0 %	35.4 %	18,999	29.9 %	4.3 %	28.8 %	37.0 %	4,654	27.3 %	27.5 %	20.7 %	25.6 %	24.5 %
1990	26.9 %	3.5 %	35.4 %	34.2 %	20,565	44.2 %	3.2 %	16.3 %	36.4 %	3,865	30.9 %	17.0 %	8.6 %	20.0 %	18.8 %
1991	34.9 %	3.0 %	32.7 %	29.4 %	24,498	41.4 %	1.6 %	22.1 %	34.9 %	7,128	34.5 %	15.9 %	19.6 %	34.6 %	29.1 %
1992	22.5 %	9.1 %	33.6 %	34.8 %	23,730	17.8 %	2.9 %	32.2 %	47.2 %	6,064	20.2 %	8.1 %	24.5 %	34.6 %	25.6 %
1993	14.0 %	19.7 %	34.0 %	32.4 %	19,956	12.0 %	5.8 %	36.6 %	45.6 %	6,012	25.8 %	8.9 %	32.4 %	42.4 %	30.1 %
1994	18.1 %	8.0 %	39.7 %	34.2 %	16,038	21.1 %	2.6 %	32.3 %	43.9 %	5,769	41.9 %	11.9 %	29.3 %	46.2 %	36.0 %

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 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
	<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	24.2 %	3.8 %	28.6 %	43.4 %	182	46.5 %	7.0 %	23.3 %	23.3 %	43	45.5 %	42.9 %	19.2 %	12.7 %	23.6 %
1994	31.0 %	2.3 %	13.2 %	53.5 %	129	48.6 %	2.9 %	14.3 %	34.3 %	35	42.5 %	33.3 %	29.4 %	17.4 %	27.1 %
	<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	18.0 %	2.7 %	29.2 %	50.0 %	24	0.0 %	30.0 %	0.0 %	70.0 %	2	0.0 %	100.0 %	0.0 %	12.8 %	9.1 %
1987	15.0 %	2.9 %	28.3 %	53.7 %	21	10.0 %	0.0 %	30.0 %	60.0 %	4	13.7 %	0.0 %	21.7 %	22.9 %	20.5 %
1988	13.8 %	2.5 %	37.2 %	46.5 %	27	17.4 %	13.0 %	26.1 %	43.5 %	5	23.7 %	100.0 %	13.2 %	17.6 %	18.8 %
1989	36.2 %	1.3 %	12.7 %	49.7 %	33	54.5 %	9.1 %	4.5 %	31.8 %	5	22.1 %	100.0 %	5.3 %	9.4 %	14.7 %
1990	33.9 %	1.0 %	13.6 %	51.5 %	47	44.4 %	5.6 %	16.7 %	33.3 %	4	11.1 %	46.8 %	10.4 %	5.5 %	8.5 %
1991	28.1 %	5.4 %	19.1 %	47.5 %	54	27.8 %	16.7 %	11.1 %	44.4 %	4	7.2 %	22.8 %	4.3 %	6.9 %	7.3 %
1992	20.4 %	6.3 %	25.2 %	48.1 %	60	16.7 %	37.5 %	4.2 %	41.7 %	5	7.2 %	52.5 %	1.5 %	7.6 %	8.8 %
1993	23.6 %	2.8 %	24.8 %	48.9 %	57	51.8 %	7.5 %	20.4 %	20.4 %	11	41.6 %	51.6 %	15.6 %	7.9 %	19.0 %
1994	28.7 %	1.8 %	12.9 %	56.5 %	42	48.7 %	2.8 %	15.7 %	32.7 %	10	42.1 %	38.6 %	30.1 %	14.4 %	24.8 %
	<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	18.0 %	2.7 %	29.2 %	50.0 %	5,931	0.0 %	30.0 %	0.0 %	70.0 %	541	0.0 %	100.0 %	0.0 %	12.8 %	9.1 %
1987	15.0 %	2.9 %	28.3 %	53.7 %	4,575	10.0 %	0.0 %	30.0 %	60.0 %	938	13.7 %	0.0 %	21.7 %	22.9 %	20.5 %
1988	13.8 %	2.5 %	37.2 %	46.5 %	5,805	17.4 %	13.0 %	26.1 %	43.5 %	1,091	23.7 %	100.0 %	13.2 %	17.6 %	18.8 %
1989	36.2 %	1.3 %	12.7 %	49.7 %	8,220	54.5 %	9.1 %	4.5 %	31.8 %	1,208	22.1 %	100.0 %	5.3 %	9.4 %	14.7 %
1990	33.9 %	1.0 %	13.6 %	51.5 %	11,007	44.4 %	5.6 %	16.7 %	33.3 %	933	11.1 %	46.8 %	10.4 %	5.5 %	8.5 %
1991	28.1 %	5.4 %	19.1 %	47.5 %	13,534	27.8 %	16.7 %	11.1 %	44.4 %	991	7.2 %	22.8 %	4.3 %	6.9 %	7.3 %
1992	20.4 %	6.3 %	25.2 %	48.1 %	15,251	16.7 %	37.5 %	4.2 %	41.7 %	1,342	7.2 %	52.5 %	1.5 %	7.6 %	8.8 %
1993	23.6 %	2.8 %	24.8 %	48.9 %	16,289	51.8 %	7.5 %	20.4 %	20.4 %	3,089	41.6 %	51.6 %	15.6 %	7.9 %	19.0 %
1994	28.7 %	1.8 %	12.9 %	56.5 %	13,051	48.7 %	2.8 %	15.7 %	32.7 %	3,237	42.1 %	38.6 %	30.1 %	14.4 %	24.8 %

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				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
1986	14.3 %	2.0 %	32.2 %	51.4 %	391	19.4 %	3.6 %	21.2 %	55.9 %	222	76.8 %	100.0 %	37.3 %	61.7 %	56.8 %
1987	13.3 %	3.1 %	35.1 %	48.5 %	445	15.4 %	5.4 %	23.2 %	56.0 %	259	67.8 %	100.0 %	38.5 %	67.1 %	58.2 %
1988	22.7 %	2.1 %	33.0 %	42.3 %	525	30.7 %	3.1 %	17.8 %	48.5 %	326	84.0 %	90.9 %	33.5 %	71.2 %	62.1 %
1989	26.1 %	5.6 %	39.4 %	28.9 %	675	27.3 %	7.9 %	35.2 %	29.6 %	483	75.0 %	100.0 %	63.9 %	73.3 %	71.6 %
1990	23.8 %	13.3 %	40.2 %	22.6 %	667	25.4 %	17.6 %	32.3 %	24.7 %	507	81.1 %	100.0 %	61.2 %	82.8 %	76.0 %
1991	19.5 %	14.0 %	38.4 %	28.0 %	599	23.1 %	19.8 %	24.2 %	32.9 %	425	83.8 %	100.0 %	44.8 %	83.3 %	71.0 %
1992	19.3 %	18.0 %	29.1 %	33.6 %	488	22.0 %	19.4 %	19.6 %	39.0 %	377	88.3 %	83.0 %	52.1 %	89.6 %	77.3 %
1993	11.7 %	21.1 %	31.7 %	35.4 %	426	14.1 %	22.1 %	23.6 %	40.2 %	326	92.0 %	80.0 %	57.0 %	86.8 %	76.5 %
1994	12.3 %	15.8 %	31.7 %	40.2 %	495	13.1 %	17.3 %	24.1 %	45.4 %	381	82.0 %	84.6 %	58.6 %	86.9 %	77.0 %
Breakdown by Seats															
	Distribution of aircraft by geographical area				Seats x 1,000	Distribution of EU-built aircraft by geographical area				Seats x 1,000	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
1986	17.3 %	2.3 %	26.7 %	53.8 %	15	23.8 %	3.7 %	15.5 %	56.9 %	9	84.3 %	100.0 %	35.5 %	64.6 %	61.0 %
1987	16.1 %	3.8 %	29.5 %	50.6 %	17	19.3 %	6.0 %	19.2 %	55.5 %	11	75.1 %	100.0 %	40.6 %	68.5 %	62.5 %
1988	28.9 %	2.2 %	26.7 %	42.2 %	21	37.9 %	3.1 %	14.7 %	44.4 %	14	88.4 %	93.5 %	37.2 %	70.9 %	67.5 %
1989	31.8 %	6.6 %	31.7 %	29.8 %	27	33.5 %	8.9 %	27.5 %	30.1 %	20	78.3 %	100.0 %	64.6 %	75.1 %	74.4 %
1990	28.6 %	14.9 %	33.5 %	23.1 %	28	30.1 %	18.8 %	26.6 %	24.5 %	22	83.0 %	100.0 %	62.7 %	83.6 %	78.9 %
1991	24.5 %	16.1 %	30.5 %	28.9 %	24	26.6 %	20.5 %	20.1 %	32.7 %	18	85.1 %	100.0 %	51.7 %	88.7 %	78.4 %
1992	22.5 %	20.0 %	22.3 %	35.3 %	19	24.0 %	20.6 %	15.6 %	39.8 %	16	88.8 %	85.7 %	58.2 %	93.8 %	83.1 %
1993	14.3 %	23.1 %	27.6 %	35.0 %	17	16.6 %	24.0 %	21.9 %	37.5 %	14	93.2 %	83.6 %	64.0 %	86.1 %	80.4 %
1994	14.9 %	18.2 %	25.4 %	41.5 %	19	16.5 %	19.4 %	19.4 %	44.7 %	15	90.9 %	87.2 %	62.5 %	88.2 %	81.9 %
Breakdown by Current Value															
	Distribution of aircraft by geographical area				Mio ECU	Distribution of EU-built aircraft by geographical area				Mio ECU	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
1986	17.3 %	2.3 %	26.7 %	53.8 %	2,196	23.8 %	3.7 %	15.5 %	56.9 %	1,340	84.3 %	100.0 %	35.5 %	64.6 %	61.0 %
1987	16.0 %	3.8 %	29.4 %	50.8 %	2,311	19.3 %	6.0 %	19.2 %	55.5 %	1,440	75.1 %	100.0 %	40.6 %	68.1 %	62.3 %
1988	28.9 %	2.2 %	26.7 %	42.2 %	2,987	37.9 %	3.1 %	14.7 %	44.4 %	2,016	88.4 %	93.5 %	37.2 %	70.9 %	67.5 %
1989	31.8 %	6.6 %	31.7 %	29.8 %	4,757	33.5 %	8.9 %	27.5 %	30.1 %	3,541	78.3 %	100.0 %	64.6 %	75.1 %	74.4 %
1990	28.6 %	14.9 %	33.5 %	23.1 %	4,646	30.1 %	18.8 %	26.6 %	24.5 %	3,665	83.0 %	100.0 %	62.7 %	83.6 %	78.9 %
1991	24.5 %	16.1 %	30.5 %	28.9 %	4,273	26.6 %	20.5 %	20.1 %	32.7 %	3,349	85.1 %	100.0 %	51.7 %	88.7 %	78.4 %
1992	22.5 %	20.0 %	22.3 %	35.3 %	3,418	24.0 %	20.6 %	15.6 %	39.8 %	2,842	88.8 %	85.7 %	58.2 %	93.8 %	83.1 %
1993	14.3 %	23.1 %	27.6 %	35.0 %	3,507	16.6 %	24.0 %	21.9 %	37.5 %	2,821	93.2 %	83.6 %	64.0 %	86.1 %	80.4 %
1994	14.9 %	18.2 %	25.4 %	41.5 %	3,905	16.5 %	19.4 %	19.4 %	44.7 %	3,198	90.9 %	87.2 %	62.5 %	88.2 %	81.9 %

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 fleet 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	30.4 %	2.9 %	55.0 %	11.6 %	1,051	40.8 %	6.3 %	37.6 %	15.3 %	287	36.6 %	58.1 %	18.7 %	36.1 %	27.3 %
1987	33.2 %	6.1 %	46.4 %	14.3 %	1,156	40.6 %	7.1 %	37.8 %	14.5 %	352	37.2 %	35.2 %	24.8 %	30.9 %	30.4 %
1988	35.8 %	3.6 %	42.6 %	17.9 %	1,590	36.2 %	3.6 %	32.9 %	27.3 %	450	28.6 %	27.6 %	21.8 %	43.3 %	28.3 %
1989	33.0 %	2.5 %	46.6 %	17.9 %	2,097	33.8 %	2.0 %	33.6 %	30.6 %	598	29.2 %	23.1 %	20.6 %	48.7 %	28.5 %
1990	30.6 %	2.4 %	45.2 %	21.7 %	2,188	32.7 %	3.1 %	33.6 %	30.6 %	739	36.1 %	43.4 %	25.1 %	47.6 %	33.8 %
1991	23.5 %	2.8 %	48.2 %	25.6 %	1,791	25.8 %	3.4 %	38.5 %	32.3 %	592	36.4 %	40.0 %	26.4 %	41.7 %	33.1 %
1992	18.0 %	2.9 %	51.9 %	27.1 %	1,537	24.1 %	3.3 %	46.1 %	26.5 %	540	46.9 %	40.0 %	31.2 %	34.3 %	35.1 %
1993	19.2 %	1.9 %	52.0 %	27.0 %	1,376	29.9 %	2.6 %	42.7 %	24.8 %	501	56.8 %	50.0 %	29.9 %	33.4 %	36.4 %
1994	21.3 %	2.8 %	50.9 %	25.0 %	1,319	31.2 %	5.4 %	37.4 %	26.0 %	484	53.7 %	70.3 %	27.0 %	38.2 %	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	29.7 %	2.7 %	54.8 %	12.8 %	151	42.1 %	5.9 %	34.6 %	17.4 %	40	37.5 %	56.6 %	16.7 %	35.9 %	26.4 %
1987	31.9 %	5.5 %	47.0 %	15.6 %	169	37.8 %	6.5 %	39.6 %	16.0 %	52	36.7 %	36.6 %	26.0 %	31.7 %	30.9 %
1988	34.3 %	3.5 %	43.7 %	18.6 %	234	33.6 %	3.7 %	33.5 %	29.3 %	67	27.9 %	30.1 %	21.8 %	44.9 %	28.5 %
1989	31.8 %	2.2 %	46.8 %	19.3 %	314	32.4 %	2.0 %	30.5 %	35.2 %	91	29.4 %	25.3 %	18.8 %	52.7 %	28.9 %
1990	29.8 %	2.2 %	45.3 %	22.7 %	331	33.0 %	3.1 %	30.6 %	33.4 %	115	38.3 %	48.0 %	23.4 %	51.0 %	34.6 %
1991	23.5 %	2.5 %	47.6 %	26.4 %	277	26.6 %	3.2 %	36.4 %	33.8 %	97	39.9 %	44.6 %	27.0 %	45.1 %	35.2 %
1992	18.5 %	2.6 %	51.1 %	27.8 %	237	24.8 %	3.0 %	44.4 %	27.7 %	88	50.0 %	43.1 %	32.4 %	37.2 %	37.3 %
1993	19.6 %	1.8 %	52.1 %	26.6 %	214	29.4 %	2.7 %	42.3 %	25.7 %	80	56.1 %	57.4 %	30.3 %	36.1 %	37.4 %
1994	20.7 %	2.6 %	52.3 %	24.4 %	199	30.4 %	5.3 %	39.1 %	25.2 %	73	54.0 %	74.6 %	27.4 %	37.9 %	36.7 %
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	29.7 %	2.7 %	54.8 %	12.8 %	32,129	42.1 %	5.9 %	34.6 %	17.4 %	8,479	37.5 %	56.6 %	16.7 %	35.9 %	26.4 %
1987	31.9 %	5.5 %	47.0 %	15.6 %	30,736	37.8 %	6.5 %	39.6 %	16.0 %	9,501	36.7 %	36.6 %	26.0 %	31.7 %	30.9 %
1988	34.3 %	3.5 %	43.7 %	18.6 %	41,632	33.6 %	3.7 %	33.5 %	29.3 %	11,847	27.9 %	30.1 %	21.8 %	44.9 %	28.5 %
1989	31.8 %	2.2 %	46.8 %	19.3 %	66,962	32.4 %	2.0 %	30.5 %	35.2 %	19,325	29.4 %	25.3 %	18.8 %	52.7 %	28.9 %
1990	29.8 %	2.2 %	45.3 %	22.7 %	67,643	33.0 %	3.1 %	30.6 %	33.4 %	23,444	38.4 %	48.0 %	23.4 %	51.0 %	34.7 %
1991	23.5 %	2.5 %	47.6 %	26.4 %	60,188	26.6 %	3.2 %	36.4 %	33.8 %	21,220	39.9 %	44.6 %	27.0 %	45.1 %	35.3 %
1992	18.5 %	2.6 %	51.1 %	27.8 %	51,136	24.8 %	3.0 %	44.4 %	27.7 %	19,073	50.1 %	43.1 %	32.4 %	37.2 %	37.3 %
1993	19.6 %	1.8 %	52.1 %	26.6 %	53,032	29.4 %	2.7 %	42.3 %	25.7 %	19,859	56.2 %	57.4 %	30.4 %	36.2 %	37.4 %
1994	20.6 %	2.6 %	52.4 %	24.4 %	51,851	30.4 %	5.3 %	39.1 %	25.2 %	19,054	54.2 %	74.6 %	27.4 %	37.9 %	36.7 %

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 fleet 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	25.6 %	2.1 %	22.7 %	49.6 %	238	15.2 %	9.1 %	36.4 %	39.4 %	33	8.2 %	60.0 %	22.2 %	11.0 %	13.9 %
1987	26.4 %	6.1 %	22.9 %	44.6 %	314	22.9 %	14.3 %	17.1 %	45.7 %	35	9.6 %	26.3 %	8.3 %	11.4 %	11.1 %
1988	32.2 %	4.4 %	19.9 %	43.6 %	413	41.7 %	8.3 %	25.0 %	25.0 %	36	11.3 %	16.7 %	11.0 %	5.0 %	8.7 %
1989	33.3 %	3.0 %	23.4 %	40.3 %	663	49.4 %	2.9 %	22.9 %	24.7 %	170	38.0 %	25.0 %	25.2 %	15.7 %	25.6 %
1990	28.7 %	4.1 %	24.2 %	43.0 %	839	42.6 %	9.8 %	17.6 %	29.9 %	204	36.1 %	58.8 %	17.7 %	16.9 %	24.3 %
1991	28.1 %	2.6 %	24.2 %	45.0 %	871	37.9 %	7.5 %	17.6 %	37.0 %	227	35.1 %	73.9 %	19.0 %	21.4 %	26.1 %
1992	26.9 %	1.5 %	24.1 %	47.5 %	800	34.9 %	3.4 %	21.4 %	40.3 %	238	38.6 %	66.7 %	26.4 %	25.3 %	29.8 %
1993	24.9 %	1.3 %	23.5 %	50.4 %	712	31.5 %	2.3 %	20.2 %	46.0 %	213	37.9 %	55.6 %	25.7 %	27.3 %	29.9 %
1994	22.5 %	1.2 %	25.2 %	51.1 %	652	24.3 %	1.9 %	20.5 %	53.3 %	210	34.7 %	50.0 %	26.2 %	33.6 %	32.2 %
	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	29.0 %	2.0 %	20.3 %	48.6 %	78	15.2 %	9.1 %	36.4 %	39.4 %	7	4.8 %	42.9 %	16.6 %	7.5 %	9.3 %
1987	29.1 %	5.0 %	21.7 %	44.2 %	107	22.9 %	14.3 %	17.1 %	45.7 %	8	5.6 %	20.6 %	5.7 %	7.4 %	7.2 %
1988	32.3 %	3.7 %	19.2 %	44.8 %	139	39.6 %	7.9 %	28.8 %	23.7 %	8	7.3 %	12.8 %	9.0 %	3.2 %	6.0 %
1989	33.3 %	2.7 %	21.8 %	42.2 %	214	48.2 %	2.4 %	24.3 %	25.1 %	51	34.2 %	21.3 %	26.3 %	14.1 %	23.6 %
1990	28.8 %	3.3 %	22.1 %	45.9 %	275	42.9 %	8.1 %	19.2 %	29.8 %	61	32.8 %	53.6 %	19.2 %	14.3 %	22.0 %
1991	28.1 %	2.2 %	22.0 %	47.7 %	283	38.2 %	6.2 %	19.2 %	36.4 %	68	32.6 %	67.9 %	21.0 %	18.4 %	24.1 %
1992	26.8 %	1.4 %	21.9 %	49.9 %	260	35.2 %	3.1 %	21.8 %	39.9 %	72	36.4 %	61.0 %	27.8 %	22.2 %	27.8 %
1993	25.3 %	1.3 %	21.7 %	51.7 %	229	31.5 %	2.2 %	21.3 %	45.0 %	67	36.2 %	50.0 %	28.5 %	25.2 %	29.0 %
1994	23.3 %	1.2 %	23.3 %	52.2 %	209	24.8 %	1.7 %	21.5 %	52.0 %	65	33.3 %	44.3 %	28.9 %	31.3 %	31.4 %
	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	29.0 %	2.0 %	20.3 %	48.6 %	19,208	15.2 %	9.1 %	36.4 %	39.4 %	1,785	4.8 %	42.9 %	16.6 %	7.5 %	9.3 %
1987	29.1 %	5.0 %	21.7 %	44.2 %	22,865	22.9 %	14.3 %	17.1 %	45.7 %	1,641	5.6 %	20.6 %	5.7 %	7.4 %	7.2 %
1988	32.3 %	3.7 %	19.2 %	44.8 %	30,048	39.6 %	7.9 %	28.8 %	23.7 %	1,798	7.3 %	12.8 %	9.0 %	3.2 %	6.0 %
1989	33.3 %	2.7 %	21.8 %	42.2 %	53,485	48.2 %	2.4 %	24.3 %	25.1 %	12,636	34.2 %	21.3 %	26.3 %	14.1 %	23.6 %
1990	28.8 %	3.3 %	22.1 %	45.9 %	64,765	42.9 %	8.1 %	19.2 %	29.8 %	14,265	32.8 %	53.6 %	19.2 %	14.3 %	22.0 %
1991	28.1 %	2.2 %	22.0 %	47.7 %	70,799	38.2 %	6.2 %	19.2 %	36.4 %	17,042	32.6 %	67.9 %	21.0 %	18.4 %	24.1 %
1992	26.8 %	1.4 %	21.9 %	49.9 %	66,052	35.2 %	3.1 %	21.8 %	39.9 %	18,363	36.4 %	61.0 %	27.8 %	22.2 %	27.8 %
1993	25.3 %	1.3 %	21.7 %	51.7 %	65,592	31.5 %	2.2 %	21.3 %	45.0 %	19,042	36.2 %	50.0 %	28.5 %	25.2 %	29.0 %
1994	23.3 %	1.2 %	23.3 %	52.2 %	64,928	24.8 %	1.7 %	21.5 %	52.0 %	20,364	33.3 %	44.3 %	28.9 %	31.3 %	31.4 %

Source: Aerospatiale

TABLE 2.21

NON-WESTERN CIVIL AIRCRAFT

in Operation by Year of Registration

Situation as of January 1996

	Year of registration	by Units						by Seats - in % of total non-w seats								
		Helicopters	Pistons / turboprops	Cargo Jets	Other Jets			Total Non-Western Units	% of World Total Fleet	Helicopters	Pistons / turboprops	Other Jets			Total Seats in Non-Western Aircraft	Average Seat Capacity
					Narrow Body	Wide Body	Both					Narrow Body	Wide Body	Both		
CARGO JETS																
Antonov An-124 * An-225 * An-72 * An-74	1981	28	123	36	101	7	108	295	13.6 %	1.3 %	7.1 %	76.5 %	15.2 %	91.6 %	16,158	55
Ilyushin IL-76 * IL-78	1982	31	110	55	76	8	84	280	18.1 %	1.6 %	7.5 %	71.6 %	19.2 %	90.9 %	14,376	51
	1983	28	140	37	77	11	88	293	25.2 %	1.7 %	9.1 %	60.5 %	28.8 %	89.2 %	13,023	44
	1984	47	122	49	52	10	62	280	26.2 %	14.7 %	11.8 %	44.8 %	28.7 %	73.5 %	11,837	42
	1985	54	122	44	40	5	45	265	22.9 %	4.7 %	18.3 %	57.0 %	20.0 %	77.0 %	8,426	32
	1986	57	110	68	42	10	52	287	22.2 %	9.3 %	11.3 %	49.6 %	29.8 %	79.4 %	11,301	39
OTHER JETS																
Narrow Body																
Ilyushin IL-62	1987	54	72	42	52	7	59	227	18.0 %	9.8 %	7.9 %	61.5 %	20.9 %	82.3 %	11,574	51
Rombac 111 561RC	1988	36	79	78	38	3	41	234	16.4 %	16.7 %	9.5 %	65.0 %	8.9 %	73.8 %	7,519	32
Tupolev TU-134 * TU-154 * TU-204 * TU-234 * TU-334	1989	43	83	52	54	12	66	244	16.0 %	4.1 %	11.9 %	56.8 %	27.2 %	84.0 %	12,076	49
Wide Body																
Ilyushin IL-86 * IL-96	1990	32	125	55	77	6	83	295	16.4 %	4.3 %	12.9 %	69.1 %	13.8 %	82.9 %	14,707	50
	1991	92	66	44	63	11	74	276	14.5 %	8.7 %	6.7 %	67.9 %	16.6 %	84.5 %	13,568	49
	1992	80	48	55	71	9	80	263	16.0 %	7.6 %	1.6 %	71.3 %	18.7 %	90.0 %	14,889	57
	1993	23	15	47	88	6	94	179	14.8 %	2.0 %	2.8 %	80.8 %	14.4 %	95.3 %	13,739	77
HELICOPTERS																
Harbin Z-9A	1994	5	7	7	18	3	21	40	4.8 %	2.1 %	5.9 %	73.2 %	18.8 %	92.0 %	3,747	94
Kamov Ka-32	1995	0	9	7	6	1	7	23	3.7 %	0.0 %	4.0 %	96.0 %	0.0 %	96.0 %	860	37
MIl Mi-14 * Mi-17 * Mi-26 * Mi-8																
PZL Swidnik Kania * Swidnik Mi-2 * Swidnik W-3																
PISTONS / TURBOPROPS																
Antonov An-26 * An-32																
Harbin Y-11 * Y-12																
Ilyushin IL-114																
Let 410 * 420 * 610																
PZL Mielec An-2 * Mielec M-20																
Shaanxi Y-8																
Shijiazhuang Y-5																
Xian Y-7																

Source: BUCHair

The table includes aircraft as listed to the left.

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 what is 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 reasons¹;
- 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 build for business transport (their high costs imply that they are seldom used on scheduled routes);
- *turboprop aircraft*
that are used for air taxi.

For the last 2 categories, and because of the large number of aircraft models, 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 *aircraft that are no longer built*, 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 put into first service before 1989*, 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 1989 on*, the price of new aircraft is used.

¹ 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).

The aircraft included in the study are listed on the following pages.

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

Light aircraft are broken down by category as follows:

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

It has not been possible to obtain updated figures before this report went to press, wherefore the table presented in the previous edition is repeated here.

TABLE 3.1

BUSINESS AIRCRAFT

Design Origin US

Turboprops				Jets			
Manufacturer and Model	No. of Seats	Years	Value in 1994 Mio. ECU	Manufacturer and Model	No. of Seats	Years	Value in 1994 Mio. ECU
BEECH				BEECH			
BEECH 18	10	1946 - 66	42	BEECHJET (DIAMOND II)	2+7/9	1985 ...	3,363
BEECH 1900	2+19	1982 ...	2,690	BOEING			
KING AIR 100	1+10	1969 - 83	588	B-707/720		1957 - 79	1,681
KING AIR 200	1+10	1973 ...	1,681	B-727		1963 - 84	2,774
KING AIR 300	1+10	1984 ...	2,606	B-737		1967 ...	4,792
KING AIR 90	1+9	1964 ...	1,009	B-747		1969 ...	52,123
STARSHIP	2+6/10	1989 ...	3,363	B-757/767			37,831
CESSNA				CESSNA			
C-421,208	1+7	1967 ...	504	CITATION II	2+10	1978 ...	2,522
C-425,441	1+10	1980 ...	925	CITATION III/V/VI/VII	2+13	1982 ...	4,708
CONVAIR				CITATION, CITATIONJET	2+5/7		1,261
CV 580,640	56	1960 - 69	420	GATES LEARJET			
FAIRCHILD				LEARJET23,24,25	2+6		715
F-27/FH-227	40	1958 - 68	462	LEARJET35,36	2+10	1974 ...	2,438
MERLIN II	2+6	1967 - 68	193	LEARJET55	2+10	1980 ...	4,119
MERLIN III	2+9	1970 - 83	588	GULFSTREAM			
MERLIN IV	2+15	1971 ...	1,345	G.II	10/19	1966 - 80	4,035
GULFSTREAM/ROCKWELL				G.III,IV	3+19		13,031
COM 1000	1+7/10	1981 - 85	1,177	LOCKHEED			
COM 681,690	9	1970 - 79	261	JETSTAR II	2+10	1976 - 80	1,934
COM 900,980,840	1+7/10	1980 - 85	799	JETSTAR6,8,731	2+10	1960 - 73	841
GOSSE	7/11	1933 - 45	126	McDD			
GULFSTREAM I	12/26	1959 - 69	462	DC-10		1970 - 83	6,305
TURBO-CMDR	11	1966 - 69	84	DC-8		1959 ...	4,203
PIPER				DC-9/MD80			3,783
P-31T,1	1+8	1974 ...	420	ROCKWELL			
P-31T-2,2XL	1+10	1981 ...	757	JET COMMANDER	2+8	1965 - 68	252
P-42,400	11	1980 ...	1,513	SABER 40	2+8	1964 - 74	420
				SABER 60,65,75,80	2+10	1967 - 78	1,513

Source: IATA

TABLE 3.2

BUSINESS AIRCRAFT

Design Origin EU

Turboprops				Jets					
Manufacturer and Model	No. of Seats	Years	Value in 1994 Mio. ECU	Manufacturer and Model	No. of Seats	Years	Value in 1994 Mio. ECU		
AEROSPATIALE				AEROSPATIALE					
TBM-700	6-8	1990 ...	1,177	CORVETTE 100	6/12	1972 - 79	420		
BRITISH AEROSPACE				AIRBUS					
HS-748	40/50	1961 ...	1,681	A300-600		1984 ...	46,238		
JETSTREAM 31	2+18	1967 - 93	2,354	A310-300		1982 ...	52,123		
DORNIER				BRITISH AEROSPACE					
DO 228/328	2+19	1982 ...	3,363	BAC 111	79	1963 - 82	1,009		
FOKKER				HS-125-400,600					
F-27/F50	40/60	1957 - 85	3,783	HS-125-700	8/10	1977 - 84	2,774		
PARTENAVIA				HS-125-800					
P.68	1+5/9	1979 ...	673		2+8	1984 ...	6,894		
PIAGGIO				DASSAULT-BREGUET					
P.180	5-9	1990 ...	3,783	FALCON 10,100	2+7	1973 ...	2,102		
PILATUS BRITTEN-NORMAN				FALCON 20,200					
PORTER PC6/12	8/11	1965 ...	168	FALCON 2000	2+19	1993 ...	13,031		
BN-2A	10	1965 ...	462	FALCON 50	2+10	1978 ...	8,827		
SHORT				FALCON 900					
SKYVAN	19	1966 ...	269		2+12/14	1986 ...	17,234		
				FOKKER					
				F-28/F100/F70					
				1967 ...				6,726	
				MBB					
				HANSA JET					
				9/15				1966 - 73	252
				SOCATA					
				PARIS JET					
				4				1958 - 64	126

Source: IATA

TABLE 3.3

BUSINESS AIRCRAFT

Design Origin Other

<i>Turboprops</i>				<i>Jets</i>			
Manufacturer and Model	No. of Seats	Years	Value in 1994 Mio. ECU	Manufacturer and Model	No. of Seats	Years	Value in 1994 Mio. ECU
DE HAVILLAND (CA)				CANADAIR (CA)			
DASH 7	54	1977 ...	2,690	CL-600	2+19	1980 - 83	5,464
TURBO BEAVER	8	1948 - 68	34	CL-601	2+19	1982 ...	11,770
TWIN OTTER	22	1965 ...	673	IAI (IL)			
EMBRAER (BR)				ASTRA	2+10	1985 ...	4,876
EMB-110	2+18	1973 - 89	1,009	WESTWIND 1,2	2+10	1965 ...	2,018
EMB-Neiva 821	2+6/8	1984 ...	841	MITSUBISHI (JP)			
EMB120,121	2+9	1979 ...	5,296	DIAMOND	9/11	1981 - 85	1,681
MITSUBISHI (JP)							
MARQUISE	11	1979 - 85	841				
MU-2	9	1967 - 85	294				

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

All current member states (situation 1995) included for all years;

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.

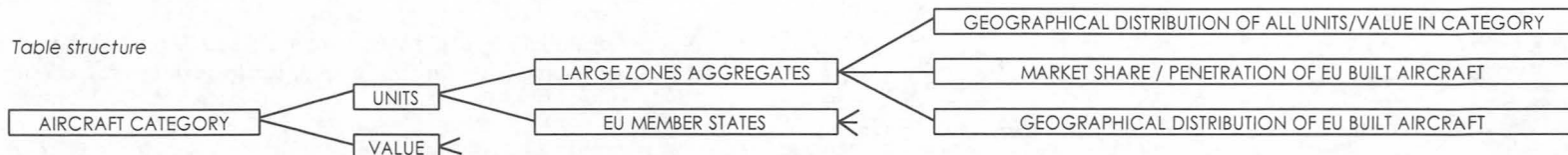


TABLE 3.4

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	7.4 %	1.4 %	76.5 %	2.7 %	5.1 %	2.7 %	2.8 %	1.4 %	13,636
1987	8.6 %	1.4 %	74.4 %	2.8 %	5.6 %	2.8 %	2.9 %	1.5 %	13,837
1988	9.6 %	1.6 %	72.0 %	3.2 %	6.1 %	2.9 %	2.9 %	1.7 %	14,103
1989	10.3 %	1.7 %	70.2 %	3.5 %	6.6 %	2.9 %	3.0 %	1.8 %	14,399
1990	11.4 %	1.7 %	68.1 %	3.7 %	7.3 %	3.1 %	3.1 %	1.6 %	14,819
1991	11.5 %	1.7 %	66.2 %	4.1 %	8.2 %	3.3 %	3.3 %	1.6 %	15,070
1992	11.5 %	1.8 %	65.0 %	4.7 %	8.7 %	3.4 %	3.3 %	1.5 %	15,314
1993	10.8 %	2.0 %	64.6 %	4.8 %	9.1 %	3.6 %	3.5 %	1.5 %	15,620
1994	10.6 %	2.0 %	64.6 %	4.9 %	9.4 %	3.4 %	3.7 %	1.3 %	16,370

EU-built Aircraft - Market Share in Geographical Zones

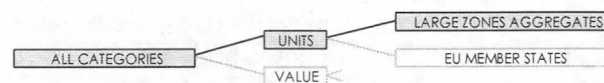
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	25.0 %	15.9 %	9.4 %	11.5 %	2.3 %	23.1 %	20.5 %	11.5 %	11.1 %
1987	23.5 %	16.4 %	9.8 %	11.2 %	2.5 %	22.5 %	20.4 %	15.8 %	11.4 %
1988	23.7 %	18.1 %	10.1 %	10.3 %	2.2 %	21.0 %	18.6 %	13.9 %	11.7 %
1989	23.8 %	18.7 %	10.2 %	9.2 %	2.5 %	19.8 %	18.9 %	11.9 %	11.8 %
1990	24.5 %	19.6 %	10.2 %	8.9 %	2.8 %	17.9 %	19.2 %	11.2 %	12.0 %
1991	25.7 %	23.6 %	10.3 %	9.8 %	3.0 %	16.2 %	18.6 %	8.5 %	12.1 %
1992	24.9 %	25.3 %	10.4 %	11.5 %	3.6 %	16.7 %	19.1 %	8.7 %	12.3 %
1993	26.5 %	23.5 %	10.9 %	12.7 %	3.9 %	17.6 %	20.0 %	9.9 %	12.8 %
1994	32.4 %	23.0 %	11.4 %	13.4 %	6.9 %	17.4 %	21.4 %	7.3 %	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	16.7 %	2.0 %	65.2 %	2.9 %	1.1 %	5.6 %	5.2 %	1.5 %	1,507
1987	17.6 %	2.0 %	63.7 %	2.8 %	1.2 %	5.4 %	5.2 %	2.0 %	1,581
1988	19.5 %	2.5 %	62.1 %	2.8 %	1.2 %	5.2 %	4.7 %	2.1 %	1,644
1989	20.8 %	2.7 %	60.7 %	2.7 %	1.4 %	4.9 %	4.9 %	1.8 %	1,694
1990	23.3 %	2.8 %	58.4 %	2.8 %	1.7 %	4.6 %	5.0 %	1.5 %	1,772
1991	24.4 %	3.3 %	56.3 %	3.3 %	2.0 %	4.4 %	5.0 %	1.2 %	1,823
1992	23.4 %	3.7 %	55.0 %	4.4 %	2.6 %	4.7 %	5.2 %	1.1 %	1,880
1993	22.4 %	3.7 %	54.9 %	4.8 %	2.7 %	4.9 %	5.4 %	1.1 %	2,003
1994	24.5 %	3.3 %	52.3 %	4.7 %	4.6 %	4.2 %	5.7 %	0.7 %	2,298

Source: IATA

(this page)

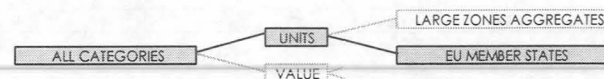


Top section: The world total fleet of business aircraft in 1994 is 16,370 units. The part of the fleet that is registered within the EU represents 10.6 % of this volume.

Middle section: The overall share of EU built aircraft of the world's total fleet represents 14.0 % of the fleet in 1994. EU built aircraft account for 32.4 % of the EU fleet.

Bottom section: The total number of EU built aircraft is 2,298 units, distributed with 24.5 % in the EU zone, 52.3 % 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	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	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	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	3.6 %	2.0 %	15.5 %	3.6 %	4.5 %	1.8 %	27.0 %	17.4 %	0.1 %	0.9 %	15.0 %	0.2 %	2.1 %	0.6 %	5.8 %	1,481
1990	3.8 %	1.9 %	16.1 %	3.2 %	4.5 %	1.7 %	29.3 %	16.3 %	0.1 %	1.1 %	14.2 %	0.2 %	2.3 %	0.5 %	4.8 %	1,682
1991	4.2 %	2.0 %	17.6 %	3.2 %	4.6 %	1.6 %	28.4 %	15.8 %	0.1 %	0.9 %	14.3 %	0.2 %	2.1 %	0.6 %	4.5 %	1,731
1992	3.9 %	2.2 %	19.2 %	3.2 %	5.0 %	1.6 %	28.3 %	14.9 %	0.2 %	0.6 %	13.6 %	0.2 %	2.0 %	0.7 %	4.2 %	1,766
1993	3.9 %	2.1 %	20.5 %	3.8 %	5.3 %	1.5 %	27.8 %	14.7 %	0.2 %	0.6 %	12.5 %	0.2 %	2.1 %	0.8 %	4.0 %	1,692
1994	3.5 %	1.5 %	21.8 %	3.5 %	5.5 %	1.3 %	31.2 %	14.9 %	0.3 %	0.3 %	10.0 %	0.2 %	1.7 %	0.7 %	3.5 %	1,738

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	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	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	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	11.3 %	10.0 %	14.3 %	11.3 %	38.8 %	7.7 %	30.0 %	33.1 %	0.0 %	7.7 %	22.5 %	66.7 %	22.6 %	33.3 %	10.5 %	23.8 %
1990	14.1 %	9.4 %	12.9 %	9.3 %	35.5 %	14.3 %	31.0 %	36.9 %	0.0 %	5.6 %	20.9 %	66.7 %	20.5 %	33.3 %	13.6 %	24.5 %
1991	12.5 %	8.8 %	12.5 %	7.3 %	37.5 %	14.3 %	33.1 %	40.7 %	0.0 %	0.0 %	22.2 %	66.7 %	24.3 %	50.0 %	15.4 %	25.7 %
1992	11.6 %	7.9 %	9.7 %	8.8 %	36.0 %	10.3 %	32.0 %	42.8 %	33.3 %	10.0 %	22.4 %	66.7 %	19.4 %	38.5 %	17.3 %	24.9 %
1993	10.6 %	5.7 %	9.8 %	14.1 %	34.4 %	11.5 %	32.6 %	48.6 %	50.0 %	10.0 %	27.4 %	33.3 %	20.0 %	50.0 %	17.9 %	26.5 %
1994	15.0 %	15.4 %	13.2 %	8.2 %	32.6 %	13.0 %	45.9 %	51.0 %	33.3 %	20.0 %	31.0 %	33.3 %	16.7 %	61.5 %	14.8 %	32.4 %

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	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	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	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	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	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	2.0 %	0.7 %	8.5 %	0.9 %	6.7 %	0.9 %	36.6 %	24.9 %	0.0 %	0.0 %	12.4 %	0.4 %	2.0 %	1.1 %	2.7 %	445
1992	1.8 %	0.7 %	7.5 %	1.1 %	7.3 %	0.7 %	36.4 %	25.7 %	0.2 %	0.2 %	12.3 %	0.5 %	1.6 %	1.1 %	3.0 %	440
1993	1.6 %	0.4 %	7.6 %	2.0 %	6.9 %	0.7 %	34.2 %	27.0 %	0.4 %	0.2 %	12.9 %	0.2 %	1.6 %	1.6 %	2.7 %	448
1994	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 %	563

Source: IATA

TABLE 3.6

WORLD BUSINESS AIRCRAFT FLEET

All Aircraft Categories

Value 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 Value
1986	7.5 %	1.9 %	74.9 %	2.2 %	4.1 %	3.1 %	5.0 %	1.3 %	26,114
1987	8.4 %	1.9 %	73.2 %	2.1 %	4.5 %	3.1 %	5.2 %	1.5 %	27,307
1988	9.8 %	2.5 %	71.4 %	2.2 %	4.3 %	3.2 %	5.0 %	1.7 %	28,823
1989	10.5 %	2.7 %	69.5 %	2.4 %	4.5 %	3.2 %	5.4 %	1.8 %	32,124
1990	12.1 %	2.6 %	67.4 %	2.5 %	5.1 %	3.3 %	5.3 %	1.6 %	37,079
1991	12.8 %	2.6 %	65.6 %	2.8 %	5.6 %	3.5 %	5.6 %	1.5 %	38,525
1992	12.4 %	2.7 %	64.6 %	3.5 %	5.9 %	3.6 %	5.7 %	1.4 %	41,617
1993	11.6 %	2.9 %	63.5 %	3.7 %	6.0 %	3.6 %	7.3 %	1.4 %	45,370
1994	10.9 %	3.1 %	64.0 %	3.9 %	5.9 %	3.3 %	7.8 %	1.2 %	49,266

EU-built Aircraft - Market Share in Geographical Zones

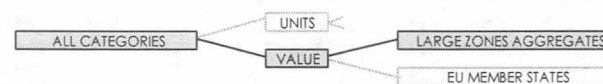
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	46.1 %	31.3 %	20.7 %	23.9 %	4.0 %	32.9 %	25.4 %	31.5 %	22.9 %
1987	43.4 %	38.0 %	21.8 %	23.2 %	4.6 %	33.5 %	31.1 %	38.9 %	24.3 %
1988	46.6 %	40.1 %	23.8 %	21.3 %	4.9 %	32.7 %	30.0 %	38.4 %	26.4 %
1989	46.9 %	37.5 %	23.2 %	19.5 %	5.9 %	33.7 %	30.7 %	41.0 %	26.3 %
1990	45.0 %	38.7 %	22.7 %	16.7 %	8.0 %	32.2 %	33.0 %	38.7 %	26.1 %
1991	46.1 %	40.7 %	22.7 %	19.0 %	9.3 %	32.9 %	32.1 %	31.5 %	26.3 %
1992	46.1 %	38.5 %	22.4 %	23.9 %	10.4 %	33.4 %	30.7 %	30.8 %	26.1 %
1993	46.6 %	30.4 %	21.6 %	23.7 %	10.4 %	33.8 %	32.8 %	30.4 %	25.5 %
1994	47.1 %	33.5 %	21.2 %	25.1 %	10.8 %	30.6 %	36.5 %	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	15.1 %	2.6 %	67.6 %	2.3 %	0.7 %	4.4 %	5.5 %	1.8 %	5,993
1987	15.0 %	2.9 %	65.8 %	2.0 %	0.9 %	4.2 %	6.7 %	2.5 %	6,627
1988	17.2 %	3.8 %	64.4 %	1.8 %	0.8 %	3.9 %	5.7 %	2.5 %	7,619
1989	18.7 %	3.8 %	61.4 %	1.8 %	1.0 %	4.0 %	6.4 %	2.9 %	8,436
1990	20.8 %	3.9 %	58.7 %	1.6 %	1.6 %	4.1 %	6.8 %	2.4 %	9,661
1991	22.4 %	4.0 %	56.6 %	2.0 %	2.0 %	4.3 %	6.9 %	1.8 %	10,143
1992	21.9 %	4.0 %	55.3 %	3.2 %	2.4 %	4.7 %	6.8 %	1.7 %	10,863
1993	21.2 %	3.4 %	53.7 %	3.4 %	2.5 %	4.8 %	9.4 %	1.6 %	11,581
1994	20.1 %	4.1 %	53.2 %	3.8 %	2.5 %	3.9 %	11.2 %	1.2 %	12,572

Source: IATA

(this page)

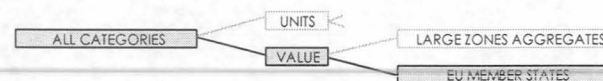


Top section: The total value of the world's fleet of business aircraft in 1994 is 49,266 Mio. ECU. The part of the fleet that is registered within the EU represents 10.9 % of this value.

Middle section: The overall share of EU built aircraft of the world's total fleet represents 25.5 % of the fleet's value in 1994. EU built aircraft account for 47.1 % of the EU fleet's value.

Bottom section: The total value of EU built aircraft is 12,572 Mio. ECU, distributed with 20.1 % in the EU zone, 53.2 % 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

Value 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 Value
1986	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 %	1,963
1987	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 %	2,295
1988	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 %	2,811
1989	4.1 %	2.5 %	12.0 %	2.1 %	3.8 %	1.1 %	25.8 %	18.3 %	0.0 %	1.4 %	21.3 %	0.8 %	2.4 %	0.6 %	3.6 %	3,366
1990	4.3 %	2.1 %	12.6 %	2.0 %	3.6 %	1.2 %	27.1 %	19.3 %	0.0 %	2.2 %	19.2 %	0.6 %	2.2 %	0.4 %	3.1 %	4,471
1991	4.5 %	1.6 %	13.6 %	1.8 %	4.2 %	1.1 %	26.7 %	20.2 %	0.0 %	2.0 %	18.2 %	0.5 %	2.0 %	0.8 %	2.9 %	4,921
1992	4.3 %	1.7 %	15.3 %	2.2 %	4.9 %	0.9 %	26.2 %	19.0 %	0.5 %	1.4 %	17.5 %	0.5 %	1.8 %	0.8 %	3.0 %	5,163
1993	3.9 %	1.6 %	16.6 %	2.9 %	5.3 %	0.8 %	24.2 %	20.2 %	0.6 %	1.4 %	15.9 %	0.2 %	2.4 %	1.2 %	2.7 %	5,260
1994	3.2 %	1.5 %	19.6 %	3.4 %	5.1 %	0.7 %	26.9 %	19.8 %	0.6 %	0.7 %	12.9 %	0.1 %	1.7 %	1.2 %	2.8 %	5,368

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	32.6 %	0.0 %	33.8 %	17.1 %	42.9 %	22.5 %	59.7 %	44.5 %	0.0 %	25.0 %	60.0 %	100.0 %	58.9 %	0.0 %	30.2 %	46.1 %
1987	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	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	31.9 %	23.8 %	34.2 %	17.1 %	66.7 %	22.8 %	61.8 %	40.8 %	0.0 %	7.5 %	49.3 %	96.7 %	63.0 %	79.5 %	27.2 %	46.9 %
1990	29.4 %	22.2 %	27.8 %	13.6 %	58.5 %	37.8 %	60.5 %	46.0 %	0.0 %	3.9 %	44.1 %	96.4 %	58.5 %	78.1 %	27.7 %	45.0 %
1991	24.2 %	20.2 %	27.8 %	10.1 %	63.2 %	37.1 %	61.0 %	51.4 %	0.0 %	0.0 %	42.7 %	96.2 %	60.3 %	94.2 %	30.4 %	46.1 %
1992	21.2 %	19.0 %	24.0 %	26.2 %	65.4 %	23.8 %	60.0 %	53.1 %	79.8 %	11.9 %	45.2 %	95.8 %	51.2 %	83.4 %	28.9 %	46.1 %
1993	20.6 %	17.6 %	24.1 %	34.1 %	64.9 %	24.8 %	58.1 %	58.7 %	81.8 %	11.5 %	47.5 %	39.6 %	34.7 %	89.4 %	29.2 %	46.6 %
1994	26.3 %	27.9 %	23.2 %	18.6 %	62.3 %	26.6 %	63.0 %	55.7 %	72.3 %	2.0 %	51.9 %	19.3 %	33.2 %	90.1 %	19.3 %	47.1 %

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	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 %	904
1987	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 %	996
1988	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 %	1,309
1989	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 %	1,580
1990	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 %	2,012
1991	2.3 %	0.7 %	8.2 %	0.4 %	5.7 %	0.9 %	35.2 %	22.5 %	0.0 %	0.0 %	16.9 %	1.1 %	2.6 %	1.6 %	1.9 %	2,270
1992	2.0 %	0.7 %	7.9 %	1.2 %	6.9 %	0.5 %	34.1 %	21.8 %	0.9 %	0.3 %	17.1 %	1.1 %	2.0 %	1.5 %	1.9 %	2,383
1993	1.7 %	0.6 %	8.6 %	2.1 %	7.4 %	0.4 %	30.2 %	25.4 %	1.0 %	0.3 %	16.2 %	0.2 %	1.8 %	2.3 %	1.7 %	2,452
1994	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 %	2,529

Source: IATA

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	5.2 %	3.0 %	50.7 %	5.2 %	0.7 %	11.2 %	23.1 %	0.7 %	134
1987	5.8 %	2.2 %	46.7 %	5.1 %	0.7 %	12.4 %	24.8 %	2.2 %	137
1988	4.5 %	2.3 %	50.0 %	4.5 %	1.5 %	10.6 %	25.0 %	1.5 %	132
1989	3.8 %	3.1 %	50.4 %	4.6 %	0.8 %	9.9 %	25.2 %	2.3 %	131
1990	5.3 %	3.0 %	49.6 %	3.8 %	0.8 %	10.5 %	25.6 %	1.5 %	133
1991	5.1 %	2.9 %	47.8 %	3.7 %	0.7 %	10.3 %	27.2 %	2.2 %	136
1992	4.9 %	2.8 %	44.8 %	4.2 %	0.7 %	9.8 %	29.4 %	3.5 %	143
1993	4.3 %	3.7 %	44.7 %	4.3 %	0.6 %	9.3 %	29.2 %	3.7 %	161
1994	6.0 %	6.6 %	38.9 %	3.0 %	0.6 %	9.0 %	32.9 %	3.0 %	167

EU-built Aircraft - Market Share in Geographical Zones

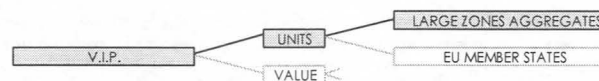
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	0.0 %	25.0 %	1.5 %	0.0 %	0.0 %	20.0 %	0.0 %	0.0 %	3.7 %
1987	12.5 %	0.0 %	1.6 %	0.0 %	0.0 %	17.6 %	5.9 %	0.0 %	5.1 %
1988	16.7 %	0.0 %	1.5 %	0.0 %	0.0 %	0.0 %	6.1 %	0.0 %	3.0 %
1989	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	6.1 %	0.0 %	1.5 %
1990	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.9 %	0.0 %	1.5 %
1991	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5.4 %	0.0 %	1.5 %
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	4.8 %	0.0 %	1.4 %
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	10.6 %	0.0 %	3.1 %
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	14.5 %	0.0 %	4.8 %

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	0.0 %	20.0 %	20.0 %	0.0 %	0.0 %	60.0 %	0.0 %	0.0 %	5
1987	14.3 %	0.0 %	14.3 %	0.0 %	0.0 %	42.9 %	28.6 %	0.0 %	7
1988	25.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	50.0 %	0.0 %	4
1989	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	2
1990	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	2
1991	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	2
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	2
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	5
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	8

Source: IFA

(this page)

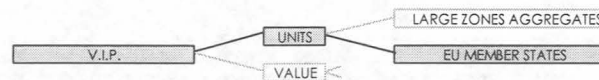


Top section: The world total fleet of V.I.P. jets in 1994 is 167 units. The part of the fleet that is registered within the EU represents 6.0 % of this volume.

Middle section: The overall share of EU built V.I.P. jets represents 4.8 % of the world fleet in this category in 1994. 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 8 units, all of them registered in Asia (100.0 %).

(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	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	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	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	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	20.0 %	80.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	5
1990	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	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	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	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	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

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	0.0 %	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	0.0 %
1987	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	12.5 %
1988	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	16.7 %
1989	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1990	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1991	-	-	-	-	-	-	0.0 %	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 %	-	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
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 %	1
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 %	1
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

Source: IATA

TABLE 3.10

WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: V.I.P. Jets

Value 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 Value
1986	4.6 %	2.8 %	45.9 %	5.8 %	1.2 %	7.7 %	31.2 %	0.7 %	556
1987	4.2 %	2.2 %	36.3 %	5.0 %	1.0 %	7.2 %	42.4 %	1.8 %	656
1988	3.3 %	2.1 %	37.5 %	4.1 %	1.5 %	6.4 %	43.9 %	1.2 %	601
1989	2.8 %	2.5 %	37.0 %	4.0 %	0.9 %	5.9 %	45.1 %	1.7 %	659
1990	3.5 %	2.4 %	35.5 %	3.3 %	0.9 %	6.3 %	47.2 %	1.0 %	705
1991	3.3 %	2.2 %	33.4 %	3.0 %	0.8 %	5.8 %	50.4 %	1.2 %	734
1992	2.9 %	1.8 %	28.4 %	3.3 %	0.7 %	5.0 %	55.5 %	2.4 %	833
1993	1.6 %	4.0 %	20.3 %	1.8 %	0.3 %	2.7 %	67.5 %	1.6 %	1,765
1994	1.8 %	3.9 %	18.3 %	1.2 %	0.3 %	2.1 %	71.3 %	1.2 %	2,146

EU-built Aircraft - Market Share in Geographical Zones

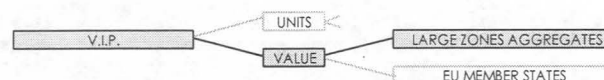
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	0.0 %	10.8 %	0.7 %	0.0 %	0.0 %	11.9 %	0.0 %	0.0 %	1.5 %
1987	6.4 %	0.0 %	0.7 %	0.0 %	0.0 %	11.2 %	36.9 %	0.0 %	17.0 %
1988	8.6 %	0.0 %	0.8 %	0.0 %	0.0 %	0.0 %	39.4 %	0.0 %	17.9 %
1989	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	35.0 %	0.0 %	15.8 %
1990	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	31.7 %	0.0 %	15.0 %
1991	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.7 %	0.0 %	14.5 %
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	23.3 %	0.0 %	13.0 %
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	33.6 %	0.0 %	22.7 %
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	41.7 %	0.0 %	29.7 %

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	0.0 %	20.0 %	20.0 %	0.0 %	0.0 %	60.0 %	0.0 %	0.0 %	8
1987	1.6 %	0.0 %	1.6 %	0.0 %	0.0 %	4.7 %	92.1 %	0.0 %	111
1988	1.6 %	0.0 %	1.6 %	0.0 %	0.0 %	0.0 %	96.8 %	0.0 %	107
1989	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	104
1990	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	106
1991	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	106
1992	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	108
1993	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	401
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	638

Source: IFA

(this page)

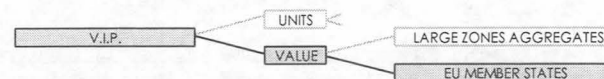


Top section: The total value of the world's fleet of V.I.P. jets in 1994 is 2,146 Mio. ECU. The part of the fleet that is registered within the EU represents 1.8 % of this value.

Middle section: The overall share of EU built V.I.P. jets represents 29.7 % of the world fleet's value in 1994. 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 638 Mio. ECU, all aircraft registered in Asia (100.0 %).

(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

Value 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 Value
1986	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	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 %	27
1988	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 %	20
1989	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 %	18
1990	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 %	25
1991	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 %	24
1992	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 %	24
1993	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 %	29
1994	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 %	39

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	0.0 %	-	-	-	-	-	-	0.0 %	-	-	-	-	-	-	-	0.0 %
1987	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	6.4 %
1988	0.0 %	-	-	-	-	-	100.0 %	0.0 %	-	-	-	-	-	-	-	8.6 %
1989	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1990	-	-	-	-	-	-	0.0 %	0.0 %	-	-	-	-	-	-	-	0.0 %
1991	-	-	-	-	-	-	0.0 %	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 %	-	-	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 Value
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
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 %	2
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 %	2
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

Source: IATA

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	7.9 %	1.6 %	77.8 %	3.2 %	3.2 %	2.1 %	3.2 %	1.1 %	5,860
1987	8.9 %	1.5 %	76.0 %	3.3 %	3.8 %	2.2 %	3.0 %	1.3 %	6,071
1988	10.1 %	1.9 %	73.6 %	3.7 %	4.0 %	2.3 %	2.9 %	1.4 %	6,260
1989	10.8 %	2.0 %	71.8 %	4.2 %	4.5 %	2.3 %	2.9 %	1.3 %	6,489
1990	12.2 %	2.1 %	69.5 %	4.7 %	5.1 %	2.4 %	2.9 %	1.2 %	6,792
1991	12.7 %	2.0 %	68.0 %	5.1 %	5.5 %	2.4 %	3.1 %	1.1 %	6,926
1992	12.6 %	2.1 %	66.6 %	6.2 %	5.9 %	2.5 %	3.1 %	1.1 %	7,171
1993	11.7 %	2.1 %	66.8 %	6.5 %	6.2 %	2.6 %	3.1 %	1.0 %	7,429
1994	11.4 %	2.3 %	67.0 %	6.4 %	6.5 %	2.3 %	3.4 %	0.8 %	8,109

EU-built Aircraft - Market Share in Geographical Zones

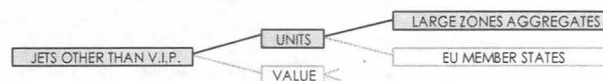
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	50.1 %	29.5 %	21.2 %	21.6 %	7.6 %	54.4 %	37.8 %	33.9 %	24.6 %
1987	47.9 %	33.0 %	21.5 %	20.7 %	7.5 %	52.6 %	39.1 %	40.8 %	24.9 %
1988	47.2 %	33.1 %	21.8 %	18.6 %	6.7 %	49.3 %	36.3 %	37.9 %	25.1 %
1989	47.7 %	33.1 %	21.8 %	15.8 %	7.5 %	47.3 %	37.2 %	33.7 %	25.1 %
1990	47.8 %	33.8 %	21.6 %	14.6 %	8.1 %	42.6 %	38.2 %	31.3 %	25.2 %
1991	47.8 %	37.4 %	21.4 %	16.1 %	9.1 %	41.1 %	36.7 %	26.0 %	25.1 %
1992	46.5 %	34.9 %	21.2 %	18.1 %	10.6 %	41.7 %	36.8 %	25.0 %	24.9 %
1993	48.0 %	29.9 %	20.9 %	19.4 %	11.3 %	44.0 %	36.9 %	28.0 %	24.7 %
1994	53.0 %	38.2 %	20.8 %	20.3 %	19.0 %	41.8 %	36.5 %	21.5 %	25.7 %

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	16.2 %	1.9 %	67.1 %	2.8 %	1.0 %	4.7 %	4.9 %	1.5 %	1,441
1987	17.2 %	2.0 %	65.5 %	2.7 %	1.1 %	4.6 %	4.8 %	2.0 %	1,514
1988	19.0 %	2.5 %	63.8 %	2.7 %	1.1 %	4.6 %	4.1 %	2.1 %	1,573
1989	20.6 %	2.7 %	62.2 %	2.6 %	1.4 %	4.3 %	4.4 %	1.8 %	1,629
1990	23.1 %	2.8 %	59.7 %	2.7 %	1.6 %	4.0 %	4.4 %	1.5 %	1,709
1991	24.2 %	3.0 %	57.9 %	3.3 %	2.0 %	3.9 %	4.6 %	1.2 %	1,738
1992	23.6 %	2.9 %	56.7 %	4.5 %	2.5 %	4.2 %	4.5 %	1.1 %	1,787
1993	22.7 %	2.5 %	56.5 %	5.1 %	2.8 %	4.6 %	4.7 %	1.1 %	1,838
1994	23.5 %	3.4 %	54.1 %	5.0 %	4.8 %	3.7 %	4.8 %	0.7 %	2,087

Source: IATA

(this page)

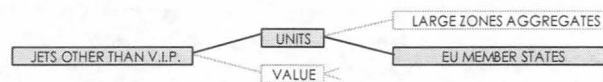


Top section: The world total fleet of jets (other than V.I.P.s) in 1994 is 8,109 units. 11.4 % of those are registered within the EU.

Middle section: The overall share of EU built jets represents 25.7 % of the world fleet in this category in 1994. In the EU fleet of jets, 53.0 % are EU built.

Bottom section: The total number of EU built jets is 2,087 units, 23.5 % of them registered in the EU, 54.1 % 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)

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	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	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	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	4.5 %	1.6 %	10.9 %	2.8 %	5.4 %	1.7 %	21.0 %	20.0 %	0.0 %	1.3 %	23.4 %	0.3 %	2.1 %	0.6 %	4.3 %	704
1990	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	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	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	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	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

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	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	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	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	18.8 %	27.3 %	32.5 %	25.0 %	68.4 %	16.7 %	81.1 %	55.3 %	-	11.1 %	30.3 %	100.0 %	46.7 %	75.0 %	26.7 %	47.7 %
1990	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	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	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	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	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 %

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	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	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	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	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	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	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	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	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	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

Source: IATA

TABLE 3.14 WORLD BUSINESS AIRCRAFT FLEET
Aircraft Category: Jets other than V.I.P.
Value 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 Value
1986	7.5 %	2.2 %	76.7 %	2.1 %	2.2 %	2.8 %	5.3 %	1.2 %	18,081
1987	8.3 %	2.1 %	75.7 %	2.0 %	2.7 %	2.8 %	5.0 %	1.5 %	19,259
1988	9.8 %	2.9 %	73.6 %	2.2 %	2.4 %	2.9 %	4.6 %	1.6 %	21,045
1989	10.5 %	3.1 %	71.7 %	2.4 %	2.7 %	2.8 %	5.1 %	1.8 %	23,897
1990	12.3 %	3.0 %	69.4 %	2.5 %	3.3 %	3.0 %	5.0 %	1.5 %	27,814
1991	13.4 %	2.9 %	67.6 %	2.8 %	3.7 %	3.0 %	5.3 %	1.3 %	28,886
1992	12.8 %	2.9 %	66.9 %	3.7 %	4.1 %	3.2 %	5.1 %	1.3 %	31,666
1993	12.2 %	3.0 %	66.9 %	4.1 %	4.4 %	3.2 %	5.2 %	1.1 %	33,788
1994	11.3 %	3.5 %	67.7 %	4.4 %	4.2 %	2.8 %	5.1 %	0.9 %	36,667

EU-built Aircraft - Market Share in Geographical Zones

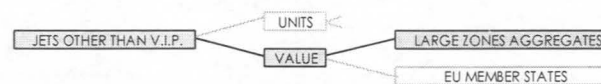
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	63.4 %	38.5 %	29.1 %	35.1 %	10.3 %	47.6 %	33.7 %	49.0 %	32.6 %
1987	60.1 %	47.9 %	29.8 %	33.9 %	10.7 %	49.3 %	35.0 %	56.0 %	33.4 %
1988	61.4 %	46.6 %	31.5 %	29.4 %	11.4 %	46.9 %	32.9 %	54.5 %	35.2 %
1989	61.1 %	43.2 %	30.1 %	26.3 %	13.2 %	48.7 %	34.7 %	57.2 %	34.5 %
1990	57.5 %	45.2 %	29.3 %	21.8 %	16.4 %	46.9 %	38.7 %	55.0 %	34.0 %
1991	57.5 %	46.2 %	29.2 %	24.6 %	18.7 %	49.7 %	38.3 %	47.8 %	34.3 %
1992	57.9 %	40.5 %	28.2 %	29.6 %	19.4 %	49.1 %	37.7 %	46.3 %	33.4 %
1993	57.6 %	34.7 %	27.1 %	28.7 %	19.2 %	50.0 %	37.9 %	47.8 %	32.3 %
1994	56.9 %	40.3 %	26.3 %	29.9 %	19.5 %	44.9 %	37.5 %	42.7 %	31.4 %

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	14.6 %	2.5 %	68.5 %	2.3 %	0.7 %	4.1 %	5.5 %	1.8 %	5,888
1987	14.9 %	3.0 %	67.5 %	2.1 %	0.9 %	4.1 %	5.2 %	2.5 %	6,434
1988	17.0 %	3.8 %	65.9 %	1.8 %	0.8 %	3.8 %	4.3 %	2.5 %	7,415
1989	18.7 %	3.9 %	62.6 %	1.8 %	1.0 %	4.0 %	5.1 %	2.9 %	8,240
1990	20.8 %	4.0 %	59.8 %	1.6 %	1.6 %	4.1 %	5.7 %	2.5 %	9,466
1991	22.4 %	3.9 %	57.6 %	2.0 %	2.0 %	4.3 %	5.9 %	1.8 %	9,899
1992	22.2 %	3.5 %	56.4 %	3.3 %	2.4 %	4.7 %	5.8 %	1.7 %	10,586
1993	21.7 %	3.2 %	56.2 %	3.6 %	2.6 %	5.0 %	6.1 %	1.7 %	10,914
1994	20.5 %	4.4 %	56.8 %	4.2 %	2.6 %	4.0 %	6.1 %	1.3 %	11,509

Source: IATA

(this page)

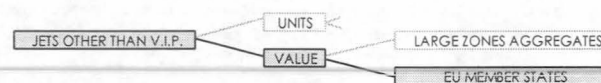


Top section: The total value of the world's fleet of small jets in 1994 is 36,667 Mio. ECU. The part of the fleet that is registered within the EU represents 11.3 % of this value.

Middle section: The overall share of EU built small jets represents 31.4 % of the world fleet's value in 1994. EU built jets account for 56.9 % of the EU fleet in this category.

Bottom section: The total value of EU built jets is 11,509 Mio. ECU, with 20.5 % of this value representing aircraft registered in the EU, 56.8 % 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 3.15

EU BUSINESS AIRCRAFT FLEET
Aircraft Category: Jets other than V.I.P.
Value 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 Value
1986	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 %	1,352
1987	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 %	1,590
1988	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 %	2,054
1989	4.8 %	1.8 %	9.0 %	1.5 %	4.4 %	1.0 %	23.7 %	18.5 %	0.0 %	1.6 %	26.4 %	1.0 %	2.6 %	0.7 %	2.8 %	2,521
1990	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 %	3,428
1991	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 %	3,862
1992	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 %	4,059
1993	4.5 %	1.0 %	13.8 %	2.2 %	5.7 %	0.7 %	21.8 %	22.6 %	0.6 %	1.7 %	18.8 %	0.2 %	2.6 %	1.5 %	2.4 %	4,107
1994	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 %	4,156

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	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	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	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	36.6 %	43.5 %	51.6 %	25.6 %	76.6 %	33.3 %	89.9 %	50.8 %	-	8.4 %	53.1 %	100.0 %	79.3 %	88.6 %	43.1 %	61.1 %
1990	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	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	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 %	39.6 %	57.9 %
1993	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	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 %

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	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 %	857
1987	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 %	956
1988	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 %	1,261
1989	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 %	1,539
1990	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 %	1,971
1991	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 %	2,220
1992	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 %	2,350
1993	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 %	2,364
1994	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 %	2,364

Source: IATA

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	7.0%	1.2%	76.0%	2.4%	6.6%	2.9%	2.2%	1.7%	7,642
1987	8.3%	1.3%	73.7%	2.5%	7.1%	3.1%	2.5%	1.6%	7,629
1988	9.3%	1.3%	71.0%	2.7%	7.9%	3.2%	2.6%	2.0%	7,711
1989	9.9%	1.4%	69.3%	2.8%	8.4%	3.3%	2.8%	2.1%	7,779
1990	10.7%	1.4%	67.2%	2.9%	9.4%	3.6%	2.9%	2.0%	7,894
1991	10.5%	1.4%	65.0%	3.3%	10.7%	4.0%	3.0%	2.1%	8,008
1992	10.7%	1.6%	64.0%	3.4%	11.2%	4.2%	3.1%	1.9%	8,000
1993	10.2%	1.9%	63.0%	3.3%	12.0%	4.4%	3.3%	1.9%	8,030
1994	9.9%	1.7%	62.8%	3.5%	12.5%	4.3%	3.5%	1.8%	8,094

EU-built Aircraft - Market Share in Geographical Zones

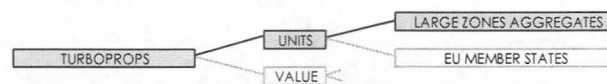
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	3.4%	1.1%	0.2%	1.6%	0.4%	5.8%	5.3%	0.8%	0.8%
1987	2.7%	1.0%	0.2%	1.6%	0.4%	5.6%	4.8%	0.8%	0.8%
1988	2.9%	1.0%	0.3%	1.4%	0.3%	5.3%	5.0%	0.6%	0.9%
1989	2.2%	1.8%	0.3%	1.4%	0.3%	5.0%	4.7%	0.6%	0.8%
1990	2.0%	1.8%	0.2%	1.3%	0.3%	4.6%	4.4%	0.6%	0.8%
1991	2.8%	7.2%	0.4%	1.5%	0.2%	4.3%	4.2%	0.6%	1.0%
1992	2.2%	14.5%	0.4%	1.1%	0.3%	3.9%	5.7%	0.7%	1.1%
1993	3.8%	18.1%	1.2%	1.1%	0.3%	3.7%	6.8%	1.3%	2.0%
1994	9.0%	3.7%	1.4%	1.1%	0.6%	5.4%	8.2%	1.4%	2.5%

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	29.5%	1.6%	23.0%	4.9%	3.3%	21.3%	14.8%	1.6%	61
1987	28.3%	1.7%	23.3%	5.0%	3.3%	21.7%	15.0%	1.7%	60
1988	31.3%	1.5%	23.9%	4.5%	3.0%	19.4%	14.9%	1.5%	67
1989	27.0%	3.2%	23.8%	4.8%	3.2%	20.6%	15.9%	1.6%	63
1990	27.9%	3.3%	21.3%	4.9%	3.3%	21.3%	16.4%	1.6%	61
1991	28.9%	9.6%	24.1%	4.8%	2.4%	16.9%	12.0%	1.2%	83
1992	20.9%	19.8%	22.0%	3.3%	3.3%	14.3%	15.4%	1.1%	91
1993	19.4%	17.5%	38.8%	1.9%	1.9%	8.1%	11.3%	1.3%	160
1994	35.5%	2.5%	36.0%	1.5%	3.0%	9.4%	11.3%	1.0%	203

Source: IATA

(this page)

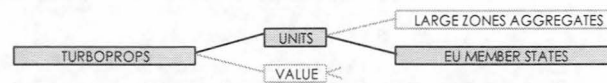


Top section: The world total fleet of turboprops in 1994 is 8,094 units. 9.9 % of those are registered within the EU.

Middle section: The overall share of EU built turboprops represents 2.5 % of the world fleet in this category in 1994. In the EU fleet of turboprops, 9.0 % are EU built.

Bottom section: The total number of EU built turboprops is 203 units, 35.5 % of them registered in the EU, 36.0 % 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	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	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	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	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	2.6 %	2.2 %	20.5 %	3.9 %	4.4 %	1.8 %	35.5 %	12.6 %	0.1 %	0.5 %	6.7 %	0.1 %	2.4 %	0.6 %	6.1 %	848
1991	2.7 %	2.4 %	23.1 %	3.9 %	4.2 %	1.8 %	34.5 %	10.9 %	0.1 %	0.6 %	7.5 %	0.1 %	2.0 %	0.6 %	5.6 %	843
1992	2.5 %	2.5 %	25.4 %	4.0 %	4.7 %	2.0 %	34.5 %	9.8 %	0.1 %	0.4 %	6.4 %	0.1 %	2.1 %	0.6 %	4.9 %	854
1993	2.4 %	2.4 %	27.2 %	4.8 %	5.1 %	1.8 %	33.4 %	8.7 %	0.1 %	0.4 %	6.4 %	0.1 %	1.7 %	0.6 %	4.8 %	817
1994	2.6 %	1.5 %	30.6 %	4.2 %	5.5 %	1.6 %	32.5 %	8.6 %	0.4 %	0.2 %	5.6 %	0.4 %	1.6 %	0.4 %	4.2 %	801

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	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	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	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	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	0.0 %	0.0 %	4.6 %	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	0.0 %	0.0 %	4.1 %	0.0 %	0.0 %	0.0 %	0.0 %	7.6 %	0.0 %	0.0 %	12.7 %	0.0 %	0.0 %	0.0 %	2.1 %	2.8 %
1992	0.0 %	0.0 %	1.8 %	0.0 %	0.0 %	0.0 %	0.0 %	11.9 %	0.0 %	0.0 %	9.1 %	0.0 %	0.0 %	0.0 %	0.0 %	2.2 %
1993	0.0 %	0.0 %	1.8 %	10.3 %	2.4 %	0.0 %	0.4 %	14.1 %	0.0 %	0.0 %	21.2 %	0.0 %	0.0 %	0.0 %	0.0 %	3.8 %
1994	9.5 %	0.0 %	7.3 %	0.0 %	4.5 %	0.0 %	6.2 %	26.1 %	0.0 %	0.0 %	28.9 %	33.3 %	15.4 %	0.0 %	0.0 %	9.0 %

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	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	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	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	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	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	0.0 %	0.0 %	33.3 %	0.0 %	0.0 %	0.0 %	0.0 %	29.2 %	0.0 %	0.0 %	33.3 %	0.0 %	0.0 %	0.0 %	4.2 %	24
1992	0.0 %	0.0 %	21.1 %	0.0 %	0.0 %	0.0 %	0.0 %	52.6 %	0.0 %	0.0 %	26.3 %	0.0 %	0.0 %	0.0 %	0.0 %	19
1993	0.0 %	0.0 %	12.9 %	12.9 %	3.2 %	0.0 %	3.2 %	32.3 %	0.0 %	0.0 %	35.5 %	0.0 %	0.0 %	0.0 %	0.0 %	31
1994	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

Source: IATA

TABLE 3.18

WORLD BUSINESS AIRCRAFT FLEET

Aircraft Category: Turboprops

Value 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 Value
1986	7.8 %	1.2 %	72.8 %	2.1 %	8.9 %	3.3 %	2.3 %	1.6 %	7,478
1987	9.2 %	1.3 %	70.1 %	2.1 %	9.6 %	3.5 %	2.6 %	1.6 %	7,392
1988	10.3 %	1.3 %	67.8 %	2.2 %	9.8 %	3.7 %	2.9 %	2.0 %	7,177
1989	10.9 %	1.4 %	65.6 %	2.4 %	10.5 %	4.0 %	3.0 %	2.1 %	7,567
1990	11.9 %	1.6 %	63.5 %	2.3 %	11.3 %	4.3 %	3.0 %	2.0 %	8,560
1991	11.6 %	1.7 %	61.7 %	2.6 %	12.2 %	4.9 %	3.1 %	2.1 %	8,905
1992	11.8 %	2.3 %	60.1 %	2.8 %	12.6 %	5.1 %	3.3 %	2.0 %	9,119
1993	11.5 %	2.3 %	59.9 %	2.7 %	12.7 %	5.2 %	3.6 %	2.1 %	9,816
1994	11.2 %	1.9 %	60.2 %	2.7 %	12.7 %	5.1 %	4.1 %	2.0 %	10,454

EU-built Aircraft - Market Share in Geographical Zones

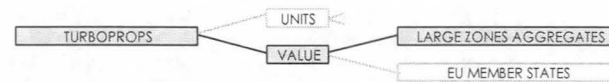
Year	EU 15	Other Europe	North America	Central America	South America	Africa	Asia	Australasia	World
1986	8.0 %	3.4 %	0.3 %	1.4 %	0.2 %	6.4 %	4.4 %	0.9 %	1.3 %
1987	5.7 %	2.6 %	0.3 %	1.3 %	0.2 %	5.4 %	3.4 %	0.8 %	1.1 %
1988	6.3 %	2.7 %	0.4 %	1.2 %	0.2 %	5.2 %	4.4 %	0.7 %	1.4 %
1989	5.0 %	4.7 %	0.4 %	0.9 %	0.1 %	4.7 %	3.8 %	0.7 %	1.2 %
1990	4.1 %	3.8 %	0.3 %	0.8 %	0.1 %	3.7 %	3.3 %	0.6 %	1.1 %
1991	4.8 %	14.7 %	0.7 %	0.9 %	0.1 %	3.2 %	2.8 %	0.6 %	1.6 %
1992	3.0 %	32.3 %	0.7 %	0.5 %	0.1 %	2.7 %	3.9 %	0.6 %	1.9 %
1993	7.8 %	20.8 %	1.6 %	0.4 %	0.1 %	2.8 %	5.5 %	1.4 %	2.7 %
1994	14.1 %	4.3 %	2.3 %	0.3 %	0.8 %	5.9 %	14.1 %	2.8 %	4.1 %

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	48.4 %	3.1 %	19.2 %	2.3 %	1.6 %	16.6 %	7.7 %	1.1 %	97
1987	47.0 %	3.1 %	19.8 %	2.4 %	1.6 %	17.0 %	8.0 %	1.2 %	82
1988	48.2 %	2.6 %	21.1 %	2.0 %	1.3 %	14.3 %	9.3 %	1.0 %	97
1989	44.6 %	5.5 %	20.7 %	1.8 %	1.2 %	15.4 %	9.5 %	1.2 %	92
1990	45.9 %	5.7 %	19.7 %	1.7 %	1.1 %	15.3 %	9.3 %	1.2 %	90
1991	36.0 %	15.9 %	29.2 %	1.6 %	0.7 %	10.2 %	5.7 %	0.8 %	138
1992	19.5 %	39.7 %	24.2 %	0.7 %	0.9 %	7.4 %	7.0 %	0.7 %	169
1993	32.9 %	18.0 %	34.4 %	0.4 %	0.6 %	5.3 %	7.4 %	1.1 %	267
1994	38.7 %	2.0 %	33.5 %	0.2 %	2.4 %	7.4 %	14.3 %	1.4 %	426

Source: IFA

(this page)



Top section: The total value of the world's fleet of turboprops in 1994 is 10,454 Mio. ECU. The part of the fleet that is registered within the EU represents 11.2 % of this value.

Middle section: The overall share of EU built turboprops represents 4.1 % of the world fleet's value in 1994. EU built turboprops account for 14.1 % of the EU fleet in this category.

Bottom section: The total value of EU built turboprops is 426 Mio. ECU, with 38.7 % of this value representing aircraft registered in the EU, 33.5 % 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

Value 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 Value
1986	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 %	585
1987	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 %	678
1988	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 %	737
1989	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 %	827
1990	2.3 %	4.1 %	21.5 %	3.6 %	2.7 %	1.6 %	36.2 %	14.9 %	0.2 %	0.6 %	4.7 %	0.1 %	2.1 %	0.2 %	5.2 %	1,018
1991	2.6 %	4.2 %	23.9 %	3.4 %	2.7 %	1.6 %	35.3 %	12.9 %	0.2 %	0.4 %	6.1 %	0.1 %	1.9 %	0.2 %	4.6 %	1,036
1992	2.3 %	4.4 %	26.5 %	3.8 %	3.3 %	1.6 %	35.1 %	11.6 %	0.2 %	0.3 %	4.6 %	0.1 %	2.1 %	0.2 %	4.0 %	1,080
1993	2.1 %	4.0 %	27.4 %	5.5 %	3.8 %	1.4 %	33.0 %	10.3 %	0.2 %	0.4 %	5.8 %	0.1 %	1.8 %	0.2 %	4.0 %	1,125
1994	2.1 %	3.1 %	32.7 %	4.0 %	3.9 %	1.1 %	31.3 %	9.6 %	0.5 %	0.3 %	6.0 %	0.2 %	1.8 %	0.2 %	3.2 %	1,173

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	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	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	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	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	0.0 %	0.0 %	9.5 %	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	0.0 %	0.0 %	8.9 %	0.0 %	0.0 %	0.0 %	0.0 %	11.6 %	0.0 %	0.0 %	15.6 %	0.0 %	0.0 %	0.0 %	5.3 %	4.8 %
1992	0.0 %	0.0 %	3.4 %	0.0 %	0.0 %	0.0 %	0.0 %	15.4 %	0.0 %	0.0 %	8.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.0 %
1993	0.0 %	0.0 %	2.9 %	27.8 %	10.1 %	0.0 %	1.2 %	20.0 %	0.0 %	0.0 %	46.0 %	0.0 %	0.0 %	0.0 %	0.0 %	7.8 %
1994	11.2 %	0.0 %	14.2 %	0.0 %	12.9 %	0.0 %	7.8 %	27.9 %	0.0 %	0.0 %	56.7 %	19.3 %	5.3 %	0.0 %	0.0 %	14.1 %

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	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 %	47
1987	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 %	38
1988	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 %	47
1989	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 %	41
1990	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 %	41
1991	0.0 %	0.0 %	44.0 %	0.0 %	0.0 %	0.0 %	0.0 %	31.1 %	0.0 %	0.0 %	19.9 %	0.0 %	0.0 %	0.0 %	5.0 %	50
1992	0.0 %	0.0 %	29.2 %	0.0 %	0.0 %	0.0 %	0.0 %	58.7 %	0.0 %	0.0 %	12.2 %	0.0 %	0.0 %	0.0 %	0.0 %	33
1993	0.0 %	0.0 %	10.0 %	19.6 %	4.9 %	0.0 %	4.9 %	26.4 %	0.0 %	0.0 %	34.1 %	0.0 %	0.0 %	0.0 %	0.0 %	88
1994	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 %	165

Source: IFA

JETS

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

TURBOPROPS

Agusta	SF600 Canguro
Cessna Aircraft (Textron)	208 Caravan I • 208B Caravan IB • 425 Conquest I • 441 Conquest II
Embraer	EMB-810D (Piper Seneca II)
Fairchild Aircraft	SA227AT/TT/23 Merlin
Partenavia¹	AP 68TP-600 Viator
Pilatus Aircraft²	PC-12 • PC-6/B2-H4 Turbo Porter
Pilatus Britten-Norman	BN-2T Turbine Islander
Piper Aircraft	PA-31T-500 Cheyenne IA • PA-31T-620 Cheyenne IIXL • PA-42-1000 Cheyenne 400 • PA-42-720 Cheyenne IIIA
Raytheon Aircraft Company	1900E Executive • 2000 Starship 1 • King Air C90/F90 • Super King Air 200/200CT • Super King Air 300/300LW • Super King Air 350
Reims Aviation	406 Caravan II
Rinaldo Piaggio	P166-DL3 • P180 Avanti
TBM (Socata/Mooney)	TBM700

PISTON ENGINES

Cessna Aircraft (Textron)	402C Businessliner • 414A Chancellor, B36TC, F33A/F33C
Lake Aircraft	LA-250 Renegade
Partenavia¹	P68C/P68C-TC
Pilatus Britten-Norman	BN-2B Islander
Piper Aircraft³	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-46-310P Malibu • PA-46-350P Malibu Mirage
Raytheon Aircraft Company	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 3.21

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	16.5 %	72.3 %	11.2 %	278	11.4 %	88.6 %	0.0 %	184	0.8 %	99.2 %	0.0 %	244	706

Sources: 1986-91: Interavia/Aerospace World; 1992-94: IATA

The aircraft included are listed on the previous page.

TABLE 3.21

EU Light Aircraft Fleet by Propulsion Type

	Units												Market Share of EU-designed ¹ Aircraft (%)													
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU 12	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU 12
<i>Single-Engine</i>																										
1985	625	5,470	702	224	4,728	4,771	107	239	1,221	43	393	212	18,735	38.1	38.4	26.1	28.1	67.8	48.6	36.4	56.5	55.4	30.2	14.5	24.5	48.5
1986	599	5,488	679	433	4,846	4,745	106	249	1,235	43	408	232	19,063	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	635	5,578	685	657	4,913	5,081	109	196	1,239	43	439	237	19,812	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	659	5,739	725	842	4,932	4,246	105	273	1,246	50	435	251	19,503	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	730	5,902	819	875	5,037	4,587	110	290	1,296	53	467	272	20,438	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	824	6,663	737	1,053	5,263	5,038	113	326	1,319	54	513	295	22,198	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	881	6,554	703	1,114	5,420	4,890	142	294	1,367	54	513	332	22,264	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	857	6,838	705	1,160	5,492	5,120	145	250	1,390	54	536	384	22,931	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	691	6,997	710	1,207	5,417	5,125	169	254	1,374	54	547	379	22,924	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
<i>Twin-Engine</i>																										
1985	51	652	183	31	561	958	10	28	234	7	63	31	2,809	7.8	8.6	16.4	9.7	7.5	19.5	90.0	14.3	26.1	0.0	6.3	0.0	14.2
1986	76	674	190	64	619	776	10	37	262	9	82	33	2,832	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	67	718	195	98	623	784	11	31	265	8	71	34	2,905	3.0	7.7	11.3	9.2	5.8	13.1	63.6	19.4	24.9	0.0	8.5	14.7	10.9
1988	71	738	185	137	691	756	6	38	273	8	89	35	3,027	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	75	722	173	194	719	798	6	38	282	9	89	36	3,141	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	94	719	155	222	780	863	21	41	288	11	92	37	3,323	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	94	882	174	203	795	788	34	41	285	14	104	37	3,451	6.4	7.1	13.8	13.3	6.2	10.8	26.5	14.6	24.6	28.6	9.6	5.4	10.3
1992	82	887	167	209	789	756	35	35	239	13	96	42	3,350	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	3	902	164	214	719	703	37	37	255	11	83	41	3,169	66.7	7.5	11.0	14.0	3.5	12.2	10.8	16.2	27.8	36.4	13.3	12.2	10.4
<i>Executive Jet</i>																										
1985	3	48	14	0	65	72	0	3	64	1	13	1	284	33.3	43.8	28.6	0.0	73.8	77.8	0.0	66.7	57.8	100.0	30.8	0.0	61.3
1986	6	48	10	6	71	70	0	3	80	0	5	0	299	0.0	29.2	40.0	83.3	81.7	75.7	0.0	66.7	51.3	0.0	60.0	0.0	60.2
1987	4	70	10	13	73	75	0	2	86	1	7	0	341	0.0	27.1	40.0	76.9	80.8	69.3	0.0	50.0	47.7	100.0	57.1	0.0	56.0
1988	5	62	16	21	87	79	0	3	109	1	7	1	391	0.0	41.9	50.0	81.0	80.5	75.9	0.0	66.7	39.4	100.0	57.1	0.0	59.1
1989	5	56	21	25	98	73	0	2	123	0	8	3	414	0.0	39.3	52.4	80.0	80.6	65.8	0.0	0.0	50.4	0.0	50.0	100.0	60.1
1990	5	150	14	30	132	86	0	3	127	0	9	3	559	0.0	42.0	28.6	80.0	84.1	64.0	0.0	0.0	30.7	0.0	44.4	100.0	54.2
1991	5	86	24	67	129	89	0	4	139	0	9	3	555	0.0	30.2	16.7	46.3	86.0	66.3	0.0	0.0	37.4	0.0	44.4	100.0	52.3
1992	10	108	28	39	126	90	0	2	158	0	9	4	574	20.0	38.0	28.6	71.8	87.3	72.2	0.0	0.0	20.9	0.0	44.4	75.0	51.2
1993	8	104	14	29	126	93	1	2	92	0	9	4	482	12.5	37.5	28.6	75.9	83.3	75.3	100.0	0.0	30.4	0.0	33.3	100.0	57.5

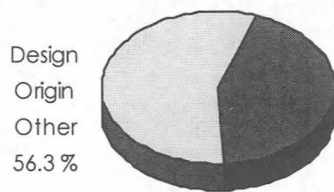
1) US-designed aircraft built under licence in Europe not included.

Source: Bureau Veritas

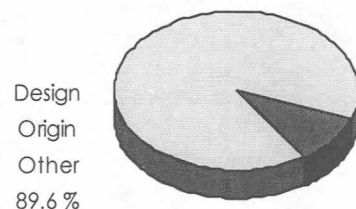
Note Data for Belgium (1988-91), Denmark (1988, 1990), Germany (1992-93), Greece (1986), Portugal (1993) and Spain (1986-90) are partly estimated.

CHART 3.1

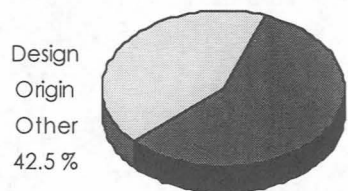
EU Light Aircraft Fleet 1993 Categories Breakdown by Design Origin in % of Total Units



SINGLE-ENGINE



TWIN-ENGINE



EXECUTIVE JET

Source: Bureau Veritas

Chapter 4

Civil and Para-public Helicopters

The figures on the **civil and para-public¹ 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, DGAC, JCAB, etc. For countries where no listing is available, commercial publications such as Air Britten or databases of local Eurocopter Commercial network have been used.

The study includes helicopters in service, i.e. helicopters that are registered to a final customer. "White tails" are thus excluded. Para-public helicopters are included when they have a civil registration².

The analysis covers the following

Geographical areas

- *EU12*
including all States with full membership in 1994;
- *Other Europe*
including Albania, Austria, Bulgaria, Cyprus, Czech Republic, Finland, Greenland, Hungary, Iceland, Liechtenstein, Malta, Monaco, Norway, Poland, Romania, Sweden, Switzerland, Turkey, ex Yugoslavia;
- *USA*;
- *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 (≤ 2.7 Tonnes; 1 - 8 seats)*
Examples in this category: AS-350 Ecureuil I; Bell 206
- *Light twin turbine (≤ 2.7 Tonnes; 1 - 8 seats)*
AS-355 Ecureuil II; Bell 206 LT
- *Medium turbine (2.7 - 6 Tonnes; 9 - 15 seats)*
SA-365 Dauphin; Sikorsky S76
- *Heavy turbine (6 - 11 Tonnes; 16 - 32 seats)*
AS-332 Super Puma; Sikorsky S61
- *Very heavy turbine (> 11 Tonnes; > 32 seats)*
EH-101; Boeing 234

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.

¹ Aircraft used by public authorities such as Coast Guards, Militia, Gendarmeries, Bundesgrenzschutz, Fishery Surveillance.

² Civil registered helicopters used by public authorities and/or held in military inventories may be double counted as they would also appear in Chapter 7 - Military Helicopters.

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

For *aircraft no longer in production*, all values are based on price information given by "The Official Helicopter Blue Book"³ 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 used⁴ 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 aircraft⁵. However, a special 1.05 coefficient has been applied to some dedicated aircraft such as the Lama B-204⁶, or the K-Max, due to their limited applications.

³ Published by HeliValue Inc., Lincolnshire, Illinois, USA.

⁴ 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 of functioning, wherefore the mid time prices are used.

⁵ 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

⁶ 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.

For *aircraft still in production*, the value is obtained by weighting the official 1995 price for a standard non equipped 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 value⁷ has been computed and weighted by the usual coefficients;
- for *aircraft delivered between 1980 and 1992*, the weighted value given by The Blue Book for a mid time aircraft year by year;
- for *aircraft delivered in 1993 - 1994*, the weighted value of a new aircraft as published by the manufacturers has been used.

Values are presented in Million ECU.

⁷ 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 / Soloy	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 1995

Design Origin EU				Design Origin Other							
Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1995 Mio ECU	Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1995 Mio ECU	Manufacturer and Model	No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1995 Mio ECU
AGUSTA				EUROCOPTER (Continued)				KAMOV			
A 109 A+	8	1975 - 1985	0.527	BK 117 B1/B2	8	1987 -	2.496	KA-32	18	1980 -	1.953
A 109 C	8	1989 -	2.476	BK 117 CI	8	1992 -	2.752	MIL			
A 109 K2	8	1991 -	3.119	BO 105 CBS	5	1977 -	1.552	MI-8	30	1963 -	1.147
EUROCOPTER				BO 105 CBS 5	5	1993 -	1.651	MI-17	30	1976 -	1.911
Alouette II (SA318)	5	1957 - 1980	0.069	BO 105 LS	5	1986 -	1.724	PZL			
Alouette III (SA316)	7	1964 - 1984	0.256	Gazelle-SA341 G	5	1972 - 1980	0.199	Sokol	14	1989 -	2.385
Alouette III (SA319)	7	1973 - 1976	0.229	Lama (SA315)	5	1972 - 1988	0.367				
AS332 C	19	1981 -	0.741	Puma (SA330)	21	1976 - 1980	1.483				
AS332 L2	27	1992 -	9.356	SA360	10	1976 - 1984	0.359				
AS332 LI	23	1985 -	8.140	WESTLAND							
AS350 B	6	1978 - 1992	0.371	W30	19	1982 - 1989	0.405				
AS350 B I	6	1986 - 1990	0.558								
AS350 B2	6	1990 -	0.910								
AS350 BA	6	1992 -	0.772								
AS350 D	6	1978 - 1987	0.283								
AS355 F I	6	1983 - 1989	0.409								
AS355 F2	6	1986 -	1.437								
AS355 N	6	1989 -	1.632								
AS365 C	10	1978 - 1981	0.772								
AS365 N1	13	1987 - 1989	1.995								
AS365 N2	13	1990 -	3.738								

Source: EUROCOPTER

TABLE 4.2

CIVIL HELICOPTERS - INDICATIVE VALUES 1995

Design Origin USA

				Design Origin USA										
Manufacturer and Model		No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1995 Mio ECU	Manufacturer and Model		No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1995 Mio ECU	Manufacturer and Model		No. of Seats (Standard incl. pilot)	Year(s) of Production	Value 1995 Mio ECU
AGUSTA - BELL				BELL / SOLOY				ROBINSON						
AB-204B	10	1961 - 1975	0.562	B-47 Turbine	3	1978 - 1983	0.122	R-22	2	1979 - 1981	0.034			
AB-205A-1	15	1964 - 1978	0.753	BOEING - VERTOL				R-22 Alpha	2	1983 - 1985	0.497			
AB-206	5	1966 -	0.218	BV 234	25	1981 - 1986	5.733	R-22 Beta	2	1985 -	0.099			
AB-212	15	1972 -	3.730	BRANTLY				R-22HP	2	1981 - 1983	0.046			
AB-412	15	1983 -	4.105	305	5	1965 - 1981	0.023	R-44 Astro	4	1993 -	0.180			
AB-47	3	1954 - 1978	0.065	B2B	2	1959 - 1981	0.015	ROGERSON						
BELL				ENSTRÖM				FH-1100						
B-204B	10	1965 - 1967	0.562	F-280F	3	1980 -	0.191	SCHWEIZER						
B-205A-1	15	1968 - 1980	0.753	F-28A	3	1966 - 1975	0.294	330	4	1993 -	0.382			
B-206 A	5	1967 - 1971	0.145	F-28C	3	1976 - 1982	0.550	269 A	2	1959 - 1966	0.310			
B-206 B	5	1967 - 1977	0.218	F-28F	3	1981 -	0.176	269 B	2	1964 - 1969	0.375			
B-206 B-3	5	1977 -	0.585	F-480	4	1994 -	0.405	300 C	2	1970 -	0.161			
B-206 L3	7	1975 - 1992	0.547	HILLER				SIKORSKY						
B-206 L4	7	1992 -	0.898	UH-12D	3	1957 - 1962	0.214	S-55	12	1952 - 1961	0.000			
B-206 LT Twin Ranger	7	1994 -	1.452	UH-12E	3	1959 - 1983	0.562	S-58	20	1955 - 1968	0.099			
B-212	15	1970 -	3.730	UH-12E4	4	1962 - 1983	0.497	S-58T	20	1971 - 1977	0.558			
B-214 B	16	1976 - 1981	0.913	UH-12E4T	4	1975 - 1983	0.118	S-61 N	28	1963 - 1979	2.064			
B-214 ST	20	1982 - 1990	2.354	UH-12ET	3	1975 - 1983	0.111	S-64	3	1962 - 1976	3.669			
B-222 B	10	1982 - 1985	0.837	KAMAN				S-76A+	14	1989 - 1990	2.083			
B-222 UT	10	1983 - 1986	0.929	K-Max	1	1995 -	2.809	S-76A/Mk II	14	1979 - 1986	1.131			
B-230	10	1992 -	3.367	MCDONNELL DOUGLAS				S-76B	14	1985 -	5.045			
B-412	15	1981 -	4.105	369/500	5	1969 - 1974	0.138	S-76C	14	1991 -	3.440			
B-47 G2	3	1947 - 1963	0.046	500 C	5	1969 - 1977	0.172							
B-47G-3B/B1/B2	3	1963 - 1973	0.065	500 D	5	1976 - 1982	0.233							
B-47G-4/4A	3	1964 - 1971	0.566	500 E	5	1983 -	0.585							
B-47G-5/5A	3	1966 - 1973	0.543	500 N	5	1991 -	0.676							
B-47J-2	4	1957 - 1966	0.394	530 FF	5	1985 -	0.799							
				MD900	8	1994 -	2.897							

Source: EUROCOPTER

TABLE 4.3 (a)

WORLD CIVIL AND PARA-PUBLIC HELICOPTER FLEET
 (Units at Year-end)

	Europe										North America						Rest of World					
	EU12					Other Europe					USA				Canada		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		Design Origin US	Units	Design Origin EU	US built	EU built under US licence	Design Origin Other	Units	
	%	%	%	%			%	%	%	%			%	%								%
1960	22.7 %	29.0 %	48.3 %	-	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1965	33.0 %	36.9 %	30.0 %	-	406	-	-	-	-	-	-	0.6 %	99.2 %	0.2 %	1,854	-	-	-	-	-	-	
1970	27.6 %	40.0 %	32.4 %	-	598	-	-	-	-	-	-	1.1 %	98.9 %	0.0 %	2,980	-	-	-	-	-	-	
1975	32.7 %	45.3 %	22.0 %	-	1,023	-	-	-	-	-	-	3.3 %	96.7 %	0.0 %	4,803	-	-	-	-	-	-	
1980 r	35.8 %	39.9 %	22.7 %	1.7 %	1,501	14.5 %	45.7 %	23.9 %	15.9 %	510	6.3 %	93.7 %	0.0 %	7,192	6.3 %	93.7 %	1,263	14.5 %	79.3 %	2.3 %	3.8 %	2,792
1981 r	37.2 %	41.0 %	20.2 %	1.5 %	1,636	15.2 %	47.2 %	22.5 %	15.2 %	561	7.5 %	92.5 %	0.0 %	7,675	7.3 %	92.7 %	1,323	16.2 %	78.4 %	2.2 %	3.2 %	3,112
1982 r	38.1 %	40.3 %	20.1 %	1.5 %	1,720	18.5 %	45.0 %	21.4 %	15.2 %	585	8.4 %	91.5 %	0.0 %	7,885	8.2 %	91.8 %	1,259	17.8 %	77.4 %	1.9 %	2.9 %	3,334
1983 r	40.7 %	38.7 %	19.2 %	1.4 %	1,781	22.1 %	43.0 %	19.8 %	15.1 %	602	8.6 %	91.4 %	0.0 %	8,115	8.8 %	91.2 %	1,208	19.2 %	76.3 %	1.9 %	2.7 %	3,391
1984 r	42.3 %	37.8 %	18.5 %	1.4 %	1,817	24.4 %	40.9 %	18.6 %	16.0 %	618	8.9 %	91.0 %	0.0 %	8,379	8.6 %	91.4 %	1,118	20.0 %	75.5 %	2.0 %	2.5 %	3,532
1985 r	43.9 %	37.1 %	17.6 %	1.3 %	1,867	25.4 %	39.8 %	17.7 %	17.1 %	633	9.5 %	90.4 %	0.0 %	8,517	9.1 %	90.9 %	1,086	20.6 %	75.0 %	2.0 %	2.4 %	3,593
1986 r	44.1 %	37.7 %	16.9 %	1.3 %	1,958	26.8 %	40.3 %	16.6 %	16.3 %	663	10.3 %	89.7 %	0.0 %	8,540	9.7 %	90.3 %	1,084	22.1 %	73.7 %	1.9 %	2.3 %	3,691
1987 r	43.7 %	39.0 %	16.1 %	1.2 %	2,108	28.3 %	42.1 %	14.9 %	14.7 %	743	10.7 %	89.3 %	0.0 %	8,374	10.5 %	89.5 %	1,106	23.2 %	73.0 %	1.8 %	2.1 %	3,926
1988 r	42.4 %	42.8 %	13.7 %	1.1 %	2,339	28.3 %	44.3 %	13.6 %	13.8 %	777	10.9 %	89.1 %	0.0 %	8,181	11.0 %	89.0 %	1,157	23.3 %	73.4 %	1.6 %	1.7 %	4,206
1989 r	40.4 %	45.9 %	12.7 %	1.0 %	2,629	28.2 %	45.7 %	12.8 %	13.3 %	827	10.9 %	89.1 %	0.1 %	8,311	11.3 %	88.8 %	1,200	23.9 %	73.0 %	1.5 %	1.6 %	4,424
1990 r	39.7 %	48.4 %	11.1 %	0.9 %	2,829	29.5 %	45.0 %	12.2 %	13.2 %	868	10.9 %	89.0 %	0.1 %	8,481	11.5 %	88.5 %	1,301	25.1 %	72.2 %	1.3 %	1.3 %	4,707
1991 r	39.2 %	49.2 %	10.4 %	1.2 %	3,013	30.5 %	45.5 %	11.0 %	12.9 %	905	11.0 %	88.9 %	0.1 %	8,646	12.8 %	87.2 %	1,319	25.6 %	71.8 %	1.3 %	1.3 %	4,948
1992 r	38.6 %	50.1 %	9.7 %	1.6 %	3,160	30.2 %	46.6 %	9.6 %	13.5 %	954	11.1 %	88.8 %	0.1 %	8,723	13.6 %	86.4 %	1,402	25.8 %	71.6 %	1.3 %	1.3 %	5,075
1993 r	39.2 %	50.2 %	9.6 %	1.1 %	3,202	30.8 %	45.8 %	9.3 %	14.1 %	967	11.2 %	88.7 %	0.1 %	8,969	13.1 %	86.9 %	1,476	25.3 %	71.7 %	1.3 %	1.6 %	5,227
1994 r	38.9 %	50.3 %	9.8 %	1.0 %	3,297	31.2 %	46.6 %	8.6 %	13.6 %	985	11.7 %	88.2 %	0.1 %	9,059	14.0 %	86.0 %	1,518	25.0 %	72.1 %	1.3 %	1.6 %	5,497

r Revised

Source: EUROCOPTER

TABLE 4.3 (b)

EU12 CIVIL AND PARA-PUBLIC HELICOPTER FLEET
(Units at Year-end)

	BE					DE					DK					ES					FR					GB				
	Design Origin US					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	Design Origin	EU US built	EU built under US licence	Design Origin Other	Units
1980 r	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	59.9 %	18.8 %	21.2 %	0.0 %	382	11.4 %	58.1 %	30.5 %	0.0 %	430
1981 r	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	62.9 %	18.6 %	18.6 %	0.0 %	404	11.1 %	61.8 %	27.1 %	0.0 %	469
1982 r	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	62.6 %	18.7 %	18.7 %	0.0 %	438	14.4 %	59.5 %	26.1 %	0.0 %	479
1983 r	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	64.2 %	17.6 %	18.2 %	0.0 %	444	20.4 %	57.4 %	22.2 %	0.0 %	486
1984 r	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	64.3 %	17.8 %	17.8 %	0.0 %	460	23.1 %	56.5 %	20.4 %	0.0 %	481
1985 r	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	67.4 %	16.3 %	16.3 %	0.0 %	472	24.2 %	57.5 %	18.3 %	0.0 %	492
1986 r	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	66.0 %	17.5 %	16.5 %	0.0 %	486	26.2 %	57.4 %	16.4 %	0.0 %	507
1987 r	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	63.1 %	21.0 %	16.0 %	0.0 %	539	25.0 %	60.1 %	14.9 %	0.0 %	531
1988 r	45.5 %	50.0 %	4.5 %	0.0 %	22	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	58.5 %	27.4 %	14.1 %	0.0 %	617	22.8 %	64.4 %	12.8 %	0.0 %	624
1989 r	58.8 %	41.2 %	0.0 %	0.0 %	17	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	56.7 %	30.3 %	13.0 %	0.0 %	693	20.9 %	69.1 %	10.0 %	0.0 %	747
1990 r	40.9 %	50.0 %	9.1 %	0.0 %	22	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	55.1 %	32.8 %	12.1 %	0.0 %	759	20.8 %	70.7 %	8.6 %	0.0 %	818
1991 r	27.8 %	63.9 %	8.3 %	0.0 %	36	36.6 %	48.9 %	8.0 %	6.4 %	560	14.6 %	81.3 %	4.2 %	0.0 %	48	45.9 %	40.3 %	13.9 %	0.0 %	231	56.4 %	33.2 %	10.4 %	0.0 %	792	21.4 %	70.4 %	8.1 %	0.0 %	802
1992 r	25.0 %	68.2 %	6.8 %	0.0 %	44	33.5 %	51.6 %	6.9 %	8.1 %	642	17.6 %	78.4 %	3.9 %	0.0 %	51	48.2 %	39.4 %	12.4 %	0.0 %	249	56.8 %	33.5 %	9.7 %	0.0 %	814	22.3 %	70.0 %	7.7 %	0.0 %	763
1993 r	19.6 %	72.5 %	7.8 %	0.0 %	51	35.3 %	53.2 %	6.5 %	5.1 %	666	15.7 %	80.4 %	3.9 %	0.0 %	51	46.6 %	41.3 %	12.1 %	0.0 %	264	56.3 %	34.1 %	9.6 %	0.0 %	830	23.3 %	69.3 %	7.3 %	0.0 %	724
1994 r	20.4 %	71.4 %	8.2 %	0.0 %	49	35.3 %	53.4 %	6.4 %	4.8 %	683	15.1 %	81.1 %	3.8 %	0.0 %	53	46.4 %	41.6 %	12.0 %	0.0 %	274	56.3 %	34.0 %	9.6 %	0.0 %	843	23.8 %	69.0 %	7.2 %	0.0 %	732

r Revised

Source: EUROCOPTER

TABLE 4.3 (c)

EU12 CIVIL AND PARA-PUBLIC HELICOPTER FLEET
 (Units at Year-end)

	GR					IE					IT					LU					NL					PT				
	Design Origin US					Design Origin US					Design Origin US					Design Origin US					Design Origin US					Design Origin US				
	Design Origin EU	EU built US	licence	Other	Units	Design Origin EU	EU built US	licence	Other	Units	Design Origin EU	EU built US	licence	Other	Units	Design Origin EU	EU built US	licence	Other	Units	Design Origin EU	EU built US	licence	Other	Units	Design Origin EU	EU built US	licence	Other	Units
1980 r	27.8 %	55.6 %	16.7 %	0.0 %	18	7.7 %	76.9 %	15.4 %	0.0 %	13	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
1981 r	30.0 %	55.0 %	15.0 %	0.0 %	20	6.7 %	53.3 %	40.0 %	0.0 %	15	43.3 %	27.4 %	29.3 %	0.0 %	157	-	-	-	-	0	54.8 %	45.2 %	0.0 %	0.0 %	31	0.0 %	100.0 %	0.0 %	0.0 %	7
1982 r	29.2 %	58.3 %	12.5 %	0.0 %	24	7.1 %	57.1 %	35.7 %	0.0 %	14	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
1983 r	39.1 %	52.2 %	8.7 %	0.0 %	23	15.4 %	53.8 %	30.8 %	0.0 %	13	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
1984 r	32.0 %	56.0 %	12.0 %	0.0 %	25	14.3 %	57.1 %	28.6 %	0.0 %	14	44.4 %	21.0 %	34.6 %	0.0 %	205	-	-	-	-	0	50.0 %	47.5 %	2.5 %	0.0 %	40	11.1 %	88.9 %	0.0 %	0.0 %	9
1985 r	32.0 %	64.0 %	4.0 %	0.0 %	25	18.8 %	56.3 %	25.0 %	0.0 %	16	45.3 %	19.3 %	35.4 %	0.0 %	212	-	-	-	-	0	48.8 %	48.8 %	2.4 %	0.0 %	41	11.1 %	88.9 %	0.0 %	0.0 %	9
1986 r	24.0 %	72.0 %	4.0 %	0.0 %	25	20.0 %	60.0 %	20.0 %	0.0 %	15	46.6 %	19.8 %	33.6 %	0.0 %	232	-	-	-	-	0	44.2 %	53.5 %	2.3 %	0.0 %	43	22.2 %	77.8 %	0.0 %	0.0 %	9
1987 r	21.2 %	72.7 %	6.1 %	0.0 %	33	18.8 %	62.5 %	18.8 %	0.0 %	16	49.4 %	20.8 %	29.7 %	0.0 %	269	-	-	-	-	0	42.9 %	54.3 %	2.9 %	0.0 %	35	28.6 %	71.4 %	0.0 %	0.0 %	14
1988 r	21.6 %	73.0 %	5.4 %	0.0 %	37	17.4 %	65.2 %	17.4 %	0.0 %	23	51.2 %	26.9 %	21.9 %	0.0 %	297	-	-	-	-	0	31.3 %	65.6 %	3.1 %	0.0 %	32	59.1 %	40.9 %	0.0 %	0.0 %	22
1989 r	25.0 %	70.0 %	5.0 %	0.0 %	40	19.2 %	65.4 %	15.4 %	0.0 %	26	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
1990 r	28.2 %	69.2 %	2.6 %	0.0 %	39	13.3 %	76.7 %	10.0 %	0.0 %	30	51.3 %	30.7 %	18.0 %	0.0 %	355	-	-	-	-	0	30.6 %	69.4 %	0.0 %	0.0 %	36	56.7 %	43.3 %	0.0 %	0.0 %	30
1991 r	26.8 %	70.7 %	2.4 %	0.0 %	41	7.1 %	85.7 %	7.1 %	0.0 %	28	47.8 %	32.2 %	20.0 %	0.0 %	404	-	-	-	-	0	26.3 %	73.7 %	0.0 %	0.0 %	38	54.5 %	45.5 %	0.0 %	0.0 %	33
1992 r	18.4 %	79.6 %	2.0 %	0.0 %	49	10.8 %	78.4 %	10.8 %	0.0 %	37	45.2 %	35.7 %	19.0 %	0.0 %	431	0.0 %	100.0 %	0.0 %	0.0 %	2	29.3 %	70.7 %	0.0 %	0.0 %	41	32.4 %	67.6 %	0.0 %	0.0 %	37
1993 r	23.5 %	72.5 %	3.9 %	0.0 %	51	10.8 %	78.4 %	10.8 %	0.0 %	37	45.7 %	35.1 %	19.1 %	0.0 %	444	0.0 %	100.0 %	0.0 %	0.0 %	2	32.6 %	65.2 %	2.2 %	0.0 %	46	25.0 %	75.0 %	0.0 %	0.0 %	36
1994 r	25.4 %	71.2 %	3.4 %	0.0 %	59	10.8 %	78.4 %	10.8 %	0.0 %	37	43.7 %	34.8 %	21.5 %	0.0 %	465	0.0 %	100.0 %	0.0 %	0.0 %	3	32.7 %	65.3 %	2.0 %	0.0 %	49	20.0 %	80.0 %	0.0 %	0.0 %	50

r Revised

Source: EUROCOPTER

TABLE 4.4

WORLD HELICOPTER FLEET
All Categories
 (Units at Year-end)

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	1.3 %	22.7 %	1.9 %	6.8 %	24.8 %	25.9 %	1.3 %	0.8 %	11.8 %	0.0 %	2.2 %	0.5 %	1,958	12.3 %	4.2 %	53.6 %	30.0 %	15,936
1987	1.2 %	21.8 %	1.9 %	6.9 %	25.6 %	25.2 %	1.6 %	0.8 %	12.8 %	0.0 %	1.7 %	0.7 %	2,108	13.0 %	4.6 %	51.5 %	31.0 %	16,257
1988	0.9 %	19.4 %	1.8 %	7.2 %	26.4 %	26.7 %	1.6 %	1.0 %	12.7 %	0.0 %	1.4 %	0.9 %	2,339	14.0 %	4.7 %	49.1 %	32.2 %	16,660
1989	0.6 %	17.5 %	1.6 %	7.6 %	26.4 %	28.4 %	1.5 %	1.0 %	13.0 %	0.0 %	1.3 %	1.0 %	2,629	15.1 %	4.8 %	47.8 %	32.3 %	17,391
1990	0.8 %	17.2 %	1.5 %	7.4 %	26.8 %	28.9 %	1.4 %	1.1 %	12.5 %	0.0 %	1.3 %	1.1 %	2,829	15.6 %	4.8 %	46.6 %	33.0 %	18,186
1991	1.2 %	18.6 %	1.6 %	7.7 %	26.3 %	26.6 %	1.4 %	0.9 %	13.4 %	0.0 %	1.3 %	1.1 %	3,013	16.0 %	4.8 %	45.9 %	33.3 %	18,831
1992	1.4 %	20.3 %	1.6 %	7.9 %	25.8 %	24.1 %	1.6 %	1.2 %	13.6 %	0.1 %	1.3 %	1.2 %	3,160	16.4 %	4.9 %	45.2 %	33.5 %	19,314
1993	1.6 %	20.8 %	1.6 %	8.2 %	25.9 %	22.6 %	1.6 %	1.2 %	13.9 %	0.1 %	1.4 %	1.1 %	3,202	16.1 %	4.9 %	45.2 %	33.8 %	19,841
1994	1.5 %	20.7 %	1.6 %	8.3 %	25.6 %	22.2 %	1.8 %	1.1 %	14.1 %	0.1 %	1.5 %	1.5 %	3,297	16.2 %	4.8 %	44.5 %	34.5 %	20,356
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	44.0 %	42.5 %	10.8 %	50.7 %	66.0 %	26.2 %	24.0 %	20.0 %	46.6 %	0.0 %	44.2 %	22.2 %	44.1 %	26.8 %	10.3 %	19.3 %	17.8 %	
1987	44.0 %	43.3 %	10.0 %	50.0 %	63.1 %	25.0 %	21.2 %	18.8 %	49.4 %	0.0 %	42.9 %	28.6 %	43.7 %	28.3 %	10.7 %	20.4 %	18.8 %	
1988	45.5 %	44.9 %	11.9 %	48.5 %	58.5 %	22.8 %	21.6 %	17.4 %	51.2 %	0.0 %	31.3 %	59.1 %	42.4 %	28.3 %	10.9 %	20.6 %	19.2 %	
1989	58.8 %	42.5 %	11.9 %	46.2 %	56.7 %	20.9 %	25.0 %	19.2 %	48.7 %	0.0 %	31.4 %	65.4 %	40.4 %	28.2 %	10.9 %	21.2 %	19.5 %	
1990	40.9 %	40.9 %	14.0 %	45.7 %	55.1 %	20.8 %	28.2 %	13.3 %	51.3 %	0.0 %	30.6 %	56.7 %	39.7 %	29.5 %	10.9 %	22.2 %	20.0 %	
1991	27.8 %	36.6 %	14.6 %	45.9 %	56.4 %	21.4 %	26.8 %	7.1 %	47.8 %	0.0 %	26.3 %	54.5 %	39.2 %	30.5 %	11.0 %	22.9 %	20.4 %	
1992	25.0 %	33.5 %	17.6 %	48.2 %	56.8 %	22.3 %	18.4 %	10.8 %	45.2 %	0.0 %	29.3 %	32.4 %	38.6 %	30.2 %	11.1 %	23.1 %	20.6 %	
1993	19.6 %	35.3 %	15.7 %	46.6 %	56.3 %	23.3 %	23.5 %	10.8 %	45.7 %	0.0 %	32.6 %	25.0 %	39.2 %	30.8 %	11.2 %	22.6 %	20.6 %	
1994	20.4 %	35.3 %	15.1 %	46.4 %	56.3 %	23.8 %	25.4 %	10.8 %	43.7 %	0.0 %	32.7 %	20.0 %	38.9 %	31.2 %	11.7 %	22.6 %	20.8 %	
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	Units World	
1986	1.3 %	21.9 %	0.5 %	7.9 %	37.2 %	15.4 %	0.7 %	0.3 %	12.5 %	0.0 %	2.2 %	0.2 %	864	30.4 %	6.3 %	30.8 %	32.5 %	2,840
1987	1.2 %	21.6 %	0.4 %	7.9 %	36.9 %	14.4 %	0.8 %	0.3 %	14.4 %	0.0 %	1.6 %	0.4 %	922	30.2 %	6.9 %	29.2 %	33.6 %	3,050
1988	1.0 %	20.6 %	0.5 %	8.3 %	36.4 %	14.3 %	0.8 %	0.4 %	15.3 %	0.0 %	1.0 %	1.3 %	991	30.9 %	6.9 %	27.8 %	34.5 %	3,206
1989	0.9 %	18.5 %	0.5 %	8.7 %	37.0 %	14.7 %	0.9 %	0.5 %	15.7 %	0.0 %	1.0 %	1.6 %	1,062	31.3 %	6.9 %	26.6 %	35.2 %	3,391
1990	0.8 %	17.7 %	0.5 %	8.5 %	37.2 %	15.1 %	1.0 %	0.4 %	16.2 %	0.0 %	1.0 %	1.5 %	1,123	30.9 %	7.1 %	25.4 %	36.7 %	3,631
1991	0.8 %	17.4 %	0.6 %	9.0 %	37.8 %	14.6 %	0.9 %	0.2 %	16.3 %	0.0 %	0.8 %	1.5 %	1,181	30.7 %	7.2 %	24.7 %	37.4 %	3,843
1992	0.9 %	17.6 %	0.7 %	9.8 %	37.9 %	13.9 %	0.7 %	0.3 %	16.0 %	0.0 %	1.0 %	1.0 %	1,219	30.7 %	7.3 %	24.3 %	37.7 %	3,972
1993	0.8 %	18.7 %	0.6 %	9.8 %	37.2 %	13.5 %	1.0 %	0.3 %	16.2 %	0.0 %	1.2 %	0.7 %	1,255	30.8 %	7.3 %	24.7 %	37.2 %	4,079
1994	0.8 %	18.8 %	0.6 %	9.9 %	37.0 %	13.6 %	1.2 %	0.3 %	15.8 %	0.0 %	1.2 %	0.8 %	1,283	30.3 %	7.2 %	25.0 %	37.5 %	4,236

Source: EUROCOPTER

TABLE 4.5

WORLD HELICOPTER FLEET
All Categories
 (Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU 12 Total												Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Value World
1986	0.9 %	16.2 %	3.6 %	4.3 %	14.3 %	44.4 %	1.2 %	1.0 %	9.8 %	0.0 %	4.4 %	0.1 %	1,301	17.5 %	5.7 %	41.9 %	34.9 %	7,439
1987	0.9 %	16.7 %	3.6 %	4.3 %	14.7 %	42.7 %	1.0 %	0.9 %	11.8 %	0.0 %	3.2 %	0.3 %	1,167	17.5 %	6.1 %	40.5 %	36.0 %	6,684
1988	0.7 %	17.0 %	3.3 %	5.5 %	15.5 %	41.4 %	0.9 %	1.1 %	11.9 %	0.0 %	2.4 %	0.3 %	1,256	18.1 %	6.2 %	38.5 %	37.2 %	6,944
1989	0.6 %	16.5 %	3.3 %	6.1 %	16.3 %	38.5 %	1.0 %	0.9 %	13.7 %	0.0 %	2.6 %	0.4 %	1,413	17.9 %	5.9 %	39.2 %	37.0 %	7,899
1990	0.6 %	16.0 %	2.9 %	6.4 %	17.1 %	39.0 %	0.9 %	0.8 %	13.2 %	0.0 %	2.4 %	0.5 %	1,328	18.2 %	6.1 %	38.2 %	37.5 %	7,279
1991	0.7 %	17.2 %	3.0 %	6.9 %	17.5 %	36.3 %	0.6 %	0.7 %	14.2 %	0.0 %	2.2 %	0.6 %	1,476	18.5 %	5.9 %	37.0 %	38.5 %	7,960
1992	0.7 %	18.1 %	2.9 %	7.0 %	16.6 %	32.1 %	0.6 %	0.9 %	17.8 %	0.2 %	2.3 %	0.8 %	1,534	19.2 %	6.1 %	36.6 %	38.1 %	8,002
1993	0.7 %	19.0 %	2.8 %	7.2 %	15.9 %	30.8 %	0.7 %	0.9 %	19.0 %	0.2 %	2.1 %	0.8 %	1,800	19.4 %	6.2 %	36.4 %	38.0 %	9,287
1994	0.6 %	18.7 %	2.7 %	7.1 %	15.4 %	30.4 %	0.9 %	0.8 %	20.2 %	0.2 %	2.1 %	0.9 %	1,899	19.3 %	6.2 %	35.8 %	38.7 %	9,838
Design Origin EU - Market Shares in Member States																		
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	World
1986	75.7 %	60.6 %	34.4 %	75.7 %	85.2 %	52.7 %	19.0 %	13.3 %	57.6 %	0.0 %	39.7 %	55.3 %		58.3 %	40.6 %	21.1 %	30.6 %	32.1 %
1987	75.7 %	60.5 %	28.7 %	74.5 %	84.6 %	52.5 %	27.3 %	13.2 %	62.0 %	0.0 %	36.1 %	54.8 %		58.8 %	41.4 %	23.5 %	32.9 %	34.2 %
1988	80.4 %	63.1 %	29.8 %	70.9 %	81.4 %	53.9 %	35.3 %	15.3 %	66.7 %	0.0 %	21.8 %	67.4 %		60.2 %	43.8 %	25.5 %	33.1 %	35.7 %
1989	88.0 %	61.1 %	28.3 %	66.4 %	78.4 %	56.2 %	43.0 %	22.4 %	62.0 %	0.0 %	27.3 %	75.9 %		60.2 %	44.2 %	25.5 %	33.8 %	35.9 %
1990	76.4 %	59.6 %	31.6 %	63.6 %	77.3 %	57.5 %	45.7 %	16.4 %	63.6 %	0.0 %	33.7 %	52.9 %		60.7 %	46.9 %	25.7 %	34.8 %	36.8 %
1991	66.5 %	54.6 %	40.4 %	61.2 %	78.3 %	59.7 %	70.1 %	8.2 %	60.0 %	0.0 %	25.8 %	48.5 %		60.6 %	49.9 %	26.2 %	36.7 %	38.0 %
1992	61.8 %	50.8 %	42.0 %	62.3 %	79.3 %	60.9 %	55.1 %	15.8 %	44.4 %	0.0 %	38.9 %	31.7 %		57.4 %	51.7 %	26.1 %	37.5 %	38.0 %
1993	49.4 %	51.3 %	47.2 %	59.4 %	79.2 %	60.9 %	63.3 %	18.2 %	42.3 %	0.0 %	43.5 %	29.6 %		56.8 %	52.8 %	26.1 %	36.8 %	37.8 %
1994	47.5 %	51.5 %	48.1 %	57.2 %	81.1 %	59.7 %	56.3 %	18.0 %	36.8 %	0.0 %	46.3 %	25.8 %		55.2 %	52.9 %	26.9 %	37.8 %	38.2 %
Design Origin EU - Distribution among Member States																		
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Value World
1986	1.2 %	16.8 %	2.1 %	5.6 %	20.9 %	40.1 %	0.4 %	0.2 %	9.7 %	0.0 %	3.0 %	0.1 %	759	31.8 %	7.2 %	27.6 %	33.3 %	2,384
1987	1.1 %	17.2 %	1.8 %	5.5 %	21.1 %	38.1 %	0.5 %	0.2 %	12.4 %	0.0 %	1.9 %	0.2 %	687	30.1 %	7.4 %	27.9 %	34.6 %	2,283
1988	1.0 %	17.8 %	1.6 %	6.5 %	20.9 %	37.0 %	0.5 %	0.3 %	13.2 %	0.0 %	0.9 %	0.3 %	757	30.5 %	7.6 %	27.5 %	34.4 %	2,482
1989	0.9 %	16.7 %	1.6 %	6.8 %	21.2 %	36.0 %	0.7 %	0.3 %	14.1 %	0.0 %	1.2 %	0.5 %	851	30.0 %	7.3 %	27.8 %	34.8 %	2,832
1990	0.7 %	15.7 %	1.5 %	6.8 %	21.8 %	36.9 %	0.7 %	0.2 %	13.8 %	0.0 %	1.4 %	0.5 %	807	30.1 %	7.7 %	26.6 %	35.5 %	2,678
1991	0.7 %	15.5 %	2.0 %	6.9 %	22.7 %	35.8 %	0.7 %	0.1 %	14.1 %	0.0 %	1.0 %	0.5 %	894	29.5 %	7.8 %	25.5 %	37.2 %	3,027
1992	0.8 %	16.0 %	2.1 %	7.6 %	22.9 %	34.1 %	0.6 %	0.2 %	13.8 %	0.0 %	1.5 %	0.5 %	881	29.0 %	8.3 %	25.2 %	37.6 %	3,043
1993	0.6 %	17.2 %	2.3 %	7.5 %	22.1 %	33.0 %	0.8 %	0.3 %	14.2 %	0.0 %	1.6 %	0.4 %	1,022	29.1 %	8.7 %	25.2 %	37.0 %	3,508
1994	0.5 %	17.4 %	2.3 %	7.4 %	22.7 %	32.9 %	0.9 %	0.3 %	13.5 %	0.0 %	1.7 %	0.4 %	1,048	27.9 %	8.6 %	25.2 %	38.3 %	3,754

Source: EUROCOPTER

TABLE 4.6

WORLD HELICOPTER FLEET
Category: Piston Engine
(Units at Year-end)

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	1.4 %	26.6 %	1.7 %	7.5 %	22.1 %	26.9 %	2.0 %	0.2 %	9.5 %	0.0 %	1.0 %	1.0 %	587	9.7 %	3.4 %	66.8 %	20.1 %	6,072
1987	1.2 %	23.1 %	1.6 %	7.5 %	24.4 %	26.6 %	3.3 %	0.3 %	10.1 %	0.0 %	0.9 %	1.1 %	644	10.5 %	3.5 %	65.2 %	20.7 %	6,131
1988	1.0 %	18.0 %	1.4 %	6.8 %	25.9 %	30.6 %	3.3 %	0.5 %	10.6 %	0.0 %	1.0 %	0.8 %	767	12.3 %	3.6 %	62.9 %	21.3 %	6,252
1989	0.5 %	15.4 %	1.2 %	6.8 %	25.5 %	35.2 %	2.8 %	0.7 %	10.2 %	0.0 %	1.1 %	0.7 %	918	13.9 %	3.5 %	60.7 %	21.8 %	6,585
1990	0.9 %	15.0 %	1.3 %	6.0 %	25.5 %	36.5 %	2.3 %	1.0 %	9.8 %	0.0 %	1.1 %	0.7 %	1,029	14.8 %	3.5 %	59.0 %	22.7 %	6,945
1991	1.7 %	16.4 %	1.7 %	6.0 %	23.6 %	34.6 %	2.5 %	1.1 %	10.7 %	0.0 %	1.1 %	0.6 %	1,094	15.2 %	3.5 %	58.3 %	23.0 %	7,194
1992	2.1 %	17.3 %	1.8 %	6.0 %	22.9 %	32.0 %	3.0 %	1.4 %	11.4 %	0.0 %	1.3 %	0.7 %	1,146	15.6 %	3.6 %	57.2 %	23.6 %	7,346
1993	2.6 %	16.9 %	2.0 %	6.5 %	23.8 %	29.7 %	2.9 %	1.5 %	11.6 %	0.0 %	1.6 %	0.9 %	1,145	15.2 %	3.6 %	56.8 %	24.4 %	7,534
1994	2.5 %	18.0 %	2.0 %	6.5 %	23.9 %	28.3 %	2.9 %	1.3 %	11.8 %	0.0 %	1.7 %	1.0 %	1,188	15.5 %	3.7 %	55.5 %	25.4 %	7,683
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	0.0 %	0.0 %	0.0 %	0.0 %	1.5 %	1.3 %	0.0 %	0.0 %	1.8 %	0.0 %	0.0 %	0.0 %	0.9 %	0.0 %	0.0 %	0.1 %	0.1 %	
1987	0.0 %	0.7 %	0.0 %	0.0 %	1.3 %	1.2 %	0.0 %	0.0 %	1.5 %	0.0 %	0.0 %	0.0 %	0.9 %	0.0 %	0.0 %	0.1 %	0.1 %	
1988	0.0 %	0.7 %	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 %	0.6 %	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 %	0.5 %	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 %	0.5 %	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 %	0.5 %	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 %	0.6 %	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 %	0.6 %	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					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	Units World	
1986	0.0 %	0.0 %	0.0 %	0.0 %	40.0 %	40.0 %	0.0 %	0.0 %	20.0 %	0.0 %	0.0 %	0.0 %	5	83.3 %	0.0 %	0.0 %	16.7 %	6
1987	0.0 %	16.7 %	0.0 %	0.0 %	33.3 %	33.3 %	0.0 %	0.0 %	16.7 %	0.0 %	0.0 %	0.0 %	6	85.7 %	0.0 %	0.0 %	14.3 %	7
1988	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	50.0 %	0.0 %	0.0 %	25.0 %	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 %	66.7 %	0.0 %	0.0 %	33.3 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 HELICOPTER FLEET
Category: Piston Engine
 (Value in Current Prices at Year-end - Mio. ECU)

	Member State Breakdown in % of EU 12 Total												Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Value World
1986	1.2 %	28.0 %	1.7 %	7.2 %	22.2 %	25.6 %	2.0 %	0.2 %	9.8 %	0.0 %	1.1 %	1.1 %	46	10.1 %	4.0 %	65.5 %	20.4 %	459
1987	1.1 %	24.4 %	1.6 %	7.1 %	24.6 %	24.9 %	3.2 %	0.3 %	10.5 %	0.0 %	1.1 %	1.1 %	43	10.9 %	4.1 %	64.0 %	20.9 %	396
1988	1.0 %	19.3 %	1.4 %	6.6 %	26.4 %	28.6 %	3.2 %	0.4 %	11.1 %	0.0 %	1.1 %	0.8 %	50	12.6 %	4.2 %	61.7 %	21.5 %	397
1989	0.5 %	16.4 %	1.2 %	6.5 %	25.8 %	33.4 %	2.8 %	0.6 %	11.0 %	0.0 %	1.1 %	0.7 %	65	14.4 %	4.1 %	59.2 %	22.2 %	450
1990	0.9 %	15.9 %	1.3 %	5.7 %	25.7 %	35.0 %	2.3 %	0.9 %	10.4 %	0.0 %	1.1 %	0.7 %	64	15.5 %	4.1 %	57.4 %	23.1 %	414
1991	1.6 %	17.3 %	1.7 %	5.7 %	23.8 %	33.2 %	2.4 %	1.0 %	11.4 %	0.0 %	1.2 %	0.7 %	71	15.9 %	4.0 %	56.6 %	23.5 %	444
1992	2.1 %	18.1 %	1.8 %	5.7 %	23.2 %	30.5 %	2.9 %	1.3 %	12.2 %	0.0 %	1.5 %	0.7 %	71	16.4 %	4.1 %	55.4 %	24.1 %	436
1993	2.6 %	17.5 %	2.0 %	6.2 %	24.2 %	28.3 %	2.8 %	1.4 %	12.4 %	0.0 %	1.7 %	0.9 %	79	15.9 %	4.1 %	55.1 %	24.8 %	497
1994	2.5 %	20.2 %	2.1 %	5.8 %	23.4 %	27.2 %	2.9 %	1.2 %	12.1 %	0.0 %	1.7 %	0.9 %	87	16.8 %	4.2 %	52.2 %	26.8 %	516
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	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 %	0.2 %	0.0 %	0.0 %	0.5 %	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 %	0.2 %	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 %	0.2 %	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 %	0.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	
1991	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 %	
1992	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 %	0.2 %	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 %	0.2 %	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					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Value EU12	EU12	Rest of Europe	USA	Rest of World	Value World
1986	0.0 %	0.0 %	0.0 %	0.0 %	40.5 %	39.2 %	0.0 %	0.0 %	20.3 %	0.0 %	0.0 %	0.0 %	0.150	83.1 %	0.0 %	0.0 %	16.9 %	0.181
1987	0.0 %	14.9 %	0.0 %	0.0 %	34.5 %	33.3 %	0.0 %	0.0 %	17.2 %	0.0 %	0.0 %	0.0 %	0.151	85.3 %	0.0 %	0.0 %	14.7 %	0.177
1988	0.0 %	21.1 %	0.0 %	0.0 %	0.0 %	47.2 %	0.0 %	0.0 %	31.7 %	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 %	59.8 %	0.0 %	0.0 %	40.2 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.049	100.0 %	0.0 %	0.0 %	0.0 %	0.049

Source: EUROCOPTER

TABLE 4.8

WORLD HELICOPTER FLEET
Category: Light Single Engine
(Units at Year-end)

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	1.6 %	18.3 %	1.2 %	4.6 %	37.0 %	21.4 %	0.6 %	1.1 %	13.2 %	0.0 %	0.6 %	0.4 %	809	11.8 %	4.4 %	47.6 %	36.3 %	6,884
1987	1.5 %	17.9 %	1.4 %	5.2 %	37.2 %	20.8 %	0.6 %	1.0 %	13.1 %	0.0 %	0.6 %	0.8 %	871	12.5 %	5.0 %	45.1 %	37.4 %	6,959
1988	1.1 %	16.3 %	1.4 %	5.3 %	38.0 %	21.4 %	0.5 %	1.3 %	12.8 %	0.0 %	0.3 %	1.7 %	932	13.2 %	5.2 %	42.6 %	39.0 %	7,055
1989	0.8 %	15.0 %	1.2 %	6.0 %	37.7 %	22.0 %	0.5 %	1.5 %	13.2 %	0.0 %	0.3 %	1.9 %	1,029	14.1 %	5.6 %	41.0 %	39.2 %	7,273
1990	0.8 %	15.0 %	1.2 %	6.2 %	38.5 %	21.5 %	0.5 %	1.5 %	12.4 %	0.0 %	0.4 %	1.9 %	1,078	14.3 %	5.7 %	40.0 %	39.9 %	7,527
1991	1.1 %	16.1 %	1.0 %	7.2 %	38.6 %	18.4 %	0.5 %	1.1 %	13.5 %	0.0 %	0.4 %	2.0 %	1,154	14.9 %	5.9 %	39.5 %	39.7 %	7,745
1992	1.3 %	17.7 %	1.0 %	7.5 %	38.3 %	16.7 %	0.7 %	1.3 %	13.5 %	0.0 %	0.3 %	1.8 %	1,200	15.1 %	5.9 %	38.8 %	40.2 %	7,934
1993	1.5 %	18.7 %	0.8 %	7.9 %	38.4 %	15.1 %	0.7 %	1.1 %	13.7 %	0.0 %	0.5 %	1.6 %	1,209	14.9 %	5.6 %	39.0 %	40.5 %	8,096
1994	1.3 %	17.5 %	0.9 %	8.0 %	37.7 %	15.0 %	0.8 %	1.1 %	14.7 %	0.1 %	0.6 %	2.4 %	1,235	14.9 %	5.3 %	38.9 %	40.9 %	8,264
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	53.8 %	55.4 %	10.0 %	51.4 %	88.3 %	24.3 %	60.0 %	22.2 %	52.3 %	0.0 %	60.0 %	66.7 %	59.5 %	45.7 %	12.8 %	21.1 %	22.7 %	
1987	53.8 %	51.3 %	16.7 %	53.3 %	86.4 %	19.9 %	60.0 %	22.2 %	56.1 %	0.0 %	60.0 %	57.1 %	58.0 %	45.2 %	12.8 %	21.4 %	23.3 %	
1988	60.0 %	52.0 %	23.1 %	51.0 %	84.7 %	16.1 %	60.0 %	16.7 %	62.2 %	0.0 %	33.3 %	81.3 %	57.7 %	43.1 %	12.5 %	21.0 %	23.4 %	
1989	75.0 %	46.8 %	25.0 %	56.5 %	84.8 %	15.0 %	60.0 %	20.0 %	59.6 %	0.0 %	33.3 %	85.0 %	56.8 %	41.7 %	12.8 %	21.9 %	24.2 %	
1990	55.6 %	44.4 %	30.8 %	55.2 %	83.1 %	17.2 %	60.0 %	18.8 %	67.9 %	0.0 %	25.0 %	81.0 %	57.3 %	42.9 %	12.1 %	23.0 %	24.7 %	
1991	46.2 %	37.6 %	36.4 %	54.2 %	82.5 %	17.0 %	50.0 %	15.4 %	60.9 %	0.0 %	20.0 %	78.3 %	56.2 %	43.2 %	12.0 %	23.7 %	25.1 %	
1992	43.8 %	34.4 %	50.0 %	60.0 %	82.8 %	21.5 %	25.0 %	13.3 %	60.5 %	0.0 %	25.0 %	50.0 %	56.4 %	41.5 %	12.4 %	24.2 %	25.5 %	
1993	38.9 %	34.5 %	30.0 %	57.3 %	82.8 %	23.0 %	25.0 %	7.7 %	61.4 %	0.0 %	33.3 %	42.1 %	56.6 %	42.4 %	13.0 %	24.0 %	25.6 %	
1994	43.8 %	37.0 %	27.3 %	58.6 %	83.4 %	22.2 %	20.0 %	7.1 %	57.5 %	0.0 %	28.6 %	30.0 %	56.3 %	44.2 %	13.8 %	24.2 %	26.0 %	
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	Units World	
1986	1.5 %	17.0 %	0.2 %	4.0 %	54.9 %	8.7 %	0.6 %	0.4 %	11.6 %	0.0 %	0.6 %	0.4 %	481	30.8 %	8.8 %	26.7 %	33.7 %	1,563
1987	1.4 %	15.8 %	0.4 %	4.8 %	55.4 %	7.1 %	0.6 %	0.4 %	12.7 %	0.0 %	0.6 %	0.8 %	505	31.1 %	9.6 %	24.8 %	34.4 %	1,622
1988	1.1 %	14.7 %	0.6 %	4.6 %	55.8 %	5.9 %	0.6 %	0.4 %	13.8 %	0.0 %	0.2 %	2.4 %	538	32.6 %	9.6 %	22.7 %	35.0 %	1,649
1989	1.0 %	12.3 %	0.5 %	6.0 %	56.3 %	5.8 %	0.5 %	0.5 %	13.9 %	0.0 %	0.2 %	2.9 %	584	33.2 %	9.7 %	21.6 %	35.5 %	1,760
1990	0.8 %	11.7 %	0.6 %	6.0 %	55.8 %	6.5 %	0.5 %	0.5 %	14.7 %	0.0 %	0.2 %	2.8 %	618	33.2 %	10.0 %	19.5 %	37.3 %	1,859
1991	0.9 %	10.8 %	0.6 %	6.9 %	56.8 %	5.6 %	0.5 %	0.3 %	14.7 %	0.0 %	0.2 %	2.8 %	648	33.4 %	10.1 %	18.9 %	37.6 %	1,942
1992	1.0 %	10.8 %	0.9 %	8.0 %	56.1 %	6.4 %	0.3 %	0.3 %	14.5 %	0.0 %	0.1 %	1.6 %	677	33.5 %	9.6 %	18.8 %	38.1 %	2,023
1993	1.0 %	11.4 %	0.4 %	8.0 %	56.1 %	6.1 %	0.3 %	0.1 %	14.9 %	0.0 %	0.3 %	1.2 %	684	33.0 %	9.2 %	19.8 %	38.0 %	2,071
1994	1.0 %	11.5 %	0.4 %	8.3 %	55.8 %	5.9 %	0.3 %	0.1 %	15.0 %	0.0 %	0.3 %	1.3 %	695	32.3 %	9.1 %	20.6 %	38.0 %	2,151

Source: EUROCOPTER

TABLE 4.9

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

	Member State Breakdown in % of EU 12 Total													Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12		Rest of Europe	USA	Rest of World	Value World	
1986	1.3 %	17.9 %	1.3 %	3.9 %	33.9 %	23.7 %	0.6 %	1.3 %	15.0 %	0.0 %	0.7 %	0.4 %	299	10.4 %	4.4 %	49.6 %	35.6 %	2,882	
1987	1.2 %	17.3 %	1.5 %	4.8 %	34.8 %	22.5 %	0.6 %	1.1 %	14.8 %	0.0 %	0.6 %	0.9 %	280	11.2 %	5.0 %	46.9 %	37.0 %	2,499	
1988	0.7 %	15.7 %	1.5 %	5.1 %	36.7 %	22.5 %	0.5 %	1.4 %	14.4 %	0.0 %	0.3 %	1.1 %	300	12.0 %	5.3 %	44.1 %	38.6 %	2,501	
1989	0.5 %	14.2 %	1.3 %	6.3 %	36.2 %	23.1 %	0.5 %	1.6 %	14.6 %	0.0 %	0.3 %	1.4 %	357	12.8 %	5.7 %	42.4 %	39.0 %	2,790	
1990	0.5 %	14.3 %	1.3 %	6.6 %	37.4 %	22.0 %	0.5 %	1.6 %	14.0 %	0.0 %	0.3 %	1.5 %	336	13.2 %	5.8 %	41.1 %	39.9 %	2,548	
1991	0.8 %	15.7 %	1.0 %	7.9 %	37.9 %	18.1 %	0.5 %	1.2 %	14.9 %	0.0 %	0.4 %	1.5 %	383	13.9 %	6.0 %	40.3 %	39.8 %	2,748	
1992	1.0 %	17.6 %	1.2 %	8.1 %	37.3 %	16.4 %	0.7 %	1.3 %	14.6 %	0.0 %	0.3 %	1.5 %	391	14.3 %	6.0 %	39.2 %	40.4 %	2,728	
1993	1.2 %	18.9 %	1.0 %	8.6 %	37.2 %	14.7 %	0.7 %	1.2 %	14.9 %	0.0 %	0.4 %	1.4 %	442	14.1 %	5.7 %	39.4 %	40.7 %	3,125	
1994	1.1 %	17.6 %	1.0 %	8.7 %	36.7 %	14.5 %	0.7 %	1.2 %	15.8 %	0.1 %	0.5 %	2.0 %	452	14.1 %	5.5 %	39.0 %	41.4 %	3,195	
	Design Origin EU - Market Shares in Member States													Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World		
1986	39.0 %	47.2 %	12.9 %	45.6 %	85.7 %	26.0 %	58.9 %	27.2 %	57.1 %	0.0 %	60.4 %	75.7 %	56.1 %	45.4 %	13.6 %	23.3 %	22.9 %		
1987	39.1 %	43.5 %	21.3 %	48.1 %	83.7 %	21.3 %	58.9 %	27.2 %	61.3 %	0.0 %	60.4 %	65.8 %	55.2 %	45.4 %	13.8 %	23.7 %	23.6 %		
1988	42.9 %	43.2 %	28.8 %	47.6 %	82.8 %	17.1 %	59.0 %	20.6 %	67.6 %	0.0 %	31.0 %	75.6 %	55.5 %	43.2 %	13.5 %	23.3 %	23.9 %		
1989	58.9 %	38.0 %	30.3 %	54.4 %	82.9 %	15.7 %	59.1 %	23.5 %	64.5 %	0.0 %	31.0 %	82.5 %	54.5 %	42.6 %	13.8 %	24.3 %	24.8 %		
1990	28.3 %	36.8 %	37.7 %	53.8 %	81.9 %	17.2 %	60.0 %	23.1 %	72.4 %	0.0 %	24.4 %	74.9 %	55.9 %	44.5 %	13.3 %	26.0 %	25.8 %		
1991	30.9 %	30.0 %	44.0 %	52.6 %	81.7 %	17.9 %	52.3 %	18.7 %	66.7 %	0.0 %	19.3 %	72.9 %	55.4 %	45.3 %	13.4 %	27.1 %	26.6 %		
1992	33.7 %	27.5 %	55.8 %	59.5 %	82.4 %	23.7 %	24.7 %	16.7 %	66.6 %	0.0 %	24.4 %	33.1 %	56.0 %	43.4 %	14.0 %	27.9 %	27.4 %		
1993	28.0 %	28.4 %	33.8 %	56.3 %	82.5 %	26.1 %	24.9 %	9.2 %	67.7 %	0.0 %	24.4 %	28.9 %	56.2 %	44.2 %	14.8 %	27.8 %	27.7 %		
1994	31.6 %	30.9 %	32.3 %	57.3 %	83.5 %	25.2 %	14.4 %	8.8 %	63.6 %	0.0 %	18.0 %	24.5 %	56.2 %	46.2 %	16.2 %	28.5 %	28.6 %		
	Design Origin EU - Distribution among Member States													Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Value EU12	EU12	Rest of Europe	USA	Rest of World	Value World	
1986	0.9 %	15.1 %	0.3 %	3.2 %	51.7 %	11.0 %	0.7 %	0.6 %	15.3 %	0.0 %	0.7 %	0.6 %	168	25.5 %	8.7 %	29.5 %	36.4 %	659	
1987	0.8 %	13.6 %	0.6 %	4.2 %	52.8 %	8.7 %	0.6 %	0.6 %	16.4 %	0.0 %	0.7 %	1.0 %	154	26.1 %	9.5 %	27.3 %	37.1 %	591	
1988	0.6 %	12.2 %	0.8 %	4.4 %	54.8 %	6.9 %	0.6 %	0.5 %	17.5 %	0.0 %	0.2 %	1.5 %	167	27.9 %	9.6 %	24.9 %	37.6 %	598	
1989	0.5 %	9.9 %	0.7 %	6.3 %	55.0 %	6.7 %	0.5 %	0.7 %	17.3 %	0.0 %	0.2 %	2.1 %	195	28.2 %	9.8 %	23.6 %	38.3 %	691	
1990	0.3 %	9.4 %	0.9 %	6.4 %	54.9 %	6.8 %	0.5 %	0.7 %	18.1 %	0.0 %	0.2 %	2.0 %	188	28.6 %	10.1 %	21.1 %	40.2 %	657	
1991	0.4 %	8.5 %	0.8 %	7.5 %	55.9 %	5.9 %	0.5 %	0.4 %	17.9 %	0.0 %	0.1 %	2.0 %	212	29.0 %	10.2 %	20.3 %	40.5 %	731	
1992	0.6 %	8.6 %	1.2 %	8.6 %	54.9 %	6.9 %	0.3 %	0.4 %	17.4 %	0.0 %	0.1 %	0.9 %	219	29.3 %	9.5 %	20.0 %	41.1 %	747	
1993	0.6 %	9.5 %	0.6 %	8.6 %	54.6 %	6.8 %	0.3 %	0.2 %	17.9 %	0.0 %	0.2 %	0.7 %	249	28.8 %	9.1 %	21.1 %	41.0 %	864	
1994	0.6 %	9.7 %	0.6 %	8.8 %	54.4 %	6.5 %	0.2 %	0.2 %	17.9 %	0.0 %	0.2 %	0.9 %	254	27.8 %	8.8 %	22.1 %	41.3 %	913	

Source: EUROCOPTER

TABLE 4.10

WORLD HELICOPTER FLEET
Category: Light Twin Engine
 (Units at Year-end)

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	0.0 %	34.4 %	0.0 %	18.1 %	7.2 %	15.4 %	1.4 %	0.5 %	19.9 %	0.0 %	3.2 %	0.0 %	221	28.1 %	2.2 %	41.9 %	27.9 %	786
1987	0.0 %	32.9 %	0.0 %	16.9 %	7.2 %	15.7 %	1.6 %	0.4 %	22.5 %	0.0 %	2.8 %	0.0 %	249	29.5 %	3.1 %	37.9 %	29.6 %	845
1988	0.0 %	30.7 %	0.0 %	15.6 %	7.8 %	17.8 %	1.9 %	0.7 %	22.6 %	0.0 %	3.0 %	0.0 %	270	29.9 %	2.9 %	34.8 %	32.4 %	904
1989	0.0 %	28.5 %	0.0 %	14.2 %	8.1 %	21.0 %	2.4 %	0.7 %	22.7 %	0.0 %	2.4 %	0.0 %	295	31.3 %	3.3 %	32.0 %	33.5 %	944
1990	0.3 %	28.1 %	0.0 %	13.5 %	9.0 %	20.3 %	2.6 %	0.3 %	23.9 %	0.0 %	1.9 %	0.0 %	310	30.8 %	3.4 %	31.4 %	34.5 %	1,007
1991	0.3 %	27.8 %	0.0 %	12.9 %	9.6 %	20.4 %	2.4 %	0.0 %	24.9 %	0.0 %	1.8 %	0.0 %	334	30.8 %	3.6 %	31.0 %	34.6 %	1,084
1992	0.3 %	28.4 %	0.0 %	13.3 %	9.9 %	19.4 %	2.0 %	0.6 %	24.3 %	0.0 %	1.7 %	0.0 %	345	30.9 %	4.3 %	30.0 %	34.8 %	1,116
1993	0.3 %	28.8 %	0.0 %	13.5 %	9.6 %	18.7 %	2.7 %	0.8 %	23.6 %	0.0 %	1.9 %	0.0 %	364	31.7 %	5.0 %	30.0 %	33.4 %	1,150
1994	0.5 %	28.3 %	0.0 %	13.4 %	9.2 %	19.9 %	3.4 %	0.8 %	22.6 %	0.0 %	1.8 %	0.0 %	381	31.7 %	4.9 %	29.6 %	33.7 %	1,201

	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1987	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1988	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1989	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1990	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1991	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1992	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1993	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1994	100.0 %	99.1 %	0.0 %	100.0 %	100.0 %	98.7 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	99.5 %	100.0 %	99.2 %	99.3 %	99.3 %

	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12	EU12	Rest of Europe	USA	Rest of World	Units World
1986	0.0 %	34.4 %	0.0 %	18.1 %	7.2 %	15.4 %	1.4 %	0.5 %	19.9 %	0.0 %	3.2 %	0.0 %	221	28.1 %	2.2 %	41.9 %	27.9 %	786
1987	0.0 %	32.9 %	0.0 %	16.9 %	7.2 %	15.7 %	1.6 %	0.4 %	22.5 %	0.0 %	2.8 %	0.0 %	249	29.5 %	3.1 %	37.9 %	29.6 %	845
1988	0.0 %	30.7 %	0.0 %	15.6 %	7.8 %	17.8 %	1.9 %	0.7 %	22.6 %	0.0 %	3.0 %	0.0 %	270	29.9 %	2.9 %	34.8 %	32.4 %	904
1989	0.0 %	28.5 %	0.0 %	14.2 %	8.1 %	21.0 %	2.4 %	0.7 %	22.7 %	0.0 %	2.4 %	0.0 %	295	31.3 %	3.3 %	32.0 %	33.5 %	944
1990	0.3 %	28.1 %	0.0 %	13.5 %	9.0 %	20.3 %	2.6 %	0.3 %	23.9 %	0.0 %	1.9 %	0.0 %	310	30.8 %	3.4 %	31.4 %	34.5 %	1,007
1991	0.3 %	27.8 %	0.0 %	12.9 %	9.6 %	20.4 %	2.4 %	0.0 %	24.9 %	0.0 %	1.8 %	0.0 %	334	30.8 %	3.6 %	31.0 %	34.6 %	1,084
1992	0.3 %	28.4 %	0.0 %	13.3 %	9.9 %	19.4 %	2.0 %	0.6 %	24.3 %	0.0 %	1.7 %	0.0 %	345	30.9 %	4.3 %	30.0 %	34.8 %	1,116
1993	0.3 %	28.8 %	0.0 %	13.5 %	9.6 %	18.7 %	2.7 %	0.8 %	23.6 %	0.0 %	1.9 %	0.0 %	364	31.7 %	5.0 %	30.0 %	33.4 %	1,150
1994	0.5 %	28.2 %	0.0 %	13.5 %	9.2 %	19.8 %	3.4 %	0.8 %	22.7 %	0.0 %	1.8 %	0.0 %	379	31.8 %	4.9 %	29.6 %	33.7 %	1,193

Source: EUROCOPTER

TABLE 4.11

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

	Member State Breakdown in % of EU 12 Total												Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Value World
1986	0.0 %	33.3 %	0.0 %	17.7 %	6.0 %	14.5 %	1.2 %	0.4 %	23.8 %	0.0 %	3.0 %	0.0 %	148	29.1 %	2.1 %	41.4 %	27.3 %	508
1987	0.0 %	31.3 %	0.0 %	16.2 %	6.1 %	14.5 %	1.5 %	0.4 %	27.5 %	0.0 %	2.6 %	0.0 %	146	30.9 %	2.9 %	37.3 %	28.9 %	473
1988	0.0 %	29.0 %	0.0 %	14.8 %	6.6 %	16.4 %	1.9 %	0.8 %	27.9 %	0.0 %	2.7 %	0.0 %	158	31.3 %	2.7 %	34.4 %	31.5 %	504
1989	0.0 %	26.6 %	0.0 %	13.4 %	6.9 %	19.3 %	2.7 %	0.7 %	28.3 %	0.0 %	2.1 %	0.0 %	189	32.7 %	3.3 %	31.6 %	32.4 %	578
1990	0.4 %	26.2 %	0.0 %	12.8 %	7.9 %	18.9 %	2.8 %	0.3 %	29.0 %	0.0 %	1.7 %	0.0 %	173	32.2 %	3.5 %	30.5 %	33.8 %	537
1991	0.4 %	25.7 %	0.0 %	11.8 %	8.5 %	18.7 %	2.6 %	0.0 %	30.8 %	0.0 %	1.6 %	0.0 %	200	32.6 %	3.7 %	29.8 %	33.9 %	615
1992	0.4 %	26.1 %	0.0 %	12.2 %	8.8 %	17.8 %	2.1 %	0.6 %	30.5 %	0.0 %	1.5 %	0.0 %	203	32.8 %	4.5 %	29.4 %	33.3 %	619
1993	0.4 %	26.2 %	0.0 %	12.3 %	8.8 %	17.1 %	2.9 %	1.0 %	29.8 %	0.0 %	1.6 %	0.0 %	243	33.5 %	5.4 %	29.5 %	31.5 %	723
1994	0.7 %	25.9 %	0.0 %	12.1 %	9.1 %	19.0 %	3.4 %	0.9 %	27.4 %	0.0 %	1.5 %	0.0 %	262	32.8 %	5.3 %	29.7 %	32.1 %	797
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1987	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1988	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1989	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1990	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1991	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1992	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1993	100.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
1994	100.0 %	97.5 %	0.0 %	100.0 %	100.0 %	96.9 %	100.0 %	100.0 %	100.0 %	0.0 %	100.0 %	0.0 %	100.0 %	98.8 %	100.0 %	96.0 %	98.2 %	97.8 %
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Value EU12	EU12	Rest of Europe	USA	Rest of World	Value World
1986	0.0 %	33.3 %	0.0 %	17.7 %	6.0 %	14.5 %	1.2 %	0.4 %	23.8 %	0.0 %	3.0 %	0.0 %	148	29.1 %	2.1 %	41.4 %	27.3 %	508
1987	0.0 %	31.3 %	0.0 %	16.2 %	6.1 %	14.5 %	1.5 %	0.4 %	27.5 %	0.0 %	2.6 %	0.0 %	146	30.9 %	2.9 %	37.3 %	28.9 %	473
1988	0.0 %	29.0 %	0.0 %	14.8 %	6.6 %	16.4 %	1.9 %	0.8 %	27.9 %	0.0 %	2.7 %	0.0 %	158	31.3 %	2.7 %	34.4 %	31.5 %	504
1989	0.0 %	26.6 %	0.0 %	13.4 %	6.9 %	19.3 %	2.7 %	0.7 %	28.3 %	0.0 %	2.1 %	0.0 %	189	32.7 %	3.3 %	31.6 %	32.4 %	578
1990	0.4 %	26.2 %	0.0 %	12.8 %	7.9 %	18.9 %	2.8 %	0.3 %	29.0 %	0.0 %	1.7 %	0.0 %	173	32.2 %	3.5 %	30.5 %	33.8 %	537
1991	0.4 %	25.7 %	0.0 %	11.8 %	8.5 %	18.7 %	2.6 %	0.0 %	30.8 %	0.0 %	1.6 %	0.0 %	200	32.6 %	3.7 %	29.8 %	33.9 %	615
1992	0.4 %	26.1 %	0.0 %	12.2 %	8.8 %	17.8 %	2.1 %	0.6 %	30.5 %	0.0 %	1.5 %	0.0 %	203	32.8 %	4.5 %	29.4 %	33.3 %	619
1993	0.4 %	26.2 %	0.0 %	12.3 %	8.8 %	17.1 %	2.9 %	1.0 %	29.8 %	0.0 %	1.6 %	0.0 %	243	33.5 %	5.4 %	29.5 %	31.5 %	723
1994	0.7 %	25.5 %	0.0 %	12.3 %	9.2 %	18.6 %	3.5 %	0.9 %	27.8 %	0.0 %	1.6 %	0.0 %	258	33.2 %	5.4 %	29.2 %	32.2 %	779

Source: EUROCOPTER

TABLE 4.12

WORLD HELICOPTER FLEET
Category: Medium
(Units at Year-end)

Member State Breakdown in % of EU 12 Total

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12
1986	0.5 %	20.0 %	5.8 %	5.3 %	15.8 %	32.1 %	1.6 %	1.1 %	11.1 %	0.0 %	6.8 %	0.0 %	190
1987	0.5 %	23.4 %	5.6 %	4.1 %	16.2 %	29.9 %	0.5 %	1.0 %	14.7 %	0.0 %	4.1 %	0.0 %	197
1988	0.5 %	23.0 %	5.0 %	10.4 %	15.3 %	29.3 %	0.0 %	1.4 %	12.6 %	0.0 %	2.7 %	0.0 %	222
1989	0.4 %	21.1 %	4.5 %	12.1 %	15.8 %	26.3 %	0.0 %	0.8 %	15.8 %	0.0 %	3.2 %	0.0 %	247
1990	0.0 %	20.2 %	3.7 %	13.5 %	16.1 %	26.2 %	0.0 %	0.7 %	15.7 %	0.0 %	3.0 %	0.7 %	267
1991	0.0 %	21.9 %	3.5 %	13.1 %	15.5 %	24.7 %	0.0 %	0.4 %	16.6 %	0.0 %	3.2 %	1.1 %	283
1992	0.0 %	29.4 %	3.1 %	12.8 %	14.4 %	17.5 %	0.0 %	0.6 %	15.9 %	0.6 %	3.4 %	2.2 %	320
1993	0.0 %	29.9 %	3.0 %	12.4 %	13.9 %	17.8 %	0.0 %	0.6 %	16.6 %	0.6 %	3.0 %	2.1 %	331
1994	0.0 %	30.9 %	2.9 %	12.1 %	13.8 %	18.2 %	0.3 %	0.6 %	15.3 %	0.6 %	2.9 %	2.4 %	340

Design Origin EU - Market Shares in Member States

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT
1986	100.0 %	23.7 %	9.1 %	90.0 %	93.3 %	27.9 %	0.0 %	0.0 %	14.3 %	0.0 %	38.5 %	0.0 %
1987	100.0 %	30.4 %	0.0 %	87.5 %	100.0 %	30.5 %	0.0 %	0.0 %	24.1 %	0.0 %	37.5 %	0.0 %
1988	100.0 %	31.4 %	0.0 %	65.2 %	91.2 %	30.8 %	0.0 %	0.0 %	28.6 %	0.0 %	16.7 %	0.0 %
1989	100.0 %	28.8 %	0.0 %	50.0 %	82.1 %	30.8 %	0.0 %	0.0 %	28.2 %	0.0 %	37.5 %	0.0 %
1990	0.0 %	27.8 %	0.0 %	47.2 %	79.1 %	31.4 %	0.0 %	0.0 %	31.0 %	0.0 %	37.5 %	0.0 %
1991	0.0 %	27.4 %	0.0 %	48.6 %	79.5 %	32.9 %	0.0 %	0.0 %	29.8 %	0.0 %	33.3 %	0.0 %
1992	0.0 %	20.2 %	0.0 %	48.8 %	78.3 %	28.6 %	0.0 %	0.0 %	25.5 %	0.0 %	45.5 %	14.3 %
1993	0.0 %	27.3 %	20.0 %	46.3 %	78.3 %	25.4 %	0.0 %	0.0 %	27.3 %	0.0 %	60.0 %	14.3 %
1994	0.0 %	27.6 %	20.0 %	43.9 %	85.1 %	24.2 %	0.0 %	0.0 %	25.0 %	0.0 %	70.0 %	12.5 %

Design Origin EU - Distribution among Member States

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12
1986	1.4 %	12.3 %	1.4 %	12.3 %	38.4 %	23.3 %	0.0 %	0.0 %	4.1 %	0.0 %	6.8 %	0.0 %	73
1987	1.2 %	17.1 %	0.0 %	8.5 %	39.0 %	22.0 %	0.0 %	0.0 %	8.5 %	0.0 %	3.7 %	0.0 %	82
1988	1.1 %	17.4 %	0.0 %	16.3 %	33.7 %	21.7 %	0.0 %	0.0 %	8.7 %	0.0 %	1.1 %	0.0 %	92
1989	1.0 %	15.5 %	0.0 %	15.5 %	33.0 %	20.6 %	0.0 %	0.0 %	11.3 %	0.0 %	3.1 %	0.0 %	97
1990	0.0 %	14.4 %	0.0 %	16.3 %	32.7 %	21.2 %	0.0 %	0.0 %	12.5 %	0.0 %	2.9 %	0.0 %	104
1991	0.0 %	15.5 %	0.0 %	16.4 %	31.8 %	20.9 %	0.0 %	0.0 %	12.7 %	0.0 %	2.7 %	0.0 %	110
1992	0.0 %	17.3 %	0.0 %	18.2 %	32.7 %	14.5 %	0.0 %	0.0 %	11.8 %	0.0 %	4.5 %	0.9 %	110
1993	0.0 %	22.3 %	1.7 %	15.7 %	29.8 %	12.4 %	0.0 %	0.0 %	12.4 %	0.0 %	5.0 %	0.8 %	121
1994	0.0 %	23.2 %	1.6 %	14.4 %	32.0 %	12.0 %	0.0 %	0.0 %	10.4 %	0.0 %	5.6 %	0.8 %	125

Geographical Breakdown - % of World Total

	EU12	Rest of Europe	USA	Rest of World	Units World
1986	11.0 %	5.1 %	44.6 %	39.3 %	1,721
1987	10.7 %	5.8 %	43.4 %	40.0 %	1,833
1988	11.4 %	5.4 %	42.0 %	41.2 %	1,949
1989	11.8 %	4.9 %	43.4 %	40.0 %	2,102
1990	12.0 %	4.5 %	42.6 %	40.9 %	2,217
1991	12.2 %	4.6 %	41.0 %	42.2 %	2,315
1992	13.4 %	4.9 %	41.0 %	40.7 %	2,388
1993	13.3 %	5.3 %	41.6 %	39.8 %	2,486
1994	13.1 %	5.6 %	41.0 %	40.4 %	2,600

Design Origin EU - Market Shares in Zones

	EU12	Rest of Europe	USA	Rest of World	World
1986	38.4 %	10.2 %	14.1 %	13.6 %	16.4 %
1987	41.6 %	13.2 %	18.7 %	16.6 %	20.0 %
1988	41.4 %	14.2 %	22.5 %	16.7 %	21.8 %
1989	39.3 %	11.7 %	22.5 %	18.3 %	22.3 %
1990	39.0 %	13.0 %	24.5 %	22.2 %	24.8 %
1991	38.9 %	14.2 %	24.7 %	24.5 %	25.9 %
1992	34.4 %	15.5 %	24.5 %	24.9 %	25.5 %
1993	36.6 %	15.2 %	23.4 %	25.2 %	25.4 %
1994	36.8 %	15.9 %	23.7 %	24.7 %	25.3 %

Design Origin EU - Distribution among Zones

	EU12	Rest of Europe	USA	Rest of World	Units World
1986	25.9 %	3.2 %	38.3 %	32.6 %	282
1987	22.3 %	3.8 %	40.6 %	33.2 %	367
1988	21.6 %	3.5 %	43.3 %	31.5 %	425
1989	20.7 %	2.6 %	43.8 %	32.9 %	468
1990	18.9 %	2.4 %	42.1 %	36.6 %	549
1991	18.4 %	2.5 %	39.2 %	39.9 %	599
1992	18.0 %	3.0 %	39.3 %	39.7 %	610
1993	19.1 %	3.2 %	38.3 %	39.4 %	632
1994	19.0 %	3.5 %	38.2 %	39.3 %	659

Source: EUROCOPTER

TABLE 4.13

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

	Member State Breakdown in % of EU 12 Total													Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12		Rest of Europe	USA	Rest of World	Value World	
1986	0.6 %	17.4 %	6.4 %	4.6 %	16.2 %	32.2 %	1.6 %	0.9 %	12.8 %	0.0 %	7.3 %	0.0 %	271	12.2 %	3.1 %	43.0 %	41.7 %	2,226	
1987	0.5 %	20.3 %	5.7 %	3.4 %	16.7 %	30.1 %	0.5 %	0.9 %	17.4 %	0.0 %	4.4 %	0.0 %	247	11.6 %	4.0 %	42.4 %	42.0 %	2,126	
1988	0.5 %	19.0 %	4.9 %	8.9 %	16.1 %	31.0 %	0.0 %	1.3 %	15.3 %	0.0 %	3.0 %	0.0 %	284	12.3 %	3.6 %	42.0 %	42.1 %	2,311	
1989	0.4 %	17.4 %	4.3 %	9.4 %	16.5 %	27.9 %	0.0 %	0.7 %	19.7 %	0.0 %	3.7 %	0.0 %	347	12.6 %	3.1 %	43.3 %	41.1 %	2,757	
1990	0.0 %	16.7 %	3.5 %	10.6 %	16.3 %	28.6 %	0.0 %	0.6 %	19.4 %	0.0 %	3.8 %	0.5 %	336	12.8 %	2.8 %	42.4 %	42.0 %	2,627	
1991	0.0 %	17.2 %	3.1 %	10.5 %	15.8 %	27.9 %	0.0 %	0.2 %	21.1 %	0.0 %	3.7 %	0.6 %	387	13.2 %	2.8 %	40.4 %	43.6 %	2,931	
1992	0.0 %	20.7 %	2.9 %	10.7 %	14.1 %	22.2 %	0.0 %	0.5 %	22.1 %	0.8 %	4.9 %	1.6 %	394	13.7 %	2.9 %	40.3 %	43.1 %	2,879	
1993	0.0 %	23.0 %	3.1 %	10.2 %	12.8 %	22.1 %	0.0 %	0.5 %	21.8 %	0.8 %	4.2 %	1.5 %	473	13.9 %	3.4 %	40.3 %	42.4 %	3,390	
1994	0.0 %	24.4 %	3.0 %	9.6 %	12.9 %	23.8 %	0.4 %	0.4 %	19.1 %	0.8 %	4.0 %	1.6 %	489	13.5 %	4.0 %	39.6 %	43.0 %	3,636	
	Design Origin EU - Market Shares in Member States													Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World		
1986	100.0 %	20.4 %	13.5 %	87.9 %	93.7 %	36.6 %	0.0 %	0.0 %	12.7 %	0.0 %	46.0 %	0.0 %	41.0 %	18.5 %	20.9 %	16.7 %	21.5 %		
1987	100.0 %	28.8 %	0.0 %	90.9 %	100.0 %	38.8 %	0.0 %	0.0 %	26.0 %	0.0 %	46.9 %	0.0 %	44.4 %	25.3 %	28.8 %	22.2 %	27.7 %		
1988	100.0 %	28.5 %	0.0 %	73.3 %	91.3 %	37.5 %	0.0 %	0.0 %	30.4 %	0.0 %	25.2 %	0.0 %	44.2 %	26.0 %	33.3 %	22.5 %	30.0 %		
1989	100.0 %	26.1 %	0.0 %	61.8 %	80.7 %	34.6 %	0.0 %	0.0 %	29.8 %	0.0 %	42.7 %	0.0 %	41.2 %	22.7 %	33.3 %	24.5 %	30.4 %		
1990	0.0 %	25.7 %	0.0 %	57.2 %	77.1 %	34.8 %	0.0 %	0.0 %	32.4 %	0.0 %	47.0 %	0.0 %	41.0 %	26.0 %	34.9 %	28.4 %	32.7 %		
1991	0.0 %	26.6 %	0.0 %	55.5 %	79.0 %	38.6 %	0.0 %	0.0 %	30.2 %	0.0 %	35.9 %	0.0 %	41.3 %	30.2 %	35.2 %	31.4 %	34.2 %		
1992	0.0 %	24.1 %	0.0 %	55.4 %	81.7 %	36.5 %	0.0 %	0.5 %	25.4 %	0.0 %	53.8 %	32.9 %	39.2 %	33.1 %	35.5 %	31.7 %	34.3 %		
1993	0.0 %	31.0 %	31.2 %	52.3 %	81.0 %	31.9 %	0.0 %	0.0 %	27.1 %	0.0 %	62.7 %	33.1 %	39.9 %	30.4 %	33.9 %	31.7 %	33.7 %		
1994	0.0 %	31.1 %	32.8 %	49.3 %	87.6 %	28.1 %	0.0 %	0.0 %	25.4 %	0.0 %	69.1 %	30.0 %	39.4 %	30.6 %	34.2 %	31.2 %	33.5 %		
	Design Origin EU - Distribution among Member States													Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Value EU12	EU12	Rest of Europe	USA	Rest of World	Value World	
1986	1.4 %	8.6 %	2.1 %	9.8 %	37.1 %	28.8 %	0.0 %	0.0 %	4.0 %	0.0 %	8.2 %	0.0 %	111	23.2 %	2.7 %	41.8 %	32.3 %	479	
1987	1.2 %	13.2 %	0.0 %	6.9 %	37.6 %	26.3 %	0.0 %	0.0 %	10.2 %	0.0 %	4.7 %	0.0 %	110	18.6 %	3.6 %	44.1 %	33.6 %	589	
1988	1.1 %	12.3 %	0.0 %	14.8 %	33.3 %	26.3 %	0.0 %	0.0 %	10.6 %	0.0 %	1.7 %	0.0 %	125	18.1 %	3.1 %	47.3 %	31.5 %	694	
1989	1.0 %	11.0 %	0.0 %	14.1 %	32.3 %	23.5 %	0.0 %	0.0 %	14.3 %	0.0 %	3.9 %	0.0 %	143	17.1 %	2.3 %	47.5 %	33.1 %	837	
1990	0.0 %	10.5 %	0.0 %	14.8 %	30.7 %	24.3 %	0.0 %	0.0 %	15.4 %	0.0 %	4.4 %	0.0 %	138	16.1 %	2.2 %	45.2 %	36.5 %	858	
1991	0.0 %	11.0 %	0.0 %	14.1 %	30.2 %	26.1 %	0.0 %	0.0 %	15.4 %	0.0 %	3.2 %	0.0 %	160	15.9 %	2.4 %	41.6 %	40.0 %	1,002	
1992	0.0 %	12.7 %	0.0 %	15.1 %	29.4 %	20.7 %	0.0 %	0.0 %	14.0 %	0.0 %	6.7 %	1.3 %	154	15.6 %	2.8 %	41.8 %	39.8 %	987	
1993	0.0 %	17.8 %	2.5 %	13.3 %	26.0 %	17.7 %	0.0 %	0.0 %	14.8 %	0.0 %	6.6 %	1.2 %	189	16.5 %	3.1 %	40.5 %	39.9 %	1,143	
1994	0.0 %	19.2 %	2.5 %	12.0 %	28.8 %	17.0 %	0.0 %	0.0 %	12.3 %	0.0 %	7.1 %	1.2 %	193	15.9 %	3.6 %	40.5 %	40.0 %	1,217	

Source: EUROCOPTER

TABLE 4.14

WORLD HELICOPTER FLEET

Category: Heavy

(Units at Year-end)

	<i>Member State Breakdown in % of EU 12 Total</i>												Units EU12	<i>Geographical Breakdown - % of World Total</i>				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	2.0 %	18.2 %	4.1 %	2.0 %	7.4 %	52.7 %	1.4 %	1.4 %	2.7 %	0.0 %	8.1 %	0.0 %	148	31.8 %	9.9 %	24.1 %	34.2 %	465
1987	2.1 %	18.8 %	4.9 %	2.1 %	5.6 %	54.2 %	1.4 %	1.4 %	3.5 %	0.0 %	6.3 %	0.0 %	144	29.9 %	9.6 %	24.7 %	35.8 %	481
1988	2.1 %	20.7 %	4.8 %	2.1 %	6.2 %	51.0 %	1.4 %	1.4 %	5.5 %	0.0 %	4.8 %	0.0 %	145	29.5 %	10.2 %	22.8 %	37.6 %	492
1989	2.1 %	21.4 %	5.7 %	2.1 %	5.7 %	50.7 %	1.4 %	0.7 %	5.0 %	0.0 %	5.0 %	0.0 %	140	29.3 %	10.5 %	22.6 %	37.7 %	478
1990	2.1 %	20.7 %	4.8 %	2.1 %	7.6 %	53.1 %	1.4 %	0.7 %	2.8 %	0.0 %	4.8 %	0.0 %	145	30.1 %	12.5 %	21.2 %	36.2 %	481
1991	2.0 %	27.0 %	5.4 %	1.4 %	8.1 %	50.0 %	0.0 %	1.4 %	0.7 %	0.0 %	4.1 %	0.0 %	148	30.6 %	11.4 %	20.9 %	37.2 %	484
1992	2.1 %	27.4 %	5.5 %	2.1 %	8.2 %	50.0 %	0.0 %	1.4 %	0.0 %	0.0 %	3.4 %	0.0 %	146	28.3 %	11.0 %	23.6 %	37.0 %	516
1993	1.3 %	28.2 %	5.4 %	2.7 %	8.1 %	49.7 %	0.0 %	1.3 %	0.0 %	0.0 %	3.4 %	0.0 %	149	26.6 %	10.2 %	25.0 %	38.3 %	561
1994	0.7 %	27.2 %	5.4 %	4.1 %	8.2 %	49.7 %	0.0 %	1.4 %	0.0 %	0.0 %	3.4 %	0.0 %	147	24.9 %	9.5 %	26.3 %	39.3 %	590
	<i>Design Origin EU - Market Shares in Member States</i>												<i>Design Origin EU - Market Shares in Zones</i>					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	100.0 %	81.5 %	33.3 %	0.0 %	100.0 %	48.7 %	0.0 %	0.0 %	100.0 %	0.0 %	33.3 %	0.0 %	56.8 %	30.4 %	18.8 %	52.8 %	43.7 %	
1987	100.0 %	81.5 %	28.6 %	0.0 %	100.0 %	48.7 %	0.0 %	0.0 %	100.0 %	0.0 %	22.2 %	0.0 %	55.6 %	30.4 %	16.8 %	55.2 %	43.5 %	
1988	100.0 %	83.3 %	28.6 %	0.0 %	100.0 %	54.1 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	60.0 %	40.0 %	14.3 %	54.1 %	45.3 %	
1989	100.0 %	83.3 %	25.0 %	0.0 %	100.0 %	53.5 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	59.3 %	40.0 %	13.9 %	53.9 %	45.0 %	
1990	100.0 %	83.3 %	28.6 %	0.0 %	100.0 %	55.8 %	0.0 %	0.0 %	100.0 %	0.0 %	14.3 %	0.0 %	61.4 %	40.0 %	10.8 %	51.1 %	44.3 %	
1991	100.0 %	62.5 %	37.5 %	0.0 %	100.0 %	58.1 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	58.8 %	47.3 %	10.9 %	50.6 %	44.4 %	
1992	100.0 %	62.5 %	37.5 %	0.0 %	100.0 %	57.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	58.2 %	49.1 %	9.0 %	50.3 %	42.6 %	
1993	100.0 %	59.5 %	37.5 %	0.0 %	100.0 %	56.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	56.4 %	52.6 %	7.9 %	45.6 %	39.8 %	
1994	100.0 %	62.5 %	37.5 %	0.0 %	100.0 %	56.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	55.8 %	53.6 %	7.1 %	46.6 %	39.2 %	
	<i>Design Origin EU - Distribution among Member States</i>												<i>Design Origin EU - Distribution among Zones</i>					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12	EU12	Rest of Europe	USA	Rest of World	Units World
1986	3.6 %	26.2 %	2.4 %	0.0 %	13.1 %	45.2 %	0.0 %	0.0 %	4.8 %	0.0 %	4.8 %	0.0 %	84	41.4 %	6.9 %	10.3 %	41.4 %	203
1987	3.8 %	27.5 %	2.5 %	0.0 %	10.0 %	47.5 %	0.0 %	0.0 %	6.3 %	0.0 %	2.5 %	0.0 %	80	38.3 %	6.7 %	9.6 %	45.5 %	209
1988	3.4 %	28.7 %	2.3 %	0.0 %	10.3 %	46.0 %	0.0 %	0.0 %	9.2 %	0.0 %	0.0 %	0.0 %	87	39.0 %	9.0 %	7.2 %	44.8 %	223
1989	3.6 %	30.1 %	2.4 %	0.0 %	9.6 %	45.8 %	0.0 %	0.0 %	8.4 %	0.0 %	0.0 %	0.0 %	83	38.6 %	9.3 %	7.0 %	45.1 %	215
1990	3.4 %	28.1 %	2.2 %	0.0 %	12.4 %	48.3 %	0.0 %	0.0 %	4.5 %	0.0 %	1.1 %	0.0 %	89	41.8 %	11.3 %	5.2 %	41.8 %	213
1991	3.4 %	28.7 %	3.4 %	0.0 %	13.8 %	49.4 %	0.0 %	0.0 %	1.1 %	0.0 %	0.0 %	0.0 %	87	40.5 %	12.1 %	5.1 %	42.3 %	215
1992	3.5 %	29.4 %	3.5 %	0.0 %	14.1 %	49.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	85	38.6 %	12.7 %	5.0 %	43.6 %	220
1993	2.4 %	29.8 %	3.6 %	0.0 %	14.3 %	50.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	84	37.7 %	13.5 %	4.9 %	43.9 %	223
1994	1.2 %	30.5 %	3.7 %	0.0 %	14.6 %	50.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	82	35.5 %	13.0 %	4.8 %	46.8 %	231

Source: EUROCOPTER

TABLE 4.15

WORLD HELICOPTER FLEET

Category: Heavy

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

	Member State Breakdown in % of EU 12 Total												Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Value World
1986	1.2 %	9.6 %	4.9 %	0.5 %	4.4 %	69.4 %	1.2 %	1.1 %	1.6 %	0.0 %	6.1 %	0.0 %	494	39.5 %	12.6 %	15.2 %	32.7 %	1,250
1987	1.2 %	9.8 %	5.5 %	0.5 %	3.2 %	70.5 %	1.2 %	1.1 %	2.0 %	0.0 %	4.8 %	0.0 %	415	38.0 %	12.3 %	16.1 %	33.6 %	1,093
1988	1.1 %	13.1 %	5.3 %	0.5 %	3.4 %	67.3 %	1.2 %	1.1 %	3.1 %	0.0 %	3.8 %	0.0 %	428	37.7 %	13.2 %	14.2 %	35.0 %	1,137
1989	1.2 %	13.4 %	6.0 %	0.5 %	3.1 %	67.5 %	1.2 %	0.6 %	2.7 %	0.0 %	3.9 %	0.0 %	454	37.7 %	12.9 %	15.0 %	34.4 %	1,205
1990	1.1 %	12.7 %	5.1 %	0.5 %	4.0 %	70.0 %	1.1 %	0.5 %	1.5 %	0.0 %	3.5 %	0.0 %	419	39.9 %	15.2 %	13.0 %	31.9 %	1,049
1991	1.1 %	14.6 %	6.3 %	0.7 %	4.4 %	68.5 %	0.0 %	1.0 %	0.4 %	0.0 %	3.1 %	0.0 %	436	39.1 %	14.7 %	12.1 %	34.1 %	1,115
1992	1.1 %	14.9 %	6.4 %	1.2 %	4.4 %	68.4 %	0.0 %	1.0 %	0.0 %	0.0 %	2.6 %	0.0 %	414	36.5 %	15.1 %	13.6 %	34.9 %	1,136
1993	0.7 %	15.5 %	6.2 %	1.6 %	4.3 %	68.1 %	0.0 %	1.0 %	0.0 %	0.0 %	2.5 %	0.0 %	473	35.8 %	15.1 %	13.8 %	35.3 %	1,320
1994	0.4 %	15.0 %	6.3 %	2.6 %	4.3 %	69.1 %	0.0 %	1.0 %	0.0 %	0.0 %	2.4 %	0.0 %	473	33.8 %	14.3 %	14.1 %	37.8 %	1,398
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	World	
1986	100.0 %	91.0 %	54.1 %	0.0 %	100.0 %	67.7 %	0.0 %	0.0 %	100.0 %	0.0 %	26.0 %	0.0 %	67.1 %	58.1 %	27.5 %	64.2 %	59.0 %	
1987	100.0 %	91.0 %	48.5 %	0.0 %	100.0 %	67.7 %	0.0 %	0.0 %	100.0 %	0.0 %	16.8 %	0.0 %	66.6 %	58.1 %	22.0 %	64.2 %	57.6 %	
1988	100.0 %	93.7 %	49.0 %	0.0 %	100.0 %	72.7 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	71.5 %	64.1 %	19.8 %	63.2 %	60.3 %	
1989	100.0 %	93.6 %	44.4 %	0.0 %	100.0 %	72.8 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	71.4 %	63.7 %	25.2 %	62.2 %	60.3 %	
1990	100.0 %	93.1 %	49.0 %	0.0 %	100.0 %	74.7 %	0.0 %	0.0 %	100.0 %	0.0 %	10.6 %	0.0 %	73.6 %	64.3 %	16.3 %	57.7 %	59.7 %	
1991	100.0 %	81.1 %	59.4 %	0.0 %	100.0 %	76.7 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	74.0 %	69.8 %	17.0 %	57.6 %	60.9 %	
1992	100.0 %	80.3 %	59.9 %	0.0 %	100.0 %	76.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	73.7 %	73.0 %	14.4 %	60.0 %	60.8 %	
1993	100.0 %	75.0 %	59.9 %	0.0 %	100.0 %	76.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	72.5 %	75.6 %	13.6 %	55.6 %	58.9 %	
1994	100.0 %	77.5 %	61.0 %	0.0 %	100.0 %	76.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	72.4 %	77.6 %	12.8 %	61.0 %	60.4 %	
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Value EU12	EU12	Rest of Europe	USA	Rest of World	Value World
1986	1.8 %	13.0 %	3.9 %	0.0 %	6.5 %	70.0 %	0.0 %	0.0 %	2.4 %	0.0 %	2.4 %	0.0 %	332	45.0 %	12.4 %	7.1 %	35.5 %	738
1987	1.8 %	13.3 %	4.0 %	0.0 %	4.8 %	71.7 %	0.0 %	0.0 %	3.0 %	0.0 %	1.2 %	0.0 %	276	43.9 %	12.4 %	6.2 %	37.5 %	629
1988	1.6 %	17.2 %	3.7 %	0.0 %	4.8 %	68.4 %	0.0 %	0.0 %	4.3 %	0.0 %	0.0 %	0.0 %	306	44.7 %	14.0 %	4.6 %	36.6 %	686
1989	1.6 %	17.6 %	3.7 %	0.0 %	4.4 %	68.9 %	0.0 %	0.0 %	3.8 %	0.0 %	0.0 %	0.0 %	324	44.6 %	13.6 %	6.2 %	35.5 %	727
1990	1.5 %	16.1 %	3.4 %	0.0 %	5.5 %	71.1 %	0.0 %	0.0 %	2.0 %	0.0 %	0.5 %	0.0 %	308	49.2 %	16.4 %	3.5 %	30.8 %	626
1991	1.5 %	16.0 %	5.1 %	0.0 %	6.0 %	71.0 %	0.0 %	0.0 %	0.5 %	0.0 %	0.0 %	0.0 %	322	47.5 %	16.8 %	3.4 %	32.3 %	679
1992	1.5 %	16.2 %	5.2 %	0.0 %	6.0 %	71.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	305	44.2 %	18.1 %	3.2 %	34.5 %	691
1993	1.0 %	16.0 %	5.1 %	0.0 %	6.0 %	71.9 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	342	44.0 %	19.4 %	3.2 %	33.4 %	777
1994	0.5 %	16.1 %	5.3 %	0.0 %	5.9 %	72.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	342	40.5 %	18.3 %	3.0 %	38.2 %	845

Source: EUROCOPTER

TABLE 4.16

WORLD HELICOPTER FLEET
Category: Very Heavy
(Units at Year-end)

Year	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0	0.0 %	22.2 %	77.8 %	0.0 %	9
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	0.0 %	22.2 %	77.8 %	0.0 %	9
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	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 %	100.0 %	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 %	100.0 %	0.0 %	0.0 %	0.0 %	4	28.6 %	14.3 %	57.1 %	0.0 %	14
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	6	33.3 %	11.1 %	55.6 %	0.0 %	18

Year	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

Year	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones					
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Rest of World	Units 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	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	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	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	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	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	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	0	0.0 %	0.0 %	0.0 %	0.0 %	0

Source: EUROCOPTER

TABLE 4.17

WORLD HELICOPTER FLEET

Category: Very Heavy

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

	Member State Breakdown in % of EU 12 Total													Value EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12		Rest of Europe	USA	Rest of World	Value World	
1986	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	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 %	100.0 %	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 %	100.0 %	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 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0	0.0 %	22.2 %	77.8 %	0.0 %	120	
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	0.0 %	22.2 %	77.8 %	0.0 %	104	
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	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 %	100.0 %	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 %	100.0 %	0.0 %	0.0 %	0.0 %	91	39.5 %	10.2 %	50.2 %	0.0 %	231	
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	136	45.9 %	8.7 %	45.4 %	0.0 %	297	

	Design Origin EU - Market Shares in Member States													Value EU12	Design Origin EU - Market Shares in Zones				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12		Rest of Europe	USA	Rest of World	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	

	Design Origin EU - Distribution among Member States													Value EU12	Design Origin EU - Distribution among Zones				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12		Rest of Europe	USA	Rest of World	Value 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	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	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	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	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	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	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 %	0.0 %	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 %	0.0 %	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 %	0.0 %	0	0.0 %	0.0 %	0.0 %	0.0 %	0	

Source: EUROCOPTER

TABLE 4.18

WORLD HELICOPTER DELIVERIES
All Categories
(Units at Year-end)

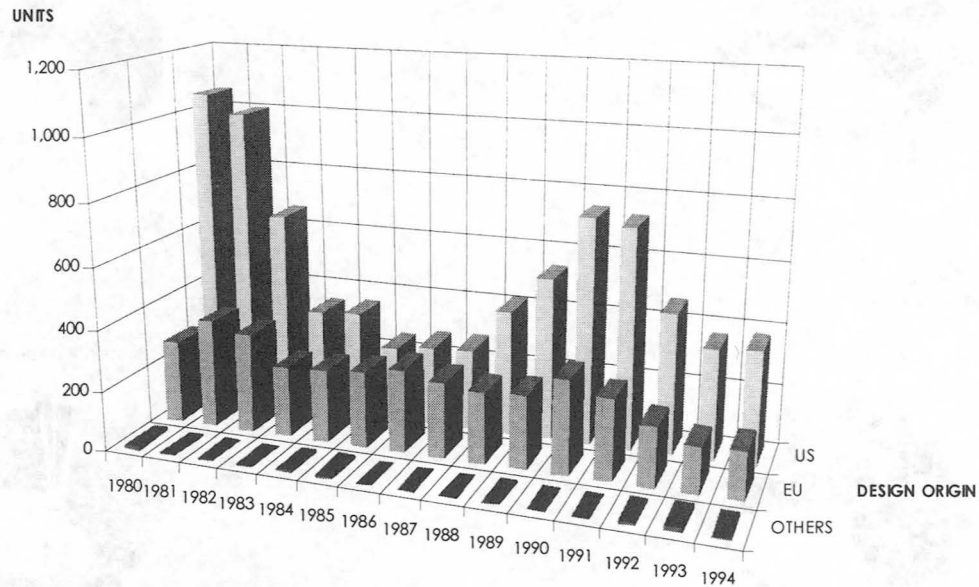
	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	1.2 %	24.1 %	2.4 %	9.6 %	15.7 %	18.1 %	0.0 %	0.0 %	22.9 %	0.0 %	4.8 %	1.2 %	83	15.5 %	5.6 %	47.4 %	31.5 %	534
1987	1.1 %	13.2 %	2.2 %	6.6 %	19.8 %	28.6 %	0.0 %	0.0 %	27.5 %	0.0 %	0.0 %	1.1 %	91	17.7 %	10.1 %	37.3 %	35.0 %	515
1988	0.0 %	9.3 %	1.9 %	7.4 %	23.5 %	43.8 %	0.0 %	0.6 %	12.3 %	0.0 %	1.2 %	0.0 %	162	25.2 %	5.0 %	34.2 %	35.6 %	643
1989	1.1 %	7.2 %	0.6 %	4.4 %	18.2 %	48.1 %	1.1 %	0.6 %	18.8 %	0.0 %	0.0 %	0.0 %	181	23.3 %	5.9 %	34.0 %	36.8 %	777
1990	3.0 %	11.6 %	1.5 %	3.0 %	21.2 %	37.4 %	0.0 %	1.0 %	20.2 %	0.0 %	0.5 %	0.5 %	198	18.9 %	5.8 %	34.7 %	40.6 %	1,049
1991	5.0 %	20.3 %	4.5 %	7.4 %	22.8 %	19.8 %	1.5 %	1.0 %	16.3 %	0.0 %	1.5 %	0.0 %	202	20.5 %	6.7 %	39.0 %	33.8 %	987
1992	3.5 %	19.4 %	4.2 %	6.9 %	19.4 %	16.7 %	2.8 %	0.0 %	23.6 %	0.0 %	1.4 %	2.1 %	144	21.6 %	11.1 %	28.4 %	38.9 %	666
1993	3.2 %	40.9 %	4.3 %	10.8 %	12.9 %	10.8 %	2.2 %	0.0 %	10.8 %	0.0 %	1.1 %	3.2 %	93	17.6 %	8.9 %	33.8 %	39.7 %	527
1994	1.4 %	22.9 %	1.4 %	7.1 %	15.7 %	27.1 %	4.3 %	1.4 %	17.1 %	0.0 %	1.4 %	0.0 %	70	13.1 %	10.3 %	34.8 %	41.9 %	535

	Design Origin EU - Market Shares in Member States												Units EU12	Design Origin EU - Market Shares in Zones				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	World
1986	100.0 %	65.0 %	50.0 %	100.0 %	76.9 %	33.3 %	0.0 %	0.0 %	31.6 %	0.0 %	0.0 %	100.0 %	83	54.2 %	40.0 %	40.7 %	58.9 %	48.5 %
1987	0.0 %	75.0 %	50.0 %	66.7 %	61.1 %	15.4 %	0.0 %	0.0 %	60.0 %	0.0 %	0.0 %	100.0 %	91	49.5 %	38.5 %	41.1 %	53.9 %	46.8 %
1988	0.0 %	46.7 %	33.3 %	83.3 %	39.5 %	9.9 %	0.0 %	0.0 %	35.0 %	0.0 %	0.0 %	0.0 %	162	29.0 %	37.5 %	38.6 %	35.8 %	35.1 %
1989	0.0 %	7.7 %	0.0 %	62.5 %	39.4 %	9.2 %	100.0 %	0.0 %	32.4 %	0.0 %	0.0 %	0.0 %	181	22.1 %	21.7 %	23.5 %	40.2 %	29.2 %
1990	0.0 %	30.4 %	0.0 %	66.7 %	33.3 %	8.1 %	0.0 %	0.0 %	42.5 %	0.0 %	0.0 %	0.0 %	198	24.2 %	34.4 %	25.8 %	32.4 %	28.7 %
1991	10.0 %	19.5 %	11.1 %	60.0 %	39.1 %	15.0 %	0.0 %	0.0 %	39.4 %	0.0 %	0.0 %	0.0 %	202	27.7 %	34.8 %	16.1 %	33.8 %	25.7 %
1992	20.0 %	25.0 %	33.3 %	80.0 %	39.3 %	20.8 %	0.0 %	0.0 %	23.5 %	0.0 %	0.0 %	0.0 %	144	29.2 %	29.7 %	19.0 %	33.6 %	28.1 %
1993	0.0 %	44.7 %	50.0 %	40.0 %	25.0 %	30.0 %	100.0 %	0.0 %	60.0 %	0.0 %	0.0 %	33.3 %	93	40.9 %	23.4 %	23.6 %	27.8 %	28.3 %
1994	0.0 %	50.0 %	0.0 %	80.0 %	36.4 %	21.1 %	66.7 %	0.0 %	16.7 %	0.0 %	0.0 %	0.0 %	70	34.3 %	16.4 %	25.8 %	32.6 %	28.8 %

	Design Origin EU - Distribution among Member States												Units EU12	Design Origin EU - Distribution among Zones				
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Rest of World	Units World
1986	2.2 %	28.9 %	2.2 %	17.8 %	22.4 %	11.1 %	0.0 %	0.0 %	13.3 %	0.0 %	0.0 %	2.2 %	45	17.4 %	4.6 %	39.8 %	38.2 %	259
1987	0.0 %	20.0 %	2.2 %	8.9 %	24.4 %	8.9 %	0.0 %	0.0 %	33.3 %	0.0 %	0.0 %	2.2 %	45	18.7 %	8.3 %	32.8 %	40.2 %	241
1988	0.0 %	14.9 %	2.1 %	21.3 %	31.9 %	14.9 %	0.0 %	0.0 %	14.9 %	0.0 %	0.0 %	0.0 %	47	20.8 %	5.3 %	37.6 %	36.3 %	226
1989	0.0 %	2.5 %	0.0 %	12.5 %	32.5 %	20.0 %	5.0 %	0.0 %	27.5 %	0.0 %	0.0 %	0.0 %	40	17.6 %	4.4 %	27.3 %	50.7 %	227
1990	0.0 %	14.6 %	0.0 %	8.3 %	29.2 %	12.5 %	0.0 %	0.0 %	35.4 %	0.0 %	0.0 %	0.0 %	48	15.9 %	7.0 %	31.2 %	45.8 %	301
1991	1.8 %	14.3 %	1.8 %	16.1 %	32.1 %	10.7 %	0.0 %	0.0 %	23.2 %	0.0 %	0.0 %	0.0 %	56	22.0 %	9.1 %	24.4 %	44.5 %	254
1992	2.4 %	16.7 %	4.8 %	19.0 %	26.2 %	11.9 %	0.0 %	0.0 %	19.0 %	0.0 %	0.0 %	0.0 %	42	22.5 %	11.8 %	19.3 %	46.5 %	187
1993	0.0 %	44.7 %	5.3 %	10.5 %	7.9 %	7.9 %	5.3 %	0.0 %	15.8 %	0.0 %	0.0 %	2.6 %	38	25.5 %	7.4 %	28.2 %	38.9 %	149
1994	0.0 %	33.3 %	0.0 %	16.7 %	16.7 %	16.7 %	8.3 %	0.0 %	8.3 %	0.0 %	0.0 %	0.0 %	24	15.6 %	5.8 %	31.2 %	47.4 %	154

Source: EUROCOPTER

CHART 4.1 1980 - 1994 ANNUAL HELICOPTER DELIVERIES TO WORLD MARKET BY DESIGN ORIGIN

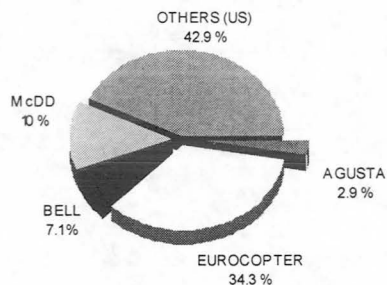


Source: EUROCOPTER

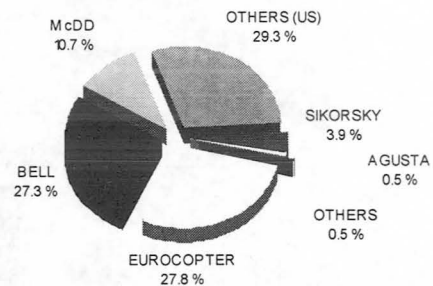
CHART 4.2

1994 SHARE OF DELIVERIES BY MANUFACTURER

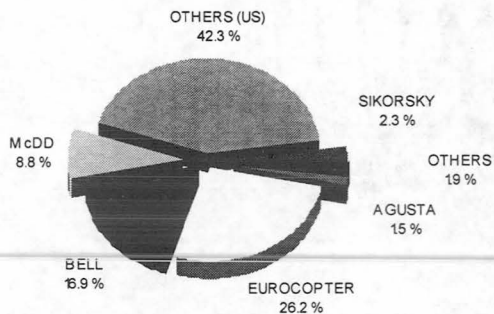
EU12 MARKET



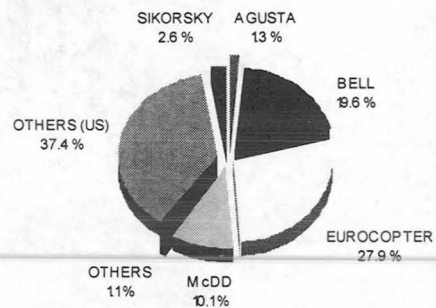
NORTH AMERICAN MARKET



OTHER MARKET



WORLD MARKET



Source: EUROCOPTER

Chapter 5

Civil Turbine Engines

Data relating to civil turbine engines are extracted from JP Airlines Fleet (BUCHair database) - situation January 1996. This database holds information on the current fleet, i.e. aircraft in service as of January 1996, by year of manufacture of aircraft. It contains, for each aircraft, the number and type of engine it is equipped with.

The following tables show the engines in operation broken down by category of engine, manufacturer and year of manufacture of aircraft.

Engines are grouped according to type - fan/jet or prop/shaft - and for fan/jets according to max take-off static thrust as follows:

Engine categories

- Turbofan/jet <= 10,000 lbs
- Turbofan/jet 10,001 - 20,000 lbs
- Turbofan/jet 20,001 - 35,000 lbs
- Turbofan/jet 35,001 - 50,000 lbs
- Turbofan/jet > 50,000 lbs
- Turboprop and Turboshaft

The basis for the classification of engines is Jane's All the World's Aircraft.

The tables show the aircraft manufacturing years from 1981 to 1995, and include the following manufacturers:

Manufacturers

Allison	US
CFM International	Int'l
DEMC	CN
Garrett	US
General Electric	US
IAE	Int'l
Ivchenko	RU
KKBM	RU
Klimov	RU
Pratt & Whitney	US
Pratt & Whitney Canada	CA
PZL	PL
Rolls-Royce	GB
Soloviev MKB	RU
Textron Lycoming	US
Turbomeca	FR
Williams	US
ZMDB Progress	UA

Manufacturer reflects the company which originated the design or has significantly re-designed / developed the engine, and does not necessarily indicate production/assembly origin.

The following engines are included:

Turbofan/jet <= 10,000 lbs

Garrett	ATF3 • TFE731
General Electric	CF34 • CF700 • CJ610
Pratt & Whitney Canada	JT15D • PW305
Textron Lycoming	ALF 502L • ALF 502R • LF 502 • LF 507
Williams	FJ44
Ivchenko	AI-25

Turbofan/jet 10,001 - 20,000 lbs

CFM International	CFM56-3
Pratt & Whitney	JT8D-17 • JT8D-200 • JT3D
Rolls-Royce	Spey 511 • Tay
ZMDB Progress	D-36 • LO D-436T1

Turbofan/jet 20,001 - 35,000 lbs

CFM International	CFM56-5
IAE	V2500
KKBM	NK-8
Soloviev MKB	D-30

Turbofan/jet 35,001 - 50,000 lbs

General Electric	CF6A
Pratt & Whitney	JT9D • JT9D-7R • PW2000
Rolls-Royce	RB211-22/535
Soloviev MKB	PS

Turbofan/jet > 50,000 lbs

General Electric	CF6 • GE90
Pratt & Whitney	PW4000 • PW4074
Rolls-Royce	RB211-524 • Trent

Turboprop and Turboshaft

Allison	AN 250 • AN 501 • GMA 2100
DEMC	HS5/6 • WJ 5A
Garrett	TPE331-10 • TPF351
General Electric	CT64 • CT7
Klimov	TV3 • TV7
Pratt & Whitney Canada	PT6A • PT6B • PT6T • PW100
PZL	GTD • PZL-10W • PZL-F6A • TVD
Rolls-Royce	Dart • Gem • Gnome
Soloviev MKB	D-25
Textron Lycoming	LTS 101
Turbomeca	Ariel • Arrius • Artouste • Astazov • Makila • Turmo
ZMDB Progress	AI-20 • AI-24 • D-136 • D-18T

TABLE 5.1

CIVIL TURBINE ENGINES INVENTORY AS OF JANUARY 1996

Manufacturers' Share of Engines in Operation by Year of Manufacture of Aircraft

	Turbofan/jet <= 10,000 lbs						Turbofan/jet 10,001 - 20,000 lbs				
	Breakdown by units						Breakdown by units				
	Garrett	General Electric	Pratt & Whitney Canada	Textron Lycoming	Williams	Total Units	CFM International	Pratt & Whitney	Rolls-Royce	ZMDB Progress	Total Units
1981	58.1 %	4.7 %	32.4 %	4.7 %	0.0 %	253	0.0 %	93.0 %	6.1 %	0.9 %	657
1982	58.5 %	1.1 %	29.5 %	10.9 %	0.0 %	183	0.0 %	84.4 %	8.9 %	6.7 %	448
1983	38.1 %	6.3 %	11.1 %	44.4 %	0.0 %	126	0.0 %	78.1 %	19.9 %	2.0 %	302
1984	30.7 %	14.4 %	20.9 %	34.0 %	0.0 %	153	6.8 %	70.9 %	10.5 %	11.8 %	323
1985	27.6 %	7.4 %	13.5 %	51.5 %	0.0 %	163	38.6 %	46.9 %	7.2 %	7.2 %	414
1986	30.8 %	10.1 %	13.8 %	45.3 %	0.0 %	159	46.5 %	41.9 %	6.8 %	4.8 %	559
1987	32.2 %	1.1 %	9.8 %	56.8 %	0.0 %	183	44.4 %	41.4 %	6.0 %	8.2 %	599
1988	19.8 %	3.0 %	10.2 %	67.0 %	0.0 %	197	47.7 %	38.6 %	5.6 %	8.1 %	679
1989	35.6 %	2.0 %	10.8 %	51.5 %	0.0 %	295	46.1 %	37.4 %	8.0 %	8.5 %	625
1990	28.3 %	4.4 %	10.6 %	56.6 %	0.0 %	226	43.2 %	34.4 %	10.9 %	11.5 %	825
1991	25.3 %	1.8 %	17.8 %	55.1 %	0.0 %	225	50.3 %	30.3 %	14.1 %	5.3 %	891
1992	25.4 %	14.3 %	25.4 %	34.9 %	0.0 %	126	54.9 %	23.2 %	14.8 %	7.2 %	838
1993	22.6 %	25.8 %	14.0 %	34.4 %	3.2 %	186	53.4 %	11.5 %	18.5 %	16.6 %	607
1994	6.6 %	31.6 %	9.2 %	47.4 %	5.3 %	152	67.2 %	11.7 %	14.9 %	6.1 %	375
1995	1.3 %	43.4 %	0.0 %	55.3 %	0.0 %	152	55.5 %	10.9 %	30.5 %	3.1 %	256
	Breakdown by thrust						Breakdown by thrust				
	Garrett	General Electric	Pratt & Whitney Canada	Textron Lycoming	Williams	Total Thrust Mio lbs	CFM International	Pratt & Whitney	Rolls-Royce	ZMDB Progress	Total Thrust Mio lbs
1981	63.9 %	5.6 %	21.2 %	9.3 %	0.0 %	0.966	0.0 %	94.3 %	4.9 %	0.8 %	10.313
1982	60.6 %	1.2 %	18.2 %	20.0 %	0.0 %	0.741	0.0 %	86.8 %	7.1 %	6.1 %	7.062
1983	29.9 %	6.7 %	5.2 %	58.2 %	0.0 %	0.674	0.0 %	82.5 %	15.7 %	1.8 %	4.799
1984	24.8 %	21.4 %	9.8 %	44.0 %	0.0 %	0.816	8.2 %	73.6 %	8.0 %	10.2 %	5.346
1985	20.9 %	9.0 %	6.0 %	64.1 %	0.0 %	0.917	42.0 %	47.4 %	4.9 %	5.6 %	7.616
1986	22.8 %	16.1 %	6.0 %	55.1 %	0.0 %	0.915	49.5 %	42.2 %	4.6 %	3.7 %	10.512
1987	23.8 %	1.8 %	4.6 %	69.9 %	0.0 %	1.042	47.4 %	42.2 %	4.1 %	6.3 %	11.224
1988	13.7 %	4.6 %	4.4 %	77.3 %	0.0 %	1.196	50.0 %	39.9 %	4.1 %	6.1 %	12.964
1989	26.8 %	3.4 %	5.2 %	64.7 %	0.0 %	1.645	48.3 %	39.3 %	6.0 %	6.4 %	11.917
1990	20.3 %	7.0 %	5.0 %	67.7 %	0.0 %	1.323	46.0 %	36.7 %	8.6 %	8.8 %	15.490
1991	19.2 %	3.0 %	8.4 %	69.4 %	0.0 %	1.250	53.1 %	32.0 %	11.0 %	4.0 %	16.886
1992	18.6 %	23.0 %	15.6 %	42.7 %	0.0 %	0.721	58.3 %	24.5 %	11.7 %	5.4 %	15.791
1993	15.0 %	37.6 %	9.0 %	37.4 %	1.0 %	1.178	58.9 %	12.7 %	15.2 %	13.2 %	11.004
1994	4.0 %	42.0 %	6.0 %	46.6 %	1.4 %	1.055	71.1 %	12.4 %	11.9 %	4.6 %	7.090
1995	0.7 %	51.0 %	0.0 %	48.3 %	0.0 %	1.194	61.3 %	12.1 %	24.1 %	2.6 %	4.634

Source: BUCHAir

TABLE 5.2

CIVIL TURBINE ENGINES INVENTORY AS OF JANUARY 1996

Manufacturers' Share of Engines in Operation by Year of Manufacture of Aircraft

	Turbofan/jet 20,001 - 35,000 lbs					Turbofan/jet 35,001 - 50,000 lbs					Turbofan/jet > 50,000 lbs				
	Breakdown by units					Breakdown by units					Breakdown by units				
	CFM International	IAE	KKBM	Soloviev MKB	Total Units	General Electric	Pratt & Whitney	Rolls-Royce	Soloviev MKB	Total Units	General Electric	Pratt & Whitney	Rolls-Royce	Total Units	
1981	0.0%	0.0%	42.2%	57.8%	443	17.1%	72.6%	10.3%	0.0%	146	52.6%	0.0%	47.4%	289	
1982	0.0%	0.0%	38.0%	62.0%	432	21.8%	62.4%	15.8%	0.0%	165	62.1%	0.0%	37.9%	169	
1983	0.0%	0.0%	35.4%	64.6%	362	32.4%	53.7%	13.9%	0.0%	259	57.5%	1.8%	40.7%	113	
1984	0.0%	0.0%	19.4%	80.6%	314	25.5%	65.7%	8.8%	0.0%	204	67.6%	0.0%	32.4%	37	
1985	0.0%	0.0%	8.5%	91.5%	271	28.1%	54.2%	17.7%	0.0%	192	58.6%	9.2%	32.2%	87	
1986	0.0%	0.0%	10.2%	89.8%	392	24.5%	60.6%	14.9%	0.0%	188	73.4%	1.4%	25.2%	143	
1987	2.9%	0.7%	10.1%	86.2%	276	16.3%	61.6%	22.1%	0.0%	172	69.1%	12.1%	18.8%	149	
1988	9.6%	0.0%	2.4%	88.0%	332	11.3%	60.8%	27.8%	0.0%	194	84.5%	12.0%	3.4%	233	
1989	12.2%	13.6%	9.1%	65.1%	441	1.6%	31.7%	58.7%	7.9%	126	48.1%	35.2%	16.7%	324	
1990	27.5%	5.0%	5.5%	61.9%	436	3.4%	50.0%	44.3%	2.3%	176	46.4%	32.8%	20.8%	500	
1991	34.7%	9.4%	6.7%	49.2%	594	7.7%	48.4%	40.7%	3.3%	182	49.9%	37.2%	12.9%	543	
1992	28.0%	14.5%	3.2%	54.3%	622	1.0%	52.5%	42.6%	4.0%	202	48.4%	41.5%	10.1%	612	
1993	30.0%	16.1%	4.2%	49.7%	473	0.0%	36.9%	48.8%	14.3%	168	48.8%	42.9%	8.3%	527	
1994	54.5%	32.9%	0.0%	12.6%	286	0.0%	10.7%	81.3%	8.0%	150	54.1%	38.2%	7.7%	364	
1995	67.6%	21.3%	0.0%	11.1%	207	0.0%	9.5%	81.0%	9.5%	84	34.0%	52.5%	13.6%	265	
	Breakdown by thrust					Breakdown by thrust					Breakdown by thrust				
	CFM International	IAE	KKBM	Soloviev MKB	Total Thrust Mio lbs	General Electric	Pratt & Whitney	Rolls-Royce	Soloviev MKB	Total Thrust Mio lbs	General Electric	Pratt & Whitney	Rolls-Royce	Total Thrust Mio lbs	
1981	0.0%	0.0%	41.1%	58.9%	10,537	17.8%	72.8%	9.4%	0.0%	6,727	55.3%	0.0%	44.7%	15,944	
1982	0.0%	0.0%	36.9%	63.1%	10,296	22.8%	62.8%	14.4%	0.0%	7,586	63.4%	0.0%	36.6%	9,081	
1983	0.0%	0.0%	34.3%	65.7%	8,638	32.8%	55.0%	12.3%	0.0%	12,308	58.6%	1.7%	39.7%	6,029	
1984	0.0%	0.0%	18.7%	81.3%	7,547	26.1%	66.0%	7.9%	0.0%	9,565	70.5%	0.0%	29.5%	2,117	
1985	0.0%	0.0%	8.1%	91.9%	6,546	29.5%	54.3%	16.2%	0.0%	8,798	63.2%	8.2%	28.6%	5,090	
1986	0.0%	0.0%	9.8%	90.2%	9,462	25.9%	60.3%	13.8%	0.0%	8,514	76.3%	1.2%	22.5%	8,329	
1987	2.7%	0.7%	9.8%	86.9%	6,640	17.3%	62.2%	20.5%	0.0%	7,779	70.0%	11.8%	18.2%	7,988	
1988	8.8%	0.0%	2.3%	88.8%	7,970	12.0%	62.1%	25.9%	0.0%	8,771	84.9%	11.7%	3.3%	12,531	
1989	11.4%	12.7%	8.9%	67.0%	10,394	1.8%	31.6%	59.8%	6.8%	5,197	46.4%	36.0%	17.6%	17,780	
1990	25.8%	4.7%	5.4%	64.0%	10,227	3.9%	50.0%	44.2%	1.9%	7,408	44.8%	33.1%	22.0%	27,712	
1991	33.1%	8.9%	6.7%	51.3%	13,808	8.9%	47.3%	41.1%	2.8%	7,569	47.8%	38.5%	13.8%	30,032	
1992	26.8%	13.6%	3.2%	56.4%	14,541	1.1%	52.5%	43.0%	3.4%	8,397	46.1%	43.1%	10.8%	33,736	
1993	33.5%	15.0%	3.9%	47.6%	11,963	0.0%	37.6%	50.1%	12.3%	6,874	46.7%	44.3%	8.9%	29,067	
1994	57.6%	31.1%	0.0%	11.2%	7,775	0.0%	11.0%	82.2%	6.8%	6,230	52.0%	39.8%	8.2%	20,129	
1995	68.5%	21.6%	0.0%	9.9%	5,651	0.0%	9.5%	82.4%	8.1%	3,468	30.9%	54.2%	14.9%	15,894	

Source: BUCHAIR

TABLE 5.3

CIVIL TURBINE ENGINES INVENTORY AS OF JANUARY 1996
Manufacturers' Share of Engines in Operation by Year of Manufacture of Aircraft

Turbofan/jet Total													
<i>Breakdown by units</i>													
	CFM International	Garrett	General Electric	IAE	KKBM	Pratt & Whitney	Pratt & Whitney Canada	Rolls-Royce	Soloviev MKB	Textron Lycoming	Williams	ZMDB Progress	Total Units
1981	0.0 %	8.2 %	10.6 %	0.0 %	10.5 %	40.1 %	4.6 %	10.7 %	14.3 %	0.7 %	0.0 %	0.3 %	1,788
1982	0.0 %	7.7 %	10.2 %	0.0 %	11.7 %	34.4 %	3.9 %	9.3 %	19.2 %	1.4 %	0.0 %	2.1 %	1,397
1983	0.0 %	4.1 %	13.5 %	0.0 %	11.0 %	32.4 %	1.2 %	12.2 %	20.1 %	4.8 %	0.0 %	0.5 %	1,162
1984	2.1 %	4.6 %	9.6 %	0.0 %	5.9 %	35.2 %	3.1 %	6.2 %	24.5 %	5.0 %	0.0 %	3.7 %	1,031
1985	14.2 %	4.0 %	10.4 %	0.0 %	2.0 %	27.2 %	2.0 %	8.2 %	22.0 %	7.5 %	0.0 %	2.7 %	1,127
1986	18.0 %	3.4 %	11.6 %	0.0 %	2.8 %	24.3 %	1.5 %	7.1 %	24.4 %	5.0 %	0.0 %	1.9 %	1,441
1987	19.9 %	4.3 %	9.6 %	0.1 %	2.0 %	27.0 %	1.3 %	7.4 %	17.3 %	7.5 %	0.0 %	3.6 %	1,379
1988	21.8 %	2.4 %	13.8 %	0.0 %	0.5 %	25.0 %	1.2 %	6.1 %	17.9 %	8.1 %	0.0 %	3.4 %	1,635
1989	18.9 %	5.8 %	9.1 %	3.3 %	2.2 %	21.4 %	1.8 %	9.8 %	16.4 %	8.4 %	0.0 %	2.9 %	1,811
1990	22.0 %	3.0 %	11.5 %	1.0 %	1.1 %	24.8 %	1.1 %	12.6 %	12.7 %	5.9 %	0.0 %	4.4 %	2,163
1991	26.9 %	2.3 %	11.9 %	2.3 %	1.6 %	23.0 %	1.6 %	11.1 %	12.2 %	5.1 %	0.0 %	1.9 %	2,435
1992	26.4 %	1.3 %	13.2 %	3.8 %	0.8 %	23.1 %	1.3 %	11.3 %	14.4 %	1.8 %	0.0 %	2.5 %	2,400
1993	23.8 %	2.1 %	15.6 %	3.9 %	1.0 %	18.3 %	1.3 %	12.1 %	13.2 %	3.3 %	0.3 %	5.2 %	1,961
1994	30.7 %	0.8 %	18.5 %	7.1 %	0.0 %	15.0 %	1.1 %	15.5 %	3.6 %	5.4 %	0.6 %	1.7 %	1,327
1995	29.3 %	0.2 %	16.2 %	4.6 %	0.0 %	18.2 %	0.0 %	18.9 %	3.2 %	8.7 %	0.0 %	0.8 %	964
<i>Breakdown by thrust</i>													
	CFM International	Garrett	General Electric	IAE	KKBM	Pratt & Whitney	Pratt & Whitney Canada	Rolls-Royce	Soloviev MKB	Textron Lycoming	Williams	ZMDB Progress	Total Thrust Mio lbs
1981	0.0 %	1.4 %	22.6 %	0.0 %	9.7 %	32.9 %	0.5 %	18.6 %	14.0 %	0.2 %	0.0 %	0.2 %	44,488
1982	0.0 %	1.3 %	21.5 %	0.0 %	10.9 %	31.3 %	0.4 %	14.2 %	18.7 %	0.4 %	0.0 %	1.2 %	34,765
1983	0.0 %	0.6 %	23.5 %	0.0 %	9.1 %	33.4 %	0.1 %	14.4 %	17.5 %	1.2 %	0.0 %	0.3 %	32,447
1984	1.7 %	0.8 %	16.4 %	0.0 %	5.6 %	40.4 %	0.3 %	7.1 %	24.2 %	1.4 %	0.0 %	2.1 %	25,391
1985	11.0 %	0.7 %	20.3 %	0.0 %	1.8 %	30.4 %	0.2 %	11.3 %	20.8 %	2.0 %	0.0 %	1.5 %	28,967
1986	13.8 %	0.6 %	23.1 %	0.0 %	2.5 %	25.6 %	0.1 %	9.4 %	22.6 %	1.3 %	0.0 %	1.0 %	37,731
1987	15.9 %	0.7 %	20.0 %	0.1 %	1.9 %	30.3 %	0.1 %	10.1 %	16.6 %	2.1 %	0.0 %	2.0 %	34,672
1988	16.5 %	0.4 %	27.1 %	0.0 %	0.4 %	27.8 %	0.1 %	7.4 %	16.3 %	2.1 %	0.0 %	1.8 %	43,431
1989	14.8 %	0.9 %	17.9 %	2.8 %	2.0 %	27.1 %	0.2 %	14.8 %	15.6 %	2.3 %	0.0 %	1.6 %	46,933
1990	15.7 %	0.4 %	20.6 %	0.8 %	0.9 %	29.9 %	0.1 %	17.2 %	10.8 %	1.4 %	0.0 %	2.2 %	62,161
1991	19.5 %	0.3 %	21.7 %	1.8 %	1.3 %	29.5 %	0.2 %	13.1 %	10.5 %	1.2 %	0.0 %	1.0 %	69,544
1992	17.9 %	0.2 %	21.6 %	2.7 %	0.6 %	31.2 %	0.2 %	12.5 %	11.6 %	0.4 %	0.0 %	1.2 %	73,186
1993	17.5 %	0.3 %	23.3 %	3.0 %	0.8 %	28.1 %	0.2 %	12.8 %	10.9 %	0.7 %	0.0 %	2.4 %	60,084
1994	22.5 %	0.1 %	25.8 %	5.7 %	0.0 %	22.7 %	0.1 %	18.0 %	3.1 %	1.2 %	0.0 %	0.8 %	42,278
1995	21.8 %	0.0 %	17.9 %	4.0 %	0.0 %	30.8 %	0.0 %	20.5 %	2.7 %	1.9 %	0.0 %	0.4 %	30,841

Source: BUCHAIR

TABLE 5.4

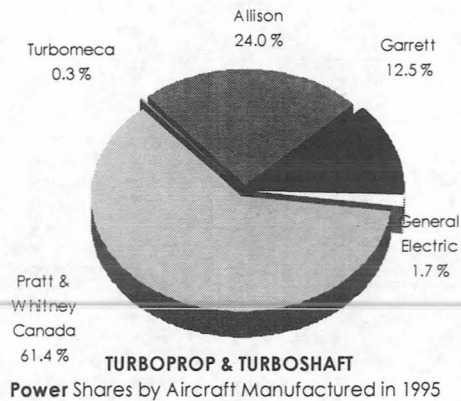
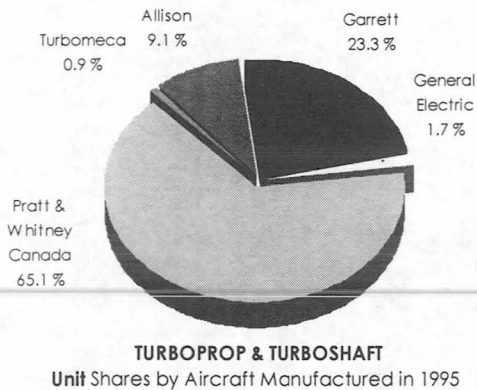
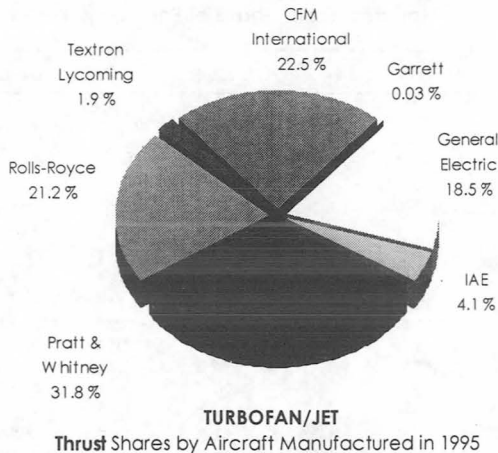
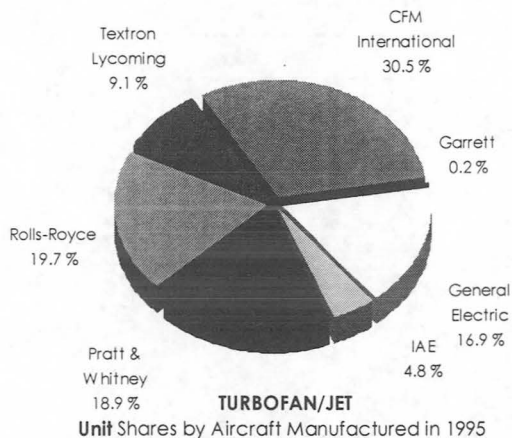
CIVIL TURBINE ENGINES INVENTORY AS OF JANUARY 1996

Manufacturers' Share of Engines in Operation by Year of Manufacture of Aircraft

Turboprop and Turboshaft												
Breakdown by units												
	Allison	DEMC	Garrett	General Electric	Klimov	Pratt & Whitney Canada	PZL	Rolls-Royce	Textron Lycoming	Turbomeca	ZMDB Progress	Total Units
1981	27.5 %	0.1 %	11.4 %	0.3 %	0.0 %	40.2 %	1.8 %	2.5 %	1.8 %	7.5 %	6.8 %	1,524
1982	30.8 %	0.0 %	13.5 %	1.2 %	0.0 %	28.1 %	2.3 %	4.2 %	1.8 %	12.4 %	5.7 %	1,198
1983	21.1 %	0.7 %	21.0 %	1.4 %	0.0 %	21.9 %	2.8 %	2.8 %	2.6 %	15.7 %	9.9 %	848
1984	17.3 %	3.9 %	13.4 %	3.3 %	0.0 %	31.3 %	6.7 %	4.9 %	3.6 %	10.8 %	4.9 %	779
1985	13.5 %	2.2 %	18.6 %	6.2 %	0.2 %	34.3 %	3.8 %	1.5 %	4.4 %	10.0 %	5.3 %	904
1986	7.2 %	1.2 %	18.3 %	6.9 %	0.0 %	36.9 %	8.7 %	2.6 %	6.7 %	6.4 %	5.1 %	1,015
1987	8.6 %	1.7 %	15.3 %	7.2 %	1.4 %	41.6 %	7.7 %	1.7 %	3.1 %	6.6 %	5.0 %	1,033
1988	7.6 %	2.3 %	13.3 %	6.6 %	0.0 %	51.8 %	3.3 %	0.3 %	2.4 %	4.8 %	7.6 %	1,155
1989	10.1 %	2.9 %	8.0 %	6.6 %	1.5 %	54.1 %	4.9 %	0.0 %	2.5 %	5.2 %	4.2 %	1,182
1990	10.9 %	1.7 %	9.0 %	8.8 %	1.8 %	49.3 %	4.6 %	0.2 %	4.1 %	6.0 %	3.8 %	1,317
1991	11.3 %	1.6 %	8.5 %	8.5 %	10.3 %	40.2 %	1.3 %	0.0 %	1.9 %	10.9 %	5.6 %	1,404
1992	8.1 %	0.0 %	10.9 %	9.8 %	10.6 %	44.7 %	0.0 %	0.0 %	0.0 %	7.5 %	8.4 %	1,042
1993	4.9 %	1.2 %	13.5 %	8.3 %	4.9 %	54.5 %	0.0 %	0.0 %	1.2 %	7.2 %	4.3 %	695
1994	6.7 %	0.8 %	9.2 %	3.4 %	2.1 %	63.7 %	0.0 %	0.0 %	0.4 %	11.1 %	2.5 %	477
1995	8.6 %	0.0 %	22.2 %	1.6 %	0.0 %	61.9 %	0.0 %	0.0 %	0.0 %	0.8 %	4.9 %	370
Breakdown by power												
	Allison	DEMC	Garrett	General Electric	Klimov	Pratt & Whitney Canada	PZL	Rolls-Royce	Textron Lycoming	Turbomeca	ZMDB Progress	Total Power Mio kW
1981	17.8 %	0.0 %	11.4 %	0.9 %	0.0 %	37.5 %	0.8 %	5.6 %	1.3 %	6.2 %	18.5 %	1,071
1982	18.9 %	0.0 %	13.3 %	2.1 %	0.0 %	26.2 %	1.0 %	9.2 %	1.2 %	13.0 %	15.1 %	0,855
1983	13.8 %	0.2 %	17.6 %	2.2 %	0.0 %	18.1 %	1.0 %	5.3 %	1.6 %	17.7 %	22.5 %	0,709
1984	7.7 %	4.3 %	12.3 %	5.7 %	0.0 %	29.9 %	3.0 %	10.1 %	2.4 %	12.3 %	12.3 %	0,590
1985	7.0 %	4.4 %	12.5 %	7.7 %	0.3 %	24.5 %	1.2 %	2.4 %	2.1 %	6.9 %	30.9 %	0,940
1986	1.6 %	1.6 %	8.6 %	6.0 %	0.0 %	23.0 %	2.0 %	1.9 %	2.3 %	2.2 %	50.7 %	1,515
1987	2.5 %	1.7 %	5.1 %	4.4 %	1.0 %	18.4 %	1.7 %	0.8 %	0.7 %	1.9 %	61.7 %	2,188
1988	0.7 %	0.9 %	2.5 %	2.3 %	0.0 %	14.3 %	0.4 %	0.1 %	0.3 %	0.7 %	77.6 %	4,247
1989	2.0 %	2.8 %	3.3 %	5.0 %	1.5 %	33.3 %	1.6 %	0.0 %	0.8 %	1.7 %	48.1 %	2,009
1990	3.4 %	2.4 %	5.9 %	10.6 %	2.8 %	49.5 %	3.1 %	0.2 %	1.9 %	3.7 %	16.4 %	1,424
1991	3.1 %	1.8 %	3.4 %	6.2 %	9.3 %	24.8 %	0.5 %	0.0 %	0.5 %	3.8 %	46.5 %	2,521
1992	2.3 %	0.0 %	3.7 %	6.1 %	8.3 %	24.4 %	0.0 %	0.0 %	0.0 %	2.1 %	53.2 %	2,165
1993	0.7 %	1.1 %	4.3 %	4.9 %	3.7 %	26.7 %	0.0 %	0.0 %	0.3 %	2.0 %	56.4 %	1,544
1994	5.3 %	0.7 %	2.7 %	1.8 %	1.4 %	30.3 %	0.0 %	0.0 %	0.1 %	3.0 %	54.6 %	1,135
1995	15.5 %	0.0 %	8.1 %	1.1 %	0.0 %	39.7 %	0.0 %	0.0 %	0.0 %	0.2 %	35.4 %	0,709

Source: BUChAir

CHART 5.1



Source: BUCAir

Chapter 6

Military Fixed-Wing Aircraft

Data relating to **military fixed-wing aircraft** are provided by Walters Research Company. They cover the number of military aircraft in service in the world. Assessment of fleets excludes aircraft in long term storage unless replacement outstanding. Former Warsaw Pact and P.R.China fleets have been excluded throughout, however military aircraft exported by these countries have been included in the relevant category under design origin 'Other'.

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 air force are double counted as they may be included in the *civil transport aircraft* fleets presented in Chapters 2 and 3.

Military aircraft are broken down into the following categories:

- Interceptor / Air Superiority
- Fighter / Attack
- Attack
- Bomber / Interdictor
- AEW / Maritime Patrol / Electronics
- Advanced Trainer / Light Attack
- Elementary/Basic Trainer
- Transport - Tactical/Strategic/Tanker
- Transport - V.I.P./Liaison/Communication

Flight refuelling tankers have been included in the tactical/strategic transport category since the majority have dual transport role. Transports and trainers have been sub-categorised to provide more useful data.

Military aircraft are broken down according to design origin:

- EU;
- USA;
- Other.

Design origin reflects country of original design and not necessarily the country of production and/or assembly.

Military aircraft are broken down into the following geographical areas where they are operated:

- *EU12*
including all States with full membership in 1994;
- *Other Europe*
including Austria, Croatia, Cyprus, Finland, Iceland, Krajina, Malta, Norway, Serbia, Serbian Bosnia, Slovenia, Sweden, Switzerland, Turkey;
- *USA*;
- *Canada*;
- *Latin America and Caribbean*
including Argentina, Bahamas, Belize, 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 and North Africa*
including Algeria, Bahrain, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, United Arab Emirates, Yemen;
- *Africa South of Sahara*
including Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Congo, Congo Kinhasa, Djibouti, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bisseau, Guinea Republic, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger,

Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, Swaziland, Tanzania, Tchad, Togo, Uganda, Zambia, Zimbabwe;

- *Republic of South Africa*;
- *Asia*
including Afghanistan, Bangladesh, Brunei, Cambodia, India, Indonesia, Japan, Korea Democratic People's Republic, Laos, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Republic of Korea, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam;
- *Australasia*
including Australia, Fiji, New Zealand, Papua New Guinea.

This chapter first presents a summary of the world fleet for 1994, with a breakdown of the fleet by aircraft category, design origin and geographical area.

Following that are two elaborate series on the fleet distribution on aircraft categories - the first series presents a summary with no regard to design origin, the second breaks down the total into the three design origin groups.

On request from a number of readers the tables on values and average unit replacement costs are no longer included.

TABLE 6.3 (a)

MILITARY FIXED-WING AIRCRAFT FLEET

Summary of Fleet (Units at Year-end)

1994

	Total Figures										Total Units
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	
Interceptor / Air Superiority	436	16	1,140	0	48	641	0	0	414	0	2,695
Fighter / Attack	1,815	1,503	1,903	207	722	2,854	569	59	3,620	71	13,323
Attack	402	210	1,155	0	234	509	60	0	620	14	3,204
Bomber / Interdictor	671	0	322	0	30	128	0	0	127	19	1,297
AEW / Maritime Patrol / Electronics	252	62	821	21	94	26	6	0	266	28	1,576
Advanced Trainer / Light Attack	835	460	1,086	204	533	677	223	200	600	55	4,873
Elementary / Basic Trainer	1,132	460	1,063	0	1,191	898	287	60	1,478	88	6,657
Transport - Tactical / Strategic / Tanker	559	146	1,693	70	634	485	283	41	886	76	4,873
Communications	689	296	639	23	796	382	290	24	823	56	4,018
Total	6,791	3,153	9,822	525	4,282	6,600	1,718	384	8,834	407	42,516

	Design Origin EU										Total Units
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	
Interceptor / Air Superiority	393	0	0	0	12	77	0	0	105	0	587
Fighter / Attack	802	134	0	0	250	482	18	59	226	0	1,971
Attack	312	1	0	0	13	22	15	0	119	0	482
Bomber / Interdictor	671	0	0	0	30	48	0	0	47	0	796
AEW / Maritime Patrol / Electronics	172	0	0	0	0	0	2	0	17	0	191
Advanced Trainer / Light Attack	699	71	0	0	183	228	114	200	57	49	1,601
Elementary / Basic Trainer	667	89	0	0	56	433	151	0	194	0	1,590
Transport - Tactical / Strategic / Tanker	370	39	2	7	119	85	91	0	191	23	927
Communications	472	39	0	0	50	86	179	3	161	8	998
Total	4,558	373	2	7	713	1,461	570	262	1,117	80	9,143

Source: Walters Research

TABLE 6.3 (b)

MILITARY FIXED-WING AIRCRAFT FLEET

Summary of Fleet (Units at Year-end)

1994

	<i>Design origin USA</i>										Total Units
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	
Interceptor / Air Superiority	19	0	1,140	0	0	249	0	0	183	0	1,591
Fighter / Attack	1,013	805	1,903	207	134	860	11	0	1,432	71	6,436
Attack	90	0	1,155	0	120	187	0	0	179	14	1,745
Bomber / Interdictor	0	0	322	0	0	0	0	0	0	19	341
AEW / Maritime Patrol / Electronics	45	59	821	21	67	23	0	0	200	28	1,264
Advanced Trainer / Light Attack	136	95	1,076	60	311	10	0	0	200	6	1,894
Elementary / Basic Trainer	138	137	1,063	0	418	70	29	0	288	0	2,143
Transport - Tactical / Strategic / Tanker	180	65	1,691	43	219	259	60	41	322	36	2,916
Communications	114	178	626	0	525	230	79	21	391	44	2,208
Total	1,735	1,339	9,797	331	1,794	1,888	179	62	3,195	218	20,538
<i>Design Origin Other</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
Interceptor / Air Superiority	24	16	0	0	36	315	0	0	126	0	517
Fighter / Attack	0	564	0	0	338	1,512	540	0	1,962	0	4,916
Attack	0	209	0	0	101	300	45	0	322	0	977
Bomber / Interdictor	0	0	0	0	0	80	0	0	80	0	160
AEW / Maritime Patrol / Electronics	35	3	0	0	27	3	4	0	49	0	121
Advanced Trainer / Light Attack	0	294	10	144	39	439	109	0	343	0	1,378
Elementary / Basic Trainer	327	234	0	0	717	395	107	60	996	88	2,924
Transport - Tactical / Strategic / Tanker	9	42	0	20	296	141	132	0	373	17	1,030
Communications	103	79	13	23	221	66	32	0	271	4	812
Total	498	1,441	23	187	1,775	3,251	969	60	4,522	109	12,835

Source: Walters Research

1994

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

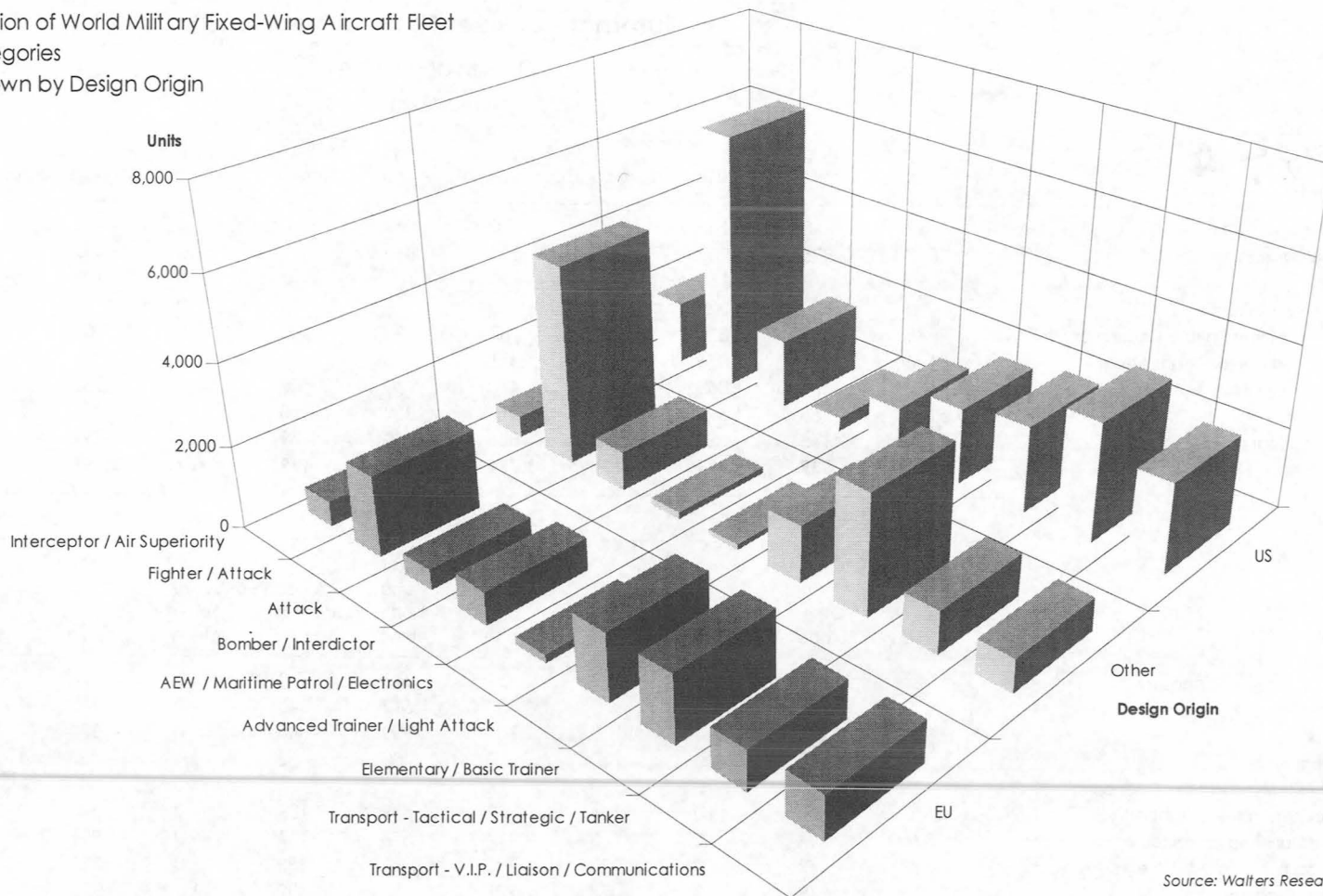


CHART 6.1

Source: Walters Research

TABLE 6.5 (a)

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

INTERCEPTOR / AIR SUPERIORITY											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	139	0	1,314	0	0	335	0	0	161	0	1,949
1987	163	0	1,355	0	0	387	0	0	205	0	2,110
1988	240	0	1,310	0	0	425	0	0	254	0	2,229
1989	254	16	1,314	0	14	458	0	0	270	0	2,326
1990	331	16	1,317	0	14	521	0	0	287	0	2,486
1991	335	16	1,308	0	14	524	0	0	302	0	2,499
1992	350	15	1,313	0	14	593	0	0	308	0	2,593
1993	436	16	1,192	0	48	641	0	0	415	0	2,748
1994	436	16	1,140	0	48	641	0	0	414	0	2,695
FIGHTER / ATTACK											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	2,239	1,466	3,250	186	675	3,135	466	94	3,328	90	14,929
1987	2,288	1,529	3,239	199	674	3,298	487	92	3,387	80	15,273
1988	2,225	1,472	3,213	217	630	3,332	472	87	3,246	62	14,956
1989	2,204	1,459	3,082	217	625	3,250	479	87	3,244	72	14,719
1990	2,233	1,473	3,142	214	641	3,217	470	75	3,233	72	14,770
1991	2,153	1,505	3,032	214	643	3,121	488	72	3,258	72	14,558
1992	1,944	1,500	2,938	213	644	2,999	443	55	3,149	71	13,956
1993	1,817	1,505	1,830	207	639	2,805	569	59	3,653	71	13,155
1994	1,815	1,503	1,903	207	722	2,854	569	59	3,620	71	13,323
ATTACK											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	466	211	2,716	0	169	741	33	6	624	22	4,988
1987	457	195	2,633	0	168	726	40	6	685	22	4,932
1988	477	261	2,568	0	165	662	40	6	710	22	4,911
1989	481	258	2,480	0	136	648	39	6	703	21	4,772
1990	496	268	2,393	0	134	610	39	6	717	21	4,684
1991	490	266	2,176	0	134	544	39	0	725	21	4,395
1992	467	254	1,722	0	164	526	39	0	744	20	3,936
1993	441	210	1,140	0	234	484	60	0	621	14	3,204
1994	402	210	1,155	0	234	509	60	0	620	14	3,204

Source: Walters Research

TABLE 6.5 (b)

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

BOMBER / INTERDICTOR											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	647	0	729	0	51	100	0	7	125	23	1,682
1987	652	0	758	0	51	94	0	7	121	22	1,705
1988	649	0	757	0	50	94	0	7	110	22	1,689
1989	661	0	813	0	26	77	0	7	103	22	1,709
1990	735	0	808	0	21	126	0	7	103	22	1,822
1991	751	0	737	0	21	115	0	0	92	22	1,738
1992	749	0	691	0	20	149	0	0	75	22	1,706
1993	671	0	412	0	28	128	0	0	127	19	1,385
1994	671	0	322	0	30	128	0	0	127	19	1,297
AEW / MARITIME PATROL / ELECTRONICS											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	192	42	1,206	36	82	11	4	0	255	26	1,854
1987	177	47	1,171	36	80	15	4	0	256	26	1,812
1988	179	45	1,160	36	75	15	6	0	249	26	1,791
1989	185	46	1,179	36	61	17	6	0	252	26	1,808
1990	187	46	1,161	18	70	16	6	0	262	26	1,792
1991	195	46	1,154	18	68	16	4	0	253	25	1,779
1992	186	46	1,062	19	63	16	4	0	249	25	1,670
1993	217	59	803	18	94	26	6	0	258	28	1,509
1994	252	62	821	21	94	26	6	0	266	28	1,576
ADVANCED TRAINER / LIGHT ATTACK											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	920	575	1,241	143	524	482	185	216	573	95	4,954
1987	929	527	1,153	143	525	519	198	215	549	94	4,852
1988	921	491	1,112	143	556	539	195	214	576	91	4,838
1989	905	477	1,100	143	534	669	197	214	576	90	4,905
1990	899	458	1,101	143	538	672	200	212	561	85	4,869
1991	879	460	1,061	143	551	649	194	209	528	89	4,763
1992	826	457	1,021	143	548	660	213	208	554	81	4,711
1993 r	835	460	1,225	204	533	647	227	200	560	55	4,946
1994	835	460	1,086	204	533	677	223	200	600	55	4,873

r Revised

Source: Walters Research

TABLE 6.5 (c)

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

ELEMENTARY/BASIC TRAINER											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,299	467	1,201	20	1,124	958	306	49	1,361	69	6,854
1987	1,324	473	1,176	20	1,126	963	284	49	1,466	72	6,953
1988	1,343	496	1,150	20	1,122	952	277	49	1,422	78	6,909
1989	1,327	485	1,164	20	1,081	976	270	49	1,410	96	6,878
1990	1,330	480	1,172	20	1,083	1,001	292	49	1,421	114	6,962
1991	1,284	488	1,123	20	1,084	1,000	283	49	1,458	130	6,919
1992	1,237	471	1,072	20	1,095	943	271	49	1,414	99	6,671
1993	1,084	437	1,152	0	1,170	821	273	60	1,453	88	6,538
1994	1,132	460	1,063	0	1,191	898	287	60	1,478	88	6,657
TRANSPORT - TACTICAL/STRATEGIC/TANKER											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	603	145	2,186	61	626	506	338	56	737	83	5,341
1987	587	119	2,152	61	633	528	333	58	733	86	5,290
1988	583	120	2,135	61	654	524	319	58	723	89	5,266
1989	589	119	2,109	62	644	511	319	58	729	89	5,229
1990	610	118	2,107	64	638	526	320	58	735	89	5,265
1991	593	123	2,131	62	629	505	315	57	717	91	5,223
1992	592	136	2,137	56	608	518	304	51	719	88	5,209
1993	562	140	1,890	63	638	484	283	41	886	74	5,061
1994	559	146	1,693	70	634	485	283	41	886	76	4,873
TRANSPORT - V.I.P./LIAISON/COMMUNICATION											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	776	231	869	28	906	389	380	83	808	36	4,506
1987	759	252	780	31	921	367	382	82	849	35	4,458
1988	747	256	771	31	889	367	384	124	824	46	4,439
1989	722	253	766	23	889	355	384	125	796	48	4,361
1990	739	235	785	25	880	363	387	101	800	48	4,363
1991	720	230	757	25	883	367	381	87	772	44	4,266
1992	711	235	784	25	879	362	368	35	772	26	4,197
1993 ^r	689	271	745	28	775	382	300	24	772	56	4,042
1994	689	296	639	23	796	382	290	24	823	56	4,018

^r Revised

Source: Walters Research

TABLE 6.6

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

INTERCEPTOR / AIR SUPERIORITY

<i>Design Origin EU</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	120	0	0	0	0	4	0	0	40	0	164
1987	144	0	0	0	0	19	0	0	44	0	207
1988	221	0	0	0	0	19	0	0	47	0	287
1989	235	0	0	0	0	47	0	0	46	0	328
1990	292	0	0	0	0	72	0	0	46	0	410
1991	296	0	0	0	0	77	0	0	46	0	419
1992	312	0	0	0	0	77	0	0	46	0	435
1993	393	0	0	0	12	77	0	0	106	0	588
1994	393	0	0	0	12	77	0	0	105	0	587
<i>Design Origin US</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	19	0	1,314	0	0	175	0	0	101	0	1,609
1987	19	0	1,355	0	0	172	0	0	109	0	1,655
1988	19	0	1,310	0	0	167	0	0	125	0	1,621
1989	19	0	1,314	0	0	167	0	0	143	0	1,643
1990	19	0	1,317	0	0	191	0	0	160	0	1,687
1991	19	0	1,308	0	0	213	0	0	175	0	1,715
1992	18	0	1,313	0	0	241	0	0	181	0	1,753
1993	19	0	1,192	0	0	249	0	0	183	0	1,643
1994	19	0	1,140	0	0	249	0	0	183	0	1,591
<i>Design Origin Other</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	0	0	0	0	0	156	0	0	20	0	176
1987	0	0	0	0	0	196	0	0	52	0	248
1988	0	0	0	0	0	239	0	0	82	0	321
1989	0	16	0	0	14	244	0	0	81	0	355
1990	20	16	0	0	14	258	0	0	81	0	389
1991	20	16	0	0	14	234	0	0	81	0	365
1992	20	15	0	0	14	275	0	0	81	0	405
1993	24	16	0	0	36	315	0	0	126	0	517
1994	24	16	0	0	36	315	0	0	126	0	517

Source: Walters Research

TABLE 6.7

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

FIGHTER / ATTACK

Design Origin EU											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,023	207	0	0	249	544	37	94	188	68	2,410
1987	988	206	0	0	246	521	41	92	187	47	2,328
1988	909	206	0	0	244	507	39	87	166	5	2,163
1989	888	206	0	0	234	504	38	87	169	0	2,126
1990	903	176	0	0	241	490	38	75	181	0	2,104
1991	871	174	0	0	252	459	38	72	187	0	2,053
1992	768	174	0	0	255	383	35	55	185	0	1,855
1993	803	135	0	0	242	482	18	59	226	0	1,965
1994	802	134	0	0	250	482	18	59	226	0	1,971
Design Origin US											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,173	679	3,238	186	107	818	12	0	1,144	22	7,379
1987	1,257	758	3,214	199	109	879	12	0	1,146	33	7,607
1988	1,273	681	3,200	217	123	889	10	0	1,187	57	7,637
1989	1,273	695	3,082	217	140	894	8	0	1,212	72	7,593
1990	1,287	738	3,142	214	140	891	8	0	1,209	72	7,701
1991	1,239	779	3,032	214	131	927	8	0	1,209	72	7,611
1992	1,133	779	2,938	213	132	1,006	8	0	1,209	71	7,489
1993	1,014	806	1,830	207	134	817	11	0	1,435	71	6,319
1994	1,013	805	1,903	207	134	860	11	0	1,432	71	6,436
Design Origin Other											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	43	580	12	0	319	1,773	417	0	1,996	0	5,140
1987	43	565	25	0	319	1,898	434	0	2,054	0	5,338
1988	43	585	13	0	263	1,936	423	0	1,893	0	5,156
1989	43	558	0	0	251	1,852	433	0	1,863	0	5,000
1990	43	559	0	0	260	1,836	424	0	1,843	0	4,965
1991	43	552	0	0	260	1,735	442	0	1,862	0	4,894
1992	43	547	0	0	257	1,610	400	0	1,755	0	4,612
1993	0	564	0	0	263	1,512	540	0	1,992	0	4,871
1994	0	564	0	0	338	1,512	540	0	1,962	0	4,916

Source: Walters Research

TABLE 6.8

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

ATTACK

<i>Design Origin EU</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	366	0	73	0	11	22	16	6	64	0	558
1987	358	0	101	0	11	22	16	6	79	0	593
1988	379	0	141	0	10	22	16	6	88	0	662
1989	386	0	173	0	9	22	15	6	97	0	708
1990	402	0	202	0	8	22	15	6	105	0	760
1991	396	0	225	0	8	22	15	0	111	0	777
1992	376	0	217	0	8	19	15	0	111	0	746
1993	353	1	217	0	13	22	15	0	119	0	740
1994	312	1	0	0	13	22	15	0	119	0	482
<i>Design Origin US</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	100	0	2,643	0	45	253	0	0	187	22	3,250
1987	99	0	2,532	0	44	253	0	0	185	22	3,135
1988	98	0	2,427	0	42	180	0	0	179	22	2,948
1989	95	0	2,307	0	35	145	0	0	168	21	2,771
1990	94	0	2,191	0	35	117	0	0	174	21	2,632
1991	94	0	1,951	0	35	115	0	0	178	21	2,394
1992	91	0	1,505	0	65	120	0	0	199	20	2,000
1993	88	0	1,140	0	120	187	0	0	179	14	1,728
1994	90	0	1,155	0	120	187	0	0	179	14	1,745
<i>Design Origin Other</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	0	211	0	0	113	466	17	0	373	0	1,180
1987	0	195	0	0	113	451	24	0	421	0	1,204
1988	0	261	0	0	113	460	24	0	443	0	1,301
1989	0	258	0	0	92	481	24	0	438	0	1,293
1990	0	268	0	0	91	471	24	0	438	0	1,292
1991	0	266	0	0	91	407	24	0	436	0	1,224
1992	0	254	0	0	91	387	24	0	434	0	1,190
1993	0	209	0	0	101	275	45	0	323	0	953
1994	0	209	0	0	101	300	45	0	322	0	977

Source: Walters Research

TABLE 6.9

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

BOMBER / INTERDICTOR

<i>Design Origin EU</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	647	0	0	0	51	6	0	7	45	0	756
1987	652	0	0	0	51	20	0	7	45	0	775
1988	649	0	0	0	50	20	0	7	38	0	764
1989	661	0	0	0	26	23	0	7	37	0	754
1990	735	0	0	0	21	38	0	7	37	0	838
1991	751	0	0	0	21	45	0	0	37	0	854
1992	749	0	0	0	20	45	0	0	20	0	834
1993	671	0	0	0	28	48	0	0	47	0	794
1994	671	0	0	0	30	48	0	0	47	0	796
<i>Design Origin US</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	0	0	729	0	0	0	0	0	0	23	752
1987	0	0	758	0	0	0	0	0	0	22	780
1988	0	0	757	0	0	0	0	0	0	22	779
1989	0	0	813	0	0	0	0	0	0	22	835
1990	0	0	808	0	0	0	0	0	0	22	830
1991	0	0	737	0	0	0	0	0	0	22	759
1992	0	0	691	0	0	0	0	0	0	22	713
1993	0	0	412	0	0	0	0	0	0	19	431
1994	0	0	322	0	0	0	0	0	0	19	341
<i>Design Origin Other</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	0	0	0	0	0	94	0	0	80	0	174
1987	0	0	0	0	0	74	0	0	76	0	150
1988	0	0	0	0	0	74	0	0	72	0	146
1989	0	0	0	0	0	54	0	0	66	0	120
1990	0	0	0	0	0	88	0	0	66	0	154
1991	0	0	0	0	0	70	0	0	55	0	125
1992	0	0	0	0	0	104	0	0	55	0	159
1993	0	0	0	0	0	80	0	0	80	0	160
1994	0	0	0	0	0	80	0	0	80	0	160

Source: Walters Research

TABLE 6.10

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

AEW / MARITIME PATROL / ELECTRONICS

Design Origin EU											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	165	0	41	0	1	0	3	0	21	0	231
1987	149	0	41	0	0	0	3	0	21	0	214
1988	149	0	41	0	0	0	3	0	21	0	214
1989	149	0	41	0	0	0	3	0	22	0	215
1990	151	0	41	0	0	0	3	0	22	0	217
1991	149	0	41	0	0	0	3	0	22	0	215
1992	140	0	41	0	0	0	3	0	22	0	206
1993	172	0	0	0	0	0	2	0	17	0	191
1994	172	0	0	0	0	0	2	0	17	0	191
Design Origin US											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	27	42	1,165	36	64	11	0	0	193	26	1,564
1987	28	47	1,130	36	63	15	0	0	201	26	1,546
1988	30	45	1,119	36	58	15	0	0	196	26	1,525
1989	36	46	1,138	36	44	17	0	0	192	26	1,535
1990	36	46	1,120	18	43	16	0	0	202	26	1,507
1991	46	46	1,113	18	41	16	0	0	193	25	1,498
1992	46	46	1,021	19	36	16	0	0	194	25	1,403
1993	45	59	803	18	67	23	0	0	199	28	1,242
1994	45	59	821	21	67	23	0	0	200	28	1,264
Design Origin Other											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	0	0	0	0	17	0	1	0	41	0	59
1987	0	0	0	0	17	0	1	0	34	0	52
1988	0	0	0	0	17	0	3	0	32	0	52
1989	0	0	0	0	17	0	3	0	38	0	58
1990	0	0	0	0	27	0	3	0	38	0	68
1991	0	0	0	0	27	0	1	0	38	0	66
1992	0	0	0	0	27	0	1	0	33	0	61
1993	0	0	0	0	27	3	4	0	42	0	76
1994	35	3	0	0	27	3	4	0	49	0	121

Source: Walters Research

TABLE 6.11

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

ADVANCED TRAINER / LIGHT ATTACK

Design Origin EU											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	772	82	0	0	227	182	113	216	42	95	1,729
1987	779	82	0	0	225	197	114	215	26	94	1,732
1988	771	81	2	0	226	228	119	214	26	91	1,758
1989	755	80	2	0	218	226	110	214	25	90	1,720
1990	749	61	4	0	221	218	110	212	25	85	1,685
1991	743	64	4	0	220	217	107	209	25	89	1,678
1992	690	64	16	0	216	222	114	208	39	81	1,650
1993 r	699	71	0	0	183	228	118	200	57	49	1,605
1994	699	71	0	0	183	228	114	200	57	49	1,601
Design Origin US											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	148	126	1,241	64	252	0	0	0	309	0	2,140
1987	150	111	1,153	64	255	0	0	0	283	0	2,016
1988	150	105	1,110	64	279	0	0	0	283	0	1,991
1989	150	105	1,098	64	274	0	0	0	283	0	1,974
1990	150	105	1,097	64	272	0	0	0	248	0	1,936
1991	136	105	1,057	64	280	0	0	0	203	0	1,845
1992	136	105	1,005	64	286	0	0	0	183	0	1,779
1993	136	95	1,215	60	311	10	0	0	200	6	2,033
1994	136	95	1,076	60	311	10	0	0	200	6	1,894
Design Origin Other											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	0	367	0	79	45	300	72	0	222	0	1,085
1987	0	334	0	79	45	322	84	0	240	0	1,104
1988	0	305	0	79	51	311	76	0	267	0	1,089
1989	0	292	0	79	42	443	87	0	268	0	1,211
1990	0	292	0	79	45	454	90	0	288	0	1,248
1991	0	291	0	79	51	432	87	0	300	0	1,240
1992	0	288	0	79	46	438	99	0	332	0	1,282
1993	0	294	10	144	39	409	109	0	303	0	1,308
1994	0	294	10	144	39	439	109	0	343	0	1,378

r Revised

Source: Walters Research

TABLE 6.12

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

ELEMENTARY / BASIC TRAINER

Design Origin EU											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	900	70	0	0	41	410	153	0	155	0	1,729
1987	928	69	0	0	41	408	152	0	188	0	1,786
1988	920	68	0	0	41	396	147	0	204	0	1,776
1989	890	68	0	0	41	398	150	0	189	0	1,736
1990	846	68	0	0	43	398	149	0	197	0	1,701
1991	818	101	0	0	43	363	144	0	215	0	1,684
1992	750	108	0	0	45	364	142	0	210	0	1,619
1993	667	66	0	0	56	378	141	0	194	0	1,502
1994	667	89	0	0	56	433	151	0	194	0	1,590
Design Origin US											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	224	137	1,201	20	512	70	61	49	309	0	2,583
1987	222	143	1,176	20	474	70	49	49	292	0	2,495
1988	208	168	1,150	20	461	57	49	49	263	0	2,425
1989	207	168	1,164	20	407	70	42	49	254	0	2,381
1990	205	168	1,172	20	389	70	42	49	253	0	2,368
1991	187	168	1,118	20	386	90	40	49	253	0	2,311
1992	165	168	1,072	20	395	70	38	49	239	0	2,216
1993 r	115	137	1,152	0	406	70	29	0	288	0	2,197
1994	138	137	1,063	0	418	70	29	0	288	0	2,143
Design Origin Other											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	175	260	0	0	571	478	92	0	897	69	2,542
1987	174	261	0	0	611	485	83	0	986	72	2,672
1988	215	260	0	0	620	499	81	0	955	78	2,708
1989	230	249	0	0	633	508	78	0	967	96	2,761
1990	279	244	0	0	651	533	101	0	971	114	2,893
1991	279	219	5	0	655	547	99	0	990	130	2,924
1992	322	195	0	0	655	509	91	0	965	99	2,836
1993 r	302	234	0	0	708	373	103	60	971	88	2,839
1994	327	234	0	0	717	395	107	60	996	88	2,924

r Revised

Source: Walters Research

TABLE 6.13

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

TRANSPORT - TACTICAL / STRATEGIC / TANKER

<i>Design Origin EU</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	404	31	25	0	130	78	80	9	150	20	927
1987	385	33	27	0	132	81	87	9	147	24	925
1988	390	33	28	0	136	80	85	9	150	25	936
1989	391	33	28	0	139	79	87	9	148	25	939
1990	390	33	27	0	141	86	86	9	150	25	947
1991	396	34	37	0	136	86	89	8	154	28	968
1992	401	37	46	0	133	85	92	8	159	25	986
1993	374	39	2	7	117	83	91	0	191	21	925
1994	370	39	2	7	119	85	91	0	191	23	927
<i>Design Origin US</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	169	73	2,150	45	228	262	118	47	271	44	3,407
1987	172	63	2,114	45	224	267	113	49	281	43	3,371
1988	163	61	2,096	45	238	270	111	49	257	45	3,335
1989	168	61	2,070	44	224	267	111	49	228	45	3,267
1990	169	61	2,069	44	219	274	111	49	235	45	3,276
1991	170	64	2,083	42	219	273	106	49	231	44	3,281
1992	175	68	2,086	44	203	290	97	43	235	44	3,285
1993	179	65	1,888	36	225	260	60	41	322	36	3,112
1994	180	65	1,691	43	219	259	60	41	322	36	2,916
<i>Design Origin Other</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	30	41	11	16	268	166	140	0	316	19	1,007
1987	30	23	11	16	277	180	133	0	305	19	994
1988	30	26	11	16	280	174	123	0	316	19	995
1989	30	25	11	18	281	165	121	0	353	19	1,023
1990	51	24	11	20	278	166	123	0	350	19	1,042
1991	27	25	11	20	274	146	120	0	332	19	974
1992	16	31	5	12	272	143	115	0	325	19	938
1993	9	36	0	20	296	141	132	0	373	17	1,024
1994	9	42	0	20	296	141	132	0	373	17	1,030

Source: Walters Research

TABLE 6.14

MILITARY FIXED-WING AIRCRAFT FLEET

(Units at Year-end)

TRANSPORT - V.I.P. / LIAISON / COMMUNICATIONS

Design Origin EU											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	564	38	3	7	58	89	198	26	63	3	1,049
1987	536	34	3	6	57	75	198	26	73	3	1,011
1988	529	36	3	6	58	73	198	63	68	3	1,037
1989	539	35	4	0	58	72	198	63	66	5	1,040
1990	542	35	9	0	57	73	199	39	74	5	1,033
1991	527	35	4	0	56	74	195	39	77	5	1,012
1992	519	40	5	0	56	71	194	7	76	5	973
1993	472	38	0	0	50	85	179	3	95	8	930
1994	472	39	0	0	50	86	179	3	161	8	998
Design Origin US											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	157	98	854	0	553	227	154	27	420	2	2,492
1987	157	97	766	0	563	225	156	26	419	3	2,412
1988	156	99	757	0	580	227	158	26	412	3	2,418
1989	124	97	751	0	606	218	157	27	418	3	2,401
1990	126	97	765	2	605	225	158	27	419	3	2,427
1991	123	94	742	2	605	227	160	27	415	0	2,395
1992	125	89	766	2	617	225	148	28	417	0	2,417
1993 r	114	154	732	2	525	231	86	21	406	44	2,315
1994	114	178	626	0	525	230	79	21	391	44	2,208
Design Origin Other											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	55	95	12	21	295	73	28	30	325	31	965
1987	66	121	11	25	301	67	28	30	357	29	1,035
1988	62	121	11	25	251	67	28	35	344	40	984
1989	59	121	11	23	225	65	29	35	312	40	920
1990	71	103	11	23	218	65	30	35	307	40	903
1991	70	101	11	23	222	66	26	21	280	39	859
1992	67	106	13	23	206	66	26	0	279	21	807
1993 r	103	79	13	26	200	66	35	0	271	4	797
1994	103	79	13	23	221	66	32	0	271	4	812

r Revised

Source: Walters Research

Chapter 7

Military Helicopters

Data relating to **military helicopters** are provided by Eurocopter, France. 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 air force are double counted as they may be included in the *civil and para-public 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 is 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 (≤ 2.7 Tonnes; 1 - 8 seats)*
Examples in this category: AS-550 Fennex; Bell OH58
- *Light twin turbine (≤ 2.7 Tonnes; 1 - 8 seats)*
Agusta 109; MD900 Explorer
- *Medium turbine (2.7 - 6 Tonnes; 9 - 15 seats)*
WG13 Lynx; Bell UH1N

- *Heavy turbine (6 - 11 Tonnes; 16 - 32 seats)*
AS-532 Cougar; UH60 Blackhawk
- *Very heavy turbine (> 11 Tonnes; > 32 seats)*
EH-101; Boeing CH47
- *Dedicated attack helicopters*
Agusta A129 Mangusta; MDHS AH164 Apache

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

- **EU12** (all States with full membership in 1994) • **Other Europe** (Albania, Austria, Bulgaria, Cyprus, Czech Republic, Finland, Greenland, Hungary, Iceland, Liechtenstein, Malta, Monaco, Norway, Poland, Romania, Sweden, 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 Bisseau, 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 7.1 (a)

WORLD MILITARY HELICOPTER FLEET

(Units at Year-end)

	Europe											North America				Rest of World					
	EU12					Other Europe						USA			Canada		Design Origin US				
	Design Origin US			Design Origin Other	Units	Design Origin US			Design Origin Other	Units	Design Origin US			Design Origin US	Units	Design Origin EU	US built	licence	EU built under US	Design Origin Other	Units
	Design Origin EU	US built	licence			Design Origin EU	US built	licence			US built	licence	Units								
1960	35.3 %	23.3 %	41.4 %	-	1,742	27.6 %	56.1 %	0.0 %	16.3 %	123	100.0 %	0.0 %	4,423	100.0 %	43	-	-	-	-	-	
1965	41.3 %	20.4 %	38.3 %	-	2,477	32.9 %	47.7 %	0.0 %	19.4 %	216	100.0 %	0.0 %	6,185	100.0 %	90	-	-	-	-	-	
1970	37.2 %	22.9 %	39.9 %	-	3,334	22.9 %	49.1 %	0.0 %	28.0 %	407	100.0 %	0.0 %	15,874	100.0 %	87	-	-	-	-	-	
1975	43.6 %	19.2 %	37.2 %	-	3,637	29.5 %	15.5 %	25.9 %	29.1 %	746	100.0 %	0.0 %	15,338	100.0 %	183	-	-	-	-	-	
1980 r	55.5 %	18.3 %	26.2 %	0.0 %	3,538	23.6 %	8.4 %	12.5 %	55.5 %	1,757	100.0 %	0.0 %	8,861	100.0 %	174	24.9 %	42.7 %	9.7 %	22.7 %	6,609	
1981 r	56.4 %	18.3 %	25.3 %	0.0 %	3,620	26.9 %	8.0 %	11.4 %	53.7 %	1,818	100.0 %	0.0 %	8,421	100.0 %	188	24.9 %	43.0 %	10.0 %	22.0 %	6,758	
1982 r	57.5 %	17.8 %	24.7 %	0.0 %	3,696	26.7 %	9.3 %	11.4 %	52.5 %	1,820	100.0 %	0.0 %	7,934	100.0 %	187	25.1 %	42.9 %	9.7 %	22.4 %	6,957	
1983 r	59.8 %	16.8 %	23.4 %	0.0 %	3,843	25.9 %	12.0 %	11.0 %	51.1 %	1,878	100.0 %	0.0 %	7,958	100.0 %	187	25.6 %	43.2 %	9.2 %	22.0 %	7,062	
1984 r	60.9 %	16.6 %	22.4 %	0.0 %	3,864	25.8 %	12.7 %	11.3 %	50.3 %	1,886	100.0 %	0.0 %	7,988	100.0 %	187	25.8 %	41.6 %	8.9 %	23.7 %	7,514	
1985 r	60.9 %	16.4 %	22.7 %	0.0 %	3,882	24.9 %	13.3 %	11.3 %	50.5 %	1,878	100.0 %	0.0 %	7,875	100.0 %	185	25.7 %	42.3 %	7.9 %	24.0 %	7,658	
1986 r	60.8 %	16.0 %	23.2 %	0.0 %	3,905	25.2 %	13.9 %	11.1 %	49.8 %	1,871	99.9 %	0.1 %	7,797	100.0 %	185	25.8 %	42.3 %	7.3 %	24.6 %	7,998	
1987 r	60.7 %	16.0 %	23.2 %	0.0 %	3,893	26.3 %	13.6 %	10.8 %	49.3 %	1,914	99.9 %	0.1 %	8,102	100.0 %	183	25.5 %	42.9 %	6.9 %	24.6 %	8,199	
1988 r	60.7 %	15.9 %	23.4 %	0.0 %	3,951	26.5 %	14.0 %	10.6 %	48.9 %	1,941	99.9 %	0.1 %	8,071	100.0 %	183	25.4 %	43.5 %	6.7 %	24.4 %	8,363	
1989 r	60.7 %	15.8 %	23.4 %	0.0 %	3,969	25.6 %	14.0 %	10.3 %	50.1 %	2,014	99.9 %	0.1 %	8,332	100.0 %	183	25.0 %	44.4 %	6.5 %	24.1 %	8,548	
1990 r	60.5 %	15.7 %	22.6 %	1.2 %	4,017	27.7 %	15.5 %	11.0 %	45.7 %	1,875	99.9 %	0.1 %	8,331	100.0 %	183	24.3 %	45.8 %	6.5 %	23.5 %	8,830	
1991 r	60.4 %	15.5 %	22.9 %	1.2 %	4,070	27.4 %	15.8 %	10.9 %	45.8 %	1,892	99.9 %	0.1 %	7,946	100.0 %	176	24.3 %	46.4 %	6.3 %	23.1 %	9,014	
1992 r	61.3 %	15.2 %	22.3 %	1.2 %	4,026	27.8 %	15.7 %	10.9 %	45.5 %	1,900	99.9 %	0.1 %	7,598	100.0 %	175	24.2 %	46.9 %	6.1 %	22.8 %	9,023	
1993 r	61.4 %	15.5 %	21.9 %	1.2 %	4,058	26.4 %	18.0 %	10.8 %	44.7 %	1,929	99.8 %	0.2 %	7,249	100.0 %	175	24.3 %	47.2 %	6.0 %	22.4 %	9,103	
1994 r	61.6 %	15.5 %	21.7 %	1.2 %	4,081	25.8 %	18.0 %	10.9 %	45.3 %	1,905	99.9 %	0.1 %	7,405	100.0 %	176	24.2 %	47.6 %	6.0 %	22.3 %	9,213	

r Revised

Source: EUROCOPTER

TABLE 7.1 (b)

EU12 MILITARY HELICOPTER FLEET (Units at Year-end)

	BE					DE					DK					ES					FR					GB									
	Design Origin					Design Origin					Design Origin					Design Origin					Design Origin					Design Origin									
	EU	US built	licence	US	Other	EU	US built	licence	US	Other	EU	US built	licence	US	Other	EU	US built	licence	US	Other	EU	US built	licence	US	Other	EU	US built	licence	US	Other	EU	US built	licence	US	Other
1960	-	-	-	-	10	-	-	-	-	243	-	-	-	-	14	-	-	-	-	27	-	-	-	-	801	-	-	-	-	491					
1965	-	-	-	-	43	-	-	-	-	490	-	-	-	-	25	-	-	-	-	39	-	-	-	-	758	-	-	-	-	764					
1970	-	-	-	-	80	-	-	-	-	765	-	-	-	-	17	-	-	-	-	75	-	-	-	-	734	-	-	-	-	1,030					
1975	-	-	-	-	79	-	-	-	-	714	-	-	-	-	32	-	-	-	-	196	-	-	-	-	805	-	-	-	-	987					
1980 r	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	100.0 %	0.0 %	0.0 %	0.0 %	809	67.3 %	0.1 %	32.6 %	0.0 %	847					
1981 r	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	100.0 %	0.0 %	0.0 %	0.0 %	824	67.5 %	1.4 %	31.1 %	0.0 %	864					
1982 r	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	100.0 %	0.0 %	0.0 %	0.0 %	842	65.9 %	3.8 %	30.3 %	0.0 %	824					
1983 r	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	100.0 %	0.0 %	0.0 %	0.0 %	854	69.1 %	3.6 %	27.2 %	0.0 %	852					
1984 r	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	100.0 %	0.0 %	0.0 %	0.0 %	895	72.2 %	4.0 %	23.8 %	0.0 %	828					
1985 r	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	100.0 %	0.0 %	0.0 %	0.0 %	902	72.4 %	4.2 %	23.3 %	0.0 %	831					
1986 r	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	100.0 %	0.0 %	0.0 %	0.0 %	915	71.9 %	4.2 %	23.9 %	0.0 %	830					
1987 r	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	100.0 %	0.0 %	0.0 %	0.0 %	917	72.2 %	4.1 %	23.7 %	0.0 %	824					
1988 r	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	100.0 %	0.0 %	0.0 %	0.0 %	910	71.5 %	3.9 %	24.6 %	0.0 %	847					
1989 r	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	100.0 %	0.0 %	0.0 %	0.0 %	908	71.6 %	3.9 %	24.5 %	0.0 %	846					
1990 r	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	100.0 %	0.0 %	0.0 %	0.0 %	926	73.6 %	4.1 %	22.4 %	0.0 %	813					
1991 r	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	100.0 %	0.0 %	0.0 %	0.0 %	939	73.7 %	4.1 %	22.2 %	0.0 %	814					
1992 r	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	100.0 %	0.0 %	0.0 %	0.0 %	954	75.3 %	4.1 %	20.6 %	0.0 %	801					
1993 r	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	100.0 %	0.0 %	0.0 %	0.0 %	957	76.7 %	4.2 %	19.2 %	0.0 %	793					
1994 r	93.8 %	0.0 %	6.2 %	0.0 %	81	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	100.0 %	0.0 %	0.0 %	0.0 %	961	76.4 %	4.4 %	19.2 %	0.0 %	793					

r Revised

Source: EUROCOPTER

TABLE 7.1 (c)

EU12 MILITARY HELICOPTER FLEET
(Units at Year-end)

	GR					IE					IT					LU					NL					PT														
	Design Origin US					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	Other	Units	Design Origin	EU US built	EU built under US	licence	Other	Units	Design Origin	EU US built	EU built under US	licence	Other	Units	Design Origin	EU US built	EU built under US	licence	Other	Units	Design Origin	EU US built	EU built under US	licence	Other	Units										
1960	-	-	-	-	-	7	-	-	-	-	-	0	-	-	-	-	-	-	98	-	-	-	-	-	-	0	-	-	-	-	-	-	49	-	-	-	-	-	-	2
1965	-	-	-	-	-	7	-	-	-	-	-	3	-	-	-	-	-	-	227	-	-	-	-	-	-	0	-	-	-	-	-	-	90	-	-	-	-	-	-	31
1970	-	-	-	-	-	55	-	-	-	-	-	3	-	-	-	-	-	-	352	-	-	-	-	-	-	0	-	-	-	-	-	-	98	-	-	-	-	-	-	125
1975	-	-	-	-	-	64	-	-	-	-	-	8	-	-	-	-	-	-	548	-	-	-	-	-	-	0	-	-	-	-	-	-	91	-	-	-	-	-	-	113
1980 r	2.8 %	48.9 %	48.2 %	0.0 %	141	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	9	1.0 %	0.0 %	99.0 %	0.0 %	0.0 %	495	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	125	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	63					
1981 r	3.2 %	45.2 %	51.6 %	0.0 %	126	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	11	1.0 %	0.0 %	99.0 %	0.0 %	0.0 %	493	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	123	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	63					
1982 r	3.3 %	42.6 %	54.1 %	0.0 %	122	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	11	1.0 %	0.0 %	99.0 %	0.0 %	0.0 %	506	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	122	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	63					
1983 r	3.4 %	41.9 %	54.7 %	0.0 %	117	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	10	1.0 %	0.0 %	99.0 %	0.0 %	0.0 %	514	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	122	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	63					
1984 r	3.6 %	39.3 %	57.1 %	0.0 %	112	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	10	1.0 %	0.0 %	99.0 %	0.0 %	0.0 %	515	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	53					
1985 r	3.1 %	30.2 %	66.7 %	0.0 %	129	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	10	0.8 %	0.0 %	99.2 %	0.0 %	0.0 %	509	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	55					
1986 r	2.8 %	23.1 %	74.1 %	0.0 %	143	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	3.2 %	0.0 %	96.8 %	0.0 %	0.0 %	527	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	55					
1987 r	2.8 %	23.4 %	73.8 %	0.0 %	141	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	3.2 %	0.0 %	96.8 %	0.0 %	0.0 %	531	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	120	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	42					
1988 r	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	7.3 %	0.0 %	92.7 %	0.0 %	0.0 %	565	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	118	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	42					
1989 r	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	9.1 %	0.0 %	90.9 %	0.0 %	0.0 %	582	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	118	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	41					
1990 r	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	9.8 %	0.0 %	90.2 %	0.0 %	0.0 %	590	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	116	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	41					
1991 r	2.9 %	23.6 %	73.6 %	0.0 %	140	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	10.2 %	0.0 %	89.8 %	0.0 %	0.0 %	619	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	116	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	41					
1992 r	15.0 %	20.6 %	64.4 %	0.0 %	160	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	15	10.7 %	0.0 %	89.3 %	0.0 %	0.0 %	635	-	-	-	-	-	0	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	114	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	40					
1993 r	14.1 %	25.3 %	60.6 %	0.0 %	170	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	13	11.5 %	0.0 %	88.5 %	0.0 %	0.0 %	641	-	-	-	-	-	0	93.3 %	5.9 %	0.8 %	0.0 %	0.0 %	119	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	45					
1994 r	14.4 %	26.9 %	58.7 %	0.0 %	167	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	13	12.8 %	0.0 %	87.2 %	0.0 %	0.0 %	650	-	-	-	-	-	0	93.3 %	5.9 %	0.8 %	0.0 %	0.0 %	119	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	45					

r Revised

Source: EUROCOPTER

TABLE 7.2

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

Member State Breakdown in % of EU 12 Total

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12
1986	1.9 %	23.0 %	0.7 %	7.7 %	23.4 %	21.3 %	3.7 %	0.4 %	13.5 %	0.0 %	3.1 %	1.4 %	3,905
1987	1.9 %	23.1 %	0.7 %	7.8 %	23.6 %	21.2 %	3.6 %	0.4 %	13.6 %	0.0 %	3.1 %	1.1 %	3,893
1988	1.7 %	22.9 %	0.7 %	7.9 %	23.0 %	21.4 %	3.5 %	0.4 %	14.3 %	0.0 %	3.0 %	1.1 %	3,951
1989	1.7 %	22.8 %	0.7 %	8.0 %	22.9 %	21.3 %	3.5 %	0.4 %	14.7 %	0.0 %	3.0 %	1.0 %	3,949
1990	1.7 %	23.7 %	0.9 %	8.0 %	23.1 %	20.2 %	3.5 %	0.4 %	14.7 %	0.0 %	2.9 %	1.0 %	4,017
1991	1.7 %	23.4 %	1.0 %	8.0 %	23.1 %	20.0 %	3.4 %	0.4 %	15.2 %	0.0 %	2.9 %	1.0 %	4,070
1992	1.5 %	23.0 %	1.0 %	7.0 %	23.7 %	19.9 %	4.0 %	0.4 %	15.8 %	0.0 %	2.8 %	1.0 %	4,026
1993	1.7 %	22.8 %	1.0 %	7.0 %	23.6 %	19.5 %	4.2 %	0.3 %	15.8 %	0.0 %	2.9 %	1.1 %	4,056
1994	2.0 %	22.7 %	1.0 %	7.0 %	23.5 %	19.4 %	4.1 %	0.3 %	15.9 %	0.0 %	2.9 %	1.1 %	4,081

Design Origin EU - Market Shares in Member States

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT
1986	93.2 %	53.8 %	25.0 %	30.7 %	100.0 %	71.9 %	2.8 %	100.0 %	3.2 %	-	100.0 %	100.0 %
1987	93.2 %	53.9 %	25.0 %	31.1 %	100.0 %	72.2 %	2.8 %	100.0 %	3.2 %	-	100.0 %	100.0 %
1988	92.8 %	54.2 %	25.0 %	32.5 %	100.0 %	71.5 %	2.9 %	100.0 %	7.3 %	-	100.0 %	100.0 %
1989	92.6 %	54.2 %	24.1 %	33.5 %	100.0 %	71.6 %	2.9 %	100.0 %	9.1 %	-	100.0 %	100.0 %
1990	92.6 %	51.3 %	37.1 %	33.8 %	100.0 %	73.6 %	2.9 %	100.0 %	9.8 %	-	100.0 %	100.0 %
1991	92.6 %	51.3 %	46.3 %	34.0 %	100.0 %	73.7 %	2.9 %	100.0 %	10.2 %	-	100.0 %	100.0 %
1992	91.7 %	50.6 %	46.3 %	38.6 %	100.0 %	75.3 %	15.0 %	100.0 %	10.7 %	-	100.0 %	100.0 %
1993	92.6 %	50.6 %	47.5 %	37.8 %	100.0 %	76.7 %	14.1 %	100.0 %	11.5 %	-	93.3 %	100.0 %
1994	93.8 %	50.6 %	47.5 %	37.8 %	100.0 %	76.4 %	14.4 %	100.0 %	12.8 %	-	93.3 %	100.0 %

Design Origin EU - Distribution among Member States

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12
1986	2.9 %	20.3 %	0.3 %	3.9 %	38.5 %	25.1 %	0.2 %	0.6 %	0.7 %	0.0 %	5.1 %	2.3 %	2,374
1987	2.9 %	20.5 %	0.3 %	4.0 %	38.8 %	25.2 %	0.2 %	0.6 %	0.7 %	0.0 %	5.1 %	1.8 %	2,364
1988	2.7 %	20.4 %	0.3 %	4.3 %	37.9 %	25.3 %	0.2 %	0.6 %	1.7 %	0.0 %	4.9 %	1.8 %	2,398
1989	2.6 %	20.3 %	0.3 %	4.4 %	37.7 %	25.1 %	0.2 %	0.6 %	2.2 %	0.0 %	4.9 %	1.7 %	2,411
1990	2.6 %	20.1 %	0.5 %	4.4 %	38.1 %	24.6 %	0.2 %	0.6 %	2.4 %	0.0 %	4.8 %	1.7 %	2,431
1991	2.6 %	19.9 %	0.8 %	4.5 %	38.2 %	24.4 %	0.2 %	0.6 %	2.6 %	0.0 %	4.7 %	1.7 %	2,459
1992	2.2 %	19.0 %	0.8 %	4.4 %	38.6 %	24.4 %	1.0 %	0.6 %	2.8 %	0.0 %	4.6 %	1.6 %	2,469
1993	2.5 %	18.8 %	0.8 %	4.3 %	38.4 %	24.4 %	1.0 %	0.5 %	3.0 %	0.0 %	4.5 %	1.8 %	2,491
1994	3.0 %	18.6 %	0.8 %	4.3 %	38.2 %	24.1 %	1.0 %	0.5 %	3.3 %	0.0 %	4.4 %	1.8 %	2,515

Geographical Breakdown - % of World Total

	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	17.9 %	8.6 %	35.8 %	0.9 %	5.4 %	8.5 %	4.3 %	0.8 %	17.8 %	21,756
1987	17.5 %	8.6 %	36.3 %	0.8 %	5.5 %	8.4 %	4.1 %	0.8 %	17.9 %	22,291
1988	17.6 %	8.6 %	35.9 %	0.8 %	5.7 %	8.2 %	4.1 %	0.8 %	18.5 %	22,509
1989	17.2 %	8.7 %	36.2 %	0.8 %	5.8 %	8.1 %	3.9 %	0.7 %	18.5 %	23,046
1990	17.3 %	8.1 %	35.9 %	0.8 %	6.1 %	8.1 %	3.8 %	0.7 %	19.2 %	23,236
1991	17.6 %	8.2 %	34.4 %	0.8 %	6.3 %	8.2 %	3.9 %	0.7 %	20.0 %	23,098
1992	17.7 %	8.4 %	33.4 %	0.8 %	6.3 %	8.3 %	3.9 %	0.7 %	20.5 %	22,722
1993	18.0 %	8.6 %	32.2 %	0.8 %	6.4 %	8.6 %	3.9 %	0.7 %	20.5 %	22,514
1994	17.9 %	8.4 %	32.5 %	0.8 %	6.5 %	8.7 %	3.8 %	0.7 %	20.8 %	22,780

Design Origin EU - Market Shares in Zones

	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1986	60.8 %	25.2 %	0.0 %	0.0 %	22.9 %	25.7 %	36.0 %	100.0 %	21.1 %	22.6 %
1987	60.7 %	26.3 %	0.0 %	0.0 %	23.7 %	25.1 %	37.1 %	100.0 %	20.4 %	22.3 %
1988	60.7 %	26.5 %	0.0 %	0.0 %	23.6 %	24.2 %	36.4 %	100.0 %	20.5 %	22.4 %
1989	60.7 %	25.6 %	0.0 %	0.0 %	23.6 %	23.9 %	36.3 %	100.0 %	20.4 %	22.0 %
1990	60.5 %	27.7 %	0.0 %	0.0 %	23.9 %	23.4 %	36.2 %	100.0 %	19.8 %	21.9 %
1991	60.4 %	27.4 %	0.0 %	0.0 %	24.7 %	23.5 %	36.0 %	100.0 %	19.6 %	22.4 %
1992	61.3 %	27.8 %	0.0 %	0.0 %	25.5 %	23.5 %	35.3 %	100.0 %	19.6 %	22.8 %
1993	61.4 %	26.4 %	0.0 %	0.0 %	25.7 %	23.3 %	36.2 %	100.0 %	19.7 %	23.2 %
1994	61.6 %	25.8 %	0.0 %	0.0 %	25.7 %	22.9 %	36.2 %	100.0 %	19.7 %	23.0 %

Design Origin EU - Distribution among Zones

	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	48.3 %	9.6 %	0.0 %	0.0 %	5.5 %	9.6 %	6.8 %	3.5 %	16.6 %	4,913
1987	47.7 %	10.1 %	0.0 %	0.0 %	5.9 %	9.5 %	6.9 %	3.5 %	16.4 %	4,961
1988	47.6 %	10.2 %	0.0 %	0.0 %	6.0 %	8.9 %	6.6 %	3.4 %	17.3 %	5,036
1989	47.7 %	10.2 %	0.0 %	0.0 %	6.3 %	8.8 %	6.5 %	3.4 %	17.3 %	5,060
1990	47.7 %	10.2 %	0.0 %	0.0 %	6.7 %	8.6 %	6.3 %	3.1 %	17.3 %	5,097
1991	47.6 %	10.0 %	0.0 %	0.0 %	7.0 %	8.6 %	6.2 %	3.1 %	17.5 %	5,165
1992	47.6 %	10.2 %	0.0 %	0.0 %	7.1 %	8.5 %	6.1 %	2.9 %	17.6 %	5,185
1993	47.8 %	9.8 %	0.0 %	0.0 %	7.1 %	8.6 %	6.0 %	2.9 %	17.8 %	5,215
1994	48.1 %	9.4 %	0.0 %	0.0 %	7.2 %	8.7 %	6.0 %	2.8 %	17.8 %	5,234

Source: EUROCOPTER

TABLE 7.3

WORLD MILITARY HELICOPTER FLEET
Category: Piston Engine
(Units at Year-end)

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total									Units World
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1986	0.0 %	0.0 %	0.0 %	35.7 %	0.0 %	0.0 %	35.7 %	0.0 %	28.7 %	0.0 %	0.0 %	0.0 %	129	9.3 %	21.9 %	10.1 %	0.0 %	11.3 %	4.0 %	4.5 %	0.0 %	39.0 %	1,391
1987	0.0 %	0.0 %	0.0 %	37.1 %	0.0 %	0.0 %	37.1 %	0.0 %	25.8 %	0.0 %	0.0 %	0.0 %	124	8.9 %	21.0 %	12.1 %	0.0 %	11.5 %	3.8 %	4.3 %	0.0 %	38.4 %	1,400
1988	0.0 %	0.0 %	0.0 %	37.6 %	0.0 %	0.0 %	39.3 %	0.0 %	23.1 %	0.0 %	0.0 %	0.0 %	117	9.3 %	22.5 %	2.4 %	0.0 %	14.0 %	4.1 %	4.8 %	0.0 %	42.9 %	1,255
1989	0.0 %	0.0 %	0.0 %	37.6 %	0.0 %	0.0 %	39.3 %	0.0 %	23.1 %	0.0 %	0.0 %	0.0 %	117	9.4 %	21.8 %	2.4 %	0.0 %	14.1 %	4.2 %	4.6 %	0.0 %	43.5 %	1,246
1990	0.0 %	0.0 %	0.0 %	37.6 %	0.0 %	0.0 %	39.3 %	0.0 %	23.1 %	0.0 %	0.0 %	0.0 %	117	9.5 %	21.4 %	2.4 %	0.0 %	14.1 %	4.2 %	4.6 %	0.0 %	43.6 %	1,231
1991	0.0 %	0.0 %	0.0 %	37.6 %	0.0 %	0.0 %	39.3 %	0.0 %	23.1 %	0.0 %	0.0 %	0.0 %	117	9.6 %	21.6 %	2.5 %	0.0 %	14.1 %	4.3 %	4.7 %	0.0 %	43.3 %	1,223
1992	0.0 %	0.0 %	0.0 %	27.0 %	0.0 %	0.0 %	73.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	63	6.1 %	20.7 %	2.9 %	0.0 %	12.0 %	5.0 %	5.5 %	0.0 %	47.7 %	1,031
1993	0.0 %	0.0 %	0.0 %	27.0 %	0.0 %	0.0 %	73.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	63	6.9 %	21.0 %	3.3 %	0.0 %	12.4 %	4.7 %	3.5 %	0.0 %	48.2 %	913
1994	0.0 %	0.0 %	0.0 %	29.3 %	0.0 %	0.0 %	70.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	58	6.3 %	20.4 %	3.3 %	0.0 %	13.7 %	4.7 %	3.5 %	0.0 %	48.1 %	914
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	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 %
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 %
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 %
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 %
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 %
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 %
1992	-	-	-	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 %
1994	-	-	-	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										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12	EU12	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

Source: EUROCOPTER

TABLE 7.4

WORLD MILITARY HELICOPTER FLEET
Category: Light Single Engine
 (Units at Year-end)

	Member State Breakdown in % of EU 12 Total													Units EU12	Geographical Breakdown - % of World Total									Units World
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12		Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	4.3%	9.7%	0.9%	3.2%	42.3%	22.0%	1.7%	0.6%	8.4%	0.0%	4.1%	2.8%	1,623	24.3%	8.3%	29.0%	1.2%	4.9%	7.4%	4.2%	1.5%	19.2%	6,668	
1987	4.2%	9.8%	0.9%	3.2%	42.6%	22.2%	1.7%	0.6%	8.5%	0.0%	4.2%	2.0%	1,607	24.2%	8.5%	28.8%	1.2%	5.2%	7.1%	4.2%	1.5%	19.2%	6,639	
1988	4.0%	9.9%	0.9%	3.3%	42.3%	22.4%	1.8%	0.6%	8.6%	0.0%	4.2%	2.0%	1,590	23.7%	8.5%	28.5%	1.2%	5.1%	6.7%	4.1%	1.5%	20.8%	6,708	
1989	4.0%	10.0%	0.9%	3.3%	41.7%	22.6%	1.8%	0.6%	8.8%	0.0%	4.3%	2.0%	1,574	23.4%	8.4%	28.3%	1.2%	5.4%	6.5%	4.1%	1.5%	21.2%	6,735	
1990	4.0%	10.1%	1.3%	3.3%	41.7%	22.2%	1.8%	0.6%	8.9%	0.0%	4.1%	2.0%	1,569	23.5%	8.5%	27.5%	1.2%	5.5%	6.5%	4.0%	1.5%	21.8%	6,687	
1991	3.9%	10.0%	1.6%	3.3%	41.4%	21.9%	1.8%	0.6%	9.5%	0.0%	4.1%	2.0%	1,586	24.5%	8.8%	24.4%	1.2%	5.6%	6.7%	4.2%	1.5%	23.0%	6,476	
1992	2.6%	8.7%	1.6%	1.6%	41.6%	21.9%	3.0%	0.6%	12.0%	0.0%	4.1%	1.9%	1,579	24.7%	8.9%	23.4%	1.3%	6.0%	6.8%	4.3%	1.4%	23.2%	6,391	
1993	1.9%	8.9%	1.6%	1.7%	41.9%	22.2%	3.1%	0.5%	12.2%	0.0%	4.0%	1.9%	1,552	24.6%	9.0%	22.2%	1.3%	6.2%	6.9%	4.3%	1.4%	24.1%	6,306	
1994	1.9%	8.9%	1.6%	1.7%	42.0%	22.2%	3.1%	0.5%	12.2%	0.0%	4.0%	1.9%	1,553	24.5%	8.7%	22.8%	1.3%	6.2%	6.8%	4.3%	1.4%	24.0%	6,346	

	Design Origin EU - Market Shares in Member States													Design Origin EU - Market Shares in Zones								
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1986	100.0%	100.0%	0.0%	9.6%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	86.3%	72.1%	0.0%	0.0%	52.5%	63.0%	73.6%	100.0%	48.2%	48.1%
1987	100.0%	100.0%	0.0%	9.6%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	86.2%	72.6%	0.0%	0.0%	52.9%	62.0%	75.8%	100.0%	47.3%	48.0%
1988	100.0%	100.0%	0.0%	9.6%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	86.0%	72.8%	0.0%	0.0%	52.9%	60.5%	75.0%	100.0%	47.0%	47.6%
1989	100.0%	100.0%	0.0%	9.6%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	85.8%	72.8%	0.0%	0.0%	52.6%	59.4%	74.2%	100.0%	46.0%	47.2%
1990	100.0%	100.0%	30.0%	9.6%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	85.7%	72.1%	0.0%	0.0%	50.5%	56.2%	73.7%	100.0%	45.3%	47.0%
1991	100.0%	100.0%	46.2%	9.6%	100.0%	100.0%	14.3%	100.0%	0.0%	-	100.0%	100.0%	85.2%	71.7%	0.0%	0.0%	48.9%	56.0%	73.8%	100.0%	45.0%	48.6%
1992	100.0%	100.0%	46.2%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	84.0%	71.4%	0.0%	0.0%	46.7%	56.4%	71.2%	100.0%	45.4%	48.7%
1993	100.0%	100.0%	48.0%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	83.8%	71.2%	0.0%	0.0%	46.8%	56.5%	71.1%	100.0%	45.0%	49.1%
1994	100.0%	100.0%	48.0%	0.0%	100.0%	100.0%	50.0%	100.0%	0.0%	-	100.0%	100.0%	83.8%	70.1%	0.0%	0.0%	47.5%	56.4%	71.0%	100.0%	45.1%	48.7%

	Design Origin EU - Distribution among Member States													Design Origin EU - Distribution among Zones									
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	4.9%	11.3%	0.0%	0.4%	49.0%	25.5%	0.3%	0.7%	0.0%	-	4.8%	3.2%	1,401	43.7%	12.5%	0.0%	0.0%	5.3%	9.7%	6.4%	3.2%	19.3%	3,205
1987	4.9%	11.4%	0.0%	0.4%	49.5%	25.7%	0.3%	0.7%	0.0%	-	4.8%	2.3%	1,385	43.4%	12.9%	0.0%	0.0%	5.7%	9.2%	6.7%	3.1%	18.9%	3,188
1988	4.7%	11.5%	0.0%	0.4%	49.1%	26.0%	0.3%	0.7%	0.0%	-	4.9%	2.3%	1,368	42.8%	13.0%	0.0%	0.0%	5.7%	8.5%	6.4%	3.1%	20.5%	3,194
1989	4.7%	11.7%	0.0%	0.4%	48.6%	26.4%	0.3%	0.7%	0.0%	-	5.0%	2.3%	1,350	42.5%	13.0%	0.0%	0.0%	6.0%	8.2%	6.4%	3.1%	20.7%	3,177
1990	4.7%	11.8%	0.4%	0.4%	48.7%	25.9%	0.3%	0.7%	0.0%	-	4.8%	2.3%	1,344	42.7%	13.1%	0.0%	0.0%	5.9%	7.8%	6.3%	3.2%	21.0%	3,144
1991	4.6%	11.7%	0.9%	0.4%	48.6%	25.7%	0.3%	0.7%	0.0%	-	4.8%	2.3%	1,351	42.9%	13.0%	0.0%	0.0%	5.6%	7.7%	6.3%	3.2%	21.3%	3,150
1992	3.3%	10.4%	0.9%	0.0%	49.5%	26.1%	1.8%	0.8%	0.0%	-	4.9%	2.3%	1,326	42.6%	13.1%	0.0%	0.0%	5.7%	7.8%	6.3%	2.9%	21.6%	3,115
1993	2.3%	10.6%	0.9%	0.0%	50.1%	26.5%	1.8%	0.6%	0.0%	-	4.8%	2.3%	1,300	41.9%	13.0%	0.0%	0.0%	5.9%	7.9%	6.3%	2.9%	22.1%	3,099
1994	2.3%	10.6%	0.9%	0.0%	50.1%	26.5%	1.8%	0.6%	0.0%	-	4.8%	2.3%	1,301	42.1%	12.5%	0.0%	0.0%	6.1%	7.9%	6.2%	2.9%	22.2%	3,089

Source: EUROCOPTER

TABLE 7.5

WORLD MILITARY HELICOPTER FLEET
Category: Light Twin Engine
 (Units at Year-end)

Member State Breakdown in % of EU 12 Total														Geographical Breakdown - % of World Total									
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	0.0 %	70.8 %	0.0 %	15.8 %	1.8 %	0.7 %	0.0 %	0.0 %	3.8 %	0.0 %	7.0 %	0.0 %	442	67.3 %	0.6 %	0.0 %	0.0 %	6.2 %	7.8 %	5.3 %	0.0 %	12.8 %	657
1987	0.0 %	70.8 %	0.0 %	15.8 %	1.8 %	0.7 %	0.0 %	0.0 %	3.8 %	0.0 %	7.0 %	0.0 %	442	64.4 %	2.3 %	0.0 %	0.0 %	7.3 %	8.6 %	5.1 %	0.0 %	12.2 %	686
1988	0.0 %	67.5 %	0.0 %	15.2 %	1.5 %	0.6 %	0.0 %	0.0 %	8.9 %	0.0 %	6.3 %	0.0 %	462	66.8 %	3.5 %	0.0 %	0.0 %	8.2 %	6.8 %	3.6 %	0.0 %	11.1 %	692
1989	0.0 %	64.7 %	0.0 %	14.5 %	3.1 %	0.6 %	0.0 %	0.0 %	11.0 %	0.0 %	6.0 %	0.0 %	482	67.8 %	3.4 %	0.0 %	0.0 %	8.2 %	6.6 %	3.4 %	0.0 %	10.7 %	711
1990	0.0 %	63.0 %	0.0 %	13.9 %	5.9 %	0.6 %	0.0 %	0.0 %	10.7 %	0.0 %	5.9 %	0.0 %	495	66.9 %	3.2 %	0.0 %	0.0 %	9.7 %	6.4 %	3.2 %	0.0 %	10.5 %	740
1991	0.2 %	62.0 %	0.0 %	13.7 %	7.2 %	0.6 %	0.0 %	0.0 %	10.5 %	0.0 %	5.8 %	0.0 %	503	67.2 %	3.2 %	0.0 %	0.0 %	9.7 %	6.3 %	3.2 %	0.0 %	10.4 %	749
1992	2.1 %	59.7 %	0.0 %	13.2 %	9.2 %	0.6 %	0.0 %	0.0 %	10.1 %	0.0 %	5.2 %	0.0 %	523	67.6 %	3.2 %	0.0 %	0.0 %	9.9 %	6.1 %	3.1 %	0.0 %	10.1 %	774
1993	6.0 %	56.4 %	0.0 %	12.5 %	10.1 %	0.5 %	0.0 %	0.0 %	9.6 %	0.0 %	4.9 %	0.0 %	553	69.0 %	3.1 %	0.0 %	0.0 %	9.6 %	5.9 %	2.9 %	0.0 %	9.6 %	802
1994	8.1 %	55.1 %	0.0 %	12.2 %	9.9 %	0.5 %	0.0 %	0.0 %	9.4 %	0.0 %	4.8 %	0.0 %	566	69.6 %	2.8 %	0.0 %	0.0 %	9.5 %	5.8 %	2.8 %	0.0 %	9.5 %	813
Design Origin EU - Market Shares in Member States														Design Origin EU - Market Shares in Zones									
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1986	-	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 %
1987	-	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 %
1988	-	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 %
1989	-	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 %
1990	-	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 %
1991	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	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 %
1993	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 %
1994	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 %
Design Origin EU - Distribution among Member States														Design Origin EU - Distribution among Zones									
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	0.0 %	70.8 %	0.0 %	15.8 %	1.8 %	0.7 %	0.0 %	0.0 %	3.8 %	-	7.0 %	0.0 %	442	67.3 %	0.6 %	0.0 %	0.0 %	6.2 %	7.8 %	5.3 %	0.0 %	12.8 %	657
1987	0.0 %	70.8 %	0.0 %	15.8 %	1.8 %	0.7 %	0.0 %	0.0 %	3.8 %	-	7.0 %	0.0 %	442	64.4 %	2.3 %	0.0 %	0.0 %	7.3 %	8.6 %	5.1 %	0.0 %	12.2 %	686
1988	0.0 %	67.5 %	0.0 %	15.2 %	1.5 %	0.6 %	0.0 %	0.0 %	8.9 %	-	6.3 %	0.0 %	462	66.8 %	3.5 %	0.0 %	0.0 %	8.2 %	6.8 %	3.6 %	0.0 %	11.1 %	692
1989	0.0 %	64.7 %	0.0 %	14.5 %	3.1 %	0.6 %	0.0 %	0.0 %	11.0 %	-	6.0 %	0.0 %	482	67.8 %	3.4 %	0.0 %	0.0 %	8.2 %	6.6 %	3.4 %	0.0 %	10.7 %	711
1990	0.0 %	63.0 %	0.0 %	13.9 %	5.9 %	0.6 %	0.0 %	0.0 %	10.7 %	-	5.9 %	0.0 %	495	66.9 %	3.2 %	0.0 %	0.0 %	9.7 %	6.4 %	3.2 %	0.0 %	10.5 %	740
1991	0.2 %	62.0 %	0.0 %	13.7 %	7.2 %	0.6 %	0.0 %	0.0 %	10.5 %	-	5.8 %	0.0 %	503	67.2 %	3.2 %	0.0 %	0.0 %	9.7 %	6.3 %	3.2 %	0.0 %	10.4 %	749
1992	2.1 %	59.7 %	0.0 %	13.2 %	9.2 %	0.6 %	0.0 %	0.0 %	10.1 %	-	5.2 %	0.0 %	523	67.6 %	3.2 %	0.0 %	0.0 %	9.9 %	6.1 %	3.1 %	0.0 %	10.1 %	774
1993	6.0 %	56.4 %	0.0 %	12.5 %	10.1 %	0.5 %	0.0 %	0.0 %	9.6 %	-	4.9 %	0.0 %	553	69.0 %	3.1 %	0.0 %	0.0 %	9.6 %	5.9 %	2.9 %	0.0 %	9.6 %	802
1994	8.1 %	55.1 %	0.0 %	12.2 %	9.9 %	0.5 %	0.0 %	0.0 %	9.4 %	-	4.8 %	0.0 %	566	69.6 %	2.8 %	0.0 %	0.0 %	9.5 %	5.8 %	2.8 %	0.0 %	9.5 %	813

Source: EUROCOPTER

TABLE 7.6

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

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total									
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	0.0%	31.5%	0.7%	8.5%	4.1%	20.6%	6.2%	0.5%	25.4%	0.0%	2.3%	0.0%	945	17.2%	7.7%	40.9%	0.9%	7.0%	6.6%	2.8%	0.0%	17.0%	5,505
1987	0.0%	31.9%	0.7%	8.5%	4.2%	20.7%	6.1%	0.5%	25.0%	0.0%	2.3%	0.0%	939	16.9%	7.6%	40.5%	0.9%	7.1%	6.4%	2.8%	0.0%	17.7%	5,560
1988	0.0%	31.5%	0.7%	8.3%	4.0%	21.3%	5.9%	0.5%	25.4%	0.0%	2.3%	0.0%	964	17.6%	7.9%	38.7%	0.9%	7.6%	6.5%	2.9%	0.0%	18.0%	5,480
1989	0.0%	31.6%	0.7%	8.3%	3.9%	21.3%	5.9%	0.5%	25.4%	0.0%	2.3%	0.0%	963	17.3%	7.9%	38.3%	0.9%	8.2%	6.6%	2.8%	0.0%	17.9%	5,555
1990	0.0%	32.2%	0.7%	8.2%	4.2%	21.0%	5.8%	0.5%	25.1%	0.0%	2.3%	0.0%	976	17.6%	7.7%	35.5%	0.9%	9.1%	6.7%	2.8%	0.0%	19.6%	5,535
1991	0.0%	32.0%	0.7%	8.4%	4.2%	21.3%	5.8%	0.5%	24.9%	0.0%	2.2%	0.0%	981	18.5%	8.2%	31.7%	1.0%	10.0%	6.7%	2.9%	0.0%	21.0%	5,303
1992	0.0%	31.0%	0.7%	9.4%	4.1%	21.6%	5.8%	0.5%	24.6%	0.0%	2.2%	0.0%	989	19.4%	9.1%	27.6%	1.0%	10.6%	6.8%	3.0%	0.0%	22.5%	5,085
1993	0.0%	30.5%	0.7%	9.8%	4.2%	21.8%	5.7%	0.5%	24.1%	0.0%	2.3%	0.5%	1,008	20.7%	9.5%	24.5%	1.1%	11.1%	7.1%	3.1%	0.0%	23.0%	4,876
1994	0.0%	30.4%	0.7%	9.8%	4.5%	21.8%	5.5%	0.5%	24.1%	0.0%	2.3%	0.5%	1,010	20.6%	9.4%	24.4%	1.1%	11.2%	7.2%	3.1%	0.0%	22.9%	4,893
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World	
1986	-	4.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	29.6%	2.4%	0.0%	0.0%	2.6%	8.3%	8.6%	-	3.0%	6.7%	
1987	-	4.7%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	29.9%	2.4%	0.0%	0.0%	2.3%	8.5%	7.8%	-	3.2%	6.7%	
1988	-	6.3%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	30.8%	2.1%	0.0%	0.0%	2.2%	11.0%	11.4%	-	3.7%	7.4%	
1989	-	6.3%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	30.7%	2.1%	0.0%	0.0%	2.6%	14.2%	11.5%	-	3.9%	7.7%	
1990	-	6.1%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	30.6%	2.1%	0.0%	0.0%	5.1%	14.9%	10.3%	-	4.2%	8.1%	
1991	-	6.1%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	30.9%	2.1%	0.0%	0.0%	9.1%	15.1%	9.7%	-	4.9%	9.1%	
1992	-	6.2%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	100.0%	-	31.1%	2.2%	0.0%	0.0%	8.7%	15.4%	9.7%	-	4.8%	9.6%	
1993	-	6.2%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	-	95.7%	100.0%	31.7%	2.2%	0.0%	0.0%	8.7%	15.4%	9.8%	-	5.0%	10.3%	
1994	-	6.2%	100.0%	0.0%	100.0%	99.1%	0.0%	100.0%	0.0%	-	95.7%	100.0%	31.8%	2.2%	0.0%	0.0%	8.6%	15.3%	9.8%	-	5.1%	10.3%	
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World	
1986	0.0%	4.3%	2.5%	0.0%	13.9%	69.6%	0.0%	1.8%	0.0%	-	7.9%	0.0%	280	75.5%	2.7%	0.0%	0.0%	2.7%	8.1%	3.5%	0.0%	7.5%	371
1987	0.0%	5.0%	2.5%	0.0%	13.9%	69.0%	0.0%	1.8%	0.0%	-	7.8%	0.0%	281	75.1%	2.7%	0.0%	0.0%	2.4%	8.0%	3.2%	0.0%	8.6%	374
1988	0.0%	6.4%	2.4%	0.0%	13.1%	69.0%	0.0%	1.7%	0.0%	-	7.4%	0.0%	297	72.8%	2.2%	0.0%	0.0%	2.2%	9.6%	4.4%	0.0%	8.8%	408
1989	0.0%	6.4%	2.4%	0.0%	12.8%	69.3%	0.0%	1.7%	0.0%	-	7.4%	0.0%	296	69.5%	2.1%	0.0%	0.0%	2.8%	12.2%	4.2%	0.0%	9.2%	426
1990	0.0%	6.4%	2.3%	0.0%	13.7%	68.6%	0.0%	1.7%	0.0%	-	7.4%	0.0%	299	66.4%	2.0%	0.0%	0.0%	5.8%	12.2%	3.6%	0.0%	10.0%	450
1991	0.0%	6.3%	2.3%	0.0%	13.5%	69.0%	0.0%	1.7%	0.0%	-	7.3%	0.0%	303	62.6%	1.9%	0.0%	0.0%	9.9%	11.2%	3.1%	0.0%	11.4%	464
1992	0.0%	6.2%	2.3%	0.0%	13.3%	69.5%	0.0%	1.6%	0.0%	-	7.1%	0.0%	308	63.1%	2.0%	0.0%	0.0%	9.6%	10.9%	3.1%	0.0%	11.3%	488
1993	0.0%	5.9%	2.2%	0.0%	13.1%	68.8%	0.0%	1.6%	0.0%	-	6.9%	1.6%	320	63.9%	2.0%	0.0%	0.0%	9.4%	10.6%	3.0%	0.0%	11.2%	501
1994	0.0%	5.9%	2.2%	0.0%	14.0%	67.9%	0.0%	1.6%	0.0%	-	6.9%	1.6%	321	63.7%	2.0%	0.0%	0.0%	9.3%	10.7%	3.0%	0.0%	11.3%	504

Source: EUROCOPTER

TABLE 7.7

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

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total									Units World
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1986	0.9 %	3.7 %	1.3 %	6.2 %	29.8 %	43.9 %	0.0 %	0.0 %	12.4 %	0.0 %	0.0 %	1.8 %	547	13.2 %	11.0 %	33.1 %	1.1 %	4.9 %	10.5 %	6.0 %	1.4 %	18.8 %	4,151
1987	0.9 %	3.6 %	1.2 %	6.4 %	29.6 %	42.2 %	0.0 %	0.0 %	14.3 %	0.0 %	0.0 %	1.8 %	561	12.6 %	10.5 %	33.7 %	1.0 %	5.1 %	11.6 %	5.6 %	1.3 %	18.6 %	4,437
1988	0.8 %	3.3 %	1.2 %	8.3 %	28.8 %	41.7 %	0.0 %	0.0 %	14.2 %	0.0 %	0.0 %	1.7 %	600	13.0 %	10.2 %	34.5 %	1.0 %	4.9 %	11.6 %	5.4 %	1.3 %	18.4 %	4,630
1989	0.8 %	3.2 %	1.3 %	8.9 %	29.4 %	40.4 %	0.0 %	0.0 %	14.3 %	0.0 %	0.0 %	1.6 %	616	12.7 %	10.4 %	35.4 %	0.9 %	4.9 %	11.2 %	4.9 %	1.2 %	18.2 %	4,834
1990	0.8 %	9.4 %	1.3 %	8.9 %	28.8 %	35.1 %	0.0 %	0.0 %	14.1 %	0.0 %	0.0 %	1.6 %	638	12.9 %	8.3 %	36.9 %	0.9 %	5.3 %	11.2 %	4.8 %	1.2 %	18.6 %	4,958
1991	0.8 %	9.1 %	1.2 %	9.0 %	28.5 %	33.8 %	0.0 %	0.0 %	16.0 %	0.0 %	0.0 %	1.5 %	656	12.8 %	8.2 %	37.5 %	0.9 %	5.2 %	11.0 %	4.6 %	1.1 %	18.7 %	5,130
1992	0.8 %	9.4 %	1.3 %	8.9 %	29.7 %	32.0 %	0.0 %	0.0 %	16.4 %	0.0 %	0.0 %	1.6 %	640	12.2 %	8.5 %	37.9 %	0.8 %	5.1 %	10.8 %	4.6 %	1.1 %	19.0 %	5,230
1993	0.8 %	9.4 %	1.3 %	8.9 %	29.8 %	30.1 %	1.6 %	0.0 %	16.5 %	0.0 %	0.0 %	1.6 %	637	11.8 %	8.7 %	37.9 %	0.8 %	5.0 %	10.8 %	4.4 %	1.1 %	19.6 %	5,400
1994	0.8 %	9.4 %	1.3 %	8.9 %	29.7 %	30.0 %	2.0 %	0.0 %	16.4 %	0.0 %	0.0 %	1.6 %	640	11.6 %	8.5 %	38.5 %	0.8 %	5.1 %	10.6 %	4.3 %	1.1 %	19.6 %	5,522
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	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 %	100.0 %	17.5 %	-	-	0.0 %	-	-	100.0 %	42.4 %	12.4 %	0.0 %	0.0 %	23.2 %	11.9 %	32.4 %	100.0 %	10.1 %	14.6 %	
1987	0.0 %	0.0 %	0.0 %	52.8 %	100.0 %	17.7 %	-	-	0.0 %	-	-	100.0 %	42.2 %	14.1 %	0.0 %	0.0 %	23.1 %	12.1 %	32.0 %	100.0 %	10.6 %	14.5 %	
1988	0.0 %	0.0 %	0.0 %	54.0 %	100.0 %	16.8 %	-	-	0.0 %	-	-	100.0 %	42.0 %	14.4 %	0.0 %	0.0 %	23.6 %	11.8 %	34.1 %	100.0 %	10.8 %	14.5 %	
1989	0.0 %	0.0 %	0.0 %	58.2 %	100.0 %	16.9 %	-	-	0.0 %	-	-	100.0 %	43.0 %	13.5 %	0.0 %	0.0 %	23.4 %	10.9 %	33.6 %	100.0 %	10.2 %	14.0 %	
1990	0.0 %	0.0 %	0.0 %	59.6 %	100.0 %	18.8 %	-	-	0.0 %	-	-	100.0 %	42.3 %	18.5 %	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 %	100.0 %	18.5 %	-	-	0.0 %	-	-	100.0 %	41.8 %	18.6 %	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 %	100.0 %	19.5 %	-	-	0.0 %	-	-	100.0 %	43.6 %	19.7 %	0.0 %	0.0 %	23.8 %	12.8 %	33.9 %	100.0 %	9.7 %	14.1 %	
1993	0.0 %	0.0 %	0.0 %	68.4 %	100.0 %	20.8 %	0.0 %	-	0.0 %	-	-	100.0 %	43.8 %	15.4 %	0.0 %	0.0 %	23.7 %	13.7 %	34.2 %	100.0 %	9.5 %	13.6 %	
1994	0.0 %	0.0 %	0.0 %	68.4 %	100.0 %	20.8 %	0.0 %	-	0.0 %	-	-	100.0 %	43.6 %	15.6 %	0.0 %	0.0 %	23.8 %	14.0 %	34.3 %	100.0 %	9.3 %	13.4 %	
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	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 %	7.3 %	70.3 %	18.1 %	0.0 %	0.0 %	0.0 %	-	0.0 %	4.3 %	232	38.2 %	9.4 %	0.0 %	0.0 %	7.7 %	8.6 %	13.3 %	9.7 %	13.0 %	607
1987	0.0 %	0.0 %	0.0 %	8.0 %	70.0 %	17.7 %	0.0 %	0.0 %	0.0 %	-	0.0 %	4.2 %	237	36.9 %	10.3 %	0.0 %	0.0 %	8.1 %	9.7 %	12.3 %	9.2 %	13.6 %	642
1988	0.0 %	0.0 %	0.0 %	10.7 %	68.7 %	16.7 %	0.0 %	0.0 %	0.0 %	-	0.0 %	4.0 %	252	37.6 %	10.1 %	0.0 %	0.0 %	7.9 %	9.4 %	12.7 %	8.6 %	13.7 %	671
1989	0.0 %	0.0 %	0.0 %	12.1 %	68.3 %	15.8 %	0.0 %	0.0 %	0.0 %	-	0.0 %	3.8 %	265	39.2 %	10.1 %	0.0 %	0.0 %	8.3 %	8.7 %	11.8 %	8.6 %	13.3 %	676
1990	0.0 %	0.0 %	0.0 %	12.6 %	68.1 %	15.6 %	0.0 %	0.0 %	0.0 %	-	0.0 %	3.7 %	270	38.5 %	10.8 %	0.0 %	0.0 %	8.3 %	9.5 %	11.8 %	8.3 %	12.8 %	702
1991	0.0 %	0.0 %	0.0 %	13.1 %	68.2 %	15.0 %	0.0 %	0.0 %	0.0 %	-	0.0 %	3.6 %	274	38.3 %	10.9 %	0.0 %	0.0 %	8.7 %	10.3 %	11.3 %	8.1 %	12.4 %	716
1992	0.0 %	0.0 %	0.0 %	14.0 %	68.1 %	14.3 %	0.0 %	0.0 %	0.0 %	-	0.0 %	3.6 %	279	37.9 %	11.8 %	0.0 %	0.0 %	8.7 %	9.8 %	11.0 %	7.9 %	13.0 %	737
1993	0.0 %	0.0 %	0.0 %	14.0 %	68.1 %	14.3 %	0.0 %	0.0 %	0.0 %	-	0.0 %	3.6 %	279	37.9 %	9.8 %	0.0 %	0.0 %	8.7 %	10.9 %	11.1 %	7.9 %	13.7 %	736
1994	0.0 %	0.0 %	0.0 %	14.0 %	68.1 %	14.3 %	0.0 %	0.0 %	0.0 %	-	0.0 %	3.6 %	279	37.6 %	9.8 %	0.0 %	0.0 %	9.0 %	11.1 %	11.1 %	7.8 %	13.6 %	742

Source: EUROCOPTER

TABLE 7.8

WORLD MILITARY HELICOPTER FLEET
Category: Very Heavy
(Units at Year-end)

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total									Units World
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	
1986	0.0%	50.7%	0.0%	6.5%	8.8%	16.3%	4.7%	0.0%	13.0%	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%	49.5%	0.0%	8.2%	8.6%	15.5%	4.5%	0.0%	13.6%	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%	50.0%	0.0%	8.3%	8.7%	15.1%	4.1%	0.0%	13.8%	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%	50.2%	0.0%	8.3%	8.3%	15.2%	4.1%	0.0%	13.8%	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%	50.2%	0.0%	8.3%	8.3%	15.2%	4.1%	0.0%	13.8%	0.0%	0.0%	0.0%	217	16.7%	0.0%	62.9%	0.5%	0.8%	11.0%	1.5%	0.0%	6.7%	1,303
1991	0.0%	50.2%	0.0%	8.3%	8.3%	15.2%	4.1%	0.0%	13.8%	0.0%	0.0%	0.0%	217	16.3%	0.0%	62.2%	0.0%	0.8%	11.5%	1.5%	0.0%	7.8%	1,332
1992	0.0%	50.2%	0.0%	8.3%	8.3%	15.2%	4.1%	0.0%	13.8%	0.0%	0.0%	0.0%	217	16.0%	0.0%	61.8%	0.0%	0.7%	11.3%	1.5%	0.0%	8.6%	1,354
1993	0.0%	48.7%	0.0%	8.0%	8.0%	14.7%	4.0%	0.0%	13.4%	0.0%	3.1%	0.0%	224	16.3%	0.0%	61.6%	0.0%	0.7%	11.1%	1.5%	0.0%	8.9%	1,376
1994	0.0%	48.7%	0.0%	8.0%	8.0%	14.7%	4.0%	0.0%	13.4%	0.0%	3.1%	0.0%	224	16.2%	0.0%	61.8%	0.0%	0.7%	11.1%	1.4%	0.0%	8.8%	1,384
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	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%	-	-	-	8.3%	-	0.0%	0.0%	0.0%	18.9%	5.0%	-	11.5%	4.3%	
1991	-	0.0%	-	0.0%	100.0%	0.0%	0.0%	-	0.0%	-	-	-	8.3%	-	0.0%	-	0.0%	17.6%	5.0%	-	9.6%	4.2%	
1992	-	0.0%	-	0.0%	100.0%	0.0%	0.0%	-	0.0%	-	-	-	8.3%	-	0.0%	-	0.0%	17.6%	5.0%	-	8.5%	4.1%	
1993	-	0.0%	-	0.0%	100.0%	0.0%	0.0%	-	0.0%	-	0.0%	-	8.0%	-	0.0%	-	0.0%	17.6%	5.0%	-	8.2%	4.1%	
1994	-	0.0%	-	0.0%	100.0%	0.0%	0.0%	-	0.0%	-	0.0%	-	8.0%	-	0.0%	-	0.0%	17.6%	5.0%	-	8.2%	4.0%	
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones										
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	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%	100.0%	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%	100.0%	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%	100.0%	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%	100.0%	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%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	18	32.1%	0.0%	0.0%	0.0%	0.0%	48.2%	1.8%	0.0%	17.9%	56
1991	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	18	32.1%	0.0%	0.0%	0.0%	0.0%	48.2%	1.8%	0.0%	17.9%	56
1992	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	18	32.1%	0.0%	0.0%	0.0%	0.0%	48.2%	1.8%	0.0%	17.9%	56
1993	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	18	32.1%	0.0%	0.0%	0.0%	0.0%	48.2%	1.8%	0.0%	17.9%	56
1994	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	18	32.1%	0.0%	0.0%	0.0%	0.0%	48.2%	1.8%	0.0%	17.9%	56

Source: EUROCOPTER

TABLE 7.9

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

	Member State Breakdown in % of EU 12 Total												Units EU12	Geographical Breakdown - % of World Total									Units World	
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT		EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia		
1986	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 %	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 %	100.0 %	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 %	100.0 %	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 %	100.0 %	0.0 %	0.0 %	0.0 %	15	0.5 %	6.6 %	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 %	100.0 %	0.0 %	0.0 %	0.0 %	21	0.7 %	7.6 %	60.9 %	0.0 %	1.4 %	11.7 %	4.5 %	0.0 %	13.1 %	2,841	
1994	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	0.0 %	0.0 %	30	1.0 %	7.4 %	60.2 %	0.0 %	1.4 %	12.7 %	4.4 %	0.0 %	12.8 %	2,908	
	Design Origin EU - Market Shares in Member States												Design Origin EU - Market Shares in Zones											
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	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 %	
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 %	1.0 %		
	Design Origin EU - Distribution among Member States												Design Origin EU - Distribution among Zones											
	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	EU12	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 %	100.0 %	-	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 %	100.0 %	-	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 %	100.0 %	-	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 %	100.0 %	-	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 %	100.0 %	-	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 7.10

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

Member State Breakdown in % of EU 12 Total

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12
1986	0.0%	3.9%	0.8%	14.2%	18.1%	11.0%	0.0%	0.0%	52.0%	0.0%	0.0%	0.0%	127
1987	0.0%	0.0%	9.4%	0.0%	23.2%	5.1%	0.0%	0.0%	62.3%	0.0%	0.0%	0.0%	138
1988	51.7%	0.0%	0.0%	0.0%	30.3%	18.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	89
1989	0.0%	0.0%	0.0%	8.3%	91.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24
1990	0.0%	0.0%	0.0%	0.0%	73.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.3%	19
1991	0.0%	0.0%	0.0%	17.9%	16.4%	65.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	67
1992	0.0%	0.0%	0.0%	0.0%	10.3%	20.7%	58.6%	0.0%	0.0%	0.0%	10.3%	0.0%	29
1993	0.0%	0.0%	0.0%	0.0%	13.3%	10.0%	0.0%	0.0%	0.0%	0.0%	76.7%	0.0%	30
1994	0.0%	0.0%	0.0%	0.0%	70.4%	0.0%	29.6%	0.0%	0.0%	0.0%	0.0%	0.0%	27

Design Origin EU - Market Shares in Member States

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT
1986	-	100.0%	100.0%	100.0%	100.0%	0.0%	-	-	1.5%	-	-	-
1987	-	-	100.0%	-	100.0%	0.0%	-	-	80.2%	-	-	-
1988	100.0%	-	-	-	100.0%	100.0%	-	-	-	-	-	-
1989	-	-	-	100.0%	100.0%	-	-	-	-	-	-	-
1990	-	-	-	-	100.0%	-	-	-	-	-	-	100.0%
1991	-	-	-	33.3%	100.0%	100.0%	-	-	-	-	-	-
1992	-	-	-	-	100.0%	0.0%	0.0%	-	-	-	0.0%	-
1993	-	-	-	-	100.0%	0.0%	-	-	-	-	73.9%	-
1994	-	-	-	-	100.0%	-	0.0%	-	-	-	-	-

Design Origin EU - Distribution among Member States

	BE	DE	DK	ES	FR	GB	GR	IE	IT	LU	NL	PT	Units EU12
1986	0.0%	10.4%	2.1%	37.5%	47.9%	0.0%	0.0%	0.0%	2.1%	-	0.0%	0.0%	48
1987	0.0%	0.0%	11.4%	0.0%	28.1%	0.0%	0.0%	0.0%	60.5%	-	0.0%	0.0%	114
1988	51.7%	0.0%	0.0%	0.0%	30.3%	18.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	89
1989	0.0%	0.0%	0.0%	8.3%	91.7%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	24
1990	0.0%	0.0%	0.0%	0.0%	73.7%	0.0%	0.0%	0.0%	0.0%	-	0.0%	26.3%	19
1991	0.0%	0.0%	0.0%	6.8%	18.6%	74.6%	0.0%	0.0%	0.0%	-	0.0%	0.0%	59
1992	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	3
1993	0.0%	0.0%	0.0%	0.0%	19.0%	0.0%	0.0%	0.0%	0.0%	-	81.0%	0.0%	21
1994	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	-	0.0%	0.0%	19

Geographical Breakdown - % of World Total

	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	15.7%	2.5%	38.7%	0.0%	4.6%	2.5%	2.5%	0.0%	33.6%	807
1987	22.5%	5.1%	41.5%	0.0%	4.1%	7.7%	0.2%	0.0%	19.0%	612
1988	14.1%	2.2%	38.1%	0.0%	12.8%	6.5%	1.3%	0.0%	25.0%	632
1989	4.9%	0.4%	43.1%	0.0%	17.5%	7.2%	1.2%	0.0%	25.7%	487
1990	3.5%	7.6%	34.4%	0.0%	5.0%	7.4%	1.8%	0.0%	40.3%	543
1991	17.5%	1.0%	50.5%	0.0%	2.9%	11.5%	1.8%	0.0%	14.7%	382
1992	5.9%	16.6%	31.6%	0.0%	9.1%	5.3%	2.4%	0.0%	29.0%	493
1993	5.5%	5.3%	43.1%	18.3%	4.0%	1.1%	0.0%	0.7%	21.8%	545
1994	6.2%	7.8%	31.7%	0.0%	10.3%	6.2%	9.7%	0.0%	28.0%	435

Design Origin EU - Market Shares in Zones

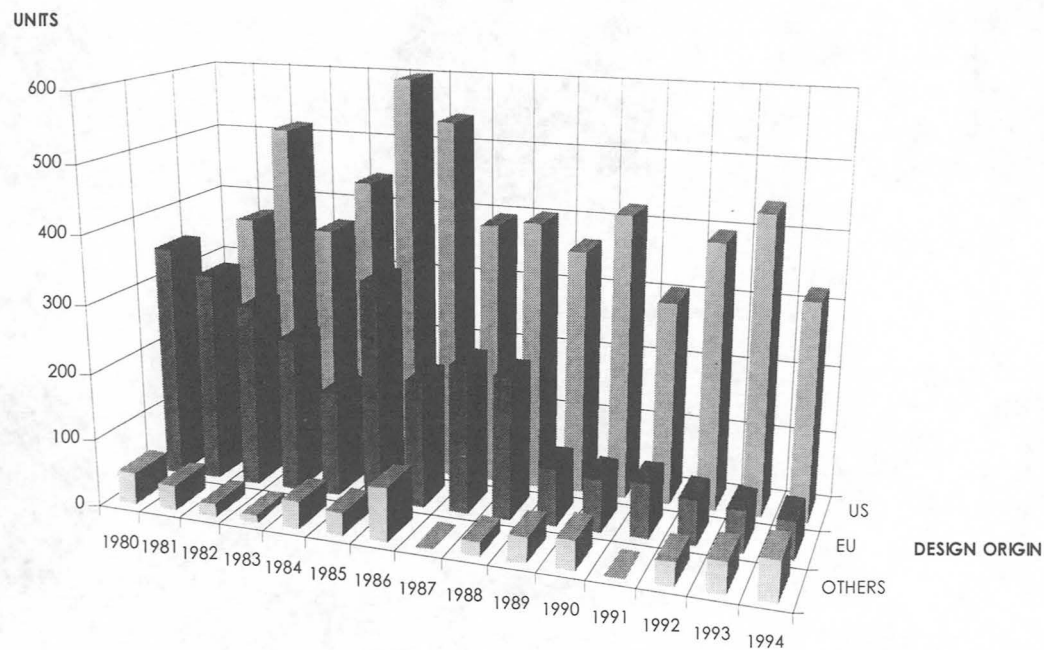
	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	World
1986	37.8%	10.0%	0.0%	-	32.4%	90.0%	100.0%	-	1.5%	12.9%
1987	82.6%	100.0%	0.0%	-	28.0%	42.6%	100.0%	-	19.0%	31.9%
1988	100.0%	57.1%	0.0%	-	75.3%	63.4%	50.0%	-	14.6%	33.4%
1989	100.0%	50.0%	0.0%	-	23.5%	22.9%	16.7%	-	18.4%	15.8%
1990	100.0%	29.3%	0.0%	-	33.3%	22.5%	20.0%	-	5.5%	11.6%
1991	88.1%	0.0%	0.0%	-	81.8%	0.0%	71.4%	-	12.5%	20.9%
1992	10.3%	0.0%	0.0%	-	73.3%	23.1%	25.0%	-	8.4%	11.6%
1993	70.0%	75.9%	0.0%	0.0%	4.5%	0.0%	-	0.0%	3.4%	8.8%
1994	70.4%	0.0%	0.0%	-	24.4%	0.0%	11.9%	-	0.0%	8.0%

Design Origin EU - Distribution among Zones

	EU12	Rest of Europe	USA	Canada	Latin America	Middle East	Africa	Republic of South Africa	Asia + Australasia	Units World
1986	46.2%	1.9%	0.0%	0.0%	11.5%	17.3%	19.2%	0.0%	3.8%	104
1987	58.5%	15.9%	0.0%	0.0%	3.6%	10.3%	0.5%	0.0%	11.3%	195
1988	42.2%	3.8%	0.0%	0.0%	28.9%	12.3%	1.9%	0.0%	10.9%	211
1989	31.2%	1.3%	0.0%	0.0%	26.0%	10.4%	1.3%	0.0%	29.9%	77
1990	30.2%	19.0%	0.0%	0.0%	14.3%	14.3%	3.2%	0.0%	19.0%	63
1991	73.8%	0.0%	0.0%	0.0%	11.3%	0.0%	6.3%	0.0%	8.8%	80
1992	5.3%	0.0%	0.0%	0.0%	57.9%	10.5%	5.3%	0.0%	21.1%	57
1993	43.8%	45.8%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	8.3%	48
1994	54.3%	0.0%	0.0%	0.0%	31.4%	0.0%	14.3%	0.0%	0.0%	35

Source: EUROCOPTER

CHART 7.1

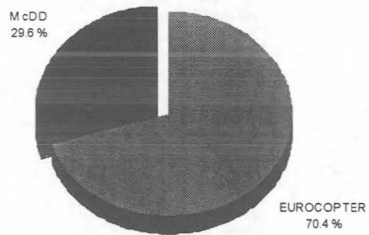
1980 - 1994 ANNUAL MILITARY HELICOPTER ORDERS
TO WORLD MARKET BY DESIGN ORIGIN

Source: EUROCOPTER

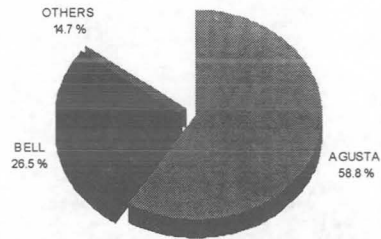
CHART 7.2

1994 SHARE OF MILITARY ORDERS BY MANUFACTURER

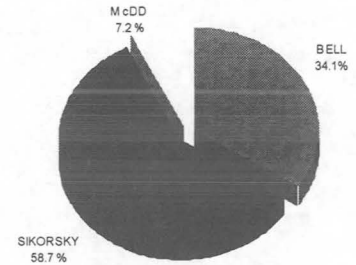
EU12 MARKET



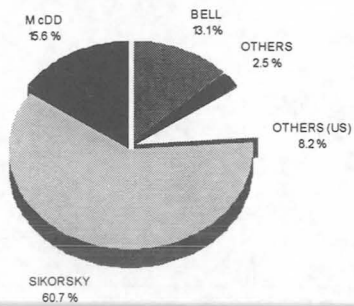
OTHER EUROPEAN MARKET



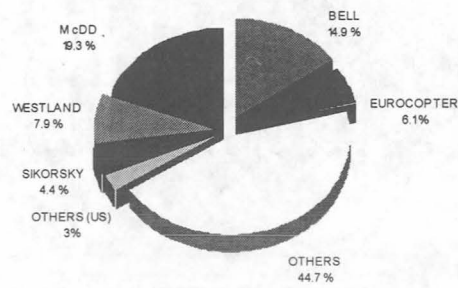
NORTH AMERICAN MARKET



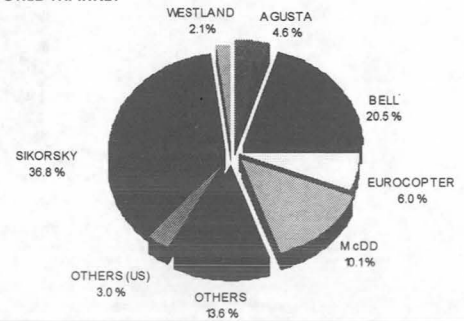
ASIAN & AUSTRALASIAN MARKET



OTHER MARKET



WORLD MARKET



Source: EUROCOPTER

Chapter 8

Military Turbine Engines

Data relating to **military turbine engines**, provided by Walters Research Company, cover the number of turbine aircraft engines in military service in the world. Former Warsaw Pact and P.R.China fleets have been excluded throughout, however engines exported by these countries have been included in the relevant category under design origin 'Other'.

Data does not include an allowance for spare engines that may be in circulation. The engine statistics reflect the aircraft in service 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.

Military engines are broken down according to category of engines, take-off thrust¹ categories, design origin, manufacturer and geographical areas.

The various categories are listed below.

Engine categories

- Turbofan > 14 Tons
- Turbofan 7 - 14 Tons
- Turbofan 3 - 7 Tons
- Turbofan <= 3 Tons
- Turbojet 7 - 14 Tons
- Turbojet 3 - 7 Tons
- Turbojet <= 3 Tons
- Turboprop
- Turboshaft

Design origin

- EU;
- USA;
- Other.

Design origin reflects country of original design (or significant re-design) and not necessarily the country of production and/or assembly.

Manufacturers

- CFM International Int'l
- General Electric US
- Pratt & Whitney US
- Rolls-Royce GB
- Snecma FR
- Turbo-Union Int'l
- Other

Manufacturer reflects the company which originated the design (or has significantly re-designed /developed the engine) and does not necessarily indicate production/assembly origin.

¹ Maximum thrust, including reheat where applicable

Geographical areas

• **EU** including all States with full membership in 1994 • **Other Europe** including Austria, Croatia, Cyprus, Finland, Iceland, Krajina, Malta, Norway, Serbia, Serbian Bosnia, Slovenia, Sweden, Switzerland, Turkey • **USA** • **Canada** • **Latin America and Caribbean** including Argentina, Bahamas, Belize, 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 and North Africa** including Algeria, Bahrain, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, United Arab Emirates, Yemen • **Africa South of Sahara** including Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Congo, Congo Kinhasa, Djibouti, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bisseau, Guinea Republic, Ivory Coast, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, Somalia, Swaziland, Tanzania, Tchad, Togo, Uganda, Zambia, Zimbabwe • **Republic of South Africa** • **Asia** including Afghanistan, Bangladesh, Brunei, Cambodia, India, Indonesia, Japan, Korea Democratic people's Republic, Laos, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Republic of Korea, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam • **Australasia** including Australia, Fiji, New Zealand, Papua New Guinea.

A list of military engines included in the study is given 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
CFM Int'l	TEXTRON (AVCO LYCOMIN	IHI	ROLLS-ROYCE	ALLISON	IHI
CFM-56 ¹	ALF502	F-3	Avon	J33	J-3
ROLLS-ROYCE	ALLIED SIGNAL (GARRETT)	ZMBK (IVCHENKO)	Orpheus	FAIRCHILD	INSTYTUT LOTNICTIVA
Conway	ATF3	AI-25	Viper	J44	SO-3
M54H	TFE731	KKBM (KUZNETOV)	SNECMA	GENERAL ELECTRIC	KLIMOV
Pegasus	GENERAL ELECTRIC	NK-8	Atar	CJ610	VK-1
RB-211	CF6	P&W CANADA		CJ805	RKBM (KOLIESOV)
Spey	CF34 (TF34)	JT15D		J47	VD-7
Tay	CF700	AVIADVIGATEL (SOLOVIEV)		J79	SATURN (LYULKA)
R-R / TURBOMECA	F101, F110	D20		J85	AL-7F
Adour	F 118, F404	D30		PRATT & WHITNEY	AL-21F
SNECMA	TF39	SOYUZ (TUMANSKY)		J52	SOYUZ (MIKULIN)
M53	PRATT & WHITNEY	R29		J57	AM-3
M88	F100	R33		J58	MOTORLET
SNECMA / TURBOMECA	JT3D (TF33)			J75	M701
Larzac	JT8D			JT12 (J60)	SOYUZ (TUMANSKY)
TURBOMECA	JT9D			TELEDYNE	RD9
Aubisque	TF30			J69	R13
TURBO-UNION					RU19
RB-199					R25
					R31

TURBOPROPS			TURBOSHAFTS		
Design origin EU	Design origin USA	Design origin Other	Design origin EU	Design origin USA	Design origin Other
ROLLS-ROYCE	ALLISON	ZMKB (IVCHENKO)	ROLLS-ROYCE	ALLISON	MARS (GLUSHENKOV)
Dart	250	AI-20	Gem	250 (T63)	GTD-3
Tyne	501 (T56)	AI-24	Nimbus	TEXTRON (AVCO LYCOMING)	TVD-10
Astazou	AVCO LYCOMING	P&W CANADA	TURBOMECA	LTC4	KLIMOV (ISOTOV)
TURBOMECA	T53	PT-6A	Arriel	LTS101	GTD-350
Bastan	LTP101	MOTORLET (WALTER)	Arlouste	T53	TV-2
	ALLIED SIGNAL (GARRETT)	M601	Astazou	T55	TV-3
	TPE331 (T76)	KKBM (KUZNETSON)	Makila	GENERAL ELECTRIC	ZMKB (LOTAREV)
	GENERAL ELECTRIC	NK-12	Turmo	T58	D-136
	CT7			T64	P&W CANADA
	T64			T700	PT-6T
				PRATT & WHITNEY	AVIADVIGATEL (SOLOVIEV)
				T73	D-25
				ROLLS ROYCE	
				GNOME	

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

Source: Walters Research

TABLE 8.1

MILITARY TURBINE ENGINES INVENTORY

TURBOFAN - MAXIMUM THRUST ABOVE 14 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	24	0	525	0	0	28	0	0	0	0	577
1987	24	0	599	0	4	32	0	0	0	0	659
1988	24	0	697	0	4	32	0	0	0	0	757
1989	28	0	714	0	7	32	0	0	0	0	781
1990	31	0	723	0	7	32	0	0	0	0	793
1991	39	0	727	0	7	32	0	0	16	0	821
1992	39	0	743	5	10	32	0	0	13	0	842
1993	43	0	760	14	2	47	2	0	14	0	882
1994	43	0	792	14	2	47	2	0	14	0	914

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	17.9 %	0.0 %	0.0 %	0.0 %	0.0 %	3.5 %
1987	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.5 %
1988	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.1 %	0.0 %	0.0 %	0.0 %	0.0 %	2.9 %
1989	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.6 %
1990	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	28.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.9 %
1991	79.5 %	0.0 %	0.0 %	0.0 %	0.0 %	28.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.7 %
1992	79.5 %	0.0 %	0.0 %	0.0 %	0.0 %	28.1 %	0.0 %	0.0 %	0.0 %	0.0 %	3.9 %
1993	62.8 %	0.0 %	0.0 %	0.0 %	0.0 %	6.4 %	0.0 %	0.0 %	0.0 %	0.0 %	3.3 %
1994	62.8 %	0.0 %	0.0 %	0.0 %	0.0 %	6.4 %	0.0 %	0.0 %	0.0 %	0.0 %	3.3 %

Source: Walters Research

TABLE 8.2

MILITARY TURBINE ENGINES INVENTORY
TURBOFAN - MAXIMUM THRUST BETWEEN 7 AND 14 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,809	381	8,087	260	185 r	1,224 r	181 r	10	829 r	133	13,099 r
1987	1,956	426	9,150	298	200 r	1,570 r	228 r	20	1,016 r	158	15,022 r
1988	2,149	488	9,507	348	210 r	1,674 r	224 r	20	1,317 r	228	16,165 r
1989	2,251	516	10,053	348	255 r	1,748 r	216 r	20	1,453 r	265	17,126 r
1990	2,454	547	10,485	340	259 r	1,922 r	211 r	20	1,515 r	265	18,017 r
1991	2,450	567	10,567	340	268 r	1,901 r	209 r	20	1,611 r	260	18,193 r
1992	2,411	608	10,646	340	268 r	2,292 r	205 r	20	1,577 r	258	18,625 r
1993	2,787 r	686	9,885 r	304	263 r	2,380 r	148 r	16	1,642 r	288	18,399 r
1994	2,829	685	8,968	304	264	2,481	148	16	1,642	288	17,625

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	82.0 %	0.0 %	9.6 %	0.0 %	2.3 %	1.5 %	0.0 %	0.0 %	7.5 %	0.0 %	19.3 %
1987	80.7 %	0.0 %	8.8 %	0.0 %	6.3 %	3.6 %	0.0 %	0.0 %	6.6 %	0.0 %	18.1 %
1988	80.1 %	0.0 %	7.8 %	0.0 %	6.0 %	3.3 %	0.0 %	0.0 %	5.1 %	0.0 %	17.5 %
1989	78.1 %	0.0 %	7.2 %	0.0 %	4.9 %	6.1 %	0.0 %	0.0 %	5.0 %	0.0 %	17.0 %
1990	77.2 %	0.0 %	6.4 %	0.0 %	4.8 %	8.3 %	0.0 %	0.0 %	6.0 %	0.0 %	17.0 %
1991	75.1 %	0.0 %	5.0 %	0.0 %	4.7 %	9.5 %	0.0 %	0.0 %	5.7 %	0.0 %	15.8 %
1992	74.2 %	0.0 %	3.2 %	0.0 %	4.7 %	7.9 %	0.0 %	0.0 %	6.1 %	0.0 %	14.1 %
1993	72.3 %	0.0 %	1.7 %	0.0 %	6.1 % r	8.3 % r	0.0 %	0.0 %	8.3 % r	0.0 %	14.5 %
1994	72.0 %	0.0 %	2.2 %	0.0 %	6.1 %	7.9 %	0.0 %	0.0 %	8.0 %	0.0 %	14.7 %

<i>Design Origin EU / US - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	1.9 %	0.0 %	8.4 %	0.0 %	0.0 %	1.4 %	0.0 %	0.0 %	0.4 %	0.0 %	5.9 %
1987	1.7 %	0.0 %	8.9 %	0.0 %	0.0 %	3.1 %	0.0 %	0.0 %	0.3 %	0.0 %	6.3 %
1988	1.6 %	0.0 %	9.9 %	0.0 %	0.0 %	2.9 %	0.0 %	0.0 %	0.2 %	0.0 %	6.7 %
1989	1.5 %	0.0 %	10.6 %	0.0 %	0.0 %	2.9 %	0.0 %	0.0 %	0.2 %	0.0 %	7.1 %
1990	1.4 %	0.0 %	11.4 %	0.0 %	0.0 %	2.7 %	0.0 %	0.0 %	0.2 %	0.0 %	7.5 %
1991	2.6 %	0.0 %	11.9 %	0.0 %	0.0 %	2.7 %	0.0 %	0.0 %	0.2 %	0.0 %	8.0 %
1992	2.8 %	0.0 %	13.0 %	0.0 %	0.0 %	2.2 %	0.0 %	0.0 %	0.4 %	0.0 %	8.6 %
1993	2.9 %	0.0 %	15.6 %	0.0 %	0.0 %	0.9 %	0.0 %	0.0 %	0.0 %	0.0 %	9.3 %
1994	3.5 %	0.0 %	14.3 %	0.0 %	0.0 %	2.1 %	0.0 %	0.0 %	0.0 %	0.0 %	8.1 %

r Revised

Source: Walters Research

TABLE 8.3

MILITARY TURBINE ENGINES INVENTORY

TURBOFAN - MAXIMUM THRUST BETWEEN 3 AND 7 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	806	0	921	23	116 r	124	81 r	15	346 r	13	2,445 r
1987	768	0	905	26	120 r	126	86 r	15	375 r	13	2,434 r
1988	751	5	959	40	114 r	124	84 r	15	403 r	13	2,508 r
1989	761	5	962	40	115 r	135	85 r	15	440 r	13	2,572 r
1990	808	5	945	40	106 r	136	88 r	15	462 r	8	2,613 r
1991	811	5	931	40	115 r	136	91 r	0	470 r	8	2,607 r
1992	770	8	861	40	124 r	129	96 r	0	482 r	8	2,518 r
1993	822 r	24	885 r	0	136 r	84 r	82 r	0	285 r	4	2,322 r
1994	740	24	915	0	136	84	82	0	305	0	2,286
<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	91.8 %	0.0 %	0.7 %	0.0 %	54.6 %	74.2 %	76.8 %	100.0 %	84.3 %	38.5 %	40.7 %
1987	90.6 %	0.0 %	1.5 %	0.0 %	53.0 %	77.0 %	78.2 %	100.0 %	84.9 %	38.5 %	41.3 %
1988	90.5 %	100.0 %	1.8 %	0.0 %	53.5 %	78.2 %	77.6 %	100.0 %	86.1 %	38.5 %	40.6 %
1989	91.0 %	100.0 %	1.7 %	0.0 %	53.9 %	80.0 %	74.0 %	100.0 %	81.9 %	38.5 %	40.8 %
1990	90.2 %	100.0 %	1.8 %	0.0 %	61.9 %	81.6 %	74.8 %	100.0 %	80.4 %	0.0 %	41.9 %
1991	90.2 %	100.0 %	1.8 %	0.0 %	65.1 %	81.6 %	75.5 %	0.0 %	80.2 %	0.0 %	42.4 %
1992	90.8 %	100.0 %	2.0 %	0.0 %	64.5 %	80.6 %	76.8 %	0.0 %	78.2 %	0.0 %	43.4 %
1993	87.9 %	25.0 %	3.4 %	0.0 %	83.6 %	87.8 %	68.3 % r	0.0 %	84.2 % r	0.0 %	51.6 %
1994	88.4 %	25.0 %	3.3 %	0.0 %	93.4 %	92.9 %	68.3 %	0.0 %	78.7 %	0.0 %	52.1 %

r Revised

Source: Walters Research

TABLE 8.4

MILITARY TURBINE ENGINES INVENTORY TURBOFAN - MAXIMUM THRUST BELOW 3 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	971	111 r	500 r	18	183 r	313 r	151	0	298 r	8	2,553 r
1987	968	111 r	516 r	15	196 r	356 r	163	0	379 r	8	2,712 r
1988	975	174 r	520 r	15	213 r	410 r	167	0	459 r	8	2,941 r
1989	990	175 r	520 r	0	240 r	582 r	170	0	593 r	20	3,290 r
1990	993	182 r	544 r	0	254 r	591 r	169	0	686 r	20	3,439 r
1991	992	184 r	524 r	0	263 r	578 r	174	0	756 r	20	3,491 r
1992	956	181 r	600 r	0	259 r	600 r	193	8	866 r	20	3,683 r
1993	921 r	213 r	507 r	0	266 r	621 r	200 r	6	1,061 r	19 r	3,814 r
1994	923	213	505	0	266	621	200	6	1,061	19	3,814

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	80.2 %	80.1 %	0.0 %	0.0 %	0.0 %	52.8 %	52.8 %	0.0 %	10.2 %	0.0 %	56.6 %
1987	79.9 %	80.1 %	0.0 %	0.0 %	0.0 %	47.7 %	48.1 %	0.0 %	8.0 %	0.0 %	53.9 %
1988	79.0 %	87.4 %	0.9 %	0.0 %	0.0 %	46.9 %	48.1 %	0.0 %	6.6 %	0.0 %	54.6 %
1989	77.2 %	86.3 %	0.9 %	0.0 %	0.0 %	32.4 %	44.9 %	0.0 %	5.0 %	0.0 %	48.7 %
1990	76.7 %	86.8 %	1.8 %	0.0 %	0.0 %	31.1 %	45.0 %	0.0 %	4.2 %	0.0 %	47.4 %
1991	76.4 %	86.9 %	1.8 %	0.0 %	0.0 %	31.8 %	45.0 %	0.0 %	3.8 %	0.0 %	47.1 %
1992	74.7 %	87.8 %	5.3 %	0.0 %	0.0 %	31.9 %	42.8 %	0.0 %	6.6 %	0.0 %	45.4 %
1993	71.2 %	33.3 % r	5.0 %	0.0 %	0.0 %	33.7 % r	48.0 % r	0.0 %	18.5 % r	0.0 %	46.6 %
1994	68.9 %	33.3 %	1.8 %	0.0 %	6.0 %	33.7 %	48.0 %	0.0 %	18.5 %	0.0 %	32.3 %

r Revised

Source: Wallers Research

TABLE 8.5

MILITARY TURBINE ENGINES INVENTORY
TURBOJET - MAXIMUM THRUST BETWEEN 7 AND 14 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,303 r	1,017	3,421 r	0	371 r	3,346	268	68	2,102	0	11,896 r
1987	1,194 r	1,084	2,860 r	0	371 r	3,357	265	65	2,120	0	11,316 r
1988	1,157 r	974	2,399 r	0	342 r	3,441	284	65	2,112	0	10,774 r
1989	1,095 r	928	1,859 r	0	368 r	3,380	287	79	2,219	0	10,215 r
1990	1,083 r	923	1,410 r	0	385 r	3,311	284	84	2,270	0	9,750 r
1991	1,117 r	964	881 r	0	385 r	3,108	320	90	2,326	0	9,191 r
1992	1,046 r	920	458 r	0	411 r	2,898	281	69	2,242	0	8,325 r
1993	1,045 r	866 r	394 r	0	411 r	2,405 r	512 r	30 r	3,100 r	0	8,763 r
1994	1,045	866	402	0	411	2,405	512	30	3,096	0	8,767

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	17.3 %	6.7 %	0.0 %	0.0 %	3.2 %	10.8 %	0.0 %	100.0 %	0.0 %	0.0 %	9.5 %
1987	16.4 %	4.9 %	0.0 %	0.0 %	3.2 %	10.8 %	0.0 %	100.0 %	0.0 %	0.0 %	9.1 %
1988	15.1 %	5.6 %	0.0 %	0.0 %	3.4 %	10.5 %	0.0 %	100.0 %	0.0 %	0.0 %	9.2 %
1989	15.6 %	5.3 %	0.0 %	0.0 %	3.0 %	11.0 %	0.0 %	100.0 %	0.0 %	0.0 %	9.8 %
1990	15.5 %	5.3 %	0.0 %	0.0 %	2.9 %	10.7 %	0.0 %	100.0 %	0.0 %	0.0 %	10.2 %
1991	14.8 %	5.0 %	0.0 %	0.0 %	2.9 %	10.2 %	0.0 %	100.0 %	0.0 %	0.0 %	10.6 %
1992	14.9 %	5.3 %	0.0 %	0.0 %	2.9 % r	8.2 %	0.0 %	100.0 %	0.0 %	0.0 %	10.7 %
1993	14.7 %	5.5 % r	0.0 %	0.0 %	2.9 % r	8.4 % r	0.0 % r	100.0 %	0.0 % r	0.0 %	6.5 %
1994	29.1 %	16.5 %	0.0 %	0.0 %	7.3 %	10.8 %	0.0 %	100.0 %	0.0 %	0.0 %	8.7 %

r Revised

Source: Walters Research

TABLE 8.6

MILITARY TURBINE ENGINES INVENTORY

TURBOJET - MAXIMUM THRUST BETWEEN 3 AND 7 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,010 r	234 r	3,965	8	764 r	985 r	90 r	70	1,009 r	113	8,248 r
1987	894 r	234 r	3,650	0	745 r	959 r	83 r	70	1,038 r	87	7,760 r
1988	762 r	234 r	3,455	0	737 r	905 r	81 r	64	899 r	36	7,173 r
1989	718 r	234 r	2,917	0	448 r	796 r	80 r	50	774 r	26	6,043 r
1990	699 r	233 r	2,692	0	432 r	770 r	80 r	30	755 r	26	5,717 r
1991	621 r	231 r	2,273	0	423 r	694 r	77 r	30	753 r	26	5,128 r
1992	498 r	231 r	1,846	0	405 r	656 r	75 r	30	714 r	25	4,480 r
1993	485 r	214 r	1,651	60	429 r	531 r	35 r	29 r	727 r	26	4,187 r
1994	485	213	1,647	60	429	529	35	29	523	26	3,976

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	77.1 %	52.4 %	0.0 %	0.0 %	23.2 %	25.8 %	17.6 %	100.0 %	43.7 %	75.2 %	35.7 %
1987	80.2 %	52.4 %	0.0 %	0.0 %	23.0 %	23.8 %	19.9 %	100.0 %	42.3 %	67.8 %	35.4 %
1988	81.3 %	52.4 %	0.0 %	0.0 %	22.9 %	23.7 %	19.6 %	100.0 %	42.6 %	22.2 %	34.3 %
1989	81.3 %	52.4 %	0.0 %	0.0 %	29.0 %	25.6 %	19.7 %	100.0 %	49.0 %	0.0 %	36.9 %
1990	81.3 %	52.4 %	0.0 %	0.0 %	28.7 %	26.4 %	19.7 %	100.0 %	50.4 %	0.0 %	38.0 %
1991	81.3 %	52.4 %	0.0 %	0.0 %	28.5 %	29.2 %	20.3 %	100.0 %	51.5 %	0.0 %	39.7 %
1992	81.3 %	52.4 %	0.0 %	0.0 %	28.3 %	30.9 %	19.6 %	100.0 %	45.1 %	0.0 %	40.4 %
1993	81.3 %	52.4 %	0.0 %	0.0 %	28.3 %	47.6 %	34.6 %	100.0 %	45.4 %	0.0 %	40.5 %
1994	71.8 %	62.9 %	0.0 %	0.0 %	42.2 %	42.2 %	51.4 %	100.0 %	56.6 %	0.0 %	30.9 %

r Revised

Source: Walters Research

TABLE 8.7

MILITARY TURBINE ENGINES INVENTORY

TURBOJET - MAXIMUM THRUST BELOW 3 TONS

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,651 r	1,357	3,992 r	311	870 r	1,375	216	278	2,922 r	65	13,036 r
1987	1,648 r	1,329	3,821 r	311	859 r	1,334	190	277	2,851 r	65	12,684 r
1988	1,555 r	1,397	3,714 r	307	898 r	1,272	176	281	2,776 r	63	12,438 r
1989	1,454 r	1,426	3,606 r	307	884 r	1,203	174	281	2,663 r	62	12,059 r
1990	1,465 r	1,400	3,580 r	307	870 r	1,201	177	278	2,565 r	59	11,902 r
1991	1,360 r	1,443	3,369 r	307	868 r	1,097	170	274	2,392 r	62	11,341 r
1992	1,209 r	1,402	3,165 r	305	883 r	1,091	171	273	2,324 r	56	10,878 r
1993	1,084 r	1,228	2,963 r	306	828 r	1,075 r	130 r	400	2,337 r	49	10,400 r
1994	1,083	1,228	2,591	306	826	1,075	130	400	2,276	49	9,964

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	53.4 %	41.6 %	0.0 %	0.0 %	30.4 %	27.4 %	69.2 %	100.0 %	16.9 %	100.0 %	24.4 %
1987	53.9 %	39.9 %	0.0 %	0.0 %	30.3 %	27.4 %	78.1 %	100.0 %	17.3 %	100.0 %	24.6 %
1988	53.9 %	43.6 %	0.0 %	0.0 %	28.1 %	27.8 %	81.7 %	100.0 %	16.4 %	100.0 %	24.6 %
1989	52.9 %	42.4 %	0.0 %	0.0 %	26.3 %	29.5 %	81.4 %	100.0 %	14.9 %	100.0 %	24.0 %
1990	51.1 %	38.1 %	0.0 %	0.0 %	26.6 %	29.5 %	79.8 %	100.0 %	12.9 %	100.0 %	23.3 %
1991	52.8 %	36.8 %	0.0 %	0.0 %	26.6 %	26.7 %	79.8 %	100.0 %	13.1 %	100.0 %	23.2 %
1992	50.8 %	35.3 %	0.0 %	0.0 %	26.0 %	26.8 %	81.4 %	100.0 %	13.1 %	100.0 %	22.6 %
1993	61.3 %	36.5 %	0.0 %	0.0 %	25.1 %	34.4 % r	83.6 %	100.0 %	13.1 %	100.0 %	25.3 %
1994	58.6 %	36.5 %	0.0 %	0.0 %	11.6 %	38.2 %	83.1 %	100.0 %	8.3 %	100.0 %	23.5 %

Source: Walters Research

TABLE 8.8

MILITARY TURBINE ENGINES INVENTORY

TURBOPROP

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	1,557	537 r	7,325 r	288 r	2,068 r	1,331	616	62	2,255	256 r	16,295 r
1987	1,591	474 r	7,222 r	288 r	2,208 r	1,390	620	60	2,347	268 r	16,468 r
1988	1,638	490 r	7,078 r	288 r	2,329 r	1,498	620	60	2,567	295 r	16,862 r
1989	1,737	495 r	7,001 r	289 r	2,278 r	1,487	618	62	2,697	314 r	16,978 r
1990	1,829	485 r	7,049 r	300 r	2,322 r	1,517	640	62	2,801	333 r	17,338 r
1991	1,859	509 r	7,089 r	318 r	2,319 r	1,549	641	57	2,858	351 r	17,548 r
1992	1,902	549 r	6,882 r	300 r	2,425 r	1,610	632	57	2,992	325 r	17,673 r
1993	2,130 r	536 r	6,451 r	262 r	2,461 r	1,654 r	667	92	3,164 r	317 r	17,734 r
1994	2,126	558	6,441	262	2,461	1,650	674	92	3,154	353	17,771

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	40.6 %	14.8 %	0.4 %	6.4 %	15.5 %	6.0 %	8.3 %	40.3 %	13.2 %	10.2 %	9.7 %
1987	40.4 %	16.7 %	0.4 %	6.4 %	14.4 %	5.7 %	8.3 %	41.7 %	12.5 %	14.4 %	9.7 %
1988	39.5 %	16.2 %	0.4 %	6.4 %	13.7 %	5.3 %	7.7 %	41.7 %	12.1 %	13.7 %	9.6 %
1989	37.4 %	16.1 %	0.4 %	6.4 %	11.8 %	5.3 %	7.8 %	40.3 %	11.5 %	13.0 %	9.3 %
1990	35.8 %	16.4 %	0.4 %	6.2 %	11.4 %	5.2 %	7.5 %	40.3 %	11.1 %	13.3 %	9.1 %
1991	35.6 %	15.6 %	0.5 %	5.8 %	11.4 %	5.1 %	7.1 %	35.1 %	10.8 %	13.3 %	9.0 %
1992	34.0 %	14.5 %	0.5 %	6.2 %	10.9 %	4.7 %	7.2 %	35.1 %	10.4 %	12.5 %	8.8 %
1993	36.4 %	12.8 %	0.1 %	0.0 %	9.4 %	2.7 %	7.8 %	0.0 %	9.0 %	10.9 %	8.6 %
1994	35.0 %	10.4 %	0.1 %	0.0 %	9.6 %	2.7 %	7.7 %	0.0 %	8.6 %	11.9 %	8.2 %

r Revised

Source: Walters Research

TABLE 8.9

MILITARY TURBINE ENGINES INVENTORY

TURBOSHAFT

<i>Units in Service at Year-end</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total Units
1986	5,435	1,006	14,794	279	1,391	3,482	872	276	3,410	217	31,162
1987	5,295	1,094	14,730	276	1,420	3,766	1,011	269	3,520	210	31,591
1988	5,362	1,134	14,795	275	1,409	3,757	1,042	262	3,729	205	31,970
1989	5,367	1,130	14,830	270	1,580	3,760	1,013	262	3,763	237	32,212
1990	5,595	1,149	15,326	270	1,709	3,775	998	212	3,962	289	33,285
1991	5,674	1,176	14,661	262	1,761	3,743	990	211	4,067	238	32,784 r
1992	5,640	1,217	14,331	252	1,763	3,756	971	177	4,161	233	32,500 r
1993	5,877 r	1,226	14,841 r	169	2,061 r	4,333 r	831	267	5,152 r	241	34,998 r
1994	5,897	1,245	14,399	169	2,061	4,381	831	267	5,171	241	34,662

<i>Design Origin EU - % Share of Total</i>											
	EU	Other Europe	USA	Canada	Latin America and Caribbean	Middle East and North Africa	Africa South of Sahara	Republic of South Africa	Asia	Australasia	Total
1986	52.1 %	40.3 %	0.0 %	0.0 %	23.2 %	25.1 %	44.8 %	100.0 %	17.2 %	18.3 %	19.2 %
1987	51.4 %	37.2 %	0.0 %	0.0 %	23.1 %	24.9 %	37.6 %	100.0 %	17.5 %	18.7 %	18.9 %
1988	51.1 %	37.1 %	0.0 %	0.0 %	23.5 %	23.3 %	34.5 %	100.0 %	17.3 %	15.9 %	18.5 %
1989	50.6 %	36.6 %	0.0 %	0.0 %	23.2 %	22.5 %	34.0 %	100.0 %	18.1 %	14.2 %	18.4 %
1990	49.7 %	36.5 %	0.0 %	0.0 %	24.9 %	22.4 %	35.0 %	100.0 %	18.0 %	11.6 %	18.2 %
1991	49.9 %	37.6 %	0.0 %	0.0 %	24.9 %	21.7 %	35.1 %	100.0 %	18.2 %	13.7 %	18.7 %
1992	50.3 %	37.8 %	0.0 %	0.0 %	24.1 %	21.0 %	35.5 %	100.0 %	17.9 %	13.6 %	18.7 %
1993	47.3 %	34.4 %	1.3 %	0.0 %	27.9 %	18.8 %	41.5 %	100.0 %	16.3 %	13.7 %	17.9 %
1994	46.3 %	32.2 %	1.3 %	0.0 %	30.4 %	18.4 %	41.5 %	100.0 %	15.5 %	13.7 %	17.9 %

r Revised

Source: Walters Research

TABLE 8.10 (a) MILITARY TURBINE ENGINES INVENTORY
Manufacturers' Share of Engines in Operation by Year-end

	TURBOFAN											
	MAXIMUM THRUST ABOVE 14 TONS				MAXIMUM THRUST BETWEEN 7 AND 14 TONS							
	GENERAL ELECTRIC	PRATT & WHITNEY	ROLLS ROYCE	TOTAL UNITS	CFM INTL	GENERAL ELECTRIC	PRATT & WHITNEY	ROLLS ROYCE	SNECMA	TURBO UNION	OTHER	TOTAL UNITS
1986	86.5 %	10.0 %	3.5 %	577	6.0 %	4.0 %	62.0 %	10.0 %	1.0 %	8.0 %	8.0 %	13,099
1987	86.5 %	7.5 %	3.5 %	659	6.0 %	10.0 %	56.0 %	9.0 %	1.0 %	8.0 %	9.0 %	15,022
1988	87.4 %	7.5 %	2.8 %	757	7.0 %	12.0 %	54.0 %	8.0 %	1.0 %	8.0 %	10.0 %	16,165
1989	87.4 %	7.5 %	3.5 %	781	7.0 %	14.0 %	51.0 %	8.0 %	1.0 %	8.0 %	11.0 %	17,126
1990	87.4 %	7.5 %	3.5 %	793	8.0 %	15.0 %	50.0 %	7.0 %	2.0 %	9.0 %	11.0 %	18,017
1991	86.5 %	7.5 %	3.5 %	821	8.0 %	17.0 %	49.0 %	5.0 %	2.0 %	9.0 %	10.0 %	18,193
1992	84.6 %	12.5 %	3.5 %	842	9.0 %	18.0 %	49.0 %	4.0 %	2.0 %	9.0 %	11.0 %	18,625
1993	85.0 %	11.6 %	3.4 %	882	9.0 %	23.2 %	42.9 %	2.5 %	2.0 %	10.2 %	10.2 %	18,399
1994	83.4 %	13.3 %	3.3 %	914	8.5 %	24.1 %	41.0 %	2.3 %	2.1 %	10.7 %	11.3 %	17,625
	MAXIMUM THRUST BETWEEN 3 AND 7 TONS				MAXIMUM THRUST BELOW 3 TONS							
	GENERAL ELECTRIC	PRATT & WHITNEY	ROLLS ROYCE	OTHER	TOTAL UNITS	GENERAL ELECTRIC	PRATT & WHITNEY	ROLLS ROYCE	SNECMA	OTHER	TOTAL UNITS	
	1986	34.1 %	4.0 %	49.6 %	12.6 %	2,445	6.0 %	0.0 %	16.0 %	40.0 %	38.3 %	2,553
1987	33.4 %	4.0 %	49.6 %	12.6 %	2,434	6.0 %	0.0 %	16.0 %	38.0 %	40.9 %	2,712	
1988	34.1 %	4.0 %	49.6 %	12.6 %	2,508	5.0 %	0.0 %	17.0 %	34.0 %	44.5 %	2,941	
1989	34.1 %	4.0 %	49.6 %	12.6 %	2,572	4.0 %	0.0 %	15.0 %	31.0 %	49.0 %	3,290	
1990	33.4 %	3.0 %	50.8 %	12.6 %	2,613	4.0 %	0.0 %	16.0 %	30.0 %	49.8 %	3,439	
1991	33.4 %	3.0 %	50.8 %	12.6 %	2,607	4.0 %	0.0 %	16.0 %	29.0 %	50.7 %	3,491	
1992	32.0 %	4.0 %	52.0 %	12.6 %	2,518	5.0 %	0.0 %	16.0 %	27.0 %	51.6 %	3,683	
1993	31.6 %	4.3 %	51.5 %	12.6 %	2,322	1.2 %	0.0 %	20.2 %	26.4 %	52.2 %	3,814	
1994	34.3 %	0.0 %	52.1 %	13.6 %	2,286	0.8 %	2.8 %	14.8 %	19.0 %	62.7 %	3,814	

Source: Walters Research

TABLE 8.10 (b)

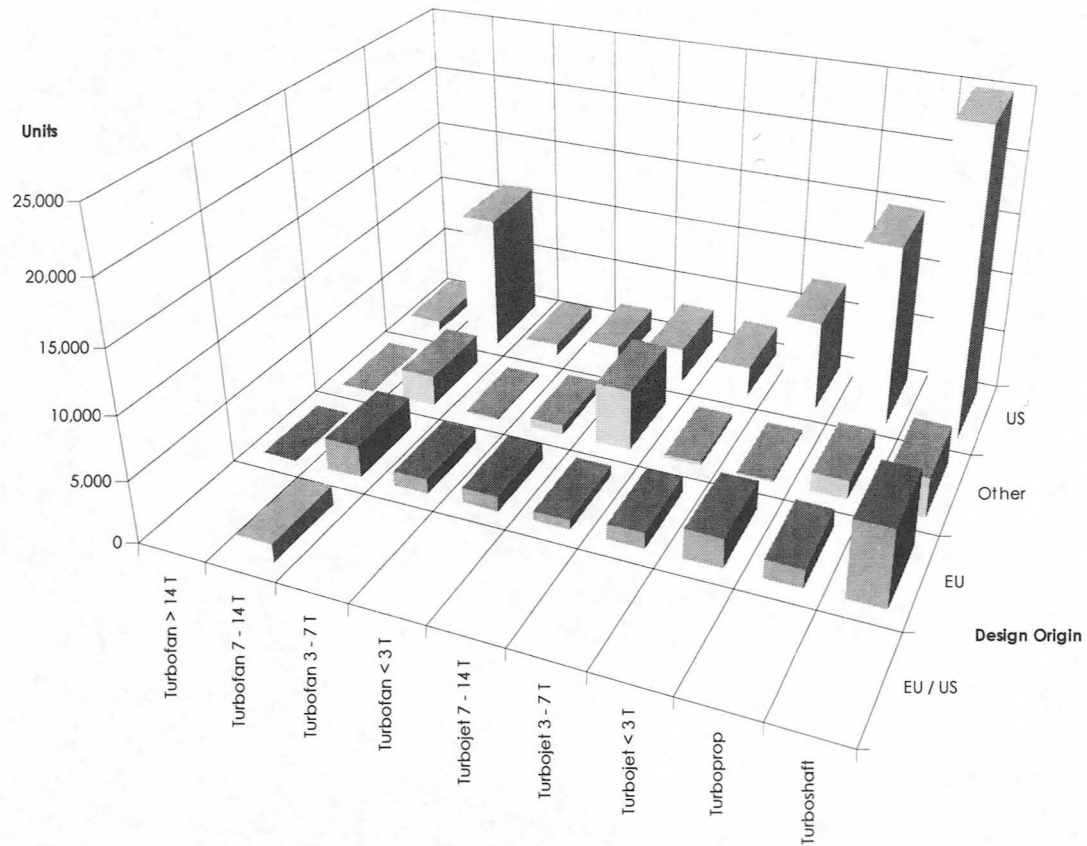
MILITARY TURBINE ENGINES INVENTORY
Manufacturers' Share of Engines in Operation by Year-end

	TURBOJET															
	MAXIMUM THRUST BETWEEN 7 AND 14 TONS						MAXIMUM THRUST BETWEEN 3 AND 7 TONS					MAXIMUM THRUST BELOW 3 TONS				
	GENERAL ELECTRIC	PRATT & WHITNEY	ROLLS ROYCE	SNECMA	OTHER	TOTAL UNITS	PRATT & WHITNEY	ROLLS ROYCE	SNECMA	OTHER	TOTAL UNITS	GENERAL ELECTRIC	PRATT & WHITNEY	ROLLS ROYCE	OTHER	TOTAL UNITS
1986	51.0 %	3.0 %	3.0 %	6.0 %	36.0 %	11,896	66.0 %	13.1 %	16.0 %	5.0 %	8,248	64.0 %	2.0 %	15.0 %	19.0 %	13,036
1987	49.0 %	3.0 %	2.0 %	7.0 %	39.0 %	11,316	65.0 %	13.1 %	16.0 %	6.0 %	7,760	65.0 %	1.0 %	15.0 %	19.0 %	12,684
1988	48.0 %	1.0 %	2.0 %	7.0 %	42.0 %	10,774	66.0 %	13.1 %	15.0 %	6.0 %	7,173	65.0 %	1.0 %	15.0 %	19.0 %	12,438
1989	45.0 %	1.0 %	2.0 %	8.0 %	44.0 %	10,215	65.0 %	13.1 %	16.0 %	6.0 %	6,043	66.0 %	1.0 %	15.0 %	18.0 %	12,059
1990	42.0 %	1.0 %	2.0 %	8.0 %	47.0 %	9,750	63.0 %	13.1 %	17.0 %	6.0 %	5,717	67.0 %	1.0 %	14.0 %	18.0 %	11,902
1991	39.0 %	1.0 %	2.0 %	8.0 %	49.0 %	9,191	61.0 %	13.1 %	17.0 %	9.0 %	5,128	68.0 %	1.0 %	15.0 %	16.0 %	11,341
1992	37.0 %	1.0 %	3.0 %	8.0 %	51.0 %	8,325	58.0 %	13.1 %	18.0 %	11.0 %	4,480	69.0 %	1.0 %	14.0 %	16.0 %	10,878
1993	34.6 %	0.0 %	0.0 %	7.5 %	57.8 %	8,763	56.0 %	13.1 %	19.2 %	11.7 %	4,187	73.5 %	0.0 %	12.8 %	13.7 %	10,400
1994	34.9 %	0.0 %	0.0 %	7.1 %	58.0 %	8,767	55.3 %	12.9 %	20.2 %	11.6 %	3,976	73.4 %	0.0 %	12.7 %	13.9 %	9,964

Source: Walters Research

1994

Distribution of Military Turbine Engines on Categories Breakdown by Design Origin



Source: Walters Research

Chapter 9

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 Eurostat¹. EU imports and exports are consolidated at EU level, excluding internal trade between member states.

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

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 concerning the United Kingdom are not complete and do not allow the subdivision as indicated below.

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, hand 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

¹ The Statistical Office of The European Union

Equipment

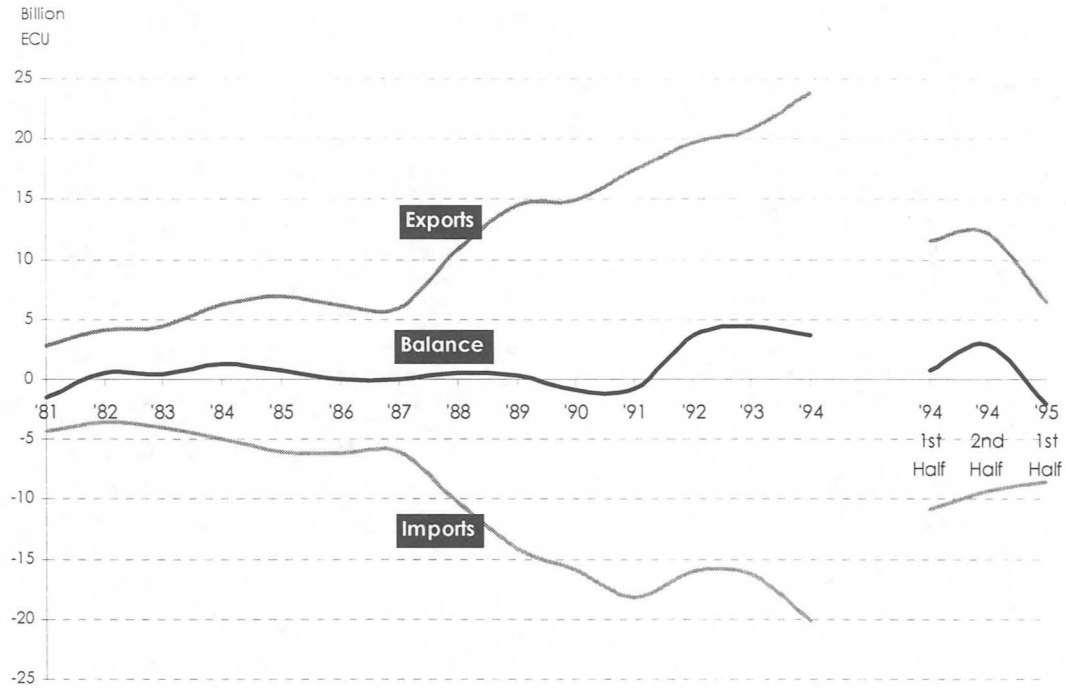
- Automatic data-processing machines and units thereof
- Hydropneumatic batteries; mechanical actuators for thrust reversers; toilet units specially designed; air humidifiers and dehumidifiers; servo-mechanisms, non-electric; non-electric starter motors; pneumatic starters for turbo-jets, turbo-propellers and other gas turbines; windscreens wipers, non-electric; propeller regulators, non-electric
- Transmission shafts (including cam shafts and crank shafts) and cranks
- Bearing housings, 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)
- 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
- Video magnetic tape recording or reproducing apparatus
- Transmission apparatus for radio-telephony or radio-telegraphy
- Radar apparatus, radio navigational aid apparatus and radio remote control apparatus
- 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.)
- Flight recorders
- Ignition wiring sets and other wiring sets
- Optical elements
- Direction finding compasses
- Stall warning calculators
- Breathing appliances and gas masks (excluding parts thereof)
- 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
- Revolution counters, speed indicators and tachometers
- 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
- Automatic regulating or controlling instruments and apparatus
- Instrument panel clocks
- Clock movements, complete and assembled

Other material

- Tubes, pipes and hoses, and fittings therefor (for example, joints, elbows, flanges), of plastics
- Other articles of plastics for technical uses
- Profile shapes, cut to size, of vulcanized rubber other than hard rubber
- Tubes, pipes and hoses, of vulcanized rubber other than hard rubber, with fittings, suitable for conducting gases or liquids
- New pneumatic tyres, of rubber
- Retreaded or used pneumatic tyres, of rubber
- Other articles of vulcanized rubber other than hard rubber
- Piping and tubing of hard rubber, with fittings attached, suitable for conducting gases or liquids
- Gaskets, washers and other seals of agglomerated cork
- Gaskets, washers and other seals of paper pulp, paper or paperboard
- 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
- Windshields of laminated safety glass, not framed
- Tubes, pipes and hollow profiles, of iron or steel, with fittings attached, suitable for conducting gases or liquids
- Stranded wire, ropes, cables, plaited bands, slings and the like, of iron or steel, not electrically insulated, with fittings attached
- Air heaters and hot air distributors (excluding parts thereof)
- Sanitary ware (excluding parts thereof), of iron and steel
- Other articles of iron or steel wire
- Stranded wire, cables, plaited bands and the like, of copper, not electrically insulated, with fittings attached
- Aluminium tubes and pipes, with fittings attached, suitable for conducting gases or liquids
- Titanium tubes and pipes, with fittings attached, suitable for conducting gases or liquids
- Base metal mountings, fittings and similar articles (hinges, castors, automatic door closers, etc.)
- Flexible tubing of base metal, with fittings attached
- Pumps for liquids; liquid elevators, and parts
- Air vacuum pumps, air or other gas compressors and fans, and parts
- Air conditioning machines and parts
- Refrigerators, freezers and other refrigerating or freezing equipment; heat pumps other than air conditioning machines
- Heat exchange units and parts
- 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
- 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.)
- Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal
- Electric motors and generators (excluding generating sets)
- Electric generating sets and rotary converters
- Electric transformers, static converters and inductors
- Electric accumulators, including separators therefor
- 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
- Furniture
- Lamps and lighting fittings; illuminated signs and name-plates

CHART 9.1

EU Civil Aircraft Products Foreign Trade



Source: Eurostat - COMEXT

TABLE 9.1

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	4,298	-	2,116	352	195	105	2,767	-	-376	-975	-151	-29	-1,531	-
1982	1,454	1,567	415	139	3,575	-	3,031	757	218	146	4,151	-	1,577	-810	-198	7	576	-
1983	1,491	1,879	499	153	4,022	3,288	2,791	1,285	247	145	4,468	11,902	1,300	-594	-252	-8	445	8,614
1984	1,721	2,504	556	192	4,974	4,800	3,962	1,875	296	164	6,297	12,242	2,240	-629	-260	-28	1,323	7,442
1985	2,660	2,644	573	234	6,111	6,531	3,704	2,649	356	205	6,914	16,960	1,044	5	-217	-30	803	10,429
1986	2,817	2,555	579	225	6,176	6,501	2,956	2,655	387	189	6,187	15,089	139	100	-193	-36	11	8,588
1987	2,633	2,648	560	194	6,035	5,552	2,651	2,806	361	169	5,988	13,657	18	159	-199	-25	-47	8,105
1988	5,754	2,970	589	933	10,246	6,430	6,228	2,901	477	1,183	10,790	17,164	474	-68	-111	250	544	10,734
1989	8,763	3,592	694	1,147	14,196	6,535	8,959	3,684	537	1,360	14,540	23,252	196	92	-157	213	344	16,717
1990	10,064	3,869	755	1,175	15,863	6,480	8,072	4,788	622	1,462	14,944	24,750	-1,992	919	-133	287	-919	18,271
1991	11,947	4,125	780	1,312	18,164	7,479	10,386	4,910	565	1,554	17,415	28,686	-1,561	785	-215	243	-749	21,207
1992	9,965	3,815	820	1,377	15,978	7,487	12,096	5,286	592	1,693	19,667	28,429	2,131	1,471	-228	316	3,690	20,942
1993	10,288	3,874	669	1,437	16,268	7,367	13,551	4,811	612	1,785	20,758	27,174	3,263	937	-57	349	4,491	19,807
1994	13,458	4,441	622	1,632	20,152	7,391	16,160	5,077	612	2,011	23,859	25,262	2,703	636	-10	379	3,707	17,871
1994 1 st Half (r)	7,374	2,272	313	848	10,807	-	7,788	2,519	300	982	11,589	-	414	246	-12	134	782	-
1994 2 nd Half	6,084	2,169	309	784	9,346	-	8,372	2,558	311	1,029	12,270	-	2,288	389	2	245	2,925	-
1995 1 st Half	5,620	1,642	495	770	8,527	-	3,701	1,488	363	912	6,464	-	-1,918	-155	-132	142	-2,063	-

(r) Revised

Sources: EU: Eurostat - COMEXT; US: A.I.A.

TABLE 9.2

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	3,988	708	205	60	24	997	-1,615	-1,031	-250	-95	-2,991
1982	1,297	1,459	375	124	3,255	727	454	66	34	1,281	-570	-1,005	-309	-89	-1,973
1983	1,282	1,702	447	132	3,563	609	803	76	29	1,517	-673	-899	-372	-103	-2,047
1984	1,484	2,124	492	163	4,262	879	1,201	95	39	2,214	-605	-923	-397	-124	-2,048
1985	2,338	2,226	512	208	5,285	1,507	1,852	126	60	3,544	-832	-374	-387	-148	-1,741
1986	2,604	2,196	518	204	5,522	806	1,844	140	62	2,852	-1,798	-352	-378	-143	-2,671
1987	2,236	2,252	505	166	5,159	1,035	1,823	137	52	3,047	-1,202	-429	-367	-114	-2,112
1988	3,826	2,574	489	370	7,259	2,008	1,965	147	263	4,382	-1,818	-609	-343	-107	-2,877
1989	6,846	3,081	595	459	10,981	2,635	2,556	164	315	5,669	-4,211	-524	-431	-145	-5,312
1990	8,134	3,363	637	465	12,599	2,340	3,481	209	310	6,340	-5,794	118	-428	-155	-6,259
1991	9,415	3,599	657	513	14,184	2,804	3,671	202	327	7,004	-6,611	71	-454	-186	-7,180
1992	6,625	3,242	671	525	11,063	3,049	3,978	181	337	7,545	-3,577	736	-489	-188	-3,518
1993	5,101	3,171	475	538	9,284	3,221 r	3,294 r	179 r	338 r	7,032 r	-1,880 r	124 r	-296 r	-200 r	-2,252 r
1994	4,818	3,410	442	578	9,249	3,290	3,567	189	346	7,391	-1,529	157	-254	-232	-1,857
1994 1 st Half	2,392	1,718 r	225 r	294	4,629 r	1,624 r	1,772 r	92	169 r	3,658 r	-768 r	55 r	-133	-125 r	-971 r
1994 2 nd Half	2,427	1,693	217	283	4,619	1,665	1,795	96	177	3,733	-761	102	-121	-107	-886
1995 1 st Half	2,628	1,303	305	292	4,528	1,036	909	115	175	2,235	-1,591	-394	-190	-118	-2,293

r Revised

Source: Eurostat - COMEXT

TABLE 9.3

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	4	3	83	147	166	42	6	30	245	109	38	3	-52	97
1989	34	10	5	97	146	223	41	7	35	306	188	32	3	-62	161
1990	13	2	6	90	111	365	46	22	41	474	352	44	16	-49	363
1991	19	1	10	103	133	699	24	18	42	784	680	23	8	-61	651
1992	31	2	13	107	153	335	38	17	44	434	305	36	4	-64	281
1993	24	14	19	107	164	379	29	17	47	472	355	15	-2	-60	307
1994	68	3	13	147	230	472	35	21	56	584	405	32	8	-91	354
1994 1 st Half	59	2	6	86 r	152 r	51	20	9	27	107	-8	19	3	-59 r	-45 r
1994 2 nd Half	9	1	7	61	78	421	15	12	29	477	413	13	5	-32	399
1995 1 st Half	25	1	8	63	96	22	19	6	34	82	-2	18	-2	-28	-14

r Revised

Source: Eurostat - COMEXT

Chapter 10

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 industry¹ 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 below²:

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).

¹ 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 turnover of the major Spanish aerospace company, Casa. Notice that the inclusion of Sweden as of 1993 has generally caused alterations to the EU totals as well as individual Member State shares.

² Previous editions indicated 3 groups thereby suggesting that engines and equipment for space vehicles were included in the engines and equipment groups. This was not the case (due to difficulties in obtaining such a breakdown of the space sector from all Member States). With this edition it should be clear that space engines and equipment are *included* in the space sector throughout. A review of the previous practice has resulted in a revision of the figures for Spain and The Netherlands for the years 1987 - 92, and for France for 1990 and 1991.

- **Turnover consolidated at EU level** representing the output of the EU as a whole, since it does not include intra-EU transactions between aerospace companies³.

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

³ Standardization problems of the accounting methods remain and may affect turnover consolidated at the EU level.

- 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. Some figures concerning maintenance carried out by major airlines have been reported separately by the national associations, and had

previously been mentioned in footnotes to the tables 10.1 through 10.6. However, as these figures are not always available, they have been cancelled with this edition.

CHART 10.1 EU Aerospace Turnover at Current Prices

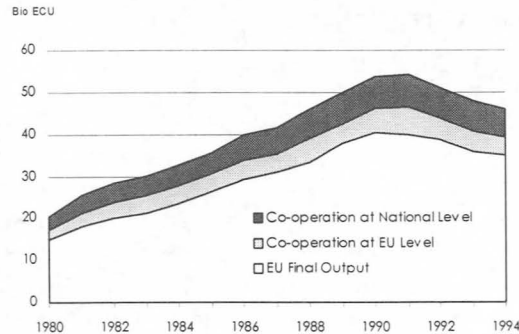
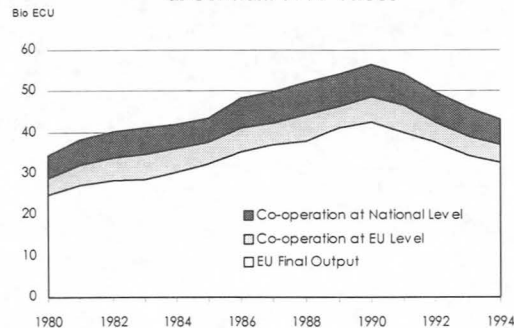


CHART 10.2 EU Aerospace Turnover at Constant 1991 Prices



Source: Industrial Associations / DGIII Annual Survey

PUBLIC SUPPORT

The tables 10.24 through 10.26 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 10.1

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	Share %
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	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	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	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 %	9,300	20.3 %	857	1.9 %	16,012	34.9 %	13,173	28.7 %	3,916	8.5 %	1,114	2.4 %	1,047	2.3 %	45,902	100.0 %

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.2

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	507		5,672		377		11,610		12,726		2,789		561		n/a		34,241	
1981	634	25.0 %	6,635	17.0 %	491	30.2 %	13,016	12.1 %	13,239	4.0 %	3,558	27.6 %	641	14.1 %	n/a	-	38,212	11.6 %
1982	617	-2.6 %	7,419	11.8 %	612	24.7 %	13,795	6.0 %	13,104	-1.0 %	3,948	11.0 %	630	-1.7 %	n/a	-	40,125	5.0 %
1983	495	-19.8 %	7,273	-2.0 %	634	3.6 %	14,600	5.8 %	12,942	-1.2 %	4,267	8.1 %	737	17.0 %	n/a	-	40,948	2.1 %
1984	393	-20.6 %	7,346	1.0 %	661	4.2 %	14,933	2.3 %	13,951	7.8 %	4,073	-4.6 %	706	-4.1 %	n/a	-	42,064	2.7 %
1985	460	17.2 %	8,293	12.9 %	677	2.4 %	14,956	0.2 %	14,102	1.1 %	4,354	6.9 %	620	-12.3 %	n/a	-	43,462	3.3 %
1986	404	-12.1 %	11,520	38.9 %	555	-18.0 %	14,913	-0.3 %	15,861	12.5 %	4,537	4.2 %	649	4.7 %	n/a	-	48,440	11.5 %
1987	390	-3.6 %	11,350	-1.5 %	613	10.5 %	14,743	-1.1 %	17,614	11.1 %	4,669	2.9 %	492	-24.2 %	n/a	-	49,871	3.0 %
1988	376	-3.6 %	12,424	9.5 %	856	39.5 %	15,785	7.1 %	16,988	-3.6 %	4,884	4.6 %	946	92.3 %	n/a	-	52,259	4.8 %
1989	395	5.1 %	12,869	3.6 %	941	9.9 %	16,929	7.2 %	16,864	-0.7 %	5,048	3.3 %	1,272	34.5 %	n/a	-	54,318	3.9 %
1990	450	14.1 %	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	-	56,388	3.8 %
1991	560	24.3 %	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	-34.4 %	10,146	-22.3 %	883	-2.6 %	16,876	-2.8 %	14,757	-5.9 %	4,993	-1.9 %	1,727	4.7 %	n/a	-	49,750	-8.4 %
1993	425	15.8 %	8,304	-18.2 %	942	6.7 %	14,995	-11.1 %	13,635	-7.6 %	4,732	-5.2 %	1,533	-11.3 %	1,317	-	45,882	-7.8 %
1994	411	-3.4 %	7,792	-6.2 %	915	-2.8 %	14,233	-5.1 %	13,255	-2.8 %	4,333	-8.4 %	974	-36.5 %	1,195	-9.3 %	43,107	-6.0 %
Average 1980 - 94		0.1 %		3.3 %		7.6 %		1.6 %		0.5 %		3.5 %		7.5 %		-		1.8 %

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.3

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/a	-	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	2	9,967	36	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	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	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	3,780	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	79,382 r	195	5,409	13	9,339	23
1994	483	1	8,049	18	848	2	13,458	33	11,476	31	2,974	10	1,097	2	993	3	39,377	100	71,700	182	5,767	15	9,726	25

r Revised

Sources: EU: Industrial Associations / DGIII Annual Survey
USA: AIA; CANADA: Industry Canada; JAPAN: SJAC

TABLE 10.4

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	486		4,576		376		9,569		11,063		2,332		560		n/a		28,963		61,489		2,578		2,902	
1981	629	29.3 %	5,351	16.9 %	490	30.3 %	10,691	11.7 %	11,266	1.8 %	3,089	32.5 %	634	13.3 %	n/a	-	32,150	11.0 %	64,883	5.5 %	2,940	14.0 %	2,885	-0.6 %
1982	611	-2.8 %	6,000	12.1 %	609	24.1 %	11,222	5.0 %	11,317	0.5 %	3,378	9.4 %	622	-2.0 %	n/a	-	33,759	5.0 %	65,458	0.9 %	2,694	-8.4 %	4,247	47.2 %
1983	488	-20.2 %	5,775	-3.7 %	632	3.8 %	12,007	7.0 %	11,494	1.6 %	3,561	5.4 %	725	16.7 %	n/a	-	34,682	2.7 %	68,708	5.0 %	2,394	-11.1 %	4,171	-1.8 %
1984	389	-20.3 %	5,893	2.0 %	645	2.1 %	12,690	5.7 %	12,309	7.1 %	3,433	-3.6 %	694	-4.3 %	n/a	-	36,053	4.0 %	68,532	-0.3 %	2,997	25.2 %	4,508	8.1 %
1985	459	17.9 %	6,762	14.7 %	653	1.3 %	12,844	1.2 %	12,492	1.5 %	3,702	7.8 %	620	-10.8 %	n/a	-	37,531	4.1 %	78,552	14.6 %	3,654	21.9 %	5,472	21.4 %
1986	403	-12.2 %	9,306	37.6 %	529	-18.9 %	12,420	-3.3 %	14,117	13.0 %	3,781	2.1 %	649	4.7 %	n/a	-	41,204	9.8 %	82,738	5.3 %	4,198	14.9 %	5,087	-7.0 %
1987	387	-3.9 %	9,337	0.3 %	518	-2.1 %	12,252	-1.4 %	15,443	9.4 %	3,874	2.5 %	492	-24.2 %	n/a	-	42,303	2.7 %	83,993	1.5 %	4,669	11.2 %	5,574	9.6 %
1988	374	-3.4 %	10,122	8.4 %	803	55.0 %	13,113	7.0 %	14,797	-4.2 %	4,053	4.6 %	946	92.3 %	n/a	-	44,208	4.5 %	83,227	-0.9 %	5,009	7.3 %	5,631	1.0 %
1989	394	5.5 %	10,742	6.1 %	921	14.6 %	14,285	8.9 %	14,527	-1.8 %	4,195	3.5 %	1,272	34.5 %	n/a	-	46,337	4.8 %	84,424	1.4 %	5,489	9.6 %	6,332	12.4 %
1990	450	14.2 %	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	-	48,515	4.7 %	90,591	7.3 %	5,780	5.3 %	6,560	3.6 %
1991	559	24.1 %	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	6.6 %	6,879	4.9 %
1992	364	-34.9 %	8,542	-23.2 %	867	-2.2 %	14,517	-1.6 %	12,819	-8.3 %	3,764	3.4 %	1,727	4.7 %	n/a	-	42,600	-8.6 %	82,390	-6.8 %	5,970	-3.1 %	7,247	5.3 %
1993	424	16.5 %	7,127	-16.6 %	930	7.3 %	12,370	-14.8 %	11,818	-7.8 %	3,560	-5.4 %	1,515	-12.3 %	1,222	-	38,966	-8.5 %	71,851	-12.8 %	5,609	-6.0 %	7,137	-1.5 %
1994	410	-3.3 %	6,744	-5.4 %	906	-2.6 %	11,963	-3.3 %	11,547	-2.3 %	3,290	-7.6 %	959	-36.7 %	1,133	-7.3 %	36,952	-5.2 %	64,563	-10.1 %	6,394	14.0 %	6,915	-3.1 %
Average 1980 - 94		0.5 %		3.8 %		7.9 %		1.8 %		0.5 %		3.0 %		7.4 %		-		1.9 %		0.6 %		7.2 %		7.1 %

 Sources: EU: Industrial Associations / DGIII Annual Survey
 USA: AIA; CANADA: Industry Canada; JAPAN: SJAC

TABLE 10.5

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	8	365	2	n/a	-	14,884	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	-	18,057	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	-	20,115	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	-	21,137	100	72,021	341	2,353	11	2,914	14
1984	205	1	3,009	17	376	2	9,082	36	8,561	33	1,744	10	528	2	n/a	-	23,504	100	84,171	358	3,264	14	3,642	15
1985	260	1	3,863	19	403	2	10,278	34	9,382	32	1,830	10	533	1	n/a	-	26,550	100	103,325	389	3,998	15	4,652	18
1986	227	1	6,224	24	342	1	10,264	31	9,550	33	1,977	9	584	1	n/a	-	29,168	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	-	30,883	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	-	33,392	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	-	37,846	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	-	40,459	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	-	39,989	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	-	38,785	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	35,845	100	79,382 r	221	5,409	15	9,339	26
1994	330	1	6,928	18	554	2	12,514	33	10,371	31	2,221	10	1,038	2	972	3	34,928	100	71,700	205	5,767	17	9,726	28

r Revised

Sources: EU: Industrial Associations / DGIII Annual Survey
USA: AIA; CANADA: Industry Canada; JAPAN: SJAC

TABLE 10.6

FINAL AEROSPACE TURNOVER CONSOLIDATED AT COMMUNITY LEVEL

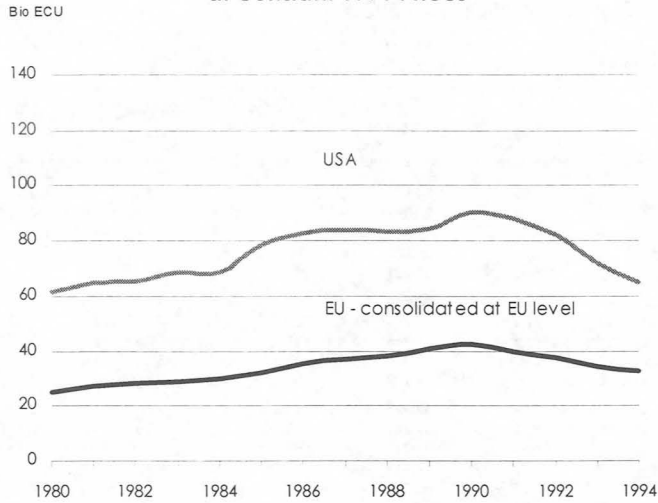
In Constant 1991 Prices

	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	400		3,175		327		8,683		10,016		1,723		552		n/a		24,875		61,489		2,578		2,902	
1981	516	29.2 %	3,534	11.3 %	440	34.5 %	9,674	11.4 %	9,734	-2.8 %	2,646	53.6 %	537	-2.7 %	n/a	-	27,082	8.9 %	64,883	5.5 %	2,940	14.0 %	2,885	-0.6 %
1982	505	-2.1 %	4,059	14.8 %	574	30.5 %	10,267	6.1 %	9,527	-2.1 %	2,938	11.0 %	522	-2.8 %	n/a	-	28,391	4.8 %	65,458	0.9 %	2,694	-8.4 %	4,247	47.2 %
1983	390	-22.8 %	3,853	-5.1 %	612	6.7 %	10,721	4.4 %	9,709	1.9 %	2,723	-7.3 %	632	21.1 %	n/a	-	28,640	0.9 %	68,708	5.0 %	2,394	-11.1 %	4,171	-1.8 %
1984	280	-28.1 %	3,929	2.0 %	610	-0.3 %	11,562	7.8 %	10,654	9.7 %	2,568	-5.7 %	627	-0.6 %	n/a	-	30,231	5.6 %	68,532	-0.3 %	2,997	25.2 %	4,508	8.1 %
1985	331	18.2 %	4,910	25.0 %	620	1.5 %	12,244	5.9 %	10,994	3.2 %	2,595	1.1 %	620	-1.2 %	n/a	-	32,314	6.9 %	78,552	14.6 %	3,654	21.9 %	5,472	21.4 %
1986	272	-17.9 %	7,332	49.3 %	504	-18.7 %	11,624	-5.1 %	12,362	12.4 %	2,622	1.0 %	648	4.6 %	n/a	-	35,365	9.4 %	82,738	5.3 %	4,198	14.9 %	5,087	-7.0 %
1987	257	-5.4 %	7,706	5.1 %	492	-2.3 %	11,453	-1.5 %	13,907	12.5 %	2,678	2.1 %	470	-27.5 %	n/a	-	36,963	4.5 %	83,993	1.5 %	4,669	11.2 %	5,574	9.6 %
1988	281	9.1 %	8,147	5.7 %	768	56.1 %	11,883	3.8 %	13,076	-6.0 %	2,787	4.1 %	922	96.2 %	n/a	-	37,864	2.4 %	83,227	-0.9 %	5,009	7.3 %	5,631	1.0 %
1989	243	-13.6 %	8,894	9.2 %	883	14.9 %	13,832	16.4 %	13,107	0.2 %	2,920	4.8 %	1,228	33.1 %	n/a	-	41,107	8.6 %	84,424	1.4 %	5,489	9.6 %	6,332	12.4 %
1990	252	3.9 %	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	-	42,525	3.5 %	90,591	7.3 %	5,780	5.3 %	6,560	3.6 %
1991	351	39.3 %	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	6.6 %	6,879	4.9 %
1992	225	-36.1 %	7,205	-21.0 %	798	-1.9 %	13,424	-0.9 %	11,580	-2.3 %	2,800	3.5 %	1,685	5.1 %	n/a	-	37,716	-5.7 %	82,390	-6.8 %	5,970	-3.1 %	7,247	5.3 %
1993	274	22.0 %	5,936	-17.6 %	610	-23.5 %	11,438	-14.8 %	10,775	-7.0 %	2,646	-5.5 %	1,488	-11.7 %	1,182	-	34,349	-8.9 %	71,851	-12.8 %	5,609	-6.0 %	7,137	-1.5 %
1994	281	2.4 %	5,804	-2.2 %	592	-2.9 %	11,123	-2.8 %	10,435	-3.2 %	2,457	-7.1 %	908	-39.0 %	1,110	-6.1 %	32,710	-4.8 %	64,563	-10.1 %	6,394	14.0 %	6,915	-3.1 %
Average 1980 - 94		-0.1 %		5.7 %		6.3 %		2.1 %		0.6 %		3.5 %		7.4 %		-		2.1 %		0.6 %		7.2 %		7.1 %

 Sources: EU: Industrial Associations / DGIII Annual Survey
 USA: AIA; CANADA: Industry Canada; JAPAN: SJAC

CHART 10.3

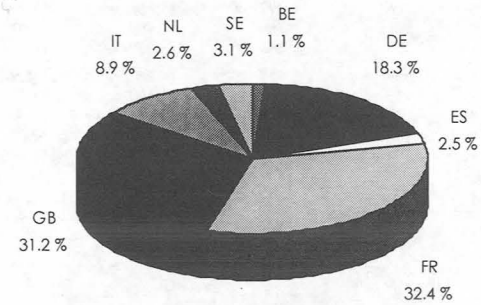
**EU and USA Aerospace Turnover
at Constant 1991 Prices**



Source: Industrial Associations / DGIII Annual Survey

CHART 10.4

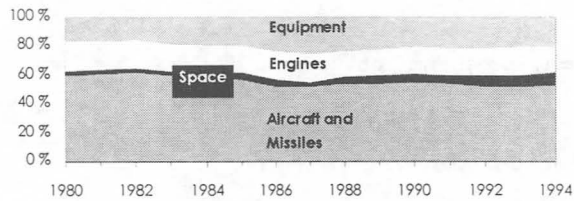
**EU Turnover Breakdown by Country
1994 Current Prices
Consolidated at National Level**



Source: Industrial Associations / DGIII Annual Survey

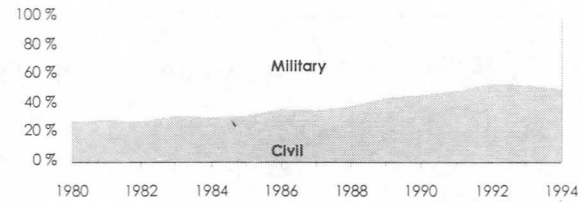
CHART 10.5

EU Turnover Breakdown by Sector
Consolidated at EU level



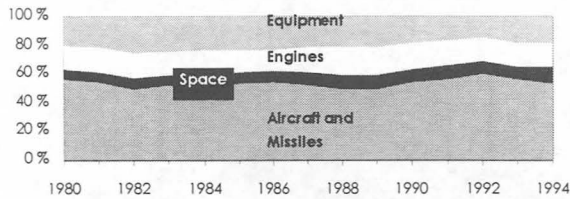
(a)

EU Turnover Breakdown by Destination
Consolidated at EU level



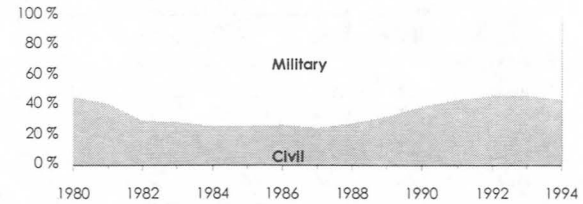
(b)

USA Turnover Breakdown by Sector



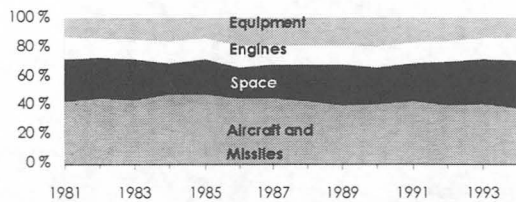
(c)

USA Turnover Breakdown by Destination



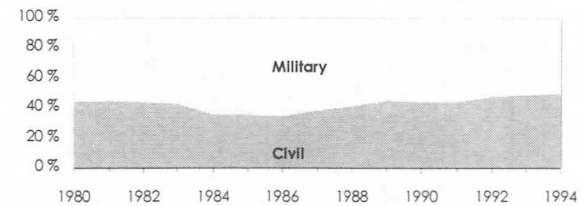
(d)

Japan Turnover Breakdown by Sector



(e)

Japan Turnover Breakdown by Destination



(f)

TABLE 10.7

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	54.4 %	3.7 %	17.3 %	24.6 %	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 %	31.8 %	68.2 %	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 % r	17.4 % r	25.0 % r	47.3 %	52.7 %	55.3 %	5.9 %	18.2 %	20.7 %	46.6 %	53.4 %
1991	47.7 %	8.4 % r	16.8 % r	27.0 % r	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 %	21.1 %	53.0 %	47.0 %
1994	47.2 %	9.9 %	16.8 %	26.1 %	51.9 %	48.1 %	52.8 %	8.5 %	17.9 %	20.8 %	50.8 %	49.2 %

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.8

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 %	43.7 %	56.3 %	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 r	55.9 %	8.9 %	16.4 %	18.8 %	46.7 %	53.3 %	41.1 %	30.6 %	14.6 %	13.7 %	48.5 %	51.5 %
1994	53.3 %	12.1 %	15.8 %	18.8 %	43.9 %	56.1 %	38.2 %	32.7 %	15.3 %	13.8 %	49.1 %	50.9 %

r Revised

Sources: USA : AIA; JAPAN: SJAC

TABLE 10.9

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 ¹	EU Commercial Market ²	Exports ³
	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	51,160	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	15,031	18,957	13,885
1994	4,178	2,958	6,376	13,512	6,525	4,449	4,968	15,943	2,257	5,990	8,201	16,447	45,902	14,983	17,751	13,169

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 10.10

BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

In % of Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market ¹	EU Commercial Market ²	Exports ³
	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 %	37.8 %	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	9.1 %	6.4 %	13.9 %	29.4 %	14.2 %	9.7 %	10.8 %	34.7 %	4.9 %	13.0 %	17.9 %	35.8 %	100.0 %	32.6 %	38.7 %	28.7 %

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 10.11

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 ¹	EU Commercial Market ²	Exports ³
	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	1,041	66	962	2,069	3,568	2,570	3,493	9,631	2,257	4,519	5,608	12,384	24,084	2,069	12,914	9,101

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

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.12

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 ¹	EU Commercial Market ²	Exports ³
	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	2.3 %	0.1 %	2.1 %	4.5 %	7.8 %	5.6 %	7.6 %	21.0 %	4.9 %	9.8 %	12.2 %	27.0 %	52.5 %	4.5 %	28.1 %	19.8 %

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

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.13

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 ¹	EU Commercial Market ²	Exports ³
	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	7,466	-	1,504	5,003 r	6,507 r	26,612 r	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 r	5,021 r	23,293 r	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	3,137	2,893	5,414	11,443	2,957	1,879	1,475	6,312	-	1,470	2,592	4,063	21,818	12,914	4,836	4,068

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 10.14

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 ¹	EU Commercial Market ²	Exports ³
	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	6.8 %	6.3 %	11.8 %	24.9 %	6.4 %	4.1 %	3.2 %	13.8 %	-	3.2 %	5.6 %	8.9 %	47.5 %	28.1 %	10.5 %	8.9 %

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

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.15

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 ¹	EU Commercial Market ²	Exports ³
	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	12,546	24,476	7,990	6,597	9,889
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	1,870	1,721	3,183	6,774	1,810	1,354	1,742	4,906	688	4,648	4,738	10,075	21,754	7,724	7,549	6,481

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 10.16

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 ¹	EU Commercial Market ²	Exports ³
	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	4.1 %	3.7 %	6.9 %	14.8 %	3.9 %	2.9 %	3.8 %	10.7 %	1.5 %	10.1 %	10.3 %	21.9 %	47.4 %	16.8 %	16.4 %	14.1 %

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

Source: Industrial Associations / DGIII Annual Survey

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

3) Exports = Manufacturers and Final Users of Third Countries

TABLE 10.17

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 ¹⁾	EU Commercial Market ²⁾	Exports ³⁾
	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 r	30	235	556 r	434	393 r	68	896 r	234	169	77	481	1,933 r	556 r	1,231 r	146
1988	402 r	26	374	803 r	308	507 r	34 r	848 r	334	311	154	799	2,449 r	865 r	1,396 r	188 r
1989	605	17	441	1,063	436 r	564 r	118 r	1,118 r	294	187	473	954	3,135 r	1,168	1,377 r	590
1990	877 r	10	771 r	1,658 r	760 r	1,200 r	244 r	2,205 r	333 r	101 r	75	509 r	4,372 r	1,663 r	2,389 r	320 r
1991	1,438 r	48	333 r	1,819 r	999 r	937 r	83 r	2,018 r	308 r	226 r	201 r	736 r	4,573 r	1,823 r	2,466 r	284 r
1992	1,501	19	348	1,868	473 r	1,229 r	77	1,779 r	656	558	120	1,334	4,981 r	1,868	2,916 r	197 r
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

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 10.18

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 ¹	EU Commercial Market ²	Exports ³
	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 % r	1.2 %
1990	1.6 % r	0.0 %	1.4 % r	3.1 % r	1.4 % r	2.2 %	0.5 % r	4.1 % r	0.6 %	0.2 %	0.1 %	0.9 %	8.2 % r	3.1 % r	4.5 % r	0.6 % r
1991	2.6 % r	0.1 %	0.6 % r	3.4 % r	1.8 % r	1.7 % r	0.2 % r	3.7 % r	0.6 %	0.4 %	0.4 % r	1.4 % r	8.4 % r	3.4 % r	4.5 % r	0.5 % r
1992	2.9 %	0.0 %	0.7 %	3.7 %	0.9 %	2.4 %	0.2 % r	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 %	1.7 %	3.7 %	1.7 %	1.8 %	0.4 %	3.9 %	1.3 %	0.7 %	0.6 %	2.6 %	10.2 %	3.7 %	5.6 %	0.9 %

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 10.19

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 ¹	EU Commercial Market ²	Exports ³
	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	2,496	3,275	8,731	2,062	2,476	4,193
1990	466 r	358	833 r	1,657 r	1,100 r	888	2,089 r	4,077 r	623	301	2,666	3,590	9,325 r	1,860 r	2,710 r	4,755 r
1991	857 r	389	475	1,721 r	921 r	875	2,002	3,797 r	649	617	2,361 r	3,626 r	9,144 r	2,143 r	2,639 r	4,362 r
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	1,649	2,296	4,194
1994	511	350	650	1,511	683	737	1,785	3,204	339	417	2,064	2,820	7,535	1,599	1,930	3,849

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 10.20

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 ¹	EU Commercial Market ²	Exports ³
	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 % r	0.7 %	1.6 %	3.1 % r	2.1 % r	1.7 %	3.9 %	7.6 % r	1.2 %	0.6 %	5.0 %	6.7 %	17.4 % r	3.5 % r	5.1 % r	8.9 %
1991	1.6 % r	0.7 %	0.9 %	3.2 % r	1.7 % r	1.6 %	3.7 %	7.0 % r	1.2 %	1.1 %	4.3 % r	6.7 %	16.8 % r	3.9 % r	4.9 % r	8.0 % r
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	1.1 %	0.8 %	1.4 %	3.3 %	1.5 %	1.6 %	3.9 %	7.0 %	0.7 %	0.9 %	4.5 %	6.1 %	16.4 %	3.8 %	4.2 %	8.4 %

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 10.21

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 ¹⁾	EU Commercial Market ²⁾	Exports ³⁾
	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 r	667	2,610	4,472 r	3,605	1,333 r	952	5,890 r	539	457	1,410	2,406	12,768 r	4,677 r	5,729 r	2,362
1988	1,011 r	708	2,954	4,673 r	3,796	1,459 r	834 r	6,089 r	668	315	1,458	2,441	13,203 r	4,856 r	6,055 r	2,292 r
1989	849	781	2,643	4,273	3,821 r	1,410 r	811	6,042 r	929	503	1,865	3,297	13,611 r	4,518	6,418 r	2,675
1990	1,105 r	915	2,122 r	4,142 r	3,842 r	1,219 r	940 r	6,001 r	752 r	638 r	1,880 r	3,271 r	13,414 r	4,384 r	6,210 r	2,820 r
1991	1,156 r	1,039	2,047 r	4,242 r	4,349 r	1,752 r	1,103 r	7,204 r	767 r	771 r	1,702 r	3,240 r	14,686 r	4,530 r	7,352 r	2,804 r
1992	1,049	989	1,953	3,990	3,883 r	1,544 r	1,337	6,763 r	687	696	1,564	2,946	13,700 r	4,256	6,509 r	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	3,875	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	3,684	5,721	2,409

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 10.22

BREAKDOWN OF EU OVERALL AEROSPACE TURNOVER

Equipment Sector in % of Grand Totals

	National State				Aerospace Manufacturers				Final Users				Total A+B+C	EU Public Market ¹	EU Commercial Market ²	Exports ³
	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	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 % r	8.2 %	3.2 %	1.8 %	13.2 %	1.5 %	0.7 %	3.2 %	5.3 %	28.7 %	10.5 % r	13.2 %	5.0 %
1989	1.7 %	1.6 %	5.3 %	8.6 %	7.6 % r	2.8 %	1.6 %	12.1 %	1.9 %	1.0 %	3.7 %	6.6 %	27.2 % r	9.0 %	12.8 % r	5.4 %
1990	2.1 %	1.7 %	4.0 %	7.7 % r	7.2 % r	2.3 %	1.8 %	11.2 % r	1.4 %	1.2 %	3.5 %	6.1 %	25.0 % r	8.2 % r	11.6 % r	5.3 %
1991	2.1 % r	1.9 %	3.8 % r	7.8 % r	8.0 % r	3.2 % r	2.0 % r	13.3 % r	1.4 %	1.4 %	3.1 % r	6.0 %	27.0 % r	8.3 % r	13.5 % r	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 %	7.7 %	7.1 %	3.3 %	2.8 %	13.2 %	1.4 %	1.3 %	2.5 %	5.1 %	26.0 %	8.3 %	12.5 %	5.2 %

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 10.23

INTRA-EUROPEAN CO-OPERATION LEVEL

**Proportion of Turnover Exported to Aerospace Companies¹
located in other EU Member States
in % of overall Non-consolidated Turnover**

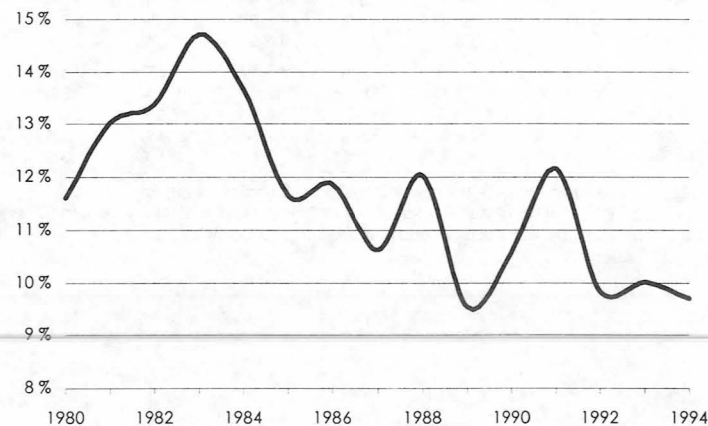
	BE	DE	ES	FR	GB	IT	NL	SE	EU
1980	17.1 %	24.7 %	13.1 %	7.6 %	8.2 %	21.8 %	1.5 %	n/a	11.6 %
1981	17.8 %	27.4 %	10.3 %	7.8 %	11.6 %	12.5 %	15.2 %	n/a	13.0 %
1982	17.1 %	26.2 %	5.6 %	6.9 %	13.7 %	11.2 %	15.9 %	n/a	13.4 %
1983	19.8 %	26.4 %	3.0 %	8.8 %	13.8 %	19.6 %	12.7 %	n/a	14.7 %
1984	27.6 %	26.7 %	5.2 %	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 %	12.1 %	34.2 %	5.9 %	8.4 %	19.2 %	5.3 %	1.9 %	9.7 %

1) Not including consortia (Airbus, ATR, etc.) who are considered final users

Source: Industrial Associations / DGIII Annual Survey

CHART 10.6

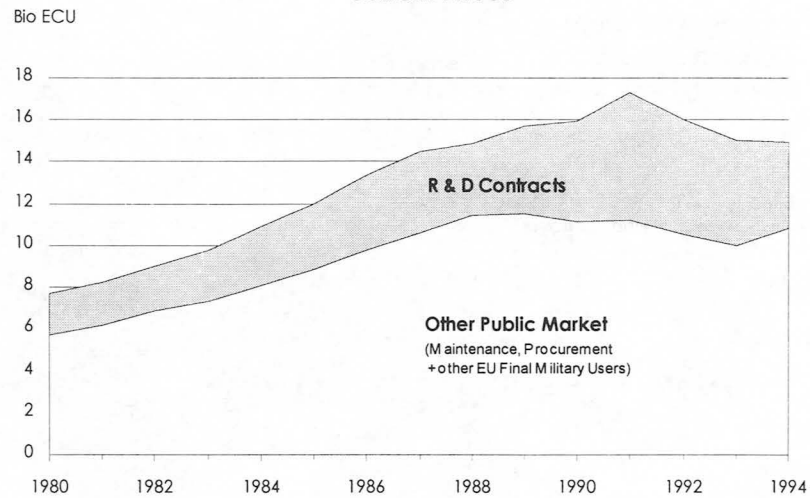
**Exports to other EU Aerospace Companies
in % of overall Non-consolidated Turnover**



Source: Industrial Associations / DGIII Annual Survey

CHART 10.7

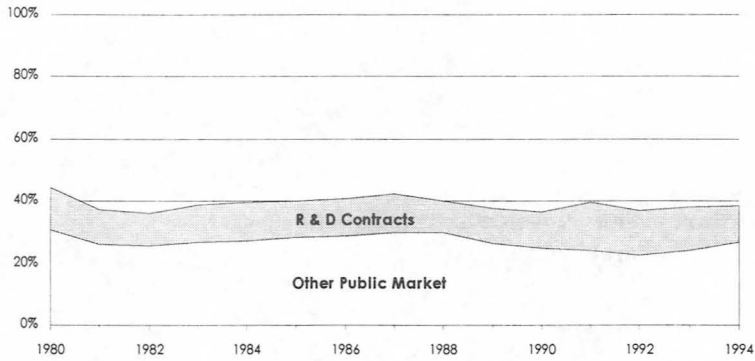
**Public Support for the EU Aerospace Industry
Current Prices**



Source: Industrial Associations / DGIII Annual Survey

CHART 10.8

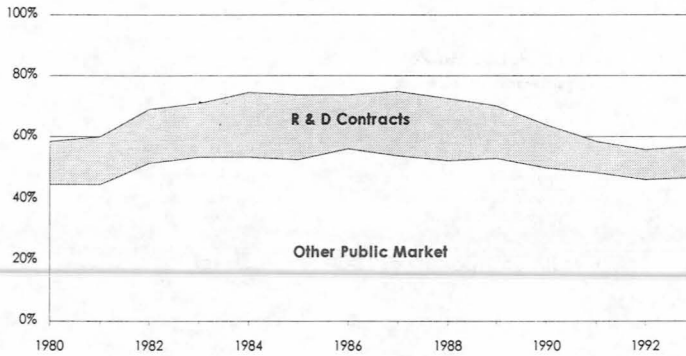
Public Support for the EU Aerospace Industry
in % of Final Turnover
Consolidated at EU Level



Source: Industrial Associations / DGIII Annual Survey

CHART 10.9

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



Source: AIA

TABLE 10.24

PUBLIC SUPPORT FOR THE EU AND USA AEROSPACE INDUSTRY

Breakdown by Contract Type in Current Prices

	EU								USA					
	R&D Contracts		Other Public Market ¹		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 at National Level	% of Final Turnover Consolidated 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 r	28 % r	40,599 r	72 % r	56,161	73 %
1989	4,256	27 %	11,482	73 %	15,738	32 %	37 %	42 %	15,275 r	25 % r	46,773 r	75 % r	62,048	70 %
1990	4,793	30 %	11,155	70 %	15,949	30 %	35 %	39 %	11,974 r	22 % r	42,478 r	78 % r	54,452	64 %
1991	6,106	35 %	11,219	65 %	17,324	32 %	37 %	43 %	8,954	17 %	42,838	83 %	51,792	59 %
1992	5,552	35 %	10,503	65 %	16,055	31 %	37 %	41 %	7,925 r	18 % r	37,132 r	82 % r	45,057	56 %
1993	5,074	34 %	9,957	66 %	15,031	31 %	37 %	42 %	8,001	18 %	37,313 r	82 % r	45,313	57 %
1994	4,178	28 %	10,804	72 %	14,983	33 %	38 %	43 %	n/a	-	43,281	-	-	-

1) National Government Financed Maintenance and Procurement + Other EU Final Military Users
r Revised

Sources: EU: Industrial Associations / DGIII Annual Survey; USA: AIA

TABLE 10.25

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	Public Military Market	Other EU Final Military Users	Total	R&D Contracts	Other National Civil	Public Military Market	Other EU Final Military Users	Total	R&D Contracts	Other National Civil	Public Military Market	Other EU Final Military Users	Total	R&D Contracts	Other National Civil	Public Military Market	Other EU Final Military Users	Total
		Market	Market	Market			Market	Market	Market			Market	Market	Market			Market	Market	Market	
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 r	174	91	0	556 r	390	240	1,121	830	2,581	1,195 r	459	2,817	205	4,677 r
1988	1,694	162	4,377	432	6,665	402 r	292	108	63	865 r	338	270	1,114	749	2,472	1,011 r	452	3,210	182	4,856 r
1989	2,418	227	4,404	941	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 r	674 r	108 r	5 r	1,663 r	466 r	29 r	1,162	203	1,860 r	1,105 r	513 r	2,524 r	242 r	4,384 r
1991	2,654	562	4,822	791	8,829	1,438 r	310 r	71 r	4	1,823 r	857 r	22	841	422	2,143 r	1,156 r	334 r	2,752 r	287	4,530 r
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	1,870	231	4,673	950	7,724	883	640	176	0	1,699	511	1	999	246	1,757	914	155	2,459	274	3,802

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 10.26

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	Public Military Market	Other EU Final Military Users	In % of Grand Total	R&D Contracts	Other National Civil Market	Public Military Market	Other EU Final Military Users	In % of Grand Total	R&D Contracts	Other National Civil Market	Public Military Market	Other EU Final Military Users	In % of Grand Total	R&D Contracts	Other National Civil Market	Public 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 % r	31.3 % r	16.3 % r	0.0 %	3.8 % r	15.1 %	9.3 %	43.4 %	32.1 %	17.8 %	25.5 % r	9.8 %	60.2 %	4.4 %	32.2 %
1988	25.4 %	2.4 %	65.7 %	6.5 %	44.9 %	46.5 % r	33.8 % r	12.5 % r	7.2 % r	5.8 %	13.7 %	10.9 %	45.1 %	30.3 %	16.6 %	20.8 % r	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 % r	40.5 % r	6.5 % r	0.3 % r	10.4 % r	25.1 % r	1.6 %	62.5 % r	10.9 % r	11.7 % r	25.2 % r	11.7 % r	57.6 % r	5.5 % r	27.5 % r
1991	30.1 %	6.4 %	54.6 %	9.0 %	51.0 %	78.9 % r	17.0 % r	3.9 % r	0.2 % r	10.5 % r	40.0 % r	1.0 % r	39.3 % r	19.7 % r	12.4 % r	25.5 % r	7.4 % r	60.8 % r	6.3 % r	26.1 % r
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	24.2 %	3.0 %	60.5 %	12.3 %	51.6 %	52.0 %	37.7 %	10.3 %	0.0 %	11.3 %	29.1 %	0.0 %	56.9 %	14.0 %	11.7 %	24.0 %	4.1 %	64.7 %	7.2 %	25.4 %

r Revised

Source: Industrial Associations / DGIII Annual Survey

Chapter 11

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*. Data for USA are from AIA's "*Aerospace Facts & Figures*".

Note

The Eurostaf / Aerospatiale study includes, for some companies, figures that due to accounting practices are not attributable to specific sectors of the company activities. This is notably the case for France (where certain activities in electronics and informatics are included, corresponding to about 10 % of the total turnover in 1993), Sweden (where activities in the car industry account for about 73 % of the 1993 total turnover), and the United Kingdom (activities in the car industry and in civil engineering, about 34 % of 1993 turnover).

Furthermore, this study is based on a representative selection of companies, whereas the study presented in chapter 10 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.

These facts render comparison between chapter 10 and 11 impossible, and the inclusion of complete company portfolios affects to some degree the aggregation of European figures, which is presented in table 11.1.

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

<i>France</i>	Aerospatiale, Dassault Aviation, Matra, Snecma, Thomson-CSF
<i>Germany</i>	Daimler-Benz Aerospace Deutsche Airbus, Dornier, MBB, MTU
<i>Italy</i>	Aeritalia, Agusta, Alenia, Finmeccanica Selenia
<i>Netherlands</i>	Fokker
<i>Spain</i>	CASA
<i>Sweden</i>	Saab-Scania, Volvo Flygmotor
<i>United Kingdom</i>	British Aerospace, Rolls-Royce, 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&D, of which industry-funded R&D</i>	
<i>operating investments</i>	
<i>number of employees</i>	

The ratios are defined as follows:

<i>apparent labor 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

TABLE 11.1

FINANCE - EU¹
Million ECU at Current Prices

Year	1983 ²	1984 ³	1985 ³	1986 ³	1987 ³	1988 ³	1989 ³	1990 ³	1991 ³	1992 ³	1993 ³
Turnover	18,157	29,647	34,401	36,092	37,471	42,982	50,252	52,706	54,738	59,016	57,839
Value Added (gross)	7,860	12,478	14,788	14,792	14,886	16,503	17,935	20,069	20,643	23,309	21,416
Wage Costs	6,279	8,999	10,959	11,524	11,875	12,728	13,599	15,342	16,390	17,732	17,433
Trading Income	1,580	3,479	3,829	3,268	3,011	3,775	4,336	4,727	4,253	5,577	3,983
Net Income	-139	583	754	919	544	1,235	2,285	942	262	-1,707	-1,356
Equity	4,052	6,885	8,651	10,301	11,130	14,959	17,581	17,862	18,399	16,836	15,452
Long and Medium Term Debt	4,751	8,094	9,897	9,944	9,260	10,493	12,485	13,533	15,666	18,807	19,143
Total Permanent Liabilities	8,804	12,669	15,862	16,868	17,018	25,451	30,066	31,395	34,061	35,643	34,595
Permanent Assets	4,011	7,370	8,943	10,435	11,853	15,789	20,127	21,405	23,438	28,230	28,116
R&D Industry Funded	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-
Operating Investments	727	1,383	1,969	2,051	2,196	2,614	3,765	3,446	3,419	3,061	2,510
Number of Employees	291,173	378,657	423,074	437,707	435,091	467,785	468,557	484,970	474,530	477,713	464,765
Ratios											
Year	1983	1984 ³	1985 ³	1986 ³	1987 ³	1988 ³	1989 ³	1990 ³	1991 ³	1992 ³	1993 ³
Apparent Labor Productivity											
Value Added on Wage Costs	125.2 %	138.7 %	134.9 %	128.4 %	125.4 %	129.7 %	131.9 %	130.8 %	126.0 %	131.5 %	122.8 %
Value Added per Worker (Thousand ECU)	27.0	33.0	35.0	33.8	34.2	35.3	38.3	41.4	43.5	48.8	46.1
Research effort											
Industry Funded R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-
Total R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-
Operating Investments on Value Added	9.3 %	11.1 %	13.3 %	13.9 %	14.8 %	15.8 %	21.0 %	17.2 %	16.6 %	13.1 %	11.7 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	54.0 %	63.9 %	62.4 %	59.0 %	54.4 %	41.2 %	41.5 %	43.1 %	46.0 %	52.8 %	55.3 %
Profitability											
Trading Income on Value Added	20.1 %	27.9 %	25.9 %	22.1 %	20.2 %	22.9 %	24.2 %	23.6 %	20.6 %	23.9 %	18.6 %
Net Income on Value Added	-1.8 %	4.7 %	5.1 %	6.2 %	3.7 %	7.5 %	12.7 %	4.7 %	1.3 %	-7.3 %	-6.3 %
Net Income on Equity	-3.4 %	8.5 %	8.7 %	8.9 %	4.9 %	8.3 %	13.0 %	5.3 %	1.4 %	-10.1 %	-8.8 %
Net Income on Permanent Assets	-3.5 %	7.9 %	8.4 %	8.8 %	4.6 %	7.8 %	11.4 %	4.4 %	1.1 %	-6.0 %	-4.8 %

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

Source: Eurostat / Aérospatiale

2) Minor adjustments compared to previous edition due to rounding

3) Changes from previous edition due to inclusion of Sweden as of 1984

TABLE 11.2

FINANCE - USA

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	-	112,456	138,714	113,371	96,147	95,430	107,377	104,930	109,083	103,551	109,864
Value Added (gross)	-	40,312	45,669	39,177	35,551	35,783	39,600	36,540	37,514	34,262	35,795
Wage Costs	-	30,131	35,053	30,021	26,941	27,540	31,001	27,949	27,857	25,523	25,984
Trading Income	-	10,181	10,616	9,156	8,610	8,243	8,599	8,591	9,657	8,740	9,811
Net Income	-	4,612	4,290	3,143	3,969	4,129	3,509	3,524	2,005	-1,414	3,946
Equity	-	33,736	38,915	33,422	27,453	28,642	33,508	31,330	32,490	26,546	31,111
Long and Medium Term Debt	-	11,559	18,168	16,883	14,433	15,888	21,124	22,555	23,245	28,933	34,975
Total Permanent Liabilities	-	45,295	57,083	50,305	41,887	44,530	54,632	53,885	55,735	55,480	66,086
Permanent Assets	-	32,963	45,361	40,491	33,696	34,524	43,169	42,689	44,036	43,785	53,991
R&D Industry Funded	-	6,038	7,403	6,163	5,145	5,093	5,451	4,822	5,316	5,470	6,234
Total	-	23,901	29,132	21,388	21,187	21,903	23,271	19,912	17,505	20,646	23,911
Operating Investments	-	4,601	4,600	3,922	3,119	2,951	3,785	3,157	3,268	3,359	2,758
Number of Employees	-	817,000	898,000	948,000	968,000	977,000	992,000	946,000	879,000	775,000	677,000
Ratios											
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
Value Added on Wage Costs	-	133.8 %	130.3 %	130.5 %	132.0 %	129.9 %	127.7 %	130.7 %	134.7 %	134.2 %	137.8 %
Value Added per Worker (Thousand ECU)	-	49.3	50.9	41.3	36.7	36.6	39.9	38.6	42.7	44.2	52.9
Research effort											
Industry Funded R&D on Turnover	-	5.4 %	5.3 %	5.4 %	5.4 %	5.3 %	5.1 %	4.6 %	4.9 %	5.3 %	5.7 %
Total R&D on Turnover	-	21.3 %	21.0 %	18.9 %	22.0 %	23.0 %	21.7 %	19.0 %	16.0 %	19.9 %	21.8 %
Operating Investments on Value Added	-	11.4 %	10.1 %	10.0 %	-	8.2 %	9.6 %	8.6 %	8.7 %	9.8 %	7.7 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	-	25.5 %	31.8 %	33.6 %	34.5 %	35.7 %	38.7 %	41.9 %	41.7 %	52.2 %	52.9 %
Profitability											
Trading Income on Value Added	-	25.3 %	23.2 %	23.4 %	24.2 %	23.0 %	21.7 %	23.5 %	25.7 %	25.5 %	27.4 %
Net Income on Value Added	-	11.4 %	9.4 %	8.0 %	11.2 %	11.5 %	8.9 %	9.6 %	5.3 %	-4.1 %	11.0 %
Net Income on Equity	-	13.7 %	11.0 %	9.4 %	14.5 %	14.4 %	10.5 %	11.2 %	6.2 %	-5.3 %	12.7 %
Net Income on Permanent Assets	-	14.0 %	9.5 %	7.8 %	11.8 %	12.0 %	8.1 %	8.3 %	4.6 %	-3.2 %	7.3 %

Source: AIA

TABLE 11.3

FINANCE - France¹
Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	6,575	13,190	15,124	15,713	15,078	16,158	15,158	16,331	17,502	18,071	17,490
Value Added (gross)	3,016	5,626	6,690	6,303	6,128	5,912	5,977	6,595	7,233	7,541	7,474
Wage Costs	2,140	3,728	4,818	5,115	4,888	4,695	4,406	5,030	5,411	5,778	5,783
Trading Income	876	1,898	1,872	1,187	1,240	1,217	1,572	1,565	1,822	1,763	1,691
Net Income	-50	175	318	414	356	452	486	319	322	-203	-659
Equity	580	1,218	1,764	2,905	3,502	4,586	4,228	4,959	5,354	5,253	4,525
Long and Medium Term Debt	1,870	4,583	6,246	4,991	4,154	3,822	3,708	4,747	5,514	5,916	6,441
Total Permanent Liabilities	2,450	5,801	8,009	7,895	7,656	8,408	7,937	9,706	10,864	11,169	10,966
Permanent Assets	1,337	3,044	3,906	4,624	4,664	5,026	5,110	6,672	7,268	7,477	6,698
R&D Industry Funded	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-
Operating Investments	252	550	911	872	779	701	798	876	958	777	599
Number of Employees	82,108	130,047	153,291	153,211	134,381	123,779	114,013	124,987	127,234	126,132	127,932
Ratios											
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
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 %
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
Research effort											
Industry Funded R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-
Total R&D on Turnover	-	-	-	-	-	-	-	-	-	-	-
Operating Investments on Value Added	8.3 %	9.8 %	13.6 %	13.8 %	12.7 %	11.9 %	13.4 %	13.3 %	13.2 %	10.3 %	8.0 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	76.3 %	79.0 %	78.0 %	63.2 %	54.3 %	45.5 %	46.7 %	48.9 %	50.8 %	53.0 %	58.7 %
Profitability											
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 %
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 %
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 %
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 %

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

Source: Eurostat / Aerospatiale

TABLE 11.4

FINANCE - Germany¹
 Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	3,594	3,737	4,205	4,239	4,351	5,065	5,486	6,104	6,021	8,551	9,619
Value Added (gross)	1,690	1,783	1,949	2,058	2,023	2,357	1,959	2,766	2,825	4,947	4,465
Wage Costs	1,359	1,426	1,539	1,744	1,926	2,046	1,689	2,430	2,521	3,247	3,928
Trading Income	331	357	410	315	97	311	269	336	303	1,700	537
Net Income	52	60	79	-18	16	51	903 ²	-94	7	-169	-358
Equity	1,115	1,299	1,403	1,473	1,399	1,504	3,269	2,264	2,452	3,445	3,486
Long and Medium Term Debt	699	631	656	785	721	800	1,288	1,439	1,594	2,219	3,224
Total Permanent Liabilities	1,814	1,930	2,059	2,258	2,121	2,305	4,557	3,702	4,046	5,664	6,709
Permanent Assets	885	978	1,003	1,119	1,241	1,499	3,705	3,756	4,047	5,891	7,446
R&D Industry Funded	105	126	205	238	259	261	309	390	390	445	465
Total	472	669	1,258	1,177	1,327	1,394	1,122	2,051	2,092	2,563	2,502
Operating Investments	180	156	200	287	309	332	659	457	481	511 ^r	500
Number of Employees	52,117	51,163	52,558	54,283	55,538	55,020	55,111	60,835	58,945	73,063	79,306

Ratios

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
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 %
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
Research effort											
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 %
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 %
Operating Investments on Value Added	10.6 %	8.7 %	10.3 %	14.0 %	15.3 %	14.1 %	33.7 %	16.5 %	17.0 %	10.3 % ^r	11.2 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	38.5 %	32.7 %	31.8 %	34.8 %	34.0 %	34.7 %	28.3 %	38.9 %	39.4 %	39.2 %	48.0 %
Profitability											
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 %
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 %
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 %
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 %

- 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, Deutsche Aerospace Airbus, TST).

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

Source: Eurostat / Aérospatiale

TABLE 11.5

FINANCE - Italy¹

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	642	843	1,318	2,082	2,067	2,140	2,578	3,435	3,724	6,943	5,959
Value Added (gross)	329	357	625	971	1,001	1,075	1,310	1,734	1,524	2,975	2,405
Wage Costs	204	220	403	569	653	707	824	1,204	1,333	2,121	1,850
Trading Income	125	137	222	402	347	368	486	530	191	854	556
Net Income	4	12	29	39	56	70	65	39	-83	117	18
Equity	268	289	489	805	895	900	1,022	1,485	1,440	1,934	1,681
Long and Medium Term Debt	602	553	703	1,653 ^r	1,264	1,563	1,772	1,961	2,215	2,458	2,134
Total Permanent Liabilities	870	842	1,192	2,119	2,159	2,463	2,794	3,446	3,655	4,392	3,815
Permanent Assets	340	321	466	911	944	1,250	1,380	1,498	1,905	4,456	4,454
R&D Industry Funded	-	-	-	-	-	-	-	-	-	235	175
Total	189	282	359	605	654	623	648	776	756	783	584
Operating Investments	94	24	69	-	131	151	166	468	315	404	285
Number of Employees	12,286	12,321	19,632	29,610	30,223	30,781	31,384	39,643	38,442	51,503	52,587
Ratios²											
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
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 %
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
Research effort											
Industry Funded R&D on Turnover	-	-	-	-	-	-	-	-	-	3.4 %	2.9 %
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 %
Operating Investments on Value Added	28.5 %	6.7 %	11.0 %	-	13.1 %	14.0 %	12.7 %	27.0 %	20.7 %	13.6 %	11.9 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	69.2 %	65.7 %	59.0 %	78.0 % ^r	58.5 %	63.5 %	63.4 %	56.9 %	60.6 %	56.0 %	55.9 %
Profitability											
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 %
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 %
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 %
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 %

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

2) Minor adjustments compared to previous edition due to rounding

^r Revised

Source: Eurostat / Aerospatiale

TABLE 11.6

FINANCE - Netherlands¹

Million ECU at Current Prices

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

Ratios²

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
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 %
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
Research effort											
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 %	-	-
Operating Investments on Value Added	4.7 %	8.9 %	14.1 %	9.1 %	14.6 %	6.6 %	10.7 %	16.9 %	11.2 %	8.7 %	5.4 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	78.3 %	77.0 %	68.8 %	67.6 %	84.8 %	63.6 %	67.2 %	68.7 %	68.5 %	65.6 %	78.5 %
Profitability											
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 %
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 %
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 %
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 %

1) Companies: Fokker

2) Minor adjustment compared to previous edition due to rounding

Source: Eurostat / Aerospatiale

TABLE 11.7

FINANCE - Spain¹
 Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	-	-	355	305	313	532	601	764	681	693	763
Value Added (gross)	-	-	247	220	205	310	359	412	400	398	455
Wage Costs	-	-	184	207	214	261	292	306	322	317	293
Trading Income	-	-	62	13	-9	49	67	106	78	81	161
Net Income	-	-	13	-63	-97	-46	-29	-23	-54	-27	8
Equity	-	-	89	30	-68	-14	13	66	67	352	312
Long and Medium Term Debt	-	-	206	312	285	537	578	717	741	386	338
Total Permanent Liabilities	-	-	295	342	216	524	591	783	808	738	650
Permanent Assets	-	-	135	174	195	256	504	662	626	511	381
R&D Industry Funded	-	-	15	15	15	18	20	17	28	25	5
Total	-	-	-	-	-	-	-	-	-	-	115
Operating Investments	-	-	46	47	50	62	74	45	55	32	16
Number of Employees	-	-	10,238	10,591	10,777	10,652	10,138	9,544	9,338	8,999	8,398
Ratios											
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
Value Added on Wage Costs	-	-	133.8 %	106.5 %	95.7 %	118.9 %	122.9 %	134.8 %	124.2 %	125.6 %	155.0 %
Value Added per Worker (Thousand ECU)	-	-	24.1	20.8	19.0	29.1	35.4	43.2	42.9	44.2	54.1
Research effort											
Industry Funded R&D on Turnover	-	-	4.2 %	4.8 %	4.7 %	3.4 %	3.4 %	2.2 %	4.1 %	-	-
Total R&D on Turnover	-	-	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	-	-
Operating Investments on Value Added	-	-	18.5 %	21.6 %	24.3 %	19.9 %	20.6 %	11.0 %	13.8 %	7.9 %	3.5 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	-	-	69.8 %	91.3 %	131.5 %	102.6 %	97.8 %	91.6 %	91.7 %	52.3 %	52.0 %
Profitability											
Trading Income on Value Added	-	-	25.2 %	6.1 %	-4.5 %	15.9 %	18.6 %	25.8 %	19.5 %	20.4 %	35.3 %
Net Income on Value Added	-	-	5.1 %	-28.8 %	-47.4 %	-14.7 %	-8.1 %	-5.5 %	-13.6 %	-6.8 %	1.8 %
Net Income on Equity	-	-	14.2 %	-212.2 %	142.4 %	331.6 %	-221.3 %	-34.2 %	-81.2 %	-7.7 %	2.7 %
Net Income on Permanent Assets	-	-	9.4 %	-36.5 %	-49.9 %	-17.8 %	-5.8 %	-3.4 %	-8.7 %	-5.3 %	2.2 %

1) Companies: CASA

Source: Eurostat / Aerospatiale

TABLE 11.8

FINANCE - Sweden¹

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	-	4,193	5,129	5,301	5,963	6,211	6,696	4,205	4,412	4,037	3,430
Value Added (gross)	-	1,513	1,713	1,788	1,873	1,947	1,997	1,546	1,669	1,646	1,329
Wage Costs	-	973	1,131	1,168	1,245	1,330	1,561	1,087	1,186	1,187	973
Trading Income	-	540	582	621	628	616	436	459	484	459	355
Net Income	-	112	116	203	204	225	168	49	196	81	39
Equity	-	1,675	2,042	2,231	2,468	2,788	2,953	2,763	2,513	1,361	1,131
Long and Medium Term Debt	-	635	644	807	904	1,019	1,079	950	1,470	2,708	1,807
Total Permanent Liabilities	-	-	-	-	-	3,807	4,032	3,713	3,983	4,069	2,938
Permanent Assets	-	1,227	1,523	1,801	2,137	2,518	3,206	2,426	2,795	3,085	2,584
R&D Industry Funded	-	310	386	389	430	458	473	349	380	326	253
Total	-	78	67	58	58	84	613	436	500	388	338
Operating Investments	-	415	407	417	480	478	675	474	541	441	327
Number of Employees	-	46,381	48,644	50,994	53,325	52,203	52,512	33,384	33,857	33,112	30,593

Ratios

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
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 %
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
Research effort											
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 %
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 %
Operating Investments on Value Added		27.4 %	23.7 %	23.3 %	25.6 %	24.6 %	33.8 %	30.7 %	32.4 %	26.8 %	24.6 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	-	-	-	-	-	26.8 %	26.7 %	25.6 %	36.9 %	66.6 %	61.5 %
Profitability											
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 %
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 %
Net Income on Equity	-	6.7 %	5.7 %	9.1 %	8.3 %	8.1 %	5.7 %	1.8 %	7.8 %	5.9 %	3.5 %
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 %

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

Source: Eurostat / Aerospatiale

TABLE 11.9

FINANCE - United Kingdom¹

Million ECU at Current Prices

Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Turnover	6,741	7,066	7,737	7,868	9,248	11,995	18,534	20,482	20,748	18,926	18,880
Value Added (gross)	2,609	2,990	3,307	3,152	3,387	4,534	5,938	6,555	6,483	5,290	4,924
Wage Costs	2,393	2,466	2,655	2,444	2,658	3,390	4,507	4,921	5,233	4,660	4,196
Trading Income	216	525	651	708	730	1,144	1,430	1,634	1,250	630	727
Net Income	-153	215	186	336	54	476	673	615	-163	-1,514	-193
Equity	2,035	2,336	2,760	2,741	2,812	4,830	5,719	5,913	6,142	4,253	4,085
Long and Medium Term Debt	1,384	1,463	1,213	1,152	1,258	2,113	3,288	2,810	3,195	4,668	4,350
Total Permanent Liabilities	3,419	3,799	3,973	3,893	4,070	6,943	9,008	8,723	9,337	8,921	8,435
Permanent Assets	1,342	1,685	1,764	1,637	2,089	4,651 r	5,616 r	5,758 r	6,174 r	6,456 r	5,921
R&D Industry Funded	394	367	377	369	439	385	523	661	474	530	559
Total	535 ²	489 ²	526 ²	1,151	1,149	1,464	1,665	1,679	1,613	1,519	1,513
Operating Investments	192	219	300	291	408	866	1,350	1,049	1,012	852	763
Number of Employees	136,264	129,690	128,658	128,158	139,138	183,660	192,474	203,401	193,840	172,266	154,536
Ratios											
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Apparent Labor Productivity											
Value Added on Wage Costs	109.0 %	121.3 %	124.5 %	129.0 %	127.5 %	133.8 %	131.7 %	133.2 %	123.9 %	113.5 %	117.3 %
Value Added per Worker (Thousand ECU)	19.1	23.1	25.7	24.6	24.3	24.7	30.8	32.2	33.4	30.7	31.9
Research effort											
Industry Funded R&D on Turnover	5.8 %	5.2 %	4.9 %	4.7 %	4.8 %	3.2 %	2.8 %	3.2 %	2.3 %	2.8 %	3.0 %
Total R&D on Turnover	7.9 % ²	6.9 % ²	6.8 % ²	14.6 %	12.4 %	12.2 %	9.0 %	8.2 %	7.8 %	8.0 %	8.0 %
Operating Investments on Value Added	7.4 %	7.3 %	9.1 %	9.2 %	12.1 %	19.1 %	22.7 %	16.0 %	15.6 %	16.1 %	15.5 %
Debt Ratio / Long and Medium Term Debt on Permanent Liabilities	40.5 %	38.5 %	30.5 %	29.6 %	30.9 %	30.4 %	36.5 %	32.2 %	34.2 %	52.3 %	51.6 %
Profitability											
Trading Income on Value Added	8.3 %	17.5 %	19.7 %	22.5 %	21.5 %	25.2 %	24.1 %	24.9 %	19.3 %	11.9 %	14.8 %
Net Income on Value Added	-5.9 %	7.2 %	5.6 %	10.7 %	1.6 %	10.5 %	11.3 %	9.4 %	-2.5 %	-28.6 %	-3.9 %
Net Income on Equity	-7.5 %	9.2 %	6.7 %	12.3 %	1.9 %	9.9 %	11.8 %	10.4 %	-2.6 %	-35.6 %	-4.7 %
Net Income on Permanent Assets	-11.4 %	12.7 %	10.5 %	20.5 %	2.6 %	10.2 % r	12.0 %	10.7 %	-2.6 %	-23.5 %	-3.3 %

1) Companies: BAe, Rolls-Royce, Westland

Source: Eurostat / Aerospatiale

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

r Revised

Chapter 12

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 manufacturing and repairing* (NABS code 0751¹). The data relating to the *exploration and exploitation of space* (NABS 0900²) 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 10 on R&D contracts due to differences in scope and classification.

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 (which cases are entered under separate headings). General research into manufacturing and processing techniques and materials is entered under separate headings, and hence 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 12.1

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

NABS 0751 Aerospace Equipment Manufacturing and Repairing														
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 ¹	0	-	5	-	-	-
1993	-	-	304	-	128	-	-	-43 ¹	0	-	-	-	-	-
1994 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
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Source: EUROSTAT CRONOS ZRD1

TABLE 12.2

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

<i>NABS 0751 Aerospace Equipment Manufacturing and Repairing</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 %	0.0 %	-	0.1 %	-	-	-
1993	-	-	1.9 %	-	6.2 %	-	-	-0.6 %	0.0 %	-	-	-	-	-
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: EUROSTAT CRONOS ZRD1

Chapter 13

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**¹ 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 10 (complete aircraft/missiles, complete space systems, aircraft/missiles propulsion devices / engines, aircraft/missiles equipment).

Data for Spain relating to the years 1984-86 have been estimated by linear regression to the employment of the major Spanish aerospace company, Casa.

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)

¹ Notice that the inclusion of Sweden as of 1993 has generally caused alterations to the EU totals.

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.

TABLE 13.1

AEROSPACE EMPLOYMENT

Total Figures at Year-end

	BE	DE	ES	FR	GB	IT	NL	SE	EU	USA ¹	Canada	Japan
1980	7,032	66,086	8,177	110,783	229,821	40,934	8,862	n/a	471,695	830,000	46,800	32,991
1981	6,886	68,650	9,516	113,687	249,863	41,920	9,706	n/a	500,228	829,000	44,800	33,800
1982	6,705	66,883	10,216	115,982	230,961	42,907	9,527	n/a	483,181	765,000	39,800	35,100
1983	6,127	65,677	10,538	127,269	221,998	42,546	8,398	n/a	482,553	765,000	37,100	33,800
1984	5,757	65,366	11,439	127,815	203,201	42,885	9,055	n/a	465,518	817,000	44,041	34,200
1985	5,470	77,256	11,836	127,072	206,676	43,284	10,053	n/a	481,647	898,000	48,794	34,300
1986	5,743	85,021	12,019	126,057	203,489	44,780	10,860	n/a	487,969	948,000	54,633	33,350
1987	5,510	86,573	11,304	122,316	207,161	47,000	11,529	n/a	491,393	968,000	58,861	36,610
1988	4,829	93,561	11,770	119,484	196,682	49,500	11,585	n/a	487,411	977,000	62,859	37,500
1989	5,239	94,456	12,581	120,334	189,911	50,501	12,718	n/a	485,740	992,000	66,106	38,300
1990	5,234	95,042	12,627	120,720	186,337	50,698	13,314	n/a	483,972	946,000	65,679	39,100
1991	7,601	86,299	12,362	118,300	167,614	47,000	12,606	n/a	451,782	879,000	65,615	40,300
1992	7,128	78,501	11,067	111,700	149,725	42,000	12,363	n/a	412,484	775,000	61,316	40,200
1993	6,038	72,895	9,619	105,600	132,019	37,000	10,414	12,693	386,278	676,000 r	53,432 r	39,600
1994	5,636	67,965	9,441	100,500	119,353	37,000	8,827	12,024	360,746	616,000 p	54,031	38,100

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.

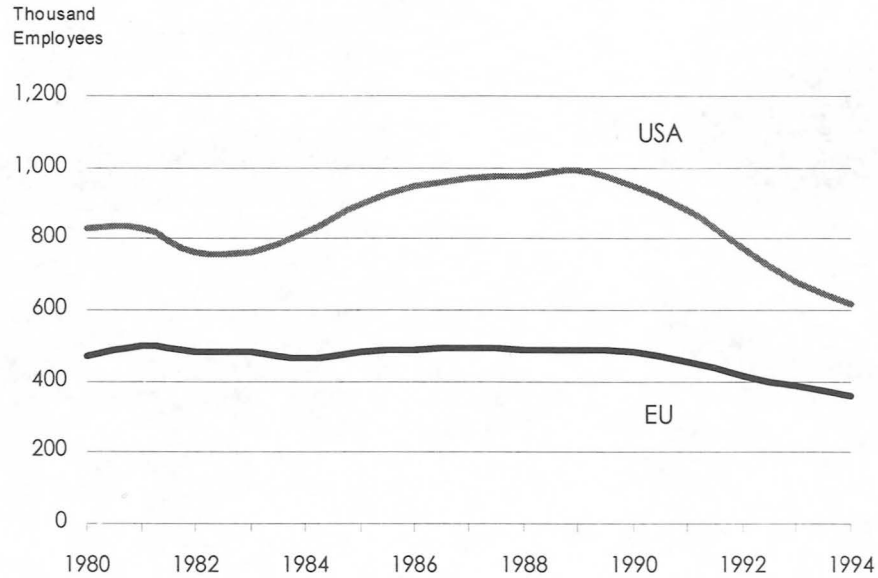
r Revised

p Preliminary

Source: EU: Industrial Associations / DGIII Annual Survey
USA: AIA; CANADA: Industry Canada; JAPAN: SJAC

CHART 13.1

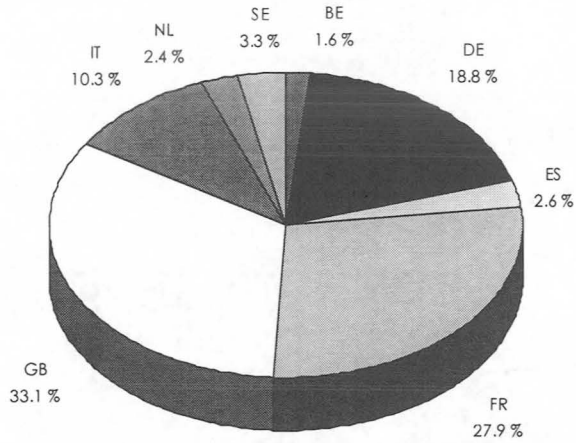
EU and USA Aerospace Employment



Sources: EU: Industrial Associations / DGIII Annual Survey; USA: AIA

CHART 13.2

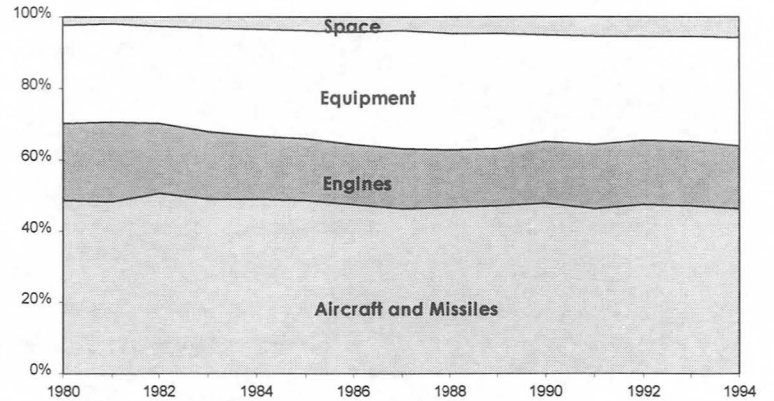
EU AEROSPACE EMPLOYMENT 1994
Breakdown by Country



Source: Industrial Associations / DGIII Annual Survey

CHART 13.3

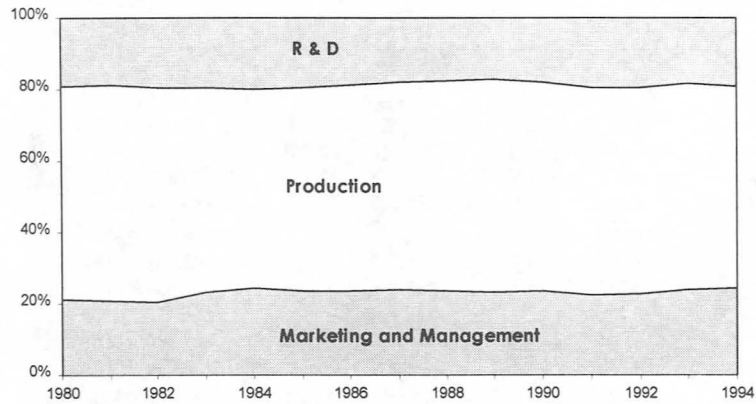
EU AEROSPACE EMPLOYMENT
Breakdown by Sector



Source: Industrial Associations / DGIII Annual Survey

CHART 13.4

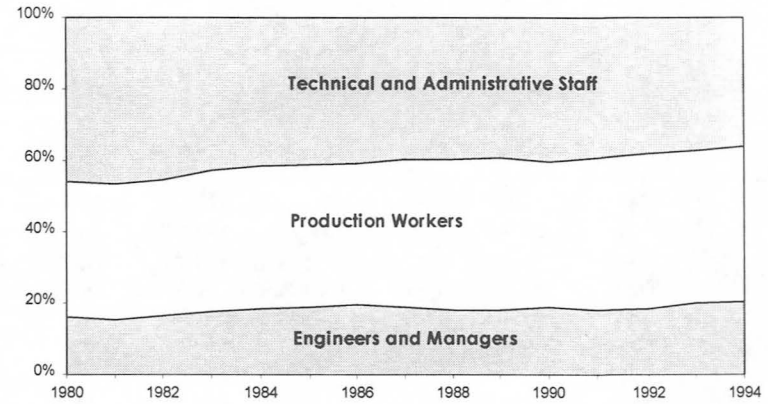
**EU AEROSPACE EMPLOYMENT
Breakdown by Activity**



Source: Industrial Associations / DGIII Annual Survey

CHART 13.5

**EU AEROSPACE EMPLOYMENT
Breakdown by Professional Category**



Source: Industrial Associations / DGIII Annual Survey

TABLE 13.2

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	77,353	20.0 %	164,326	42.6 %	144,306	37.4 %	92,828	24.0 %	222,221	57.5 %	71,229	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 %

Source: Industrial Associations / DGIII Annual Survey

TABLE 13.3

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	228,820	1980	2,262	8,701	226	22,570	62,986	6,037	0	n/a	102,782
1981	3,461	42,472	8,553	61,067	92,310	26,930	6,982	n/a	241,775	1981	2,398	8,955	240	23,360	70,942	6,292	0	n/a	112,187
1982	3,329	40,501	9,233	61,382	94,953	28,183	6,852	n/a	244,433	1982	2,357	8,697	259	24,030	53,671	5,984	0	n/a	94,998
1983	2,919	38,722	9,535	60,301	90,015	28,255	6,039	n/a	235,786	1983	2,238	7,717	261	24,424	51,264	5,803	0	n/a	91,707
1984	2,757	39,411	10,079	60,525	81,844	27,850	6,511	n/a	228,977	1984	2,107	8,434	396	24,927	40,630	5,645	0	n/a	82,139
1985	2,577	41,694	10,301	59,954	86,799	26,280	7,229	n/a	234,834	1985	2,053	8,096	466	25,100	40,701	6,475	0	n/a	82,891
1986	2,714	44,934	10,331	57,630	81,463	27,087	7,809	n/a	231,968	1986	2,053	8,790	530	25,271	38,591	6,086	0	n/a	81,321
1987	2,680	40,698	9,808	55,613	82,249	27,965	8,439	n/a	227,452	1987	1,878	9,481	528	25,453	39,924	6,392	0	n/a	83,656
1988	2,611	43,824	9,601	54,317	81,170	27,918	8,789	n/a	228,230	1988	1,611	9,824	663	24,059	34,765	6,830	0	n/a	77,752
1989	2,847	45,237	10,469	54,466	76,088	29,543	9,717	n/a	228,367	1989	1,555	9,802	720	24,125	36,004	6,868	0	n/a	79,074
1990	2,806	48,598	10,654	53,160	76,318	29,152	10,243	n/a	230,931	1990	1,590	10,926	395	24,880	39,523	6,945	0	n/a	84,259
1991	4,220	37,769	9,864	52,270	67,886	27,965	9,319	n/a	209,293	1991	1,847	10,072	913	24,220	37,083	7,332	0	n/a	81,467
1992	4,039	39,948	9,302	50,670	57,371	24,528	9,133	n/a	194,991	1992	1,741	10,259	852	23,220	32,174	6,636	0	n/a	74,882
1993	3,837	37,652	8,016	48,240	47,642	21,460	7,558	7,515	181,920	1993	1,741	8,555	836	21,840	28,052	6,178	0	3,053	70,255
1994	3,770	33,870	7,922	46,920	42,259	18,759	6,381	7,074	166,955	1994	560	7,827	788	20,960	24,503	5,698	57	2,771	63,164
	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	128,759	1980	245	2,766	146	2,681	4,417	870	209	n/a	11,334
1981	728	14,542	567	26,100	83,443	7,887	2,495	n/a	135,762	1981	299	2,681	156	3,160	3,168	811	229	n/a	10,504
1982	655	13,958	584	26,116	78,900	7,826	2,449	n/a	130,488	1982	364	3,727	140	4,454	3,437	914	226	n/a	13,262
1983	560	14,806	586	37,848	76,612	7,205	2,158	n/a	139,775	1983	410	4,432	156	4,696	4,107	1,283	201	n/a	15,285
1984	513	12,454	735	36,357	77,761	7,970	2,327	n/a	138,117	1984	380	5,067	229	6,006	2,966	1,420	217	n/a	16,285
1985	406	22,019	802	35,323	76,577	8,249	2,583	n/a	145,959	1985	434	5,447	267	6,695	2,599	2,280	241	n/a	17,963
1986	405	25,744	856	34,659	80,935	8,643	2,791	n/a	154,033	1986	571	5,553	302	8,497	2,500	2,964	260	n/a	20,647
1987	397	30,498	587 r	35,061	82,630	9,400	2,814 r	n/a	161,387 r	1987	555	5,896	381 r	6,189	2,358	3,243	276 r	n/a	18,898 r
1988	263	33,609	540 r	32,574	78,000	11,138	2,481 r	n/a	158,605 r	1988	344	6,304	966 r	8,534	2,747	3,614	315 r	n/a	22,824 r
1989	288	32,943	997 r	32,663	75,841	10,555	2,605 r	n/a	155,892 r	1989	549	6,474	395 r	9,080	1,978	3,535	396 r	n/a	22,407 r
1990	248	28,512	1,001 r	32,960	68,187	10,951	2,644 r	n/a	144,503 r	1990	590	7,006	577 r	9,720	2,309	3,650	427 r	n/a	24,279 r
1991	1,199	31,502	900 r	31,640	60,495	8,084	2,852 r	n/a	136,672 r	1991	335	6,956	685 r	10,170	2,150	3,619	435 r	n/a	24,350 r
1992	1,076	21,707	322 r	28,660	58,959	6,804	2,794 r	n/a	120,322 r	1992	272	6,587	591 r	9,150	1,221	4,032	436 r	n/a	22,289 r
1993	179	20,779	193	26,760	55,233	5,477	2,436	1,601	112,658	1993	281	5,909	574	8,760	1,092	3,885	420	524	21,445
1994	991	21,265	183	23,920	51,716	7,068	1,953	1,637	108,733	1994	315	5,003	548	8,700	875	5,475	436	542	21,894

r Revised

Source: Industrial Associations / DGIII Annual Survey

TABLE 13.4

BREAKDOWN OF EU WORKFORCE AT YEAR-END

By Sector and by Professional Category / Activity

	AIRCRAFT AND MISSILES						ENGINES					
	Professional Category			Activity			Professional Category			Activity		
	Engineers Technical and Administrative Managers	Staff	Production Workers	R & D	Production	Marketing and Management	Engineers Technical and Administrative Managers	Staff	Production Workers	R & D	Production	Marketing and Management
1980	33,804	93,577	101,480	44,742	140,817	43,261	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	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	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	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	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	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	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	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	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	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	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	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	10,362	31,425	32,949	18,364	43,062	13,456
1993	33,711	81,357	66,706	36,957	111,604	33,359	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	8,742	27,516	26,760	15,793	36,537	10,834
	EQUIPMENT						SPACE					
	Professional Category			Activity			Professional Category			Activity		
	Engineers Technical and Administrative Managers	Staff	Production Workers	R & D	Production	Marketing and Management	Engineers Technical and Administrative Managers	Staff	Production Workers	R & D	Production	Marketing and Management
1980	24,703	47,773	56,257	32,772	69,326	26,661	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	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	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	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	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	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	5,934	10,686	4,026	11,095	6,140	3,412
1987	34,736 r	64,628 r	62,076 r	39,325 r	93,971 r	28,091 r	5,796 r	10,033 r	3,069 r	9,740 r	5,546 r	3,612 r
1988	29,342 r	64,788 r	64,475 r	36,386 r	94,721 r	27,498 r	7,835 r	11,460 r	3,528 r	11,362 r	6,970 r	4,492 r
1989	30,312 r	64,103 r	61,482 r	35,914 r	92,769 r	27,209 r	7,777 r	10,164 r	4,466 r	10,795 r	8,171 r	3,441 r
1990	28,748 r	56,875 r	58,881 r	33,582 r	83,469 r	27,452 r	8,742 r	10,583 r	4,954 r	11,590 r	8,602 r	4,087 r
1991	25,540 r	54,450 r	56,533 r	30,193 r	78,012 r	28,467 r	8,787 r	11,050 r	4,513 r	12,045 r	8,407 r	3,898 r
1992	24,977 r	47,866 r	47,331 r	27,513 r	68,302 r	24,507 r	7,582 r	10,121 r	4,586 r	10,204 r	7,854 r	4,231 r
1993	26,129	43,626	42,902	27,698	61,962	22,998	8,044	9,379	4,022	10,472	7,577	3,396
1994	25,170	44,219	39,197	27,408	57,663	23,662	7,638	9,891	4,365	10,289	8,154	3,451

r Revised

Source: Industrial Associations / DGIII Annual Survey

Chapter 14

Major Aerospace Companies

Date for the *turnover* and *employment* of the major world aerospace manufacturers are primarily the result of an annual survey, carried out by DGIII with the companies, completed with elements published in annual reports and press information.

Unless stated otherwise, the data relating to diversified groups cover their aerospace activities only.

The reader is advised to consider these tables indicative, as there may well be omissions, due to difficulties in obtaining the data for all relevant companies. Hence, the ranking according to size in 1994 does not necessarily present the full global picture. Please observe also that the ranking principle ("Top 50") has been overruled where significant countries would otherwise not have been represented.

The turnover/employment ratio is not the best way of measuring productivity, since it overestimates the position of manufacturers that undertake little R&D activity and/or carry out more work under license or under sub-contracts.

TABLE 14.1

COMPANY INDEX

<i>Company</i>	<i># / # refers to Table 14.2 / Table 14.3 row numbers</i>
ABG SEMCA	Included in THOMSON-CSF until 1989
AEROSPATIALE	7 / 8
AGUSTA S.P.A.	Included in FINMECCANICA S.P.A. as of 1993
AIR EQUIPEMENT (BENDIX)	Included in THOMSON-CSF
ALENIA SPA	Included in FINMECCANICA S.P.A.
ALLIEDSIGNAL INC.	11 / 27
ALLISON ENGINE COMPANY INC.	Included in ROLLS-ROYCE PLC as of 1995
AMERICAN EUROCOPTER CORPORATION	Included in EUROCOPTER S.A. as of 1991
ANGENIEUX (ETS PIERRE)	Included in THOMSON-CSF as of 1993
ASTA - AEROSPACE TECHNOLOGIES OF AUSTRALIA	47 / 24
AVG (SEXTANT)	Included in SEXTANT AVIONIQUE MEUDON until 1989
BAE CORPORATE JETS / HAWKER	Included in RAYTHEON as of 1993
BEECH AIRCRAFT CORPORATION	Included in RAYTHEON as of 1990
BELL HELICOPTER TEXTRON INC.	Included in TEXTRON INC.
BF GOODRICH AEROSPACE	34 / 28
BOMBARDIER INC.	21 / 29
BRITISH AEROSPACE PLC	5 / 5
BRONZAVIA - AIR EQUIPEMENT	Included in THOMSON-CSF until 1988
C.A.S.A. (INI)	41 / 16
CANADAIR GROUP	Included in BOMBARDIER INC. as of 1989
CESSNA AIRCRAFT COMPANY	Included in TEXTRON INC. as of 1992
CIR	Included in SEXTANT AVIONIQUE MEUDON
DAIMLER-BENZ AEROSPACE AG	Included in DAIMLER-BENZ AEROSPACE GROUP
DAIMLER-BENZ AEROSPACE AIRBUS	Included in DAIMLER-BENZ AEROSPACE GROUP as of 1989
DAIMLER-BENZ AEROSPACE GROUP	4 / 3
DASSAULT AVIATION	25 / 15
DE HAVILLAND	Included in BOMBARDIER INC. as of 1988
DORNIER GMBH	Included in DAIMLER-BENZ AEROSPACE GROUP
DORNIER LUFTFAHRT GMBH	Included in DAIMLER-BENZ AEROSPACE GROUP
DORNIER SATELLITENSYSTEM GMBH	Included in DAIMLER-BENZ AEROSPACE GROUP as of 1995
E-SYSTEMS	Included in RAYTHEON
EMBRAER SA	46 / 21
EUROCOPTER CANADA Ltd.	Included in EUROCOPTER S.A. as of 1991
EUROCOPTER DEUTSCHLAND GMBH	Included in EUROCOPTER S.A. as of 1992
EUROCOPTER FRANCE	Included in EUROCOPTER S.A. as of 1991
EUROCOPTER INTERNATIONAL S.A.	Included in EUROCOPTER FRANCE
EUROCOPTER S.A.	29 / 14
FINMECCANICA S.P.A.	15 / 30
FOKKER AIRCRAFT B.V.	Included in DAIMLER-BENZ AEROSPACE GROUP as of 1993

TABLE 14.1

COMPANY INDEX (cont.)

<i>Company</i>	<i># / # refers to Table 14.2 / Table 14.3 row numbers</i>	<i>Company</i>	<i># / # refers to Table 14.2 / Table 14.3 row numbers</i>
GEC-MARCONI AEROSPACE LTD	Included in GEC-MARCONI LTD	PILKINGTON OPTRONICS	Included in THOMSON-CSF as of 1993
GEC-MARCONI AVIONICS	Included in GEC-MARCONI LTD	PRATT & WHITNEY	Included in UTC - UNITED TECHNOLOGIES CORP.
GEC-MARCONI LTD	12 / 31	RAYTHEON	27 / 41
GENERAL ELECTRIC AEROSPACE DIVISION	Included in MARTIN MARIETTA CORPORATION	ROCKWELL INTERNATIONAL CORPORATION	9 / 42
GRUMMAN CORPORATION	Included in NORTHROP GRUMMAN as of 1994	ROHR INC.	40 / 20
HAI - HELLENIC AEROSPACE INDUSTRY LTD.	48 / 23	ROLLS-ROYCE PLC	17 / 10
HAL - HINDUSTAN AERONAUTICS LTD.	44 / 6	SAAB AB	43 / 19
HARRIS CORPORATION	33 / 32	SAMAERO	Included in EUROCOPTER S.A. as of 1991
HISPANO-SUIZA	Included in SNECMA GROUP	SAMSUNG AEROSPACE INDUSTRIES Ltd.	36 / 43
HONEYWELL INC.	31 / 33	SELENIA SPAZIO	Included in FINMECCANICA S.P.A. as of 1990
HUGHES REDIFFUSION SIMULATION LTD	Included in THOMSON-CSF as of 1994	SEQUA	42 / 18
HUNTING AVIATION LTD	39 / 13	SEXTANT AVIONIQUE MEUDON	Included in THOMSON-CSF as of 1993
ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO.	32 / 34	SHORT BROTHERS PLC	Included in BOMBARDIER INC. as of 1989
ISRAEL AIRCRAFT INDUSTRIES LTD (IAI)	30 / 12	SIKORSKY AIRCRAFT CORPORATION	Included in UTC - UNITED TECHNOLOGIES CORP.
ITT CORPORATION	18 / 35	SIMERA - DIVISION OF DENEL (PTY) LTD	45 / 22
ITT DEFENSE INC	Included in ITT CORPORATION	SNECMA	Included in SNECMA GROUP
KAWASAKI HEAVY INDUSTRIES, LTD	22 / 36	SNECMA GROUP	16 / 9
LAGARDERE GROUP	23 / 17	SOCHATA	Included in SNECMA GROUP
LEARJET INC.	Included in BOMBARDIER INC. as of 1990	SOCIETE D'ETUDES DU RADANT (ALLIED SIGNAL)	Included in THOMSON-CSF
LENKFLUGKÖRPER GMBH	Included in DAIMLER-BENZ AEROSPACE GROUP as of 1995	SOCIÉTÉ EUROPÉENNE DE PROPULSION (SEP)	Included in SNECMA GROUP
LINK-MILES LTD	Included in THOMSON-CSF as of 1990	SONACA S.A.	50 / 26
LITTON INDUSTRIES INC	26 / 37	TECHSPACE AERO	Included in SNECMA GROUP as of 1990
LOCKHEED CORPORATION	Included in LOCKHEED MARTIN CORPORATION as of 1994	TELEDYNE INC.	35 / 44
LOCKHEED FORT WORTH COMPANY	Included in LOCKHEED CORPORATION	TEXAS INSTRUMENTS INC	28 / 45
LOCKHEED MARTIN CORPORATION	1 / 1	TEXTRON INC.	14 / 46
LORAL CORPORATION	10 / 38	TEXTRON LYCOMING TURBINE ENGINES	Included in ALLIEDSIGNAL INC. as of 1994
MARTIN MARIETTA CORPORATION	Included in LOCKHEED MARTIN CORPORATION as of 1994	TEXTRON LYCOMING TURBINE ENGINES	Included in TEXTRON INC. until 1993
MATRA DÉFENSE	Included in MATRA HACHETTE	THE BOEING COMPANY	2 / 2
MATRA HACHETTE	Included in LAGARDERE GROUP	THIokol CORPORATION	37 / 47
MATRA MARCONI SPACE FRANCE	Included in MATRA HACHETTE	THOMSON-CSF	24 / 11
MCDONNELL DOUGLAS CORPORATION	3 / 4	THOMSON-LUCAS	Included in THOMSON-CSF as of 1987
MESSERSCHMITT BÖLKOW BLÖHM	Included in DAIMLER-BENZ AEROSPACE GROUP as of 1990	THOMSON-TRT DÉFENSE GUYANCOURT	Included in THOMSON-CSF as of 1990
MESSIER-BUGATTI	Included in SNECMA GROUP	THORN EMI ELECTRONICS LTD	Included in THOMSON-CSF as of 1995
MIL-COM ELECTRONICS	Included in SEXTANT AVIONIQUE MEUDON	TRW INC	19 / 48
MITSUBISHI HEAVY INDUSTRIES, LTD	13 / 39	USFA (SIGNAAL)	Included in THOMSON-CSF as of 1990
MORS - TÉLÉCOM	Included in SEXTANT AVIONIQUE MEUDON	UTC - UNITED TECHNOLOGIES CORP.	6 / 49
MTU MOTOREN- UND TURBINEN-UNION MÜNCHEN GMBH	Included in DAIMLER-BENZ AEROSPACE GROUP	VDO LUFTFAHRTGERÄTE WERK GMBH	Included in SEXTANT AVIONIQUE MEUDON
NORTHROP GRUMMAN CORPORATION	8 / 7	VOUGHT AIRCRAFT COMPANY	Included in NORTHROP GRUMMAN as of 1992
OERLIKON-BÜHRLE HOLDING LTD	38 / 40	WESTINGHOUSE ELECTRIC CORPORATION	20 / 50
OGMA - INDUSTRIA AERONAUTICA DE PORTUGAL	49 / 25		

TABLE 14.2

TURNOVER OF MAJOR AEROSPACE MANUFACTURERS

Current Values (Mio ECU)

#	Name	Country	Fiscal Year		1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	Notes
			ends	1996 f											
1	LOCKHEED MARTIN CORPORATION	US			19,336										
2	THE BOEING COMPANY	US		16,434	18,431	21,723	23,252	23,656	21,670	18,404	14,344	13,431	16,708	18,012	1)
3	MCDONNELL DOUGLAS CORPORATION	US			10,791	12,115	13,383	14,887	12,496	12,919	11,915	11,010	12,305	14,285	Includes Deutsche Eurocopter (pro rata) and share of turnover in Airbus.
4	DAIMLER-BENZ AEROSPACE GROUP ¹	DE		8,667	8,407	9,038	9,619	8,551	6,021	6,104	3,767				
5	BRITISH AEROSPACE PLC	GB			7,840	7,107	7,440	8,464	8,705	7,781	6,258	5,548	5,840	4,275	
6	UTC - UNITED TECHNOLOGIES CORP.	US			7,657	8,046	8,415	8,993	8,898	9,837	8,332	7,784	8,521	10,626	2)
7	AEROSPATIALE ⁴	FR		7,545 a	7,377	7,665	7,630	6,967	5,096	4,827	3,977	3,592	3,737	3,620	Aerospace area only. Includes Aeritalia, Selenia, Alenia, Agusta. Defense systems are not included.
8	NORTHROP GRUMMAN CORPORATION	US			5,647	4,326	4,277	4,587	4,318	4,764	4,902	5,243	5,698	6,627	
9	ROCKWELL INTERNATIONAL CORPORATION	US	30/09		4,084	2,567	2,441	2,853	2,969	3,548	3,358	4,394	5,634	6,957	
10	LORAL CORPORATION	US	31/03		4,044	3,424									
11	ALLIEDSIGNAL INC.	US			3,887	3,868	3,803	4,252	4,208	4,610	4,014	4,113	4,556	4,708	3)
12	GEC-MARCONI LTD	GB	31/03		3,540	3,453									1993, 1994 resp. 50% and 100% of aerospace activities of Sextant Avionique included.
13	MITSUBISHI HEAVY INDUSTRIES, LTD	JP	31/03		3,435	2,959	2,821	2,385	2,030	2,039	1,924	1,878	1,648	1,738	
14	TEXTRON INC.	US			3,132	3,267	2,806	764	875	881	869	1,127	1,437	1,499	
15	FINMECCANICA S.P.A. ²	IT			3,095	1,722	2,095								4)
16	SNECMA GROUP	FR			2,875	2,949	3,335	3,432	3,404	3,062	2,455	2,183	2,265	1,788	Includes share of turnover in Airbus, ATEV/Sextant Avionique, Eurocopter, Euromissile and Celerg for relevant years.
17	ROLLS-ROYCE PLC	GB		3,401	2,895	2,529	2,742	2,905	2,900	3,278	3,051	2,531	2,516	2,229	
18	ITT CORPORATION	US			2,383										
19	TRW INC	US			2,364	2,381	2,259	2,510	2,600	2,891	2,690	2,691	3,453	4,383	
20	WESTINGHOUSE ELECTRIC CORPORATION	US			2,074	2,240									
21	BOMBARDIER INC.	CA	31/01		1,835	1,485	1,421	1,070	931	644	433	363	210		
22	KAWASAKI HEAVY INDUSTRIES, LTD	JP	31/03		1,649	1,865	1,409	1,385	1,239	1,439	1,160	765	800	731	
23	LAGARDERE GROUP	FR			1,610	1,603	1,609	1,536	1,490	1,014	965	929	830	840	
24	THOMSON-CSF ³	FR			1,610	1,221	949	875	1,012	883	1,023	1,183	1,206	1,030	
25	DASSAULT AVIATION	FR		1,533 a	1,550	1,706	2,112	2,058	2,476	2,472	2,510	2,243	2,294	2,419	
26	LITTON INDUSTRIES INC	US	31/07		1,455	1,572	1,507	1,825	1,894	2,251	1,995	1,948	2,128	2,467	
27	RAYTHEON	US			1,448	1,252	966	886	843						
28	TEXAS INSTRUMENTS INC	US			1,438	1,573									
29	EUROCOPTER S.A.	FR			1,398	1,515	1,694	1,807							
30	ISRAEL AIRCRAFT INDUSTRIES LTD (IAI)	IL		1,185	1,108	1,217	1,236	1,210	1,297	1,114	1,161	898	753	1,099	1,322
31	HONEYWELL INC.	US			1,204	1,430									
32	ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO.	JP	31/03		1,075	1,045	792	781	695	803	713	590	640	590	
33	HARRIS CORPORATION	US	30/06		949	890									
34	BF GOODRICH AEROSPACE	US			883	730									
35	TELEDYNE INC.	US			880	988	990	1,081	1,155	1,331	1,309	1,247	1,467	1,793	
36	SAMSUNG AEROSPACE INDUSTRIES Ltd.	KR			848	726									
37	THIokol CORPORATION	US	30/06		792	948									
38	OERLIKON-BÜHRLE HOLDING LTD	CH			774	787									
39	HUNTING AVIATION LTD	GB			772	612	397	448	521	560	552	461	494	396	
40	ROHR INC.	US	31/07		772	1,003	986	1,118	847	948	767	577	636	778	
41	C.A.S.A. (INI)	ES			729	738	693	681	764	601	532	313	305	354	
42	SEQUA	US			712	839									
43	SAAB AB	SE		761	447	492	520	660	572	572	563	608	468	502	
44	HAL - HINDUSTAN AERONAUTICS LTD.	IN	31/03		361	298	265	373	456	490	423	461	506	674	
45	SIMERA - DIVISION OF DENEL (PTY) LTD	ZA			151	145	130								
46	EMBRAER SA	BR			149	284	257	324	457	636	442	411	384	287	
47	ASTA - AEROSPACE TECHNOLOGIES OF AUSTRALIA	AU			102	93	90	75	71	68				50	
48	HAI - HELLENIC AEROSPACE INDUSTRY LTD.	GR			89	90	81	64	69	67	58	51	52	67	
49	OGMA - INDUSTRIA AERONAUTICA DE PORTUGAL, S.	PT		61	56	74	89	82	82	68	65	48	30	24	
50	SONACA S.A.	BE		69	52	68	79	83	80	78	74	67	58	50	59

a = Actual; e = Estimate; f = Forecast

Source: Manufacturers; General Press

TABLE 14.3

WORKFORCE OF MAJOR AEROSPACE MANUFACTURERS

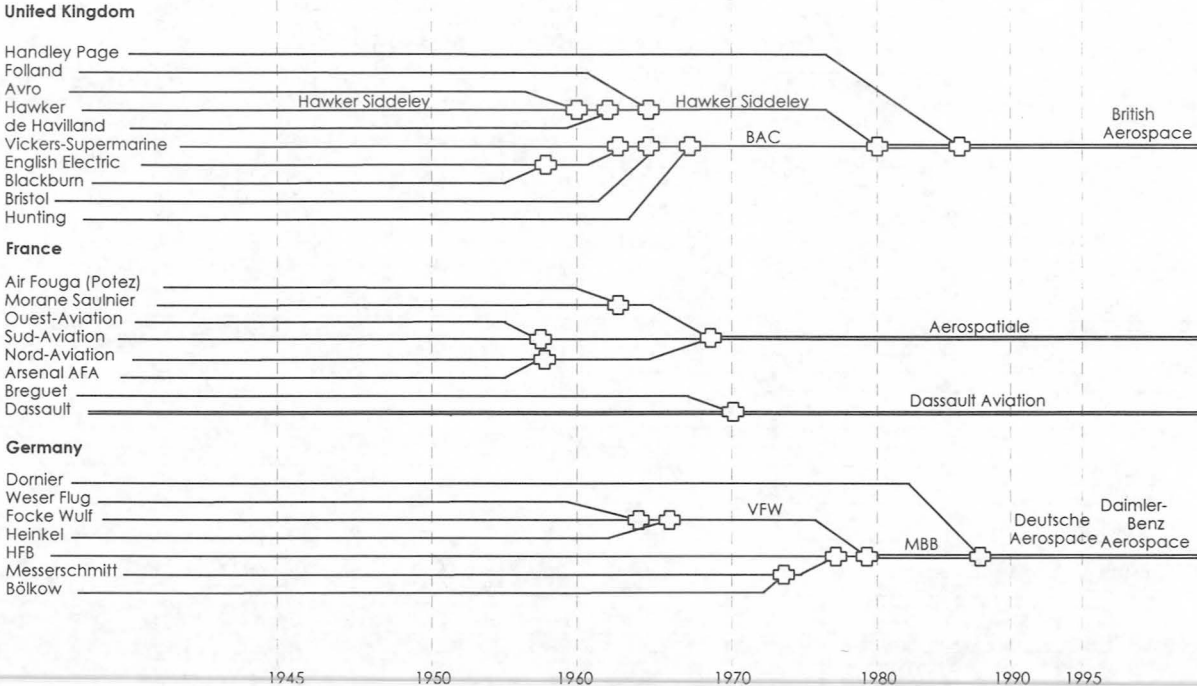
at End-of-Year

#	Name	Country	1996 f	1995 e	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	Notes
1	LOCKHEED MARTIN CORPORATION	US		158,000	170,000										
2	THE BOEING COMPANY	US		105,000	117,331	126,636	143,543	157,792	160,932	165,787	154,076	144,594	129,546	114,283	1) Annual Average figures
3	DAIMLER-BENZ AEROSPACE GROUP	DE	52,383	59,614	75,581	86,086	81,872	56,465	61,276	62,959					
4	MCDONNELL DOUGLAS CORPORATION	US			65,760	70,000	87,377	109,123	121,190	127,926	121,421	112,400	105,696	97,067	
5	BRITISH AEROSPACE PLC ¹	GB			45,700	54,000	63,600	67,300	75,300	78,000	84,300	83,600	74,300	74,400	
6	HAL - HINDUSTAN AERONAUTICS LTD.	IN			45,000	40,336	40,694	41,530	42,678	43,663	44,043	44,123	42,993		
7	NORTHROP GRUMMAN CORPORATION	US			42,400	30,000	33,200	36,200	38,200	41,000	44,600	48,200	46,800	46,900	
8	AEROSPATIALE	FR		38,666 a	39,556	43,913	46,110	43,287	42,701	36,899	39,898	41,216	42,920	43,219	
9	SNECMA GROUP	FR			23,143	24,268	25,692	26,684	27,842	25,851	25,399	25,287	25,892	25,963	
10	ROLLS-ROYCE PLC	GB	24,200	25,800	22,700	25,900	29,500	31,400	36,500	38,300	36,100	37,300	37,700	37,400	
11	THOMSON-CSF	FR			13,100	10,500	9,400	8,500	9,700	8,000	11,000	14,000	13,800	13,200	
12	ISRAEL AIRCRAFT INDUSTRIES LTD (IAI)	IL	12,000	12,100	12,300	12,900	16,500	17,213	16,904	16,612	17,291	20,270	21,483	22,070	
13	HUNTING AVIATION LTD	GB			12,231	11,582	6,027	5,486	5,466	5,047	3,850	4,558			
14	EUROCOPTER S.A.	FR			10,057	10,513	11,562	12,110							
15	DASSAULT AVIATION	FR		9,500 a	9,500	10,250	11,291	12,197	12,786	13,726	13,818	14,676	15,783	16,123	
16	C.A.S.A. (INI)	ES			8,300	8,500	8,999	9,338	9,544	10,138	10,370	10,548	10,591	10,238	
17	LAGARDERE GROUP	FR			8,149	8,048	8,149	8,100	8,000	5,086	4,747	5,017	4,933	4,846	
18	SEQUA	US			6,950										
19	SAAB AB	SE		6,961	6,816	7,120	6,545	6,909	7,166	6,475	6,489	6,556	6,702	6,443	
20	ROHR INC.	US		4,900	6,464	9,230	11,200	11,500	12,000	12,000	11,000	10,000	8,000	7,600	
21	EMBRAER SA	BR			5,576	5,882	5,891	8,353	9,007	12,607	12,069	10,157	8,592	7,736	
22	SIMERA - DIVISION OF DENEL (PTY) LTD	ZA			3,450	3,780	4,031								
23	HAI - HELLENIC AEROSPACE INDUSTRY LTD.	GR		2,907	2,981	3,021	3,117	3,313	3,381	3,260	3,134	3,011	3,074	3,169	
24	ASTA - AEROSPACE TECHNOLOGIES OF AUSTRALIA	AU			1,800	2,100	2,200	1,900	1,950	1,800				2,337	
25	OGMA - INDUSTRIA AERONAUTICA DE PORTUGAL, S.A.	PT	1,400	1,450	1,680	2,319	2,385	2,576	2,706	2,761	2,666	2,495	2,486	2,431	
26	SONACA S.A.	BE	928	1,128	1,139	1,172	1,292	1,400	1,440	1,425	1,380	1,380	1,380	1,337	
27	ALLIEDSIGNAL INC.	US													
28	BF GOODRICH AEROSPACE	US													
29	BOMBARDIER INC.	CA				21,300	21,600	17,000	16,200	13,300	5,515	5,484	5,386		
30	FINMECCANICA S.P.A.	IT				17,054	17,855								
31	GEC-MARCONI LTD	GB													
32	HARRIS CORPORATION	US													
33	HONEYWELL INC.	US													
34	ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO.	JP				3,500	3,650	3,650	3,600	3,600	3,550	3,500	3,200	3,500	
35	IIT CORPORATION	US													
36	KAWASAKI HEAVY INDUSTRIES, LTD	JP				4,500	4,700	4,800	4,900	5,300	4,000	3,900	3,900	3,700	
37	LITTON INDUSTRIES INC	US				15,722	16,763	18,305	20,682	22,732	24,398	24,689	25,541	25,106	
38	LORAL CORPORATION	US													
39	MTSUBISHI HEAVY INDUSTRIES, LTD	JP					6,400	6,480	6,650	6,500	6,470	6,480	6,200	6,270	
40	OERLIKON-BÜHRLE HOLDING LTD	CH													
41	RAYTHEON	US													
42	ROCKWELL INTERNATIONAL CORPORATION	US					17,085	25,227	25,142	31,517	32,574	34,408	41,100	45,700	
43	SAMSUNG AEROSPACE INDUSTRIES Ltd.	KR													
44	TELEDYNE INC.	US													
45	TEXAS INSTRUMENTS INC	US													
46	TEXTRON INC.	US													
47	THIokol CORPORATION	US													
48	TRW INC	US					18,800	23,000	25,400	27,500	28,300	30,800	28,100	38,400	
49	UTC - UNITED TECHNOLOGIES CORP.	US													
50	WESTINGHOUSE ELECTRIC CORPORATION	US													

a = Actual; e = Estimate; f = Forecast

Source: Manufacturers; General Press

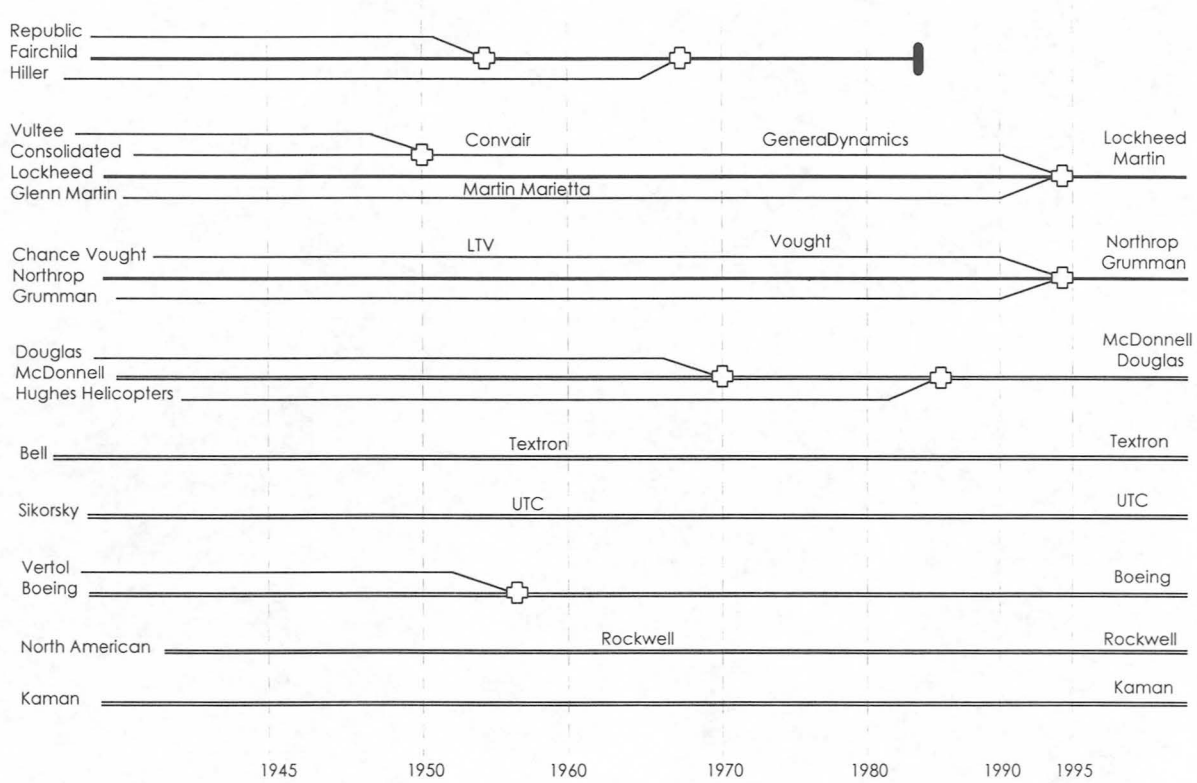
EUROPE MERGERS AND ACQUISITIONS



Source: General Press

CHART 14.2

USA MERGERS AND ACQUISITIONS



Source: General Press

Chapter 15

Joint European Programmes

TABLE 15.1

JOINT CIVIL AIRCRAFT PROGRAMMES WITH EUROPEAN PARTICIPATION

Consortium	Airbus	Airtech	ATR	Egrett	SATIC							SST studies (several programmes)	UHCA/ VLCT (NLA)
Programme		CN-235		G-520 Strato 1	Beluga	BK 117	Cryoplane	EC 120	EUROFAR	Mi-38	NOGA VI		
Aircraft Type	airliners	TBP multi- purpose	TBP regional transport	high- altitude surveil.	transport aircraft	multi- purpose helicopter	hydrogen / gas powered airliner	light helicopter	tilt-rotor transport	transport helicopter	business jet	supersonic airliner	airliner
Manufacturer	Country												
Aedeco	FR											X	
Aerospatiale / Eurocopter France	FR	38 %	50 %		50 %				46 %			X	X
Airbus Industrie GIE	EU	X			X								X
Alenia	IT		50 %									X	
Boeing	US											X	X
British Aerospace	GB	20 %										X	X
Catic	CN							24 %					
CASA	ES	4 %	50 %										X
Daimler-Benz Aerospace / Eurocopter Deutschland	DE	38 %			50 %		X		22 %			X	X
E-Systems	US			X									
Eurocopter SA	EU					X		61 %		X			
Garrett	US			X									
Grob	DE			X									
IAR	RO										X		
IPTN	ID	50 %											
Japan Aircraft Development Corp.(Fuji, KHI, MHI)	JP											X	X
Kawasaki	JP					X							
Kazan	KZ									X			
Klimov	RU									X			
McDonnell Douglas	US											X	
Mil	RU									X			
ONERA	FR											X	
Singapore Aerospace	SG							15 %					
Tupolev	RU						X					X	
Westland	GB								32 %				

Source: Manufacturers: General Press

TABLE 15.2

JOINT MILITARY AIRCRAFT PROGRAMMES WITH EUROPEAN PARTICIPATION

Consortium	AMX Int'l	EHI	Eurocopter	Eurofighter EFA (EF2000)	Euroflag	Europatrol	MRTT	NH	Panavia							
Programme	AMX	EH 101	Tiger	(EF2000)	FLA			NH 90	Tornado	Alpha Jet	Atta 3000	EFM	Harrier II / II+	PTS-2000	Ranger 2000	
Aircraft Type	attack/ plural- purpose	multi-role helicopter	attack helicopter	attack aircraft	transport aircraft	AEW aircraft	tanker/ transport	multi-role helicopter	plural- purpose	plural purpose	trainer	combat/ manouv.	attack aircraft	training system	trainer	
Manufacturer	Country															
Aermacchi	IT	X														X
Aerospatiale / Eurocopter France	FR		70 %		20 %		X	42 %								
Agusta	IT		50 %					27 %								
Airbus Industrie GIE	Int'l						X									
Alenia	IT	47 %		21 %	20 %	X			15 %							
British Aerospace	GB			33 %	20 %	X	X		43 %					40 %		
CASA	ES			13 %	20 %	X										
Daimler-Benz Aerospace / Eurocopter Deutschland	DE		30 %	33 %	20 %	X	X	24 %	43 %			X		X	X	
Dassault	FR					X										
Dornier	DE									X						
Embraer	BR	X														
Fokker	NL					X		7 %								
McDonnell Douglas	US													60 %		
MiG	RU										X					
Promavia	BE										X					
Rockwell	US											X				X
Westland	IT		50 %													

Source: Manufacturers; General Press

TABLE 15.3

JOINT TURBO ENGINE PROGRAMMES WITH EUROPEAN PARTICIPATION

Consortium	CFM	Eurojet	IAE	MTR	RTM		Turbo-Union	Williams Rolls	CF6 series		BR715	GE90	JT8D-200	PW 2037 series	PW 4052, 4168 series	PW 4084 series	RB.211-524	SST Engine (several programmes)	Tay	Trent series		
	Int'l				Adour	RTM 322			CF6-80C2	other												
	Programme	CFM-56 - series	EJ200	IAE V2500	MTR 390	Adour	RTM 322	RB199	FJ44	CF6-80C2	other	BR715	GE90	JT8D-200	PW 2037 series	PW 4052, 4168 series	PW 4084 series	RB.211-524	SST Engine (several programmes)	Tay	Trent series	
Engine Type	fan	fan, mil.	fan	shaft	fan	shaft	fan, mil.	fan	fan	fan	fan	fan	jet	fan	fan	fan	fan	supersonic	fan	fan		
Manufacturer	Country																					
Alfa Romeo Avio	IT																				3 %	
AMS Precision Engineering	US																					
BMW Rolls-Royce	DE																					
Celma	BR																					
Eldim	NL																					
Fiat Avio	IT																				21 %	6 %
General Electric	US																					
Hispano-Suiza	ES																					
Ishikawajima-Harima Heavy Industries (IHI)	JP																					
IIP	ES																				13 %	
JAE - Japanese Aero Engines (IHI, KHI, MHI)	JP																					23 %
Kawasaki Heavy Industries (KHI)	JP																					
Lucas	GB																					
Mitsubishi Heavy Industries (MHI)	JP																					
MTU	DE																				33 %	11 %
Norsk Jetmotors	NO																					
Pratt & Whitney	US																					30 %
Rolls-Royce	GB																				33 %	30 %
Samsung Aerospace	KR																					
Simera	ZA																					
Snecma	FR																				X	
Techspace Aero	BE																					
Turbomeca	FR																					33 %
Volvo Aero	SE																					
Williams International	US																					

Source: Manufacturers; General Press

TABLE 15.4

JOINT SPACE AND MISSILES PROGRAMMES WITH EUROPEAN PARTICIPATION

	Consortium	Arianespace	Globalstar	Helios I	Helios II	Euromissile	Euromissile Dynamics Group
Manufacturer	Type	launcher	global telephone system	military reconnaissance	military reconnaissance	missile	missile
	Country						
Aerospatiale	FR	7.8 %	X	X	X	50.0 %	33.3 %
Alcatel	FR		X	X	X		
Alenia	IT		X	X	X		
BPD Dipsa e Spazio	IT	5.5 %					
British Aerospace	GB						33.3 %
CASA	ES	1.8 %		X	X		
CNES	FR	32.2 %					
Daimler-Benz Aerospace	DE	7.6 %	X		X	50.0 %	33.3 %
Fokker Space and Systems	NL	1.8 %					
MAN Technologie	DE	7.5 %					
Matra Marconi Space	GB	1.9 %		X	X		
Others	-	22.1 %					
SABCA	BE	2.5 %					
SEP	FR	7.8 %					
Valvo Aero Corporation	SE	1.5 %					

Source: Manufacturers; General Press

Appendices

AVERAGE ANNUAL ECU EXCHANGE RATES

1 ECU =

	AT OS	BE BEC	DE DM	DK DKR	ES PTA	FI FMK	FR FF	GB UKL	GR DRA	IE IRL	IT LIT	LU LUF	NL HFL	PT ESC	SE SKR	CH SFR	AU AUD	CA CAD	JP YEN	US 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	13.181	38.547	1.8736	7.3271	163.00	5.7092	6.5247	0.829	303.01	0.816	2,131.5	38.547	2.0987	196.12	9.3337	1.5455	1.7660	1.7953	122.90	1.3083
1996 f	13.226	38.634	1.8797	7.2813	159.88	5.6903	6.4766	0.853	319.70	0.820	2,108.8	38.634	2.1047	197.09	8.7202	1.5183	1.7754	1.7894	132.31	1.3079
1997 f	13.226	38.634	1.8797	7.2813	159.88	5.7490	6.4766	0.863	335.48	0.820	2,158.3	38.634	2.1047	197.09	8.8427	1.5183	1.8015	1.7997	131.66	1.3152

f Forecast

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

Source: Commission Services

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	24.7	180.5	15.5	36.9 r	10.7	139.8	121.2	11.7	4.0 r	105.1	1.2 r	33.3	6.9 r	32.9	680.6 r	738.4	38.5	82.6	199.3	989.6
1971	16.0	27.2	205.7	16.9	40.9 r	11.5	153.2	134.4	12.6	4.5	112.7	1.2 r	38.0	7.6 r	35.1	754.9 r	817.4	42.5	91.3	221.8	1,048.1 r
1972	18.5	31.3	230.1	19.4	48.4 r	12.6	174.6	143.6	13.5	5.2	122.0	1.4 r	43.6	8.6 r	38.6	841.7 r	911.4	47.6	97.1	272.0	1,076.8
1973	22.5	36.7	280.0	23.3	58.5 r	15.2	206.6	147.5	15.7	5.6	135.0	1.7 r	52.2	10.6 r	42.6	973.5 r	1,053.8	61.9	102.6	337.7	1,096.4 r
1974	27.5	44.8	318.8	26.9	74.7 r	19.9	229.6	163.0	18.9	6.1 r	154.3	2.2 r	64.1	12.9 r	48.5	1,116.4 r	1,212.3	77.4	128.4	395.2	1,215.0
1975	30.5 r	49.8	336.7	30.4	85.9 r	22.6 r	276.0	188.6	20.2	7.0	171.2 r	2.1 r	71.4	13.6 r	59.2	1,252.9 r	1,365.1	81.0	134.8	411.2	1,279.5
1976	36.2	59.7	398.0	37.2	97.2 r	27.1 r	318.2	201.1	24.2	7.8 r	188.0	2.5 r	86.8 r	15.9 r	70.7	1,436.5 r	1,570.4	95.9	178.1	502.9	1,583.4 r
1977	42.3	68.1	451.3	40.7	106.2 r	28.0 r	342.1	222.8	27.4	9.1 r	213.0 r	2.7 r	99.9	16.3 r	73.1	1,599.7 r	1,743.1	92.7	178.0	607.0	1,731.1
1978	45.6	74.6	502.2	44.4	115.8 r	27.2 r	380.3	253.3	29.8	10.6 r	234.7	3.1 r	109.7	16.0 r	72.6	1,774.3 r	1,919.7	97.5	164.8	765.3	1,749.9
1979	50.2	79.4	552.9	48.1	143.5 r	31.1 r	425.6	306.1	33.8	12.3 r	272.2	3.3 r	117.0 r	16.9 r	79.6	2,011.1 r	2,172.0	100.3	170.7	737.4	1,813.9
1980	55.4	85.0	583.2	47.8	152.1 r	37.0 r	478.5	386.4	34.6	14.4 r	326.0	3.6 r	124.1	20.5 r	90.3	2,256.2 r	2,438.8	114.7	189.2	762.4	1,945.1
1981	59.6	86.7	610.6	51.5	166.0 r	45.2 r	524.0	459.7	39.9	17.1 r	367.4 r	3.7 r	129.4 r	24.9 r	103.2	2,480.9 r	2,689.0	162.9	264.2	1,051.3	2,719.2 r
1982	67.9	87.0	668.4	56.9	183.4 r	51.7 r	563.8	496.5 r	47.3	20.2 r	411.8	3.9 r	143.6 r	27.0 r	103.5	2,709.8 r	2,932.9	178.1	307.7	1,111.1	3,217.8
1983	75.2	90.8	734.9	63.0	176.7 r	54.9 r	591.7	517.1	47.3	21.6 r	469.2	4.2 r	152.8 r	26.5 r	104.4	2,895.9 r	3,130.4	197.4	366.8	1,333.2	3,812.9 r
1984	81.1	97.6	782.3	69.4	201.6 r	64.5 r	634.8	550.0	51.7	23.6 r	525.4	4.6 r	161.4 r	27.7 r	122.5	3,130.1 r	3,398.2	241.0 r	432.4	1,606.4	4,769.7 r
1985	86.2	105.7	818.9	76.7	218.4	70.6 r	691.7	604.7	52.4	26.0 r	559.8	5.0 r	169.5 r	30.8 r	132.9	3,359.5 r	3,649.3	219.7 r	455.2	1,774.6	5,263.7 r
1986	95.1	114.0	904.7	84.0	235.2	71.3 r	745.5	571.3	48.2	26.9 r	615.6	5.6 r	182.4 r	34.2 r	135.4	3,567.4 r	3,869.2	179.0	366.7	2,028.0 r	4,298.8 r
1987	101.7	121.1	960.9	88.8	254.2	76.4	770.2	598.8	48.2	27.2	658.1	5.9 r	188.9 r	36.2 r	140.0	3,758.4 r	4,076.5	181.5 r	357.3	2,091.4	3,895.0 r
1988	107.4	128.1	1,010.4	92.1	291.8 r	87.9	815.1	707.0	54.2	29.3 r	710.2	6.5 r	196.0 r	40.6 r	153.9	4,081.4 r	4,430.5	224.4 r	412.7	2,452.3	4,104.9
1989	114.8	138.9 r	1,074.5	95.3	345.4	103.1	877.0	763.8	60.5	32.7	790.1	7.5 r	207.7 r	46.9 r	173.6	4,440.4 r	4,832.0	265.9 r	494.6	2,607.6	4,723.9 r
1990	124.7	151.2 r	1,182.2	101.7	387.5 r	106.2 r	941.5	769.6	64.4	35.4 r	862.1	8.3 r	223.4 r	52.9 r	180.8	4,780.3 r	5,192.0	232.6 r	446.2 r	2,311.5	4,310.9 r
1991	133.5 r	159.5 r	1,391.5	104.7 r	427.6 r	98.1 r	971.7 r	818.2	70.4	36.8 r	932.3	8.9 r	234.8 r	62.6 r	193.5	5,218.9 r	5,644.1	243.4 r	470.1 r	2,710.6 r	4,564.7 r
1992	144.0 r	170.7	1,522.3	109.0 r	445.8 r	82.1 r	1,023.7 r	807.1 r	73.8	39.4	942.6 r	9.8 r	248.9 r	73.4 r	191.4 r	5,466.5 r	5,884.0	228.2 r	434.4	2,820.2 r	4,573.8 r
1993	155.9 r	179.6 r	1,629.3 r	115.0 r	408.4	72.0 r	1,067.7 r	805.6 r	76.7	40.2 r	841.9 r	10.7 r	266.2 r	72.3 r	158.1 r	5,513.7 r	5,899.8	246.8 r	466.6 r	3,580.4 r	5,345.8 r
1994	167.1 r	192.3 r	1,725.3 r	123.7 r	406.6 r	82.0 r	1,120.5 r	858.6 r	80.5 r	43.8 r	856.9 r	11.6 r	281.9 r	73.9 r	166.4 r	5,775.7 r	6,191.2	278.9 r	456.5 r	3,867.8 r	5,590.3 r
1995	180.4	206.8	1,845.8	134.8	427.9	96.6	1,185.6	843.7	85.1	46.4	826.2	12.7	304.4	80.2	175.9	6,452.7	7,145.9	273.1	426.1	3,813.3	5,342.9
1996 f	188.1	215.7	1,927.5	142.8	466.7	103.9	1,247.8	864.8	88.7	49.9	894.5	13.5	315.5	85.7	199.0	6,804.2	7,145.9	290.0	444.2	3,656.1	5,574.4
1997 f	197.5	226.4	2,032.0	151.3	500.0	109.7	1,306.3	901.7	92.5	53.7	932.2	14.3	329.4	91.9	207.0	7,145.9	7,145.9	303.8	464.2	3,814.3	5,843.6

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	94.0	752.5	67.7	219.8	55.4	551.8	530.0	37.0	16.0	511.2	4.7	140.8	28.8	132.1	2,962.7	3,227.4	130.6	230.6	1,118.4	2,693.2
1971	77.2	97.5	775.5	69.5	230.0	56.5	578.2	540.5	39.7	16.6	519.4	4.9	146.7	30.7	133.4	3,059.3	3,330.0	136.9	243.9	1,166.1	2,769.0
1972	81.9	102.6	808.5	73.2	248.7	60.9	603.8	559.6	43.2	17.6	533.4	5.2	151.6	33.2	136.4	3,190.4	3,472.6	142.2	257.8	1,262.0	2,899.7
1973	85.9	108.7	847.0	75.9	268.1	64.9	636.7	597.3	46.4	18.5	571.3	5.6	158.7	36.9	141.8	3,378.0	3,673.7	148.8	277.6	1,358.2	3,047.1
1974	89.3	113.1	848.7	75.2	283.2	66.9	656.5	589.1	44.7	19.3	602.4	5.8	164.9	37.3	146.4	3,443.2	3,748.6	151.6	289.8	1,349.9	3,025.7
1975	89.0	111.4	838.0	74.7	284.7	67.7	654.7	588.5	47.4	20.3	586.4	5.5	164.8	35.7	150.1	3,416.6	3,726.2	156.1	297.3	1,388.5	2,995.9
1976	93.1	117.6	882.6	79.5	294.1	67.4	682.4	601.7	50.4	20.6	625.0	5.6	173.2	38.2	151.7	3,576.8	3,891.8	160.6	315.5	1,446.9	3,140.2
1977	97.3	118.2	907.8	80.8	302.5	67.6	704.4	614.7	52.1	22.3	646.1	5.7	177.2	40.3	149.3	3,677.2	3,993.1	162.3	326.8	1,515.1	3,282.3
1978	97.4	121.4	935.0	82.0	306.9	69.0	728.0	636.7	55.6	23.9	669.8	5.9	181.6	41.4	151.9	3,792.8	4,112.7	171.3	341.8	1,588.9	3,441.1
1979	102.0	124.0	974.5	84.9	307.0	73.8	751.6	654.2	57.7	24.6	709.9	6.1	185.9	43.7	157.7	3,927.0	4,261.8	174.9	355.1	1,676.9	3,526.8
1980	105.0	129.4	984.0	84.5	311.0	77.7	763.8	643.5	58.7	25.4	740.0	6.1	187.5	45.7	160.4	3,979.1	4,323.0	181.0	360.4	1,737.8	3,512.8
1981	104.7	128.1	985.0	83.8	310.5	79.2	772.8	635.1	58.7	26.2	744.1	6.1	186.3	46.5	160.4	3,981.7	4,326.5	185.1	373.7	1,800.0	3,590.1
1982	105.8	130.1	975.7	86.3	315.3	81.7	792.5	644.9	58.9	26.8	745.7	6.1	183.6	47.5	162.0	4,014.2	4,364.1	182.0	361.6	1,856.9	3,512.6
1983	107.9	130.7	992.9	88.5	322.3	83.9	798.0	667.8	59.2	26.7	752.9	6.3	186.2	47.4	164.8	4,081.4	4,438.5	193.0	373.2	1,907.0	3,639.2
1984	109.4	133.5	1,020.8	92.3	327.1	86.5	808.5	684.5	60.8	27.9	773.1	6.7	192.0	46.5	171.5	4,177.5	4,544.8	202.8	397.0	1,988.4	3,881.7
1985	112.1	134.7	1,041.6	96.3	335.6	89.4	823.7	708.7	62.7	28.8	793.2	6.9	197.0	47.8	174.8	4,280.7	4,657.1	210.5	415.8	2,087.5	4,003.9
1986	113.4	136.5	1,066.0	99.8	346.3	91.5	844.4	739.8	63.7	28.8	816.4	7.2	202.4	49.8	178.8	4,405.5	4,789.4	216.2	429.4	2,142.3	4,115.2
1987	115.3	139.2	1,081.7	100.1	365.9	95.2	863.4	775.1	63.4	30.2	842.0	7.5	205.3	52.6	184.4	4,526.7	4,921.7	227.3	447.1	2,230.3	4,242.1
1988	119.9	146.0	1,122.0	101.3	384.8	99.9	902.3	813.7	66.2	31.5	876.2	7.9	210.6	55.6	188.6	4,716.7	5,125.4	237.5	469.3	2,368.7	4,409.2
1989	124.5	151.0	1,162.7	101.8	403.0	105.6	940.6	831.4	68.9	33.4	902.0	8.4	220.5	58.8	193.1	4,880.9	5,304.6	244.5	480.5	2,480.4	4,529.4
1990	129.8	156.0	1,229.0	103.3	418.1	105.6	964.2	834.7	68.2	36.0	921.3	8.7	229.6	61.3	195.7	5,029.1	5,460.6	242.7	479.1	2,599.9	4,585.5
1991	133.5	159.5	1,391.5	104.7	427.6	98.1	971.7	818.2	70.4	36.8	932.3	8.9	234.8	62.6	193.5	5,218.9	5,644.1	243.4	470.1	2,710.6	4,564.7
1992	136.2	162.4	1,422.1	105.5	430.4	94.6	984.8	813.8	70.9	38.3	939.1	9.1	239.5	63.3	190.8	5,279.4	5,701.0	251.3	473.2	2,740.5	4,677.9
1993	136.7	159.8	1,405.6	107.1	425.4	93.5	970.4	832.1	70.5	39.4	928.1	9.1	240.1	62.6	185.9	5,249.0	5,665.4	262.0	483.9	2,734.9	4,837.1
1994	140.9	163.3	1,445.9	111.9	434.4	97.3	996.5	864.0	71.6	42.1	948.3	9.5	246.5	63.3	189.9	5,396.0	5,824.3	275.1	506.1	2,749.1	5,034.5
1995	144.3	167.0	1,475.6	115.7	447.4	102.0	1,024.7	886.8	72.8	44.9	978.2	9.8	253.8	64.9	196.9		5,981.4	284.2	517.1	2,759.0	5,196.8
1196 f	147.9	170.7	1,511.0	118.6	460.2	106.5	1,048.9	910.9	74.1	47.5	1,007.2	10.2	260.1	66.9	202.1		6,136.9	293.6	527.6	2,822.3	5,316.7
1997 f	152.0	175.1	1,558.4	122.5	475.0	110.8	1,077.9	935.9	75.8	49.7	1,036.1	10.5	267.4	69.1	207.2		6,317.7	302.4	542.3	2,896.3	5,487.2

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	31.8	43.8	22.1	9.3	16.5	20.6	13.9	4.3	13.7	8.6	30.0	37.9	3.9	17.6	19.7	19.8	16.9	27.0	39.4	30.3
1971	37.7	33.6	47.1	23.8	10.0	17.8	21.9	15.2	4.4	15.2	9.2	29.8	41.0	4.1	18.9	21.1	21.3	18.0	27.9	41.6	32.0
1972	40.6	35.7	49.6	26.0	10.9	19.3	23.5	16.4	4.7	17.2	9.8	31.5	44.8	4.4	20.2	22.6	22.8	19.8	29.5	44.0	33.6
1973	43.8	38.3	52.8	28.8	12.2	22.0	25.4	17.7	5.6	19.8	11.0	35.3	48.9	4.9	21.6	24.6	24.8	22.6	32.1	49.7	35.8
1974	48.0	43.1	56.5	32.6	14.1	26.9	28.5	20.3	6.7	21.0	13.2	41.3	53.3	5.8	23.7	27.7	27.8	26.9	36.7	59.7	39.0
1975	51.1	48.3	59.7	36.6	16.5	30.5	32.2	25.6	7.6	25.3	15.4	41.0	58.8	6.7	27.1	31.4	31.6	30.9	40.3	64.2	42.8
1976	54.0	51.9	61.9	40.0	19.2	34.6	35.7	29.6	8.7	30.6	18.2	46.0	64.0	7.8	30.3	34.8	35.0	34.3	43.8	69.1	45.5
1977	56.7	55.8	64.2	43.7	23.7	38.0	39.0	33.8	9.9	34.6	21.6	46.5	68.3	9.9	33.5	38.5	38.7	36.9	46.6	73.6	48.6
1978	59.9	58.3	66.9	48.0	28.6	41.2	43.0	37.7	11.1	38.3	24.7	48.9	72.0	12.1	36.7	42.2	42.3	39.8	49.4	77.3	52.3
1979	62.4	60.9	69.5	51.7	33.5	44.9	47.3	43.1	13.2	43.6	28.5	52.0	74.8	14.5	39.6	46.3	46.3	44.2	54.4	79.4	56.9
1980	65.7	63.2	72.9	55.9	38.0	49.2	52.7	51.3	15.5	50.1	34.2	56.1	79.1	17.5	44.3	51.6	51.6	48.7	60.1	83.0	62.2
1981	69.9	66.2	76.0	61.6	42.7	54.7	58.7	57.1	18.6	58.8	40.7	60.2	83.4	20.6	48.5	57.0	56.9	53.7	66.6	86.1	68.2
1982	74.3	70.8	79.4	68.1	48.7	59.6	65.6	61.5	23.3	67.8	47.7	66.7	88.4	24.8	52.5	62.7	62.5	59.4	72.4	87.5	72.4
1983	77.2	74.8	81.9	73.3	54.4	64.7	72.0	64.8	27.7	75.1	54.9	71.2	90.1	30.9	57.8	67.7	67.4	63.5	75.9	88.7	75.3
1984	80.9	78.7	83.6	77.4	60.7	70.4	77.4	67.7	33.4	79.9	61.2	74.4	91.8	38.5	62.2	72.0	71.8	67.0	78.3	90.8	78.2
1985	83.4	83.5	85.4	80.8	65.4	74.2	81.8	71.7	39.3	84.1	66.6	76.6	93.5	46.9	66.3	76.0	75.8	71.7	80.3	92.2	81.0
1986	86.9	86.6	88.1	84.4	72.6	77.6	86.1	74.0	46.1	89.0	71.9	80.8	93.6	56.5	70.8	80.0	79.8	76.9	82.3	93.8	83.0
1987	89.1	88.7	89.7	88.4	76.9	81.2	88.6	77.6	52.7	90.9	76.2	80.9	92.9	62.8	74.2	83.0	82.8	82.7	86.1	93.8	85.5
1988	90.5	90.2	91.1	91.4	81.2	86.9	91.2	82.4	60.9	94.0	81.3	84.7	94.0	69.6	79.0	86.4	86.2	89.9	90.2	94.2	88.8
1989	93.1	94.6	93.3	95.3	87.0	92.2	93.9	88.2	69.8	99.1	86.3	91.7	95.2	77.5	85.4	90.4	90.3	95.2	94.6	95.9	92.7
1990	96.2	97.4	96.3	97.8	93.4	97.6	96.8	93.9	84.5	98.3	92.9	96.3	97.4	87.5	92.9	95.0	95.0	98.2	97.4	98.1	96.6
1991	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	100.0	100.0
1992	104.1	103.5	105.5	102.0	106.8	100.7	102.1	104.4	114.2	102.0	104.5	105.7	102.3	113.5	101.0	104.5	104.3	101.0	101.4	101.5	102.4
1993	107.7	107.8	109.4	103.1	111.4	103.1	104.7	107.7	129.7	106.2	108.9	112.2	104.4	121.9	103.7	108.3	108.1	102.1	102.6	102.3	104.4
1994	111.3	110.6	112.0	105.5	115.8	104.3	106.2	110.0	143.9	107.5	112.9	114.6	106.8	128.7	107.3	111.1	110.9	103.5	103.2	102.5	106.6
1995	114.2	113.1	114.3	108.0	121.3	108.1	108.3	112.5	157.2	109.6	117.3	118.3	108.9	135.7	111.5		114.0	106.6	104.2	102.1	108.5
1196 f	116.6	115.7	116.9	110.8	126.2	111.0	110.5	115.5	169.8	112.3	122.1	121.4	110.5	141.3	114.8		117.1	110.3	106.1	102.9	110.7
1997 f	119.1	118.3	119.5	113.7	131.0	113.7	112.6	118.6	181.9	115.3	126.7	124.6	112.2	146.7	118.1		120.1	113.8	108.5	104.1	113.0

f Forecast

Source: Commission Services

Please send me _____ copies of the next edition (1997)

Ms / Mr

Surname _____

First Name _____

Position _____

Department _____

Company / Organization _____

Street - P.O.Box _____

Postal Code - Town _____

Country _____

Comments _____

To be returned to:

EC - DGIII/D/4 - Transport Equipment (Aerospace Unit), SC15 4/180

200, rue de la Loi - BE-1049 Brussels - Belgium

Please send me _____ copies of the next edition (1997)

Ms / Mr

Surname

First Name

Position

Department

Company / Organization

Street - P.O.Box

Postal Code - Town

Country

Comments

To be returned to:

EC - DGIII/D/4 - Transport Equipment (Aerospace Unit), SC15 4/180

200, rue de la Loi - BE-1049 Brussels - Belgium