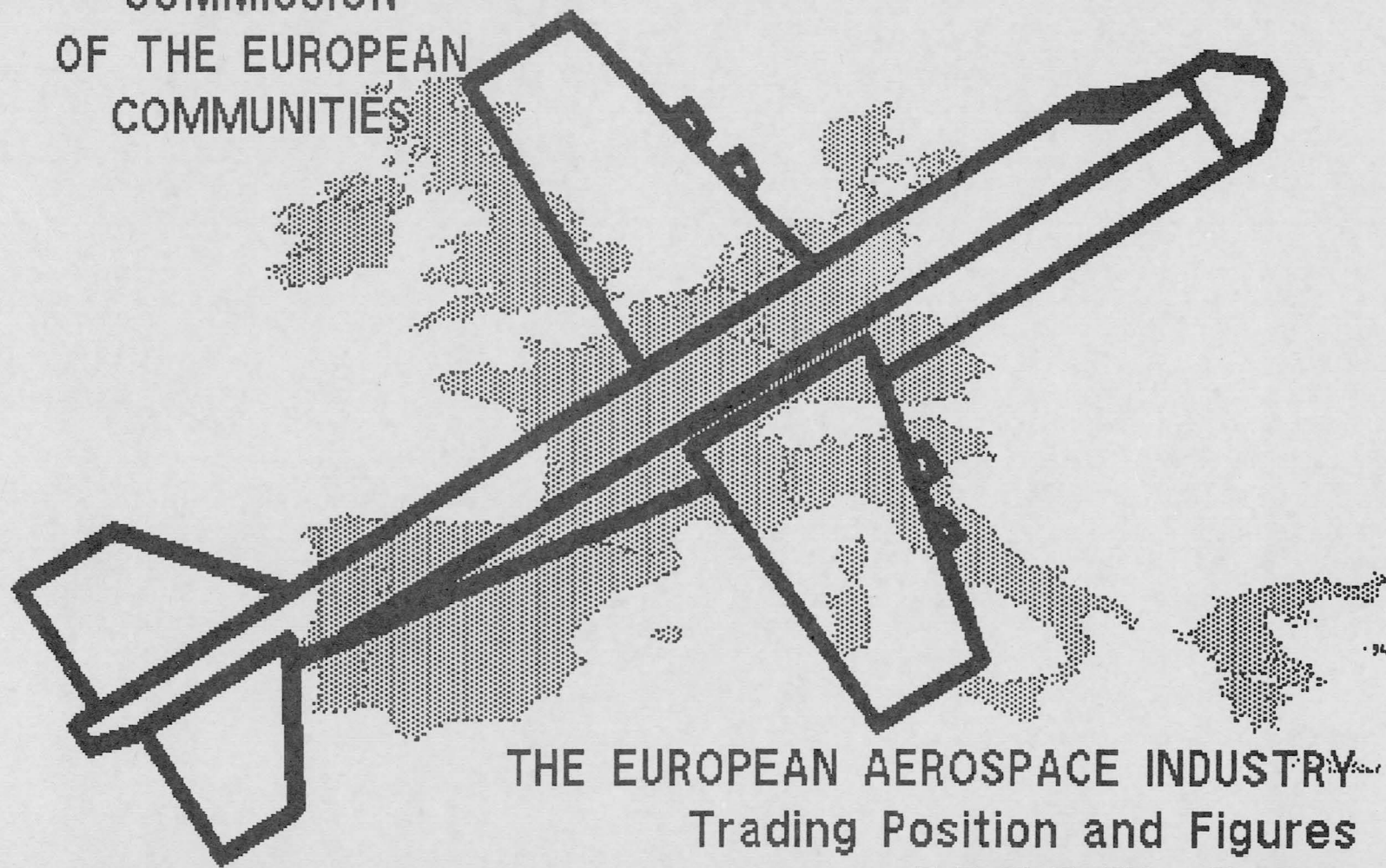


COMMISSION
OF THE EUROPEAN
COMMUNITIES



THE EUROPEAN AEROSPACE INDUSTRY
Trading Position and Figures
1989 Update

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COMMISSION
OF THE EUROPEAN
COMMUNITIES

Directorate-General
Internal Market and Industrial Affairs

III/4099/89
Brussels, 1 August 1989

THE EUROPEAN AEROSPACE INDUSTRY

TRADING POSITION AND FIGURES

X

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(Commission Staff Working Paper)

P R E F A C E

We have the pleasure to present you with this update to the 1989 edition of the document

"The European aerospace industry - Trading position and figures".

which has been compiled by the Directorate-General for the **INTERNAL MARKET AND INDUSTRIAL AFFAIRS** since 1972.

This document includes updates and estimates for 1987 and 1988 for the turnover and employment of the aerospace industry (16 February 1989). Updates are based on information received by the Commission since the last edition. Estimates for the EC aerospace industry are compiled using linear estimates performing a least-squares approximation to indicators such as turnover and employment of the major aerospace companies.

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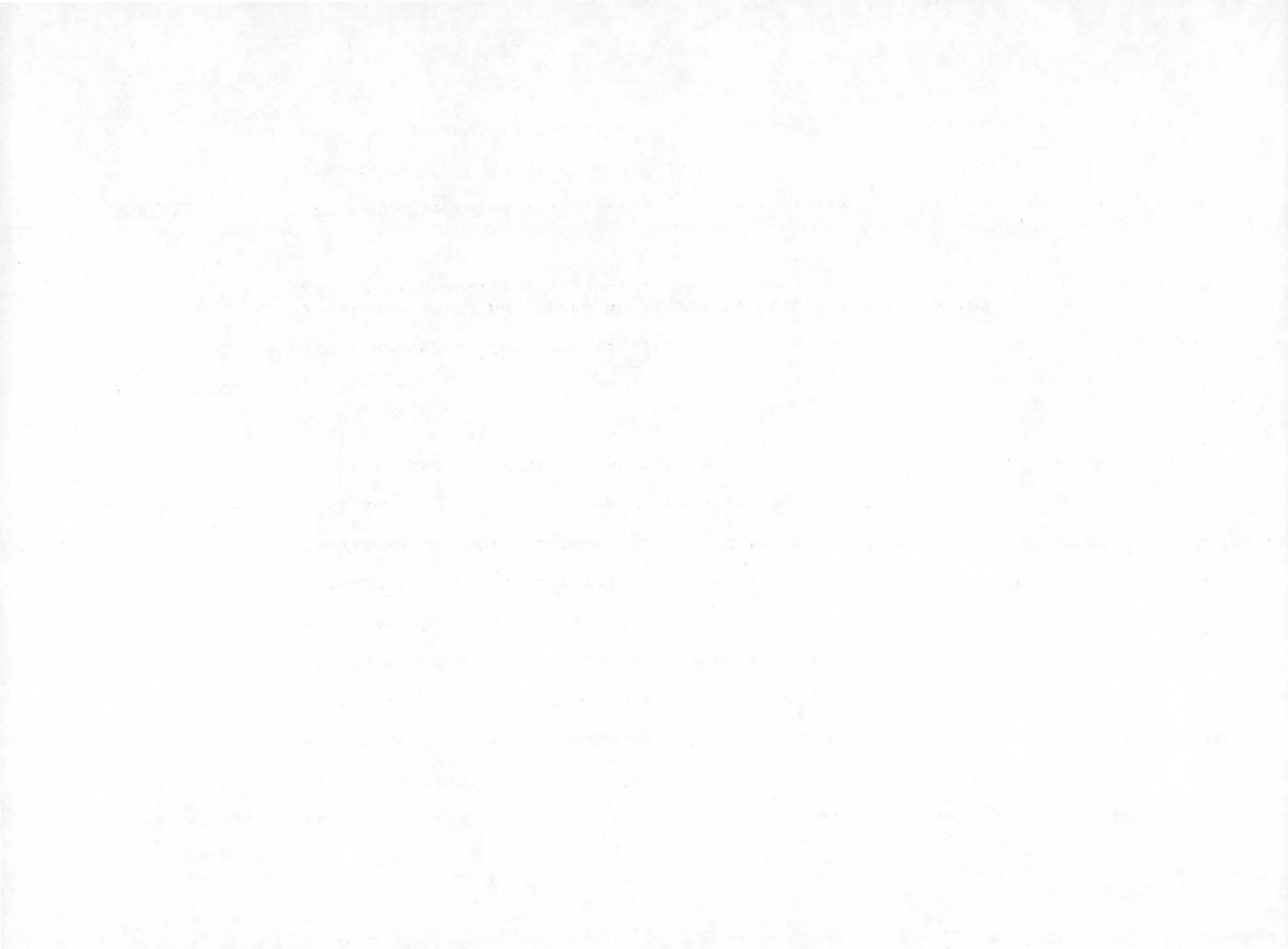
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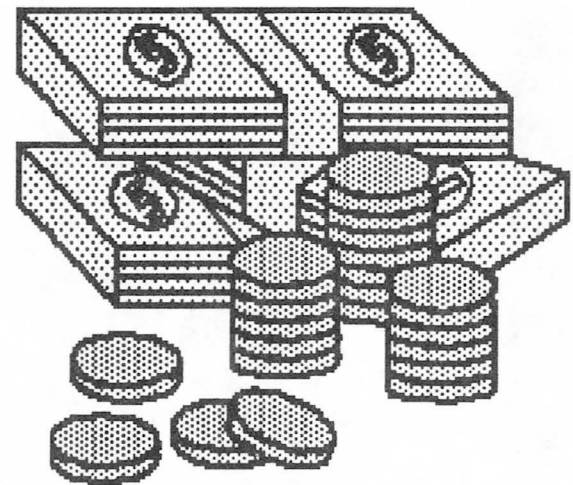
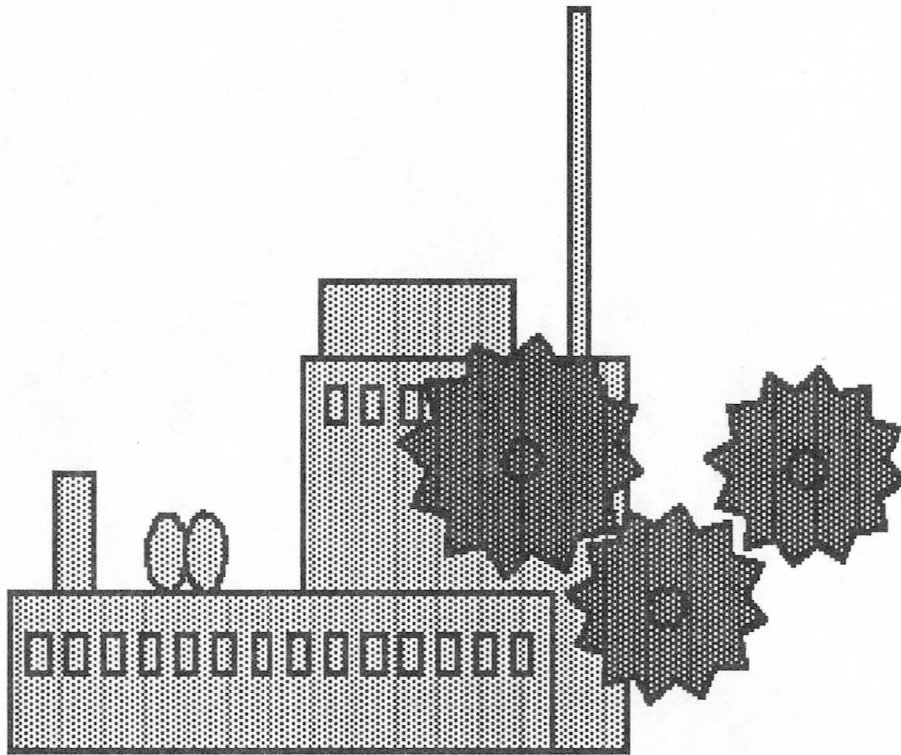
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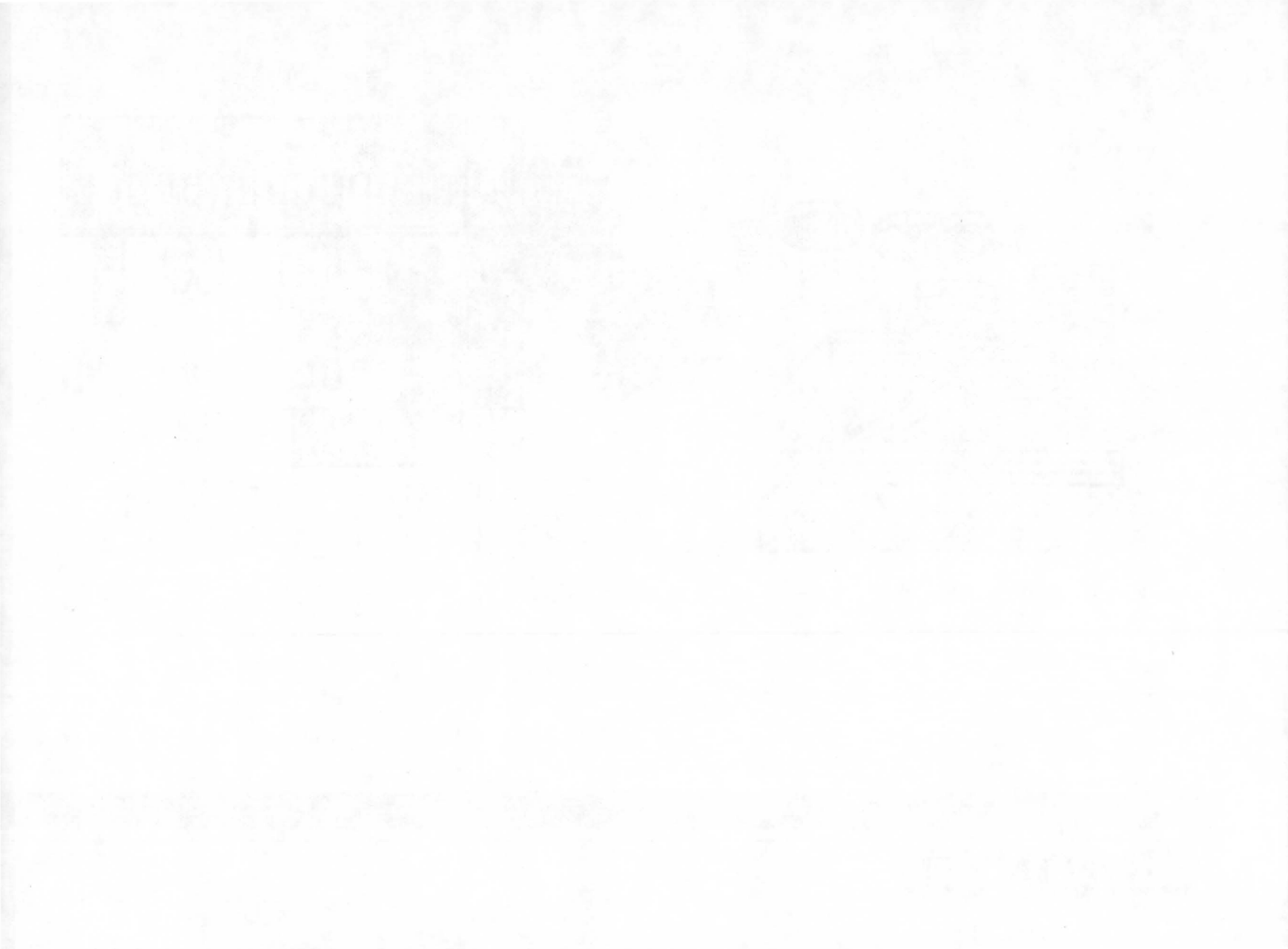
10. The source has been advised that the following information is true and correct:

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TURNOVER





1. The survey carried out each year in conjunction with the industrial associations in each Member State enables the turnover of the European aerospace industry to be broken down by type of customer and sector. Participants to this survey are the aerospace companies whose turnover concerns (partly or entirely) one or more of the groups of products listed in the columns of the tables.

Where data relating to international co-operation programmes are concerned, only the turnover which corresponds to that part of these programmes which concerns the national industry (i.e. after deduction of that part of the turnover which concerns other countries) should be included in the total turnover. This applies both to the country which markets the product and to the country which supplies part of the product to the country which markets it. In all cases, the turnover is entered under the heading "END-USERS".

However, standardization problems of the accounting methods remain and may affect turnover consolidated at the EC level.

Turnover on behalf of international public organizations (e.g. ESA) is entered under the heading "STATE". In this case too, only the turnover corresponding to that part of these programmes which concerns the national industry is included in the national turnover.

2. A distinction is made between the following:

- OVERALL NATIONAL TURNOVER

Overall national turnover includes transactions between national aerospace companies. Therefore, it does not indicate the output of the aerospace sector as such, since it includes intermediate exchanges at national level.

- TURNOVER CONSOLIDATED AT NATIONAL LEVEL

Turnover consolidated at national level does not include transactions between national aerospace companies, and so represents the output of the aerospace sector as such.

The difference between overall national 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 subsectors (e.g. contracting between airframe manufacturers for certain sub-assemblies).

- TURNOVER CONSOLIDATED AT COMMUNITY LEVEL

Turnover consolidated at Community level represents the output of the EC as a whole, since it does not include intra-Community transactions between aerospace companies.

The difference between turnover consolidated at national level and turnover consolidated at EC level therefore includes the sale of aerospace goods and services between companies located in the different EC Member States.

3. The turnover is broken down by **GROUP OF PRODUCTS** and by **CATEGORY OF CUSTOMER** (civil and military).

The **GROUPS OF PRODUCTS** considered are as follows:

a. COMPLETE AEROSPACE SYSTEMS:

- **AIRCRAFT** (aeroplane, helicopters and gliders), **MISSILES**, their parts and spares.
- **SPACE** (space vehicles, satellites, launchers, ground installations, etc.).

b. PROPULSION DEVICES

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

c. EQUIPMENT

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

The breakdown of turnover between the different **CATEGORIES OF CUSTOMER** is carried out as follows:

- > **STATE**.....: sales or services (including R&D) to the State (public authorities) in which the company is established;
- > **AEROSPACE INDUSTRY**: sales or services (including R&D) to other aerospace companies (generally sub-contracting);
- > **END-USERS**.....: sales or services (including R&D), i.e. neither to the State nor to other aerospace companies.

In the case of the "AEROSPACE INDUSTRY" and "END-USERS", turnover is broken down between:

- > NATIONAL.....: sales or services in the country in which the company is established,
- > COMMUNITY.....: sales or services in one of the other EC 12 countries,
- > OTHER COUNTRIES....: sales or services in a non-EC country.

4. The **ACTIVITIES** considered concern:

- > R&D contracts,
- > production, assembly,
- > post-delivery **modifications**, repairs and maintenance of material sold, where these operations are carried out by the company itself.

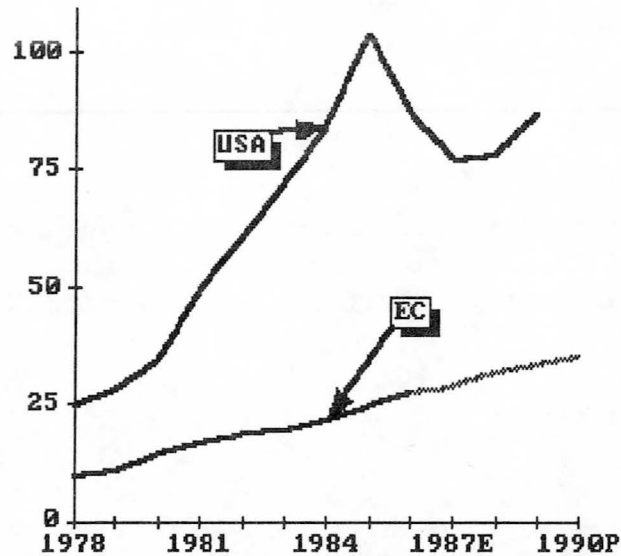
Repair and maintenance operations carried out by users, whether civil or military, are not covered by this survey.

Turnover relating to the category of customer "STATE" is broken down between:

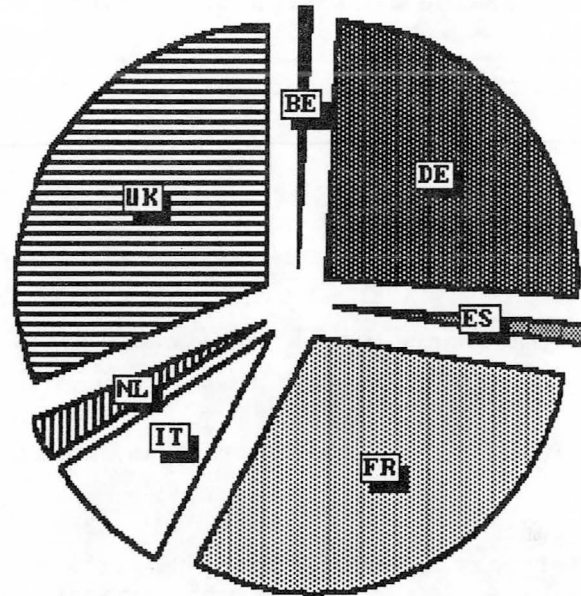
- > R&D,
- > post-delivery **modifications**, repairs and maintenance of material sold, where these operations are carried out by the company itself and not by the customer, and
- > sales.

For the other two categories of customer, "AEROSPACE INDUSTRY" and "END-USERS", the data refer to all these activities.

AEROSPACE TURNOVER



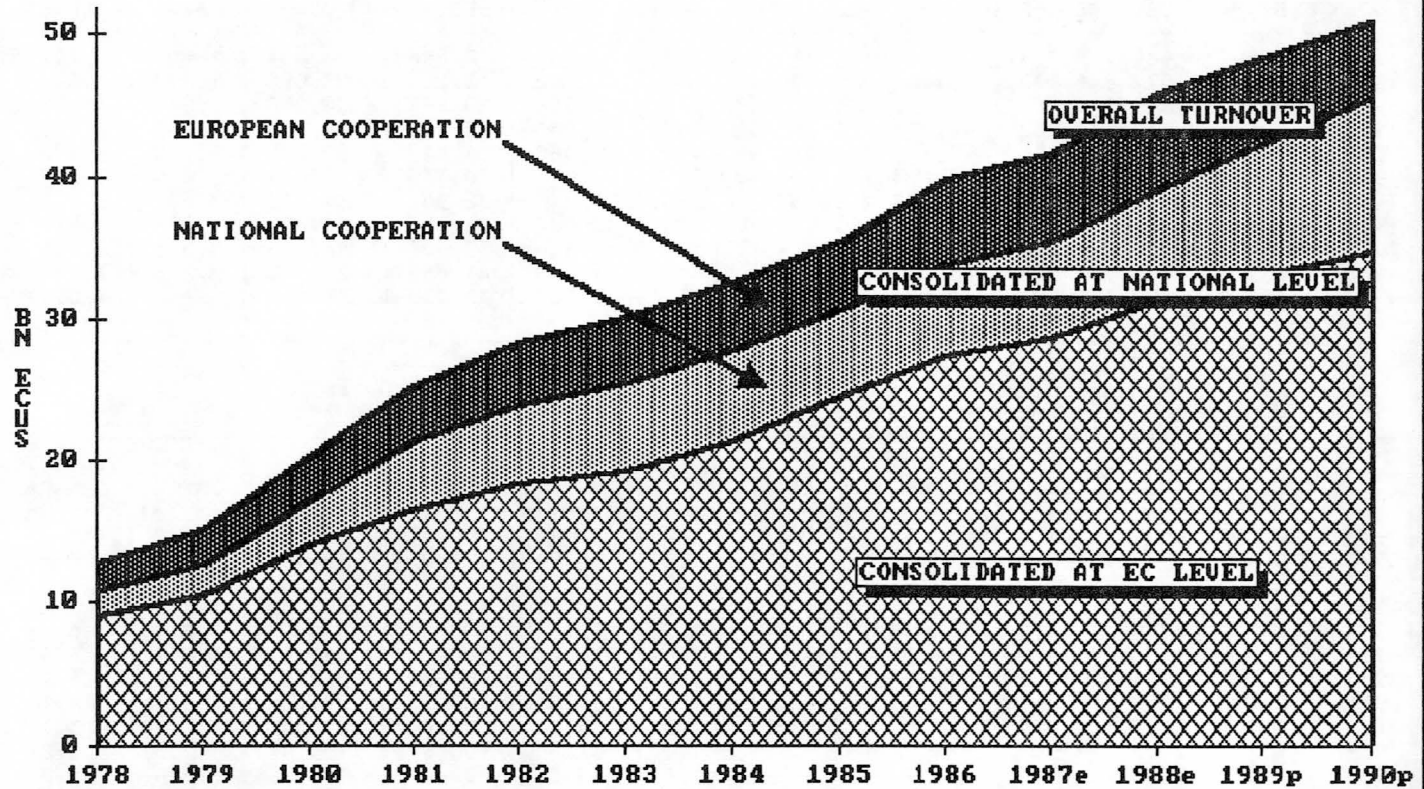
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Breakdown by Country
(1988 - Estim.)

EC - DG III

EC AEROSPACE TURNOVER



EC - DG III

OVERALL NATIONAL AEROSPACE TURNOVER

1) MIO ECU - CURRENT PRICES (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	146	1,984	133	5,076	814	288	4,407	12,846	24,453	1,440	791
1979	218	3,077	132	5,767	990	338	4,702	15,224	28,058	1,278	1,032
1980	333	3,359	185	7,256	1,230	372	7,646	20,394	34,040	1,273	1,352
1981	429	4,114	262	8,816	1,758	445	9,581	25,409	49,116	1,686	2,077
1982	413	5,084	356	9,812	2,181	492	10,080	28,419	59,944	2,540	2,390
1983	344	5,380	348	10,827	2,661	605	10,015	30,179	72,019	2,914	2,555
1984	287	5,628	375	11,731	2,767	594	11,210	32,566	84,168	3,642	2,913
1985	361	6,524	383	12,555	3,070	533	12,035	35,446	103,326	4,652	3,498
1986	338	9,780	353	13,168	3,421	584	12,266	39,907	86,468	4,815	3,226
1987	339	10,076	438	13,011	3,622	452	13,603	41,666	77,142	5,218	3,414
1988	335	12,180	521	14,096	3,859	879	13,934	45,930	78,613	-	4,054

2) COMPARISON OF TURNOVER BY GEOGRAPHICAL AREA (EC 12 = 100) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	1.1	15.4	1.0	39.5	6.3	2.2	34.3	100.0	190.3	11.2	6.2
1979	1.4	20.2	0.9	37.9	6.5	2.2	30.9	100.0	184.3	8.4	6.8
1980	1.6	16.5	0.9	35.6	6.0	1.8	37.5	100.0	166.9	6.2	6.6
1981	1.7	16.2	1.0	34.7	6.9	1.8	37.7	100.0	193.3	6.6	8.2
1982	1.5	17.9	1.3	34.5	7.7	1.7	35.5	100.0	210.9	8.9	8.4
1983	1.1	17.8	1.2	35.9	8.8	2.0	33.2	100.0	238.6	9.7	8.5
1984	0.9	17.3	1.2	36.0	8.5	1.8	34.4	100.0	258.5	11.2	8.9
1985	1.0	18.4	1.1	35.4	8.7	1.5	34.0	100.0	291.5	13.1	9.9
1986	0.8	24.5	0.9	33.0	8.6	1.5	30.7	100.0	216.7	12.1	8.1
1987	0.8	24.2	1.1	31.2	8.7	1.1	32.6	100.0	185.1	12.5	8.2
1988	0.7	26.5	1.1	30.7	8.4	1.9	30.3	100.0	171.2	-	8.8

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(2) 1983-86: DG III ESTIMATES

OVERALL NATIONAL AEROSPACE TURNOVER

3) MIO ECU - CONSTANT PRICES (ECU 1985) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	186	2,896	229	8,105	1,619	409	9,458	22,903	70,106	2,496	1,802
1979	268	4,274	182	8,521	1,801	460	8,539	24,045	78,280	2,414	2,369
1980	398	4,456	244	9,714	1,939	482	10,800	28,033	86,860	2,420	2,830
1981	496	5,226	318	10,943	2,474	547	11,267	31,271	89,267	2,425	3,221
1982	480	5,824	399	11,609	2,775	540	11,110	32,737	86,427	3,557	3,094
1983	386	5,732	413	12,205	3,014	633	11,011	33,395	89,945	3,508	2,860
1984	307	5,806	398	12,509	2,879	607	11,837	34,344	86,033	3,845	2,943
1985	361	6,524	383	12,555	3,070	533	12,035	35,461	103,326	4,652	3,498
1986	317	9,115	338	12,531	3,204	554	13,500	39,559	108,712	4,320	4,142
1987	306	8,921	410	12,228	3,285	421	15,021	40,590	114,011	4,734	4,666
1988	301	10,633	446	13,071	3,399	805	13,530	42,185	115,063	-	5,065

4) GROWTH RATE OF TURNOVER (IN % - CONSTANT PRICES) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	15.7	5.6	-	2.1	7.9	6.4	4.7	-	8.7	6.8	13.6
1979	43.7	47.6	20.4	5.1	11.2	12.5	9.7	5.0	11.7	3.3	31.5
1980	48.5	4.3	33.9	14.0	7.7	4.8	26.5	16.6	11.0	0.3	19.5
1981	24.7	17.3	30.7	12.7	27.6	13.5	4.3	11.6	2.8	0.2	13.8
1982	3.3	11.5	25.4	6.1	12.2	1.4	1.4	4.7	3.2	46.7	3.9
1983	19.6	1.6	3.5	5.1	8.6	17.2	0.9	2.0	4.1	1.4	7.6
1984	20.5	1.3	3.8	2.5	4.5	4.0	7.5	2.8	4.3	9.6	2.9
1985	17.7	12.4	3.8	0.4	6.6	12.2	1.7	3.3	20.1	21.0	18.8
1986	12.2	39.7	11.7	0.2	4.4	3.9	12.2	11.6	5.2	7.1	18.4
1987	3.4	2.1	21.2	2.4	2.5	24.1	11.3	2.6	4.9	9.6	12.6
1988	1.7	19.2	8.8	6.9	3.5	91.4	9.9	3.9	0.9	-	8.6

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978-88	4.9	13.9	6.9	4.9	7.7	7.0	3.6	6.3	5.1	-	10.9

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(2) 1983-86: DG III ESTIMATES

AEROSPACE TURNOVER CONSOLIDATED AT NATIONAL LEVEL

1) MIO ECU - CURRENT PRICES (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	132	1,705	132	4,214	623	285	3,889	10,980	24,453	1,440	791
1979	215	2,590	131	4,732	773	337	4,029	12,807	28,058	1,278	1,032
1980	320	2,710	184	5,978	1,028	371	6,648	17,239	34,040	1,273	1,352
1981	426	3,317	262	7,241	1,526	441	8,153	21,366	49,116	1,686	2,077
1982	409	4,112	354	7,982	1,866	486	8,706	23,915	59,944	2,540	2,390
1983	339	4,272	346	8,904	2,220	595	8,895	25,572	72,019	2,914	2,555
1984	284	4,515	367	9,969	2,332	584	9,890	27,941	84,168	3,642	2,913
1985	360	5,319	370	10,782	2,611	533	10,660	30,635	103,326	4,652	3,498
1986	336	7,901	328	10,966	2,851	584	10,919	33,886	86,468	4,815	3,226
1987	337	8,289	394	10,899	3,052	449	11,992	35,412	77,142	5,218	3,414
1988	331	9,995	474	11,930	3,251	926	12,282	39,189	78,613	-	4,054

2) COMPARISON OF TURNOVER BY GEOGRAPHICAL AREA (EC 12 = 100) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	1.2	15.5	1.2	38.4	5.7	2.6	35.4	100.0	222.7	13.1	7.2
1979	1.7	20.2	1.0	37.0	6.0	2.6	31.5	100.0	219.1	10.0	8.1
1980	1.9	15.7	1.1	34.7	6.0	2.2	38.6	100.0	197.5	7.4	7.8
1981	2.0	15.5	1.2	33.9	7.1	2.1	38.2	100.0	229.9	7.9	9.7
1982	1.7	17.2	1.5	33.4	7.8	2.0	36.4	100.0	250.7	10.6	10.0
1983	1.3	16.7	1.4	34.8	8.7	2.3	34.8	100.0	281.6	11.4	10.0
1984	1.0	16.2	1.3	35.7	8.3	2.1	35.4	100.0	301.2	13.0	10.4
1985	1.2	17.4	1.2	35.2	8.5	1.7	34.8	100.0	337.3	15.2	11.4
1986	1.0	23.3	1.0	32.4	8.4	1.7	32.2	100.0	255.2	14.2	9.5
1987	1.0	23.4	1.1	30.8	8.6	1.3	33.9	100.0	217.8	14.7	9.6
1988	0.8	25.5	1.2	30.4	8.3	2.4	31.3	100.0	200.6	-	10.3

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88 : DG III ESTIMATES

(2) 1983-86 : DG III ESTIMATES

AEROSPACE TURNOVER CONSOLIDATED AT NATIONAL LEVEL

3) MIO ECU - CONSTANT PRICES (ECU 1985) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	169	2,490	228	6,728	1,240	405	8,346	19,605	70,106	2,496	1,802
1979	264	3,598	181	6,992	1,405	458	7,318	20,215	78,280	2,414	2,369
1980	381	3,595	243	8,004	1,621	481	9,389	23,715	86,860	2,420	2,830
1981	492	4,214	318	8,988	2,148	542	9,588	26,290	89,267	2,425	3,221
1982	475	4,710	397	9,444	2,374	533	9,596	27,529	86,427	3,557	3,094
1983	381	4,552	411	10,038	2,515	623	9,780	28,299	89,945	3,508	2,860
1984	304	4,658	389	10,630	2,427	597	10,444	29,449	86,033	3,845	2,943
1985	360	5,319	370	10,782	2,611	533	10,660	30,635	103,326	4,652	3,498
1986	316	7,364	314	10,435	2,670	554	12,018	33,671	108,712	4,320	4,142
1987	304	7,339	369	10,243	2,767	418	13,242	34,682	114,011	4,734	4,666
1988	298	8,726	405	11,063	2,864	847	11,926	36,129	115,063	-	5,065

4) GROWTH RATE OF TURNOVER (IN % - CONSTANT PRICES) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	8.2	9.9	-	0.9	3.2	7.2	4.3		8.7	6.8	13.6
1979	56.8	44.5	20.5	3.9	13.3	12.9	12.3	3.1	11.7	3.3	31.5
1980	44.4	0.1	34.4	14.5	15.4	5.1	28.3	17.3	11.0	0.3	19.5
1981	29.0	17.2	30.7	12.3	32.5	12.7	2.1	10.9	2.8	0.2	13.8
1982	3.4	11.8	24.8	5.1	10.5	1.7	0.1	4.7	3.2	46.7	3.9
1983	19.9	3.4	3.7	6.3	6.0	16.8	1.9	2.8	4.1	1.4	7.6
1984	20.1	2.3	5.4	5.9	3.5	4.1	6.8	4.1	4.3	9.6	2.9
1985	18.5	14.2	5.0	1.4	7.6	10.7	2.1	4.0	20.1	21.0	18.8
1986	12.3	38.4	15.0	3.2	2.3	3.9	12.7	9.9	5.2	7.1	18.4
1987	3.7	0.3	17.4	1.8	3.6	24.6	10.2	3.0	4.9	9.6	12.6
1988	2.2	18.9	9.9	8.0	3.5	102.8	9.9	4.2	0.9	-	8.6

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978-88	5.9	13.4	5.9	5.1	8.7	7.6	3.6	6.3	5.1	-	10.9

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88 : DG III ESTIMATES

(2) 1983-86 : DG III ESTIMATES

AEROSPACE TURNOVER CONSOLIDATED AT EC LEVEL

1) MIO ECU - CURRENT PRICES (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	82	1,214	108	3,851	518	252	3,193	9,218	24,453	1,440	791
1979	158	1,966	98	4,269	681	300	3,177	10,649	28,058	1,278	1,032
1980	263	1,715	136	5,424	760	325	5,501	14,123	34,040	1,273	1,352
1981	349	1,837	189	6,535	1,307	373	6,129	16,719	49,116	1,686	2,077
1982	338	2,157	281	7,303	1,623	408	6,283	18,393	59,944	2,540	2,390
1983	271	2,175	247	7,950	1,698	518	6,409	19,269	72,019	2,914	2,555
1984	205	2,342	296	9,083	1,744	528	7,330	21,529	84,168	3,642	2,913
1985	260	3,135	297	10,278	1,830	505	8,408	24,713	103,326	4,652	3,498
1986	227	5,538	258	10,264	1,977	556	8,625	27,446	86,468	4,815	3,226
1987	224	6,081	327	10,099	2,235	406	9,383	28,756	77,142	5,218	3,414
1988	250	7,155	384	11,062	2,374	816	9,411	31,452	78,613	-	4,054

2) COMPARISON OF TURNOVER BY GEOGRAPHICAL AREA (EC 12 = 100) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	0.9	13.2	1.2	41.8	5.6	2.7	34.6	100.0	265.3	15.6	8.6
1979	1.5	18.5	0.9	40.1	6.4	2.8	29.8	100.0	263.5	12.0	9.7
1980	1.9	12.1	1.0	38.4	5.4	2.3	39.0	100.0	241.0	9.0	9.6
1981	2.1	11.0	1.1	39.1	7.8	2.2	36.7	100.0	293.8	10.1	12.4
1982	1.8	11.7	1.5	39.7	8.8	2.2	34.2	100.0	325.9	13.8	13.0
1983	1.4	11.3	1.3	41.3	8.8	2.7	33.3	100.0	373.8	15.1	13.3
1984	1.0	10.9	1.4	42.2	8.1	2.5	34.0	100.0	391.0	16.9	13.5
1985	1.1	12.7	1.2	41.6	7.4	2.0	34.0	100.0	418.1	18.8	14.2
1986	0.8	20.2	0.9	37.4	7.2	2.0	31.4	100.0	315.0	17.5	11.8
1987	0.8	21.1	1.1	35.1	7.8	1.4	32.6	100.0	268.3	18.1	11.9
1988	0.8	22.7	1.2	35.2	7.5	2.6	29.9	100.0	249.9	-	12.9

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(2) 1983-86: DG III ESTIMATES

AEROSPACE TURNOVER CONSOLIDATED AT EC LEVEL

3) MIO ECU - CONSTANT PRICES (ECU 1985) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	105	1,772	187	6,149	1,030	358	6,853	16,455	70,106	2,496	1,802
1979	195	2,731	136	6,307	1,239	407	5,769	16,785	78,280	2,414	2,369
1980	313	2,275	180	7,261	1,198	421	7,770	19,418	86,860	2,420	2,830
1981	404	2,333	229	8,112	1,840	459	7,207	20,584	89,267	2,425	3,221
1982	393	2,471	315	8,639	2,064	447	6,925	21,256	86,427	3,557	3,094
1983	304	2,317	293	8,963	1,924	542	7,047	21,390	89,945	3,508	2,860
1984	219	2,417	314	9,686	1,815	539	7,740	22,730	86,033	3,845	2,943
1985	260	3,135	297	10,278	1,830	505	8,408	24,713	103,326	4,652	3,498
1986	213	5,161	247	9,767	1,852	528	9,492	27,261	108,712	4,320	4,142
1987	202	5,384	306	9,491	2,026	378	10,362	28,150	114,011	4,734	4,666
1988	225	6,246	328	10,257	2,091	747	9,138	29,034	115,063	-	5,065

4) GROWTH RATE OF TURNOVER (IN % - CONSTANT PRICES) (1)

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	48.1	9.8	-	1.1	7.5	13.9	4.7		8.7	6.8	13.6
1979	84.8	54.1	27.1	2.6	20.3	13.7	15.8	2.0	11.7	3.3	31.5
1980	60.9	16.7	32.2	15.1	3.3	3.5	34.7	15.7	11.0	0.3	19.5
1981	28.9	2.6	27.5	11.7	53.6	8.9	7.2	6.0	2.8	0.2	13.8
1982	2.7	5.9	37.6	6.5	12.2	2.5	3.9	3.3	3.2	46.7	3.9
1983	22.6	6.2	7.1	3.7	6.8	21.2	1.8	0.6	4.1	1.4	7.6
1984	28.0	4.3	7.2	8.1	5.6	0.5	9.8	6.3	4.3	9.6	2.9
1985	18.7	29.7	5.4	6.1	0.8	6.4	8.6	8.7	20.1	21.0	18.8
1986	18.0	64.7	16.8	5.0	1.2	4.6	12.9	10.3	5.2	7.1	18.4
1987	5.2	4.3	23.8	2.8	9.4	28.4	9.2	3.3	4.9	9.6	12.6
1988	11.3	16.0	7.2	8.1	3.2	97.7	11.8	3.1	0.9	-	8.6

	BE	DE	ES (2)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978-88	7.9	13.4	5.8	5.2	7.3	7.6	2.9	5.8	5.1	-	10.9

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(2) 1983-86: DG III ESTIMATES

BREAKDOWN OF OVERALL AEROSPACE TURNOVER BY SUBSECTOR (AS % OF TOTAL)

1) EC 12 (1)

	SUBSECTORS				DESTINATION	
	AIRCRAFT AND MISSILES	SPACE	ENGINES	EQUIPMENT	CIVIL	MILITARY
1978	54.9	2.8	20.9	21.5	28.5	71.5
1979	56.8	2.8	19.9	20.5	29.0	71.0
1980	54.1	3.2	19.6	23.1	30.0	70.0
1981	53.5	3.0	19.8	23.7	29.8	70.2
1982	54.1	3.7	19.9	22.3	30.1	69.9
1983	54.0	3.8	17.4	24.9	32.5	67.5
1984	52.9	4.0	17.9	25.2	31.9	68.1
1985	51.3	5.4	18.8	24.6	33.5	66.5
1986	46.8	5.5	18.0	29.7	36.9	63.1
1987	49.2	4.7	17.3	28.7	33.4	66.6
1988	49.8	4.7	17.1	28.4	34.7	65.3

2) USA (2)

	SUBSECTORS				DESTINATION	
	AIRCRAFT AND MISSILES	SPACE	ENGINES	EQUIPMENT	CIVIL	MILITARY
1978	57.7	7.5	17.2	17.6	39.6	60.4
1979	59.2	6.6	17.0	17.1	52.7	47.3
1980	56.1	7.3	16.5	20.0	52.4	47.6
1981	54.2	7.0	17.7	21.0	46.5	53.5
1982	49.2	8.1	17.4	25.3	36.4	63.6
1983	52.0	7.7	16.2	24.2	34.8	65.2
1984	51.7	7.9	17.1	23.3	31.3	68.7
1985	53.6	8.0	15.4	23.0	32.5	67.5
1986	54.3	7.4	15.0	23.3	33.7	66.3
1987	52.7	8.8	17.0	21.6	31.5	68.5
1988	53.0	8.5	16.9	21.6	38.2	61.8

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(2) 1988 ESTIMATE

BREAKDOWN OF OVERALL AEROSPACE TURNOVER BY SUBSECTOR (AS % OF TOTAL)

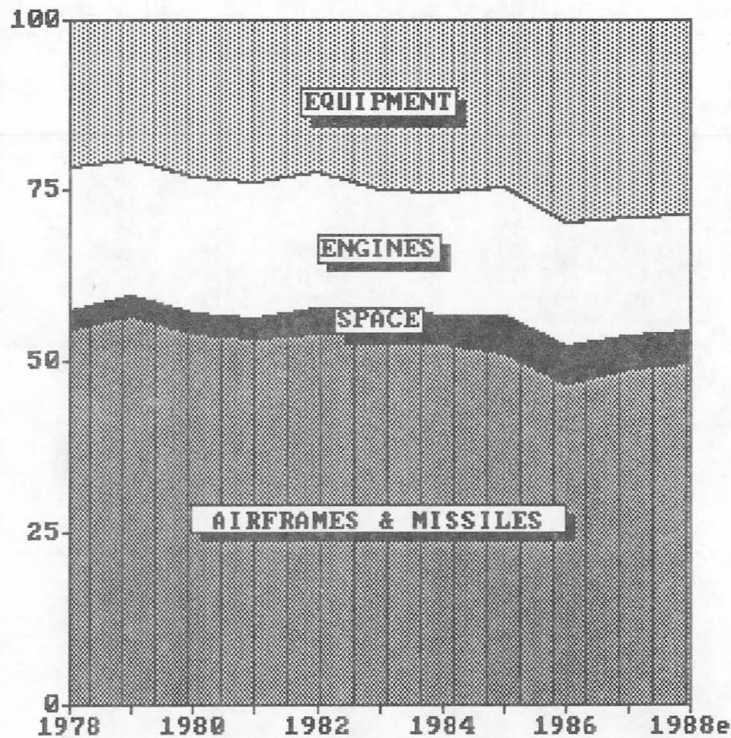
3) JAPAN

	SUBSECTORS				DESTINATION	
	AIRCRAFT AND MISSILES	SPACE	ENGINES	EQUIPMENT	CIVIL	MILITARY
1978	44.1	27.4	14.9	13.6	37.2	62.8
1979	43.3	26.9	14.7	15.2	37.4	62.6
1980	40.1	31.5	14.8	13.6	43.5	56.5
1981	42.9	29.4	15.0	12.7	44.8	55.2
1982	45.6	27.3	14.1	13.1	43.9	56.1
1983	44.2	27.7	13.5	14.7	43.4	56.6
1984	47.8	21.7	15.0	15.5	35.4	64.6
1985	48.1	23.5	14.3	14.1	35.5	64.5
1986	45.0	21.6	15.2	18.2	34.5	65.5
1987	44.7	23.1	14.0	18.1	38.0	62.0
1988	-	-	-	-	-	-

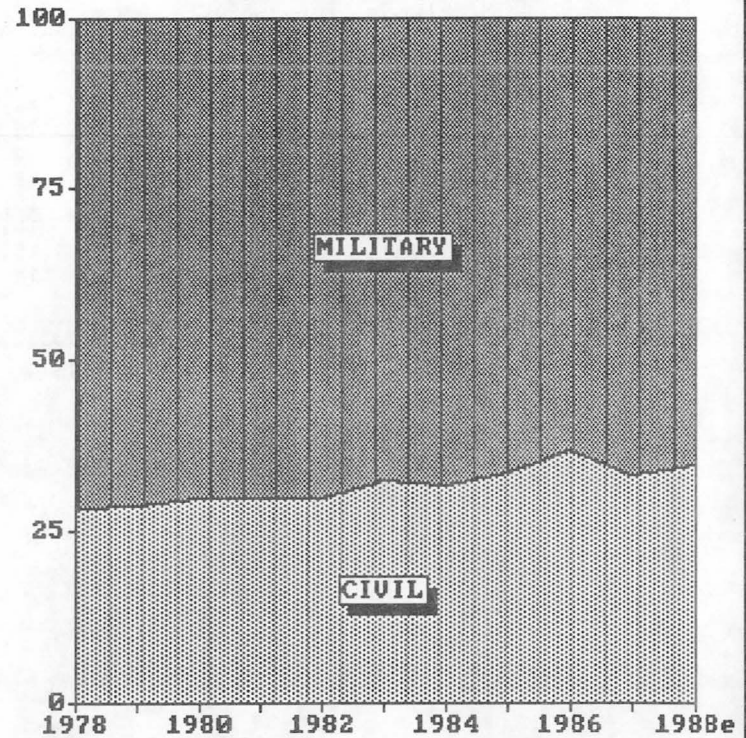
EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EC AEROSPACE TURNOVER

BREAKDOWN BY SECTOR



BREAKDOWN BY ACTIVITY



EC - DG III

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

TOTAL (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	4,340	5,444	6,576	6,776	7,285	8,188	9,276	10,583	11,913	13,668	13,922
- R-D CONTRACTS.....	1,439	1,850	2,038	2,061	2,153	2,492	2,862	3,087	3,526	4,488	4,347
- MODIFICATIONS, REPAIRS, MAINTENANCE	664	808	1,055	1,151	1,251	1,236	1,595	1,675	1,956	2,227	2,257
- SALES.....	2,238	2,786	3,483	3,565	3,880	4,460	4,820	5,821	6,431	6,953	7,319
AEROSPACE MANUFACTURERS..	4,134	5,282	7,507	10,411	11,872	12,765	13,300	13,725	16,373	16,111	18,429
- NATIONAL.....	1,867	2,417	3,142	4,039	4,504	4,607	4,660	4,833	6,017	6,129	6,700
- EC 12.....	1,761	2,157	3,116	4,647	5,522	6,303	6,411	5,920	6,436	6,656	7,751
- THIRD COUNTRIES.....	506	707	1,248	1,725	1,846	1,855	2,229	2,972	3,920	3,326	3,978
FINAL USERS.....	4,372	4,498	6,312	8,222	9,263	9,226	9,990	11,139	11,621	11,888	13,579
- NATIONAL.....	689	621	847	878	911	850	1,123	1,420	1,562	1,530	1,613
- EC 12.....	353	501	1,033	1,008	1,161	928	952	1,088	1,009	1,399	1,428
- THIRD COUNTRIES.....	3,330	3,375	4,432	6,337	7,190	7,449	7,914	8,631	9,050	8,960	10,538
TOTAL.....	12,846	15,224	20,394	25,409	28,419	30,179	32,566	35,446	39,907	41,666	45,930
EC PUBLIC MARKET.....(1)	4,498	5,602	7,197	7,331	7,983	8,673	9,662	10,965	12,375	14,425	14,693
EC COMMERCIAL MARKET..(2)	4,513	5,540	7,517	10,015	11,399	12,202	12,761	12,878	14,562	14,956	16,721
EXPORTS.....(3)	3,835	4,083	5,681	8,062	9,036	9,304	10,144	11,603	12,970	12,285	14,516

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

TOTAL (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	33.8	35.8	32.2	26.7	25.6	27.1	28.5	29.9	29.9	32.8	30.3
- R-D CONTRACTS.....	11.2	12.1	10.0	8.1	7.6	8.3	8.8	8.7	8.8	10.8	9.5
- MODIFICATIONS, REPAIRS, MAINTENANCE	5.2	5.3	5.2	4.5	4.4	4.1	4.9	4.7	4.9	5.3	4.9
- SALES.....	17.4	18.3	17.1	14.0	13.7	14.8	14.8	16.4	16.1	16.7	15.9
AEROSPACE MANUFACTURERS..	32.2	34.7	36.8	41.0	41.8	42.3	40.8	38.7	41.0	38.7	40.1
- NATIONAL.....	14.5	15.9	15.4	15.9	15.8	15.3	14.3	13.6	15.1	14.7	14.6
- EC 12.....	13.7	14.2	15.3	18.3	19.4	20.9	19.7	16.7	16.1	16.0	16.9
- THIRD COUNTRIES.....	3.9	4.6	6.1	6.8	6.5	6.1	6.8	8.4	9.8	8.0	8.7
FINAL USERS.....	34.0	29.5	31.0	32.4	32.6	30.6	30.7	31.4	29.1	28.5	29.6
- NATIONAL.....	5.4	4.1	4.2	3.5	3.2	2.8	3.4	4.0	3.9	3.7	3.5
- EC 12.....	2.8	3.3	5.1	4.0	4.1	3.1	2.9	3.1	2.5	3.4	3.1
- THIRD COUNTRIES.....	25.9	22.2	21.7	24.9	25.3	24.7	24.3	24.3	22.7	21.5	22.9
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	35.0	36.8	35.3	28.9	28.1	28.7	29.7	30.9	31.0	34.6	32.0
EC COMMERCIAL MARKET..(2)	35.1	36.4	36.9	39.4	40.1	40.4	39.2	36.3	36.5	35.9	36.4
EXPORTS.....(3)	29.9	26.8	27.9	31.7	31.8	30.8	31.1	32.7	32.5	29.5	31.6

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

CIVIL SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	394	730	579	572	677	896	743	938	1,458	1,931	2,005
- R-D CONTRACTS.....	197	187	334	276	347	334	357	547	711	1,076	1,049
- MODIFICATIONS, REPAIRS, MAINTENANCE	34	42	66	68	58	64	58	75	56	168	139
- SALES.....	163	501	180	228	273	498	328	316	690	686	817
AEROSPACE MANUFACTURERS..	1,354	1,766	2,811	3,667	4,564	4,995	5,173	5,960	6,907	6,558	7,604
- NATIONAL.....	663	901	1,389	1,495	1,644	1,888	1,796	2,054	2,362	2,373	2,768
- EC 12.....	416	490	734	1,177	1,872	2,036	1,959	2,237	2,326	2,295	2,641
- THIRD COUNTRIES.....	275	375	687	995	1,048	1,071	1,418	1,670	2,219	1,890	2,195
FINAL USERS.....	1,916	1,912	2,728	3,336	3,306	3,917	4,464	4,979	6,349	5,412	6,336
- NATIONAL.....	689	621	847	878	911	850	1,123	1,420	1,562	1,530	1,613
- EC 12.....	196	344	412	452	462	442	567	705	547	641	657
- THIRD COUNTRIES.....	1,032	947	1,468	2,006	1,933	2,625	2,774	2,854	4,240	3,241	4,066
TOTAL.....	3,664	4,408	6,118	7,575	8,548	9,808	10,381	11,878	14,713	13,900	15,945
EC PUBLIC MARKET.....(1)	394	730	579	572	677	896	743	938	1,458	1,931	2,005
EC COMMERCIAL MARKET..(2)	1,964	2,356	3,383	4,002	4,889	5,216	5,446	6,416	6,797	6,839	7,679
EXPORTS.....(3)	1,306	1,322	2,155	3,001	2,981	3,695	4,192	4,524	6,459	5,130	6,261

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

CIVIL SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	10.7	16.6	9.5	7.6	7.9	9.1	7.2	7.9	9.9	13.9	12.6
- R-D CONTRACTS.....	5.4	4.2	5.5	3.6	4.1	3.4	3.4	4.6	4.8	7.7	6.6
- MODIFICATIONS, REPAIRS, MAINTENANCE	0.9	0.9	1.1	0.9	0.7	0.7	0.6	0.6	0.4	1.2	0.9
- SALES.....	4.4	11.4	2.9	3.0	3.2	5.1	3.2	2.7	4.7	4.9	5.1
AEROSPACE MANUFACTURERS..	37.0	40.1	45.9	48.4	53.4	50.9	49.8	50.2	46.9	47.2	47.7
- NATIONAL.....	18.1	20.4	22.7	19.7	19.2	19.3	17.3	17.3	16.1	17.1	17.4
- EC 12.....	11.4	11.1	12.0	15.5	21.9	20.8	18.9	18.8	15.8	16.5	16.6
- THIRD COUNTRIES.....	7.5	8.5	11.2	13.1	12.3	10.9	13.7	14.1	15.1	13.6	13.8
FINAL USERS.....	52.3	43.4	44.6	44.0	38.7	39.9	43.0	41.9	43.2	38.9	39.7
- NATIONAL.....	18.8	14.1	13.9	11.6	10.7	8.7	10.8	12.0	10.6	11.0	10.1
- EC 12.....	5.3	7.8	6.7	6.0	5.4	4.5	5.5	5.9	3.7	4.6	4.1
- THIRD COUNTRIES.....	28.2	21.5	24.0	26.5	22.6	26.8	26.7	24.0	28.8	23.3	25.5
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	10.7	16.6	9.5	7.6	7.9	9.1	7.2	7.9	9.9	13.9	12.6
EC COMMERCIAL MARKET..(2)	53.6	53.4	55.3	52.8	57.2	53.2	52.5	54.0	46.2	49.2	48.2
EXPORTS.....(3)	35.6	30.0	35.2	39.6	34.9	37.7	40.4	38.1	43.9	36.9	39.3

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

CIVIL SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	3.1	4.8	2.8	2.3	2.4	3.0	2.3	2.6	3.7	4.6	4.4
- R-D CONTRACTS.....	1.5	1.2	1.6	1.1	1.2	1.1	1.1	1.5	1.8	2.6	2.3
- MODIFICATIONS, REPAIRS, MAINTENANCE	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.4	0.3
- SALES.....	1.3	3.3	0.9	0.9	1.0	1.6	1.0	0.9	1.7	1.6	1.8
AEROSPACE MANUFACTURERS..	10.5	11.6	13.8	14.4	16.1	16.6	15.9	16.8	17.3	15.7	16.6
- NATIONAL.....	5.2	5.9	6.8	5.9	5.8	6.3	5.5	5.8	5.9	5.7	6.0
- EC 12.....	3.2	3.2	3.6	4.6	6.6	6.7	6.0	6.3	5.8	5.5	5.8
- THIRD COUNTRIES.....	2.1	2.5	3.4	3.9	3.7	3.5	4.4	4.7	5.6	4.5	4.8
FINAL USERS.....	14.9	12.6	13.4	13.1	11.6	13.0	13.7	14.0	15.9	13.0	13.8
- NATIONAL.....	5.4	4.1	4.2	3.5	3.2	2.8	3.4	4.0	3.9	3.7	3.5
- EC 12.....	1.5	2.3	2.0	1.8	1.6	1.5	1.7	2.0	1.4	1.5	1.4
- THIRD COUNTRIES.....	8.0	6.2	7.2	7.9	6.8	8.7	8.5	8.1	10.6	7.8	8.9
TOTAL.....	28.5	29.0	30.0	29.8	30.1	32.5	31.9	33.5	36.9	33.4	34.7
EC PUBLIC MARKET.....(1)	3.1	4.8	2.8	2.3	2.4	3.0	2.3	2.6	3.7	4.6	4.4
EC COMMERCIAL MARKET..(2)	15.3	15.5	16.6	15.7	17.2	17.3	16.7	18.1	17.0	16.4	16.7
EXPORTS.....(3)	10.2	8.7	10.6	11.8	10.5	12.2	12.9	12.8	16.2	12.3	13.6

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

MILITARY SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	3,947	4,714	5,996	6,204	6,607	7,291	8,533	9,645	10,456	11,737	11,917
- R-D CONTRACTS.....	1,243	1,662	1,704	1,785	1,807	2,157	2,505	2,540	2,815	3,412	3,298
- MODIFICATIONS, REPAIRS, MAINTENANCE	629	767	989	1,083	1,192	1,172	1,537	1,600	1,899	2,059	2,117
- SALES.....	2,075	2,285	3,304	3,336	3,608	3,962	4,492	5,505	5,741	6,266	6,502
AEROSPACE MANUFACTURERS..	2,780	3,515	4,696	6,744	7,307	7,770	8,126	7,764	9,466	9,553	10,825
- NATIONAL.....	1,203	1,516	1,752	2,544	2,860	2,719	2,863	2,779	3,655	3,756	3,932
- EC 12.....	1,345	1,667	2,382	3,470	3,650	4,267	4,452	3,683	4,110	4,361	5,110
- THIRD COUNTRIES.....	231	332	562	730	797	784	812	1,302	1,701	1,436	1,783
FINAL USERS.....	2,456	2,586	3,585	4,886	5,956	5,309	5,526	6,160	5,272	6,476	7,243
- NATIONAL.....	-	-	-	-	-	-	-	-	-	-	-
- EC 12.....	158	157	621	556	699	486	386	382	462	757	771
- THIRD COUNTRIES.....	2,298	2,429	2,964	4,331	5,257	4,824	5,140	5,777	4,810	5,719	6,472
TOTAL.....	9,182	10,816	14,277	17,834	19,871	20,371	22,185	23,569	25,193	27,766	29,985
EC PUBLIC MARKET.....(1)	4,104	4,871	6,617	6,759	7,306	7,777	8,919	10,027	10,918	12,494	12,688
EC COMMERCIAL MARKET..(2)	2,549	3,184	4,134	6,014	6,510	6,986	7,315	6,462	7,765	8,117	9,042
EXPORTS.....(3)	2,529	2,761	3,525	5,061	6,055	5,608	5,952	7,080	6,510	7,155	8,255

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

MILITARY SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	43.0	43.6	42.0	34.8	33.3	35.8	38.5	40.9	41.5	42.3	39.7
- R-D CONTRACTS.....	13.5	15.4	11.9	10.0	9.1	10.6	11.3	10.8	11.2	12.3	11.0
- MODIFICATIONS, REPAIRS, MAINTENANCE	6.9	7.1	6.9	6.1	6.0	5.8	6.9	6.8	7.5	7.4	7.1
- SALES.....	22.6	21.1	23.1	18.7	18.2	19.4	20.2	23.4	22.8	22.6	21.7
AEROSPACE MANUFACTURERS..	30.3	32.5	32.9	37.8	36.8	38.1	36.6	32.9	37.6	34.4	36.1
- NATIONAL.....	13.1	14.0	12.3	14.3	14.4	13.3	12.9	11.8	14.5	13.5	13.1
- EC 12.....	14.6	15.4	16.7	19.5	18.4	20.9	20.1	15.6	16.3	15.7	17.0
- THIRD COUNTRIES.....	2.5	3.1	3.9	4.1	4.0	3.9	3.7	5.5	6.8	5.2	5.9
FINAL USERS.....	26.7	23.9	25.1	27.4	30.0	26.1	24.9	26.1	20.9	23.3	24.2
- NATIONAL.....	-	-	-	-	-	-	-	-	-	-	-
- EC 12.....	1.7	1.5	4.3	3.1	3.5	2.4	1.7	1.6	1.8	2.7	2.6
- THIRD COUNTRIES.....	25.0	22.5	20.8	24.3	26.5	23.7	23.2	24.5	19.1	20.6	21.6
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	44.7	45.0	46.3	37.9	36.8	38.2	40.2	42.5	43.3	45.0	42.3
EC COMMERCIAL MARKET..(2)	27.8	29.4	29.0	33.7	32.8	34.3	33.0	27.4	30.8	29.2	30.2
EXPORTS.....(3)	27.5	25.5	24.7	28.4	30.5	27.5	26.8	30.0	25.8	25.8	27.5

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

MILITARY SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	30.7	31.0	29.4	24.4	23.2	24.2	26.2	27.2	26.2	28.2	25.9
- R-D CONTRACTS.....	9.7	10.9	8.4	7.0	6.4	7.1	7.7	7.2	7.1	8.2	7.2
- MODIFICATIONS, REPAIRS, MAINTENANCE	4.9	5.0	4.8	4.3	4.2	3.9	4.7	4.5	4.8	4.9	4.6
- SALES.....	16.1	15.0	16.2	13.1	12.7	13.1	13.8	15.5	14.4	15.0	14.2
AEROSPACE MANUFACTURERS..	21.6	23.1	23.0	26.5	25.7	25.7	25.0	21.9	23.7	22.9	23.6
- NATIONAL.....	9.4	10.0	8.6	10.0	10.1	9.0	8.8	7.8	9.2	9.0	8.6
- EC 12.....	10.5	11.0	11.7	13.7	12.8	14.1	13.7	10.4	10.3	10.5	11.1
- THIRD COUNTRIES.....	1.8	2.2	2.8	2.9	2.8	2.6	2.5	3.7	4.3	3.4	3.9
FINAL USERS.....	19.1	17.0	17.6	19.2	21.0	17.6	17.0	17.4	13.2	15.5	15.8
- NATIONAL.....	-	-	-	-	-	-	-	-	-	-	-
- EC 12.....	1.2	1.0	3.0	2.2	2.5	1.6	1.2	1.1	1.2	1.8	1.7
- THIRD COUNTRIES.....	17.9	16.0	14.5	17.0	18.5	16.0	15.8	16.3	12.1	13.7	14.1
TOTAL.....	71.5	71.0	70.0	70.2	69.9	67.5	68.1	66.5	63.1	66.6	65.3
EC PUBLIC MARKET.....(1)	32.0	32.0	32.4	26.6	25.7	25.8	27.4	28.3	27.4	30.0	27.6
EC COMMERCIAL MARKET..(2)	19.8	20.9	20.3	23.7	22.9	23.1	22.5	18.2	19.5	19.5	19.7
EXPORTS.....(3)	19.7	18.1	17.3	19.9	21.3	18.6	18.3	20.0	16.3	17.2	18.0

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

AIRFRAME AND MISSILES SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	2,479	3,556	3,699	3,697	3,815	4,248	4,484	5,550	5,783	6,654	6,593
- R-D CONTRACTS.....	769	1,169	1,093	1,133	1,137	1,312	1,576	1,627	1,924	2,394	2,255
- MODIFICATIONS, REPAIRS, MAINTENANCE	344	487	554	600	657	626	815	833	962	1,052	1,077
- SALES.....	1,366	1,900	2,052	1,963	2,021	2,310	2,093	3,090	2,897	3,207	3,260
AEROSPACE MANUFACTURERS..	1,533	2,059	3,042	4,017	4,786	5,456	5,401	5,163	5,940	6,086	7,302
- NATIONAL.....	536	737	938	1,212	1,356	1,441	1,340	1,310	1,402	1,469	1,778
- EC 12.....	840	1,100	1,744	2,432	2,924	3,626	3,646	3,108	3,068	3,543	4,229
- THIRD COUNTRIES.....	157	221	361	374	506	389	415	745	1,471	1,075	1,295
FINAL USERS.....	3,035	3,038	4,302	5,875	6,785	6,590	7,343	7,455	6,951	7,771	8,972
- NATIONAL.....	328	245	349	410	473	335	500	569	368	493	507
- EC 12.....	163	222	592	514	714	548	496	596	274	653	685
- THIRD COUNTRIES.....	2,544	2,571	3,361	4,951	5,599	5,708	6,346	6,290	6,309	6,625	7,780
TOTAL.....	7,048	8,653	11,044	13,589	15,386	16,294	17,228	18,168	18,675	20,511	22,867
EC PUBLIC MARKET.....(1)	2,538	3,617	4,122	4,051	4,323	4,551	4,739	5,814	5,882	7,016	6,984
EC COMMERCIAL MARKET..(2)	1,809	2,243	3,200	4,214	4,958	5,646	5,728	5,319	5,013	5,794	6,809
EXPORTS.....(3)	2,701	2,792	3,721	5,325	6,104	6,097	6,761	7,035	7,779	7,700	9,075

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

AIRFRAME AND MISSILES SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	35.2	41.1	33.5	27.2	24.8	26.1	26.0	30.5	31.0	32.4	28.8
- R-D CONTRACTS.....	10.9	13.5	9.9	8.3	7.4	8.1	9.2	9.0	10.3	11.7	9.9
- MODIFICATIONS, REPAIRS, MAINTENANCE	4.9	5.6	5.0	4.4	4.3	3.8	4.7	4.6	5.2	5.1	4.7
- SALES.....	19.4	22.0	18.6	14.4	13.1	14.2	12.1	17.0	15.5	15.6	14.3
AEROSPACE MANUFACTURERS..	21.8	23.8	27.5	29.6	31.1	33.5	31.4	28.4	31.8	29.7	31.9
- NATIONAL.....	7.6	8.5	8.5	8.9	8.8	8.8	7.8	7.2	7.5	7.2	7.8
- EC 12.....	11.9	12.7	15.8	17.9	19.0	22.3	21.2	17.1	16.4	17.3	18.5
- THIRD COUNTRIES.....	2.2	2.6	3.3	2.8	3.3	2.4	2.4	4.1	7.9	5.2	5.7
FINAL USERS.....	43.1	35.1	39.0	43.2	44.1	40.4	42.6	41.0	37.2	37.9	39.2
- NATIONAL.....	4.7	2.8	3.2	3.0	3.1	2.1	2.9	3.1	2.0	2.4	2.2
- EC 12.....	2.3	2.6	5.4	3.8	4.6	3.4	2.9	3.3	1.5	3.2	3.0
- THIRD COUNTRIES.....	36.1	29.7	30.4	36.4	36.4	35.0	36.8	34.6	33.8	32.3	34.0
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	36.0	41.8	37.3	29.8	28.1	27.9	27.5	32.0	31.5	34.2	30.5
EC COMMERCIAL MARKET..(2)	25.7	25.9	29.0	31.0	32.2	34.7	33.2	29.3	26.8	28.3	29.8
EXPORTS.....(3)	38.3	32.3	33.7	39.2	39.7	37.4	39.2	38.7	41.7	37.5	39.7

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

AIRFRAME AND MISSILES SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	19.3	23.4	18.1	14.5	13.4	14.1	13.8	15.7	14.5	16.0	14.4
- R-D CONTRACTS.....	6.0	7.7	5.4	4.5	4.0	4.3	4.8	4.6	4.8	5.7	4.9
- MODIFICATIONS, REPAIRS, MAINTENANCE	2.7	3.2	2.7	2.4	2.3	2.1	2.5	2.3	2.4	2.5	2.3
- SALES.....	10.6	12.5	10.1	7.7	7.1	7.7	6.4	8.7	7.3	7.7	7.1
AEROSPACE MANUFACTURERS..	11.9	13.5	14.9	15.8	16.8	18.1	16.6	14.6	14.9	14.6	15.9
- NATIONAL.....	4.2	4.8	4.6	4.8	4.8	4.8	4.1	3.7	3.5	3.5	3.9
- EC 12.....	6.5	7.2	8.6	9.6	10.3	12.0	11.2	8.8	7.7	8.5	9.2
- THIRD COUNTRIES.....	1.2	1.5	1.8	1.5	1.8	1.3	1.3	2.1	3.7	2.6	2.8
FINAL USERS.....	23.6	20.0	21.1	23.1	23.9	21.8	22.5	21.0	17.4	18.6	19.5
- NATIONAL.....	2.6	1.6	1.7	1.6	1.7	1.1	1.5	1.6	0.9	1.2	1.1
- EC 12.....	1.3	1.5	2.9	2.0	2.5	1.8	1.5	1.7	0.7	1.6	1.5
- THIRD COUNTRIES.....	19.8	16.9	16.5	19.5	19.7	18.9	19.5	17.7	15.8	15.9	16.9
TOTAL.....	54.9	56.8	54.1	53.5	54.1	54.0	52.9	51.3	46.8	49.2	49.8
EC PUBLIC MARKET.....(1)	19.8	23.8	20.2	15.9	15.2	15.1	14.6	16.4	14.7	16.8	15.2
EC COMMERCIAL MARKET..(2)	14.1	14.7	15.7	16.6	17.4	18.7	17.6	15.0	12.6	13.9	14.8
EXPORTS.....(3)	21.0	18.3	18.2	21.0	21.5	20.2	20.8	19.8	19.5	18.5	19.8

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

SPACE SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	110	115	229	242	351	450	471	734	475	627	674
- R-D CONTRACTS.....	90	86	210	152	214	259	281	477	232	332	363
- MODIFICATIONS, REPAIRS, MAINTENANCE	0	3	5	1	3	5	6	19	16	20	18
- SALES.....	20	25	15	90	134	185	183	238	227	275	292
AEROSPACE MANUFACTURERS..	135	152	196	277	534	509	507	662	833	799	882
- NATIONAL.....	32	55	56	102	147	95	106	212	253	266	294
- EC 12.....	94	91	120	159	362	353	342	418	522	459	511
- THIRD COUNTRIES.....	9	6	20	16	24	61	59	32	58	74	78
FINAL USERS.....	114	165	218	256	161	174	332	525	877	542	584
- NATIONAL.....	9	6	10	14	13	17	95	219	342	171	207
- EC 12.....	48	115	145	180	81	91	185	221	171	160	176
- THIRD COUNTRIES.....	56	44	62	62	67	66	52	85	365	211	201
TOTAL.....	359	432	643	775	1,046	1,132	1,310	1,921	2,185	1,969	2,140
EC PUBLIC MARKET.....(1)	110	115	230	242	351	450	471	734	475	628	674
EC COMMERCIAL MARKET..(2)	183	267	332	455	603	555	728	1,070	1,288	1,056	1,187
EXPORTS.....(3)	65	50	82	77	91	127	111	117	423	285	279

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

SPACE SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	30.7	26.6	35.7	31.2	33.6	39.7	35.9	38.2	21.7	31.9	31.5
- R-D CONTRACTS.....	25.1	19.9	32.6	19.6	20.5	22.9	21.5	24.8	10.6	16.9	17.0
- MODIFICATIONS, REPAIRS, MAINTENANCE	0.1	0.8	0.7	0.1	0.3	0.5	0.5	1.0	0.7	1.0	0.9
- SALES.....	5.6	5.9	2.4	11.6	12.8	16.4	14.0	12.4	10.4	13.9	13.7
AEROSPACE MANUFACTURERS..	37.5	35.2	30.5	35.7	51.0	44.9	38.7	34.5	38.1	40.6	41.2
- NATIONAL.....	9.0	12.8	8.8	13.2	14.1	8.4	8.1	11.0	11.6	13.5	13.7
- EC 12.....	26.1	21.0	18.6	20.5	34.6	31.1	26.1	21.7	23.9	23.3	23.9
- THIRD COUNTRIES.....	2.5	1.4	3.1	2.0	2.3	5.4	4.5	1.7	2.7	3.8	3.6
FINAL USERS.....	31.8	38.2	33.9	33.0	15.4	15.3	25.3	27.3	40.1	27.5	27.3
- NATIONAL.....	2.6	1.3	1.6	1.9	1.2	1.5	7.3	11.4	15.6	8.7	9.7
- EC 12.....	13.4	26.7	22.6	23.2	7.8	8.1	14.1	11.5	7.8	8.1	8.2
- THIRD COUNTRIES.....	15.7	10.1	9.7	7.9	6.4	5.8	4.0	4.4	16.7	10.7	9.4
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	30.7	26.6	35.7	31.2	33.6	39.7	35.9	38.2	21.7	31.9	31.5
EC COMMERCIAL MARKET..(2)	51.0	61.9	51.6	58.8	57.7	49.0	55.6	55.7	58.9	53.6	55.5
EXPORTS.....(3)	18.2	11.5	12.7	10.0	8.7	11.2	8.5	6.1	19.4	14.5	13.0

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

SPACE SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	0.9	0.8	1.1	1.0	1.2	1.5	1.4	2.1	1.2	1.5	1.5
- R-D CONTRACTS.....	0.7	0.6	1.0	0.6	0.8	0.9	0.9	1.3	0.6	0.8	0.8
- MODIFICATIONS, REPAIRS, MAINTENANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
- SALES.....	0.2	0.2	0.1	0.4	0.5	0.6	0.6	0.7	0.6	0.7	0.6
AEROSPACE MANUFACTURERS..	1.0	1.0	1.0	1.1	1.9	1.7	1.6	1.9	2.1	1.9	1.9
- NATIONAL.....	0.3	0.4	0.3	0.4	0.5	0.3	0.3	0.6	0.6	0.6	0.6
- EC 12.....	0.7	0.6	0.6	0.6	1.3	1.2	1.1	1.2	1.3	1.1	1.1
- THIRD COUNTRIES.....	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2
FINAL USERS.....	0.9	1.1	1.1	1.0	0.6	0.6	1.0	1.5	2.2	1.3	1.3
- NATIONAL.....	0.1	0.0	0.1	0.1	0.0	0.1	0.3	0.6	0.9	0.4	0.4
- EC 12.....	0.4	0.8	0.7	0.7	0.3	0.3	0.6	0.6	0.4	0.4	0.4
- THIRD COUNTRIES.....	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.9	0.5	0.4
TOTAL.....	2.8	2.8	3.2	3.0	3.7	3.8	4.0	5.4	5.5	4.7	4.7
EC PUBLIC MARKET.....(1)	0.9	0.8	1.1	1.0	1.2	1.5	1.4	2.1	1.2	1.5	1.5
EC COMMERCIAL MARKET..(2)	1.4	1.8	1.6	1.8	2.1	1.8	2.2	3.0	3.2	2.5	2.6
EXPORTS.....(3)	0.5	0.3	0.4	0.3	0.3	0.4	0.3	0.3	1.1	0.7	0.6

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

ENGINE SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	917	907	1,213	1,175	1,281	1,255	1,366	1,351	1,534	1,824	1,795
- R-D CONTRACTS.....	344	358	290	324	346	375	290	322	252	441	383
- MODIFICATIONS, REPAIRS, MAINTENANCE	157	164	286	297	325	326	383	367	350	507	466
- SALES.....	416	385	637	553	610	555	694	662	933	875	946
AEROSPACE MANUFACTURERS..	1,065	1,354	1,722	2,704	2,966	2,828	3,250	3,477	3,786	3,500	4,074
- NATIONAL.....	339	510	627	877	975	738	775	951	884	930	1,077
- EC 12.....	511	556	573	1,041	1,156	1,205	1,398	1,263	1,365	1,339	1,523
- THIRD COUNTRIES.....	216	288	522	786	836	886	1,078	1,263	1,537	1,231	1,474
FINAL USERS.....	699	761	1,063	1,149	1,394	1,165	1,212	1,822	1,861	1,889	1,987
- NATIONAL.....	203	221	286	234	214	294	237	293	440	362	373
- EC 12.....	52	71	164	146	213	143	124	108	120	281	245
- THIRD COUNTRIES.....	443	469	612	769	967	728	851	1,420	1,301	1,246	1,368
TOTAL.....	2,682	3,022	3,998	5,028	5,642	5,249	5,829	6,649	7,181	7,213	7,856
EC PUBLIC MARKET.....(1)	952	962	1,337	1,287	1,358	1,334	1,434	1,380	1,607	2,027	1,958
EC COMMERCIAL MARKET..(2)	1,070	1,303	1,528	2,186	2,481	2,301	2,466	2,587	2,736	2,708	3,056
EXPORTS.....(3)	659	757	1,134	1,555	1,803	1,613	1,929	2,682	2,838	2,477	2,842

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

ENGINE SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	34.2	30.0	30.3	23.4	22.7	23.9	23.4	20.3	21.4	25.3	22.9
- R-D CONTRACTS.....	12.8	11.8	7.3	6.4	6.1	7.1	5.0	4.8	3.5	6.1	4.9
- MODIFICATIONS, REPAIRS, MAINTENANCE	5.9	5.4	7.2	5.9	5.8	6.2	6.6	5.5	4.9	7.0	5.9
- SALES.....	15.5	12.7	15.9	11.0	10.8	10.6	11.9	10.0	13.0	12.1	12.0
AEROSPACE MANUFACTURERS..	39.7	44.8	43.1	53.8	52.6	53.9	55.8	52.3	52.7	48.5	51.9
- NATIONAL.....	12.6	16.9	15.7	17.4	17.3	14.1	13.3	14.3	12.3	12.9	13.7
- EC 12.....	19.0	18.4	14.3	20.7	20.5	23.0	24.0	19.0	19.0	18.6	19.4
- THIRD COUNTRIES.....	8.1	9.5	13.1	15.6	14.8	16.9	18.5	19.0	21.4	17.1	18.8
FINAL USERS.....	26.1	25.2	26.6	22.8	24.7	22.2	20.8	27.4	25.9	26.2	25.3
- NATIONAL.....	7.6	7.3	7.2	4.6	3.8	5.6	4.1	4.4	6.1	5.0	4.8
- EC 12.....	2.0	2.4	4.1	2.9	3.8	2.7	2.1	1.6	1.7	3.9	3.1
- THIRD COUNTRIES.....	16.5	15.5	15.3	15.3	17.1	13.9	14.6	21.4	18.1	17.3	17.4
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	35.5	31.8	33.4	25.6	24.1	25.4	24.6	20.8	22.4	28.1	24.9
EC COMMERCIAL MARKET..(2)	39.9	43.1	38.2	43.5	44.0	43.8	42.3	38.9	38.1	37.5	38.9
EXPORTS.....(3)	24.6	25.0	28.4	30.9	32.0	30.7	33.1	40.3	39.5	34.3	36.2

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

ENGINE SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	7.1	6.0	5.9	4.6	4.5	4.2	4.2	3.8	3.8	4.4	3.9
- R-D CONTRACTS.....	2.7	2.3	1.4	1.3	1.2	1.2	0.9	0.9	0.6	1.1	0.8
- MODIFICATIONS, REPAIRS, MAINTENANCE	1.2	1.1	1.4	1.2	1.1	1.1	1.2	1.0	0.9	1.2	1.0
- SALES.....	3.2	2.5	3.1	2.2	2.1	1.8	2.1	1.9	2.3	2.1	2.1
AEROSPACE MANUFACTURERS..	8.3	8.9	8.4	10.6	10.4	9.4	10.0	9.8	9.5	8.4	8.9
- NATIONAL.....	2.6	3.4	3.1	3.5	3.4	2.4	2.4	2.7	2.2	2.2	2.3
- EC 12.....	4.0	3.7	2.8	4.1	4.1	4.0	4.3	3.6	3.4	3.2	3.3
- THIRD COUNTRIES.....	1.7	1.9	2.6	3.1	2.9	2.9	3.3	3.6	3.9	3.0	3.2
FINAL USERS.....	5.4	5.0	5.2	4.5	4.9	3.9	3.7	5.1	4.7	4.5	4.3
- NATIONAL.....	1.6	1.4	1.4	0.9	0.8	1.0	0.7	0.8	1.1	0.9	0.8
- EC 12.....	0.4	0.5	0.8	0.6	0.7	0.5	0.4	0.3	0.3	0.7	0.5
- THIRD COUNTRIES.....	3.5	3.1	3.0	3.0	3.4	2.4	2.6	4.0	3.3	3.0	3.0
TOTAL.....	20.9	19.9	19.6	19.8	19.9	17.4	17.9	18.8	18.0	17.3	17.1
EC PUBLIC MARKET.....(1)	7.4	6.3	6.6	5.1	4.8	4.4	4.4	3.9	4.0	4.9	4.3
EC COMMERCIAL MARKET..(2)	8.3	8.6	7.5	8.6	8.7	7.6	7.6	7.3	6.9	6.5	6.7
EXPORTS.....(3)	5.1	5.0	5.6	6.1	6.3	5.3	5.9	7.6	7.1	5.9	6.2

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

EQUIPMENT SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	834	866	1,434	1,663	1,837	2,234	2,955	2,947	4,120	4,563	4,860
- R-D CONTRACTS.....	236	237	444	451	456	546	714	661	1,119	1,321	1,345
- MODIFICATIONS, REPAIRS, MAINTENANCE	163	153	210	253	266	278	390	456	629	647	695
- SALES.....	435	476	779	958	1,115	1,410	1,850	1,831	2,373	2,595	2,820
AEROSPACE MANUFACTURERS..	1,401	1,717	2,546	3,412	3,586	3,973	4,141	4,423	5,813	5,725	6,170
- NATIONAL.....	960	1,115	1,521	1,847	2,026	2,334	2,439	2,359	3,478	3,464	3,552
- EC 12.....	317	410	679	1,015	1,080	1,120	1,025	1,131	1,482	1,315	1,488
- THIRD COUNTRIES.....	124	192	346	549	480	519	678	933	854	946	1,131
FINAL USERS.....	523	534	730	942	923	1,297	1,104	1,337	1,932	1,686	2,036
- NATIONAL.....	148	150	201	219	211	204	291	340	413	504	526
- EC 12.....	89	93	131	167	153	145	148	162	444	305	321
- THIRD COUNTRIES.....	286	291	398	556	558	947	665	836	1,075	877	1,189
TOTAL.....	2,758	3,117	4,710	6,017	6,346	7,504	8,200	8,708	11,866	11,974	13,067
EC PUBLIC MARKET.....(1)	898	908	1,508	1,752	1,951	2,338	3,019	3,037	4,411	4,754	5,077
EC COMMERCIAL MARKET..(2)	1,450	1,726	2,458	3,160	3,357	3,699	3,838	3,902	5,526	5,398	5,670
EXPORTS.....(3)	409	483	744	1,105	1,037	1,466	1,343	1,769	1,929	1,823	2,320

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

EQUIPMENT SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	30.2	27.8	30.4	27.6	29.0	29.8	36.0	33.8	34.7	38.1	37.2
- R-D CONTRACTS.....	8.6	7.6	9.4	7.5	7.2	7.3	8.7	7.6	9.4	11.0	10.3
- MODIFICATIONS, REPAIRS, MAINTENANCE	5.9	4.9	4.5	4.2	4.2	3.7	4.8	5.2	5.3	5.4	5.3
- SALES.....	15.8	15.3	16.5	15.9	17.6	18.8	22.6	21.0	20.0	21.7	21.6
AEROSPACE MANUFACTURERS..	50.8	55.1	54.1	56.7	56.5	52.9	50.5	50.8	49.0	47.8	47.2
- NATIONAL.....	34.8	35.8	32.3	30.7	31.9	31.1	29.7	27.1	29.3	28.9	27.2
- EC 12.....	11.5	13.2	14.4	16.9	17.0	14.9	12.5	13.0	12.5	11.0	11.4
- THIRD COUNTRIES.....	4.5	6.2	7.4	9.1	7.6	6.9	8.3	10.7	7.2	7.9	8.7
FINAL USERS.....	19.0	17.1	15.5	15.7	14.5	17.3	13.5	15.4	16.3	14.1	15.6
- NATIONAL.....	5.4	4.8	4.3	3.6	3.3	2.7	3.5	3.9	3.5	4.2	4.0
- EC 12.....	3.2	3.0	2.8	2.8	2.4	1.9	1.8	1.9	3.7	2.5	2.5
- THIRD COUNTRIES.....	10.4	9.3	8.4	9.2	8.8	12.6	8.1	9.6	9.1	7.3	9.1
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EC PUBLIC MARKET.....(1)	32.6	29.1	32.0	29.1	30.8	31.2	36.8	34.9	37.2	39.7	38.9
EC COMMERCIAL MARKET..(2)	52.6	55.4	52.2	52.5	52.9	49.3	46.8	44.8	46.6	45.1	43.4
EXPORTS.....(3)	14.8	15.5	15.8	18.4	16.3	19.5	16.4	20.3	16.3	15.2	17.8

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL AEROSPACE TURNOVER

EQUIPMENT SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
STATE.....	6.5	5.7	7.0	6.5	6.5	7.4	9.1	8.3	10.3	11.0	10.6
- R-D CONTRACTS.....	1.8	1.6	2.2	1.8	1.6	1.8	2.2	1.9	2.8	3.2	2.9
- MODIFICATIONS, REPAIRS, MAINTENANCE	1.3	1.0	1.0	1.0	0.9	0.9	1.2	1.3	1.6	1.6	1.5
- SALES.....	3.4	3.1	3.8	3.8	3.9	4.7	5.7	5.2	5.9	6.2	6.1
AEROSPACE MANUFACTURERS..	10.9	11.3	12.5	13.4	12.6	13.2	12.7	12.5	14.6	13.7	13.4
- NATIONAL.....	7.5	7.3	7.5	7.3	7.1	7.7	7.5	6.7	8.7	8.3	7.7
- EC 12.....	2.5	2.7	3.3	4.0	3.8	3.7	3.1	3.2	3.7	3.2	3.2
- THIRD COUNTRIES.....	1.0	1.3	1.7	2.2	1.7	1.7	2.1	2.6	2.1	2.3	2.5
FINAL USERS.....	4.1	3.5	3.6	3.7	3.2	4.3	3.4	3.8	4.8	4.0	4.4
- NATIONAL.....	1.2	1.0	1.0	0.9	0.7	0.7	0.9	1.0	1.0	1.2	1.1
- EC 12.....	0.7	0.6	0.6	0.7	0.5	0.5	0.5	0.5	1.1	0.7	0.7
- THIRD COUNTRIES.....	2.2	1.9	1.9	2.2	2.0	3.1	2.0	2.4	2.7	2.1	2.6
TOTAL.....	21.5	20.5	23.1	23.7	22.3	24.9	25.2	24.6	29.7	28.7	28.4
EC PUBLIC MARKET.....(1)	7.0	6.0	7.4	6.9	6.9	7.7	9.3	8.6	11.1	11.4	11.1
EC COMMERCIAL MARKET..(2)	11.3	11.3	12.1	12.4	11.8	12.3	11.8	11.0	13.8	13.0	12.3
EXPORTS.....(3)	3.2	3.2	3.6	4.3	3.7	4.9	4.1	5.0	4.8	4.4	5.1

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF PUBLIC SUPPORT TO THE AEROSPACE INDUSTRY BY CONTRACT TYPE

(MIO ECU AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
EC 12											
R-D.....	1,439	1,850	2,038	2,061	2,153	2,492	2,862	3,087	3,526	4,488	4,347
- CIVIL.....	197	187	334	276	347	334	357	547	711	1,076	1,049
- MILITARY.....	1,243	1,662	1,704	1,785	1,807	2,157	2,505	2,540	2,815	3,412	3,298
SALES AND MAINTENANCE.	3,059	3,752	5,159	5,271	5,830	6,181	6,800	7,878	8,849	9,937	10,346
- CIVIL.....	197	543	246	296	331	562	386	391	746	855	956
- MILITARY.....	2,861	3,209	4,913	4,975	5,499	5,619	6,414	7,487	8,103	9,082	9,390
TOTAL.....	4,498	5,602	7,197	7,331	7,983	8,673	9,662	10,965	12,375	14,425	14,693
AS % OF FINAL TURNOVER	41.0%	43.7%	41.7%	34.3%	33.4%	33.9%	34.6%	35.8%	36.5%	40.7%	37.5%
USA											
R-D.....	4,484	4,261	4,760	7,639	9,978	11,688	15,498	17,987	12,294	-	16,250
SALES AND MAINTENANCE.	9,512	9,728	12,434	18,666	26,648	34,941	42,310	51,523	44,481	-	-
TOTAL.....	13,996	13,988	17,194	26,305	36,626	46,629	57,808	69,511	56,775	-	-
AS % OF TURNOVER.....	57.2%	49.9%	50.5%	53.6%	61.1%	64.7%	68.7%	67.3%	65.7%	-	-

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF PUBLIC SUPPORT TO THE AEROSPACE INDUSTRY BY CONTRACT TYPE

(AS % OF TOTAL SUPPORT)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
EC 12											
R-D.....	32.0	33.0	28.3	28.1	27.0	28.7	29.6	28.2	28.5	31.1	29.6
- CIVIL.....	4.4	3.3	4.6	3.8	4.3	3.9	3.7	5.0	5.7	7.5	7.1
- MILITARY.....	27.6	29.7	23.7	24.3	22.6	24.9	25.9	23.2	22.7	23.7	22.4
SALES AND MAINTENANCE.	68.0	67.0	71.7	71.9	73.0	71.3	70.4	71.8	71.5	68.9	70.4
- CIVIL.....	4.4	9.7	3.4	4.0	4.1	6.5	4.0	3.6	6.0	5.9	6.5
- MILITARY.....	63.6	57.3	68.3	67.9	68.9	64.8	66.4	68.3	65.5	63.0	63.9
USA											
R-D.....	32.0	30.5	27.7	29.0	27.2	25.1	26.8	25.9	21.7	-	-
SALES AND MAINTENANCE.	68.0	69.5	72.3	71.0	72.8	74.9	73.2	74.1	78.3	-	-

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF PUBLIC SUPPORT FOR THE EC AEROSPACE INDUSTRY BY CONTRACT AND SUBSECTOR

(MIO ECU AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
AIRFRAMES AND MISSILES											
- R-D.....CIVIL...	69	70	101	103	103	123	53	47	266	442	408
MILITARY...	701	1,099	992	1,030	1,034	1,189	1,524	1,580	1,658	1,952	1,847
- SALES +.....CIVIL...	112	455	106	95	129	285	118	87	165	139	241
MAINTENANCE....MILITARY...	1,597	1,933	2,500	2,468	2,548	2,651	2,790	3,836	3,694	4,120	4,097
- INTRA-EC MILITARY SALES...	58	61	423	354	508	303	254	264	99	363	391
TOTAL.....	2,538	3,617	4,122	4,051	4,323	4,551	4,739	5,814	5,882	7,016	6,984
SPACE											
- R-D.....CIVIL...	86	83	196	145	208	180	275	470	229	327	357
MILITARY...	4	3	14	7	6	79	6	7	3	5	6
- SALES +.....CIVIL...	19	25	6	85	108	177	183	181	155	232	260
MAINTENANCE....MILITARY...	2	4	14	6	29	14	6	76	88	63	51
- INTRA-EC MILITARY SALES...	0	0	0	0	0	0	0	0	0	0	0
TOTAL.....	110	115	230	242	351	450	471	734	475	628	674
ENGINES											
- R-D.....CIVIL...	36	29	29	21	31	24	16	20	33	76	48
MILITARY...	308	328	261	303	315	351	273	302	218	365	336
- SALES +.....CIVIL...	21	29	72	56	45	28	31	24	111	104	91
MAINTENANCE....MILITARY...	552	520	851	794	890	852	1,046	1,006	1,172	1,279	1,321
- INTRA-EC MILITARY SALES...	35	55	123	112	76	78	68	29	73	204	163
TOTAL.....	952	962	1,337	1,287	1,358	1,334	1,434	1,380	1,607	2,027	1,958
EQUIPMENT											
- R-D.....CIVIL...	6	5	7	7	4	7	13	10	182	231	236
MILITARY...	230	232	437	445	451	539	701	651	936	1,090	1,109
- SALES +.....CIVIL...	45	35	63	60	48	72	53	99	316	379	364
MAINTENANCE....MILITARY...	553	594	927	1,152	1,333	1,617	2,187	2,188	2,685	2,863	3,151
- INTRA-EC MILITARY SALES...	65	42	74	89	114	104	64	89	291	190	216
TOTAL.....	898	908	1,508	1,752	1,951	2,338	3,019	3,037	4,411	4,754	5,077

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF PUBLIC SUPPORT FOR THE EC AEROSPACE INDUSTRY BY CONTRACT AND SUBSECTOR

(AS % OF SUBSECTOR)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987E	1988E
AIRFRAMES AND MISSILES											
- R-D.....CIVIL...	2.7	1.9	2.4	2.5	2.4	2.7	1.1	0.8	4.5	6.3	5.8
MILITARY...	27.6	30.4	24.1	25.4	23.9	26.1	32.2	27.2	28.2	27.8	26.4
- SALES +.....CIVIL...	4.4	12.6	2.6	2.3	3.0	6.3	2.5	1.5	2.8	2.0	3.4
MAINTENANCE...MILITARY...	62.9	53.4	60.6	60.9	58.9	58.2	58.9	66.0	62.8	58.7	58.7
- INTRA-EC MILITARY SALES...	2.3	1.7	10.3	8.7	11.8	6.7	5.4	4.5	1.7	5.2	5.6
TOTAL (AS % OF GRAND TOTAL).	56.4	64.6	57.3	55.2	54.1	52.5	49.0	53.0	47.5	48.6	47.5
SPACE											
- R-D.....CIVIL...	78.1	72.0	85.4	59.9	59.2	40.1	58.4	64.0	48.2	52.1	52.9
MILITARY...	3.5	2.9	5.9	2.8	1.8	17.5	1.4	0.9	0.6	0.8	0.9
- SALES +.....CIVIL...	16.9	21.6	2.4	35.1	30.9	39.3	38.9	24.7	32.6	37.0	38.6
MAINTENANCE...MILITARY...	1.5	3.5	6.1	2.3	8.1	3.2	1.3	10.3	18.6	10.0	7.5
- INTRA-EC MILITARY SALES...	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (AS % OF GRAND TOTAL).	21.2	17.2	18.6	17.5	17.0	15.4	14.8	12.6	13.0	14.1	13.3
ENGINES											
- R-D.....CIVIL...	3.8	3.1	2.2	1.7	2.3	1.8	1.1	1.5	2.1	3.8	2.4
MILITARY...	32.4	34.1	19.5	23.5	23.2	26.3	19.1	21.9	13.6	18.0	17.1
- SALES +.....CIVIL...	2.2	3.0	5.4	4.4	3.3	2.1	2.2	1.7	6.9	5.1	4.6
MAINTENANCE...MILITARY...	58.0	54.1	63.7	61.7	65.6	63.9	72.9	72.9	72.9	63.1	67.4
- INTRA-EC MILITARY SALES...	3.6	5.7	9.2	8.7	5.6	5.9	4.7	2.1	4.5	10.1	8.3
TOTAL (AS % OF GRAND TOTAL).	20.0	16.2	21.0	23.9	24.4	27.0	31.2	27.7	35.6	33.0	34.6
EQUIPMENT											
- R-D.....CIVIL...	0.6	0.5	0.5	0.4	0.2	0.3	0.4	0.3	4.1	4.9	4.7
MILITARY...	25.6	25.6	29.0	25.4	23.1	23.0	23.2	21.4	21.2	22.9	21.8
- SALES +.....CIVIL...	5.0	3.8	4.1	3.4	2.5	3.1	1.8	3.2	7.2	8.0	7.2
MAINTENANCE...MILITARY...	61.5	65.5	61.5	65.7	68.3	69.1	72.5	72.0	60.9	60.2	62.1
- INTRA-EC MILITARY SALES...	7.2	4.6	4.9	5.1	5.9	4.5	2.1	2.9	6.6	4.0	4.3
TOTAL (AS % OF GRAND TOTAL).	2.5	2.1	3.2	3.3	4.4	5.2	4.9	6.7	3.8	4.4	4.6

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

INDICATOR OF THE LEVEL OF INTRA-EUROPEAN COOPERATION IN AEROSPACE SECTOR

PROPORTION OF OVERALL TURNOVER OF EACH MEMBER STATE EXPORTED TO
INDUSTRIAL UNDERTAKINGS IN OTHER EC 12 MEMBER STATES (*)

(AS % OF OVERALL TURNOVER)

	BE	DE	ES	FR	IT	NL	UK	EC 12
1978	33.9	24.8	18.0	7.1	12.9	11.5	15.8	13.7
1979	25.9	20.3	24.7	8.0	9.2	11.0	18.1	14.2
1980	17.1	29.6	26.0	7.6	21.8	12.4	15.0	15.3
1981	17.8	36.0	27.9	8.0	12.5	15.2	21.1	18.3
1982	17.1	38.4	20.4	6.9	11.2	15.9	24.0	19.4
1983	19.8	39.0	28.7	8.8	19.6	12.7	24.8	20.9
1984	27.6	38.6	18.5	7.5	21.2	9.5	22.8	19.7
1985	27.6	33.5	18.4	4.0	25.4	5.4	18.7	16.7
1986	32.3	24.2	18.6	5.3	25.5	4.8	18.7	16.1
1987	33.3	21.9	15.3	6.1	22.6	9.5	19.2	16.0
1988	24.1	23.3	19.8	6.2	22.7	12.5	20.6	16.9

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(*) 1987-88: DG III ESTIMATES

INTRA INDUSTRIAL TRADE IN AEROSPACE PRODUCTS - EXPORTS (MIO ECUS) - BASE: TURNOVER (*)

BELGIUM

	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	-	16.	.	29.7	.2	2.7	1.	.1	49.8
1979	-	12.4	.	39.	.2	2.1	2.6	.	56.4
1980	-	12.7	.	38.8	.4	2.4	2.1	.2	56.6
1981	-	11.1	.	62.1	.1	3.8	.7	.1	77.9
1982	-	7.5	.	57.2	.	3.9	2.	.1	70.7
1983	-	6.6	.	57.6	.	2.7	1.1	.1	68.
1984	-	6.3	.	63.2	3.7	4.3	1.4	.5	79.3
1985	-	4.9	.	87.5	1.6	4.3	1.4	.	99.8
1986	-	11.7	.	84.2	1.7	6.3	2.6	2.5	109.1
1987	-	11.4	.	92.	.6	6.6	1.6	.7	112.9
1988	-	9.3	.	61.7	.9	3.9	4.3	.5	80.7

FRG

	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	4.3	-	.	405.3	7.6	30.4	43.9	.	491.5
1979	5.3	-	.	526.	10.3	22.9	59.2	.	623.7
1980	32.6	-	.	746.7	26.9	32.2	157.	.	995.5
1981	2.4	-	.	1,092.3	63.5	56.2	264.6	1.8	1,480.8
1982	6.2	-	.	1,528.5	87.2	70.9	258.4	3.3	1,954.4
1983	7.5	-	.	1,603.1	145.4	45.3	283.5	12.2	2,097.1
1984	805.	-	.	816.5	126.8	63.	359.8	.9	2,172.1
1985	12.3	-	.	1,608.9	108.	86.8	357.2	11.2	2,184.5
1986	33.2	-	.	1,516.3	147.2	98.	551.2	17.	2,362.9
1987	45.5	-	13.	1,604.1	186.6	110.7	636.1	36.2	2,632.3
1988	189.	-	2.1	1,920.8	169.8	98.5	525.3	15.7	2,921.3

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(*) 1987-88: DG III ESTIMATES

INTRA INDUSTRIAL TRADE IN AEROSPACE PRODUCTS - EXPORTS (MIO ECUS) - BASE: TURNOVER (*)

SPAIN

	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	.	.3	-	18.4	.	.1	.	.	18.8
1979	.	1.7	-	30.7	.	.1	.	.	32.5
1980	.1	3.3	-	44.	.	.4	.	.	47.8
1981	.1	4.2	-	69.	73.3
1982	.	3.1	-	68.9	.3	.9	.	.	73.2
1983	.	3.9	-	94.8	.7	.3	.	.	99.7
1984	.	3.2	-	65.	.2	.4	.6	.	69.4
1985	.	3.1	-	61.8	.2	.4	.6	.	66.
1986	.	2.6	-	52.4	.2	.3	.5	.	56.
1987	.1	2.5	-	61.4	.4	.7	2.8	.	68.
1988	.1	3.9	-	75.9	.2	.5	1.	.	81.6

FRANCE

	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	20.2	153.	.	-	8.	22.	159.1	.	362.2
1979	75.3	178.6	.	-	37.6	11.8	160.2	.	463.5
1980	54.5	237.4	.	-	54.4	21.	170.4	17.	554.6
1981	24.8	305.8	.	-	66.4	17.2	257.	34.3	705.5
1982	23.3	288.	.	-	40.3	36.5	275.4	16.3	679.8
1983	90.2	257.3	.	-	75.8	169.6	337.9	22.7	953.5
1984	30.3	323.9	.	-	96.5	128.6	277.8	28.2	885.4
1985	25.8	164.7	.	-	99.8	26.3	111.6	35.3	463.4
1986	45.4	221.8	.	-	118.5	47.6	130.7	48.4	612.5
1987	50.6	281.8	.	-	86.4	91.1	257.9	30.2	797.9
1988	55.	307.5	.	-	95.7	102.8	279.2	33.7	873.9

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(*) 1987-88: DG III ESTIMATES

INTRA INDUSTRIAL TRADE IN AEROSPACE PRODUCTS - EXPORTS (MIO ECUS) - BASE: TURNOVER (*)

ITALY

	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	1.7	57.3	.	14.1	-	1.6	30.5	.	105.2
1979	.1	35.4	.	16.9	-	4.1	33.1	.	89.6
1980	6.9	178.4	.	26.	-	3.8	52.2	.	267.4
1981	1.3	110.6	.	32.9	-	2.9	69.4	.	217.1
1982	2.2	109.7	.	38.2	-	2.6	86.1	.	238.8
1983	.4	341.9	.	49.8	-	3.	124.5	.	519.5
1984	1.6	342.1	.	53.7	-	8.7	180.7	.5	587.4
1985	.5	457.9	.	88.9	-	5.5	225.1	2.7	780.5
1986	1.4	441.1	.	141.7	-	9.2	274.8	4.1	872.4
1987	1.6	490.5	.	83.6	-	7.3	231.5	1.6	816.1
1988	1.5	492.9	.	110.8	-	8.4	259.6	2.7	875.9

NETHERLANDS

	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	.	2.2	.	28.2	.	-	2.8	.	33.2
1979	.	2.1	.	31.5	.	-	3.5	.	37.1
1980	.	2.1	.	39.5	.	-	4.4	.	46.
1981	.8	2.3	.	52.8	.	-	10.4	.	66.2
1982	2.8	2.7	.	66.1	.	-	6.5	.	78.1
1983	.8	3.4	.	65.7	.	-	7.9	.	77.8
1984	.	.	.	41.6	.	-	14.7	.	56.3
1985	.	.	.	18.3	.	-	10.4	.	28.7
1986	.	.	.	20.8	.	-	7.1	.	27.9
1987	.4	2.6	.	34.7	.	-	5.7	.	43.4
1988	1.8	5.1	.	89.6	.	-	14.	.	110.5

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(*) 1987-88: DG III ESTIMATES

INTRA INDUSTRIAL TRADE IN AEROSPACE PRODUCTS - EXPORTS (M10 ECUS) - BASE: TURNOVER (*)

UNITED-KINGDOM

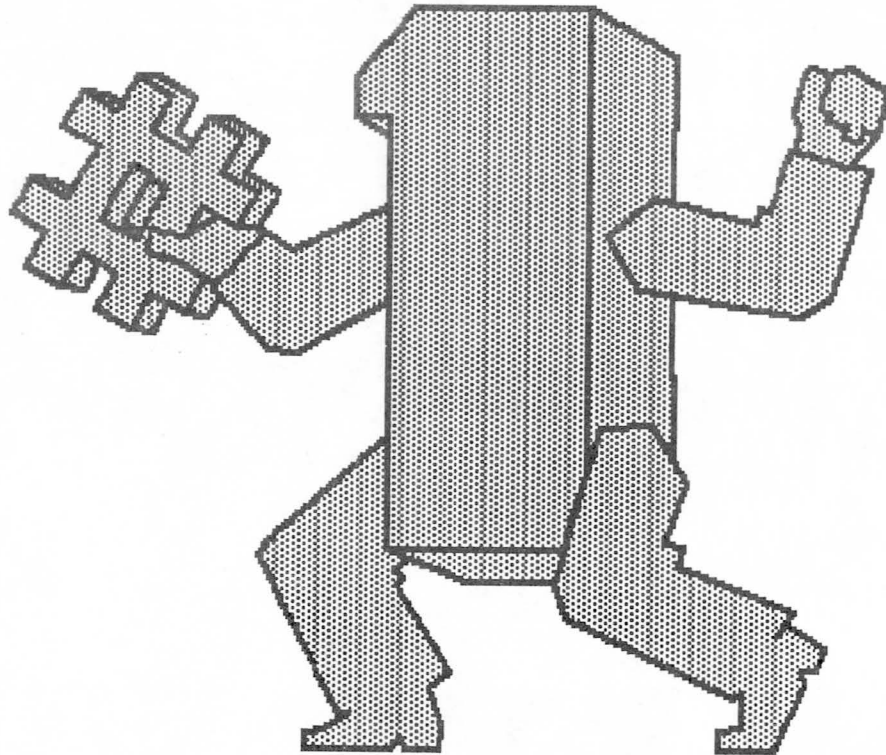
	BE	DE	ES	FR	IT	NL	UK	OTHER EC COUNTRIES	TOTAL EC 12
1978	1.1	527.3	.	101.5	19.3	41.9	-	.	691.2
1979	.8	654.	.	126.9	22.5	37.2	-	.	841.4
1980	1.3	805.1	.	211.7	43.4	80.2	-	.	1,141.7
1981	2.5	1,562.5	.	261.5	93.7	94.9	-	.	2,015.1
1982	.8	1,693.8	.	353.1	93.2	273.4	-	.4	2,414.7
1983	1.3	1,715.7	.	437.2	70.6	253.7	-	.	2,478.6
1984	1.1	1,837.	.	453.2	76.5	188.2	-	.	2,555.9
1985	.8	1,645.2	.	350.5	65.2	187.5	-	.	2,249.3
1986	1.8	1,627.2	.	295.4	89.	233.8	-	.	2,247.2
1987	1.2	1,883.7	.	384.1	89.8	234.2	-	.1	2,593.1
1988	1.3	2,074.9	.	420.7	98.9	258.3	-	.1	2,854.3

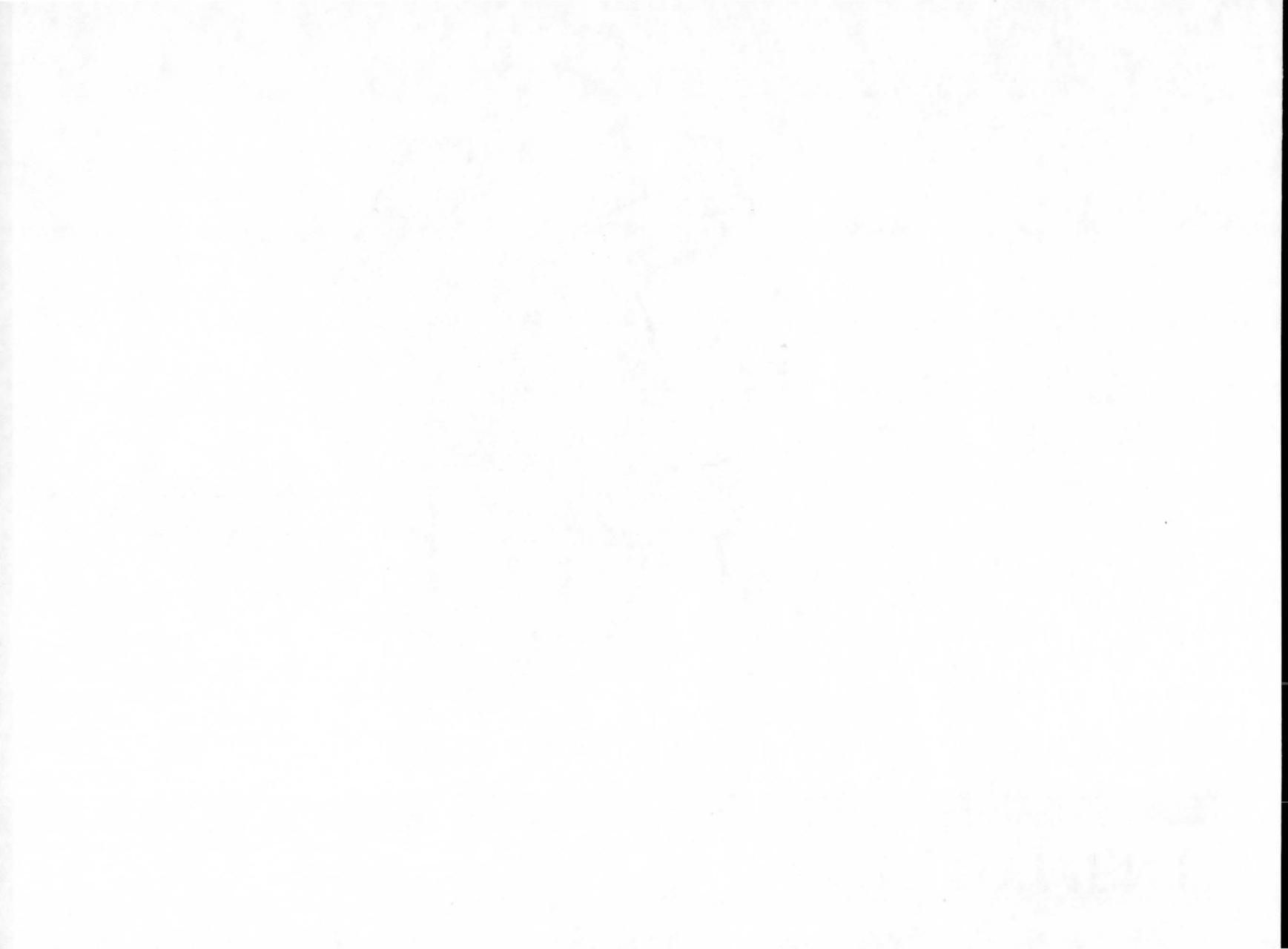
EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(*) 1987-88: DG III ESTIMATES



EMPLOYMENT





1. The annual survey conducted in conjunction with the national industrial associations enables the employment in the European aerospace industry to be broken down by professional and activity categories. Participants to this survey are the aerospace companies whose turnover concerns (partly or entirely) one or more of the groups of products listed in the columns of the tables.

2. The **PROFESSIONAL CATEGORIES** are the following:

---> **engineers and managers,**

---> **technical employees** comprise technicians, draughtsmen, craftsmen, supervisors, foremen, etc.

---> **administrative employees** comprise clerical and office staff, etc.

---> **production workers** (skilled and unskilled)

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

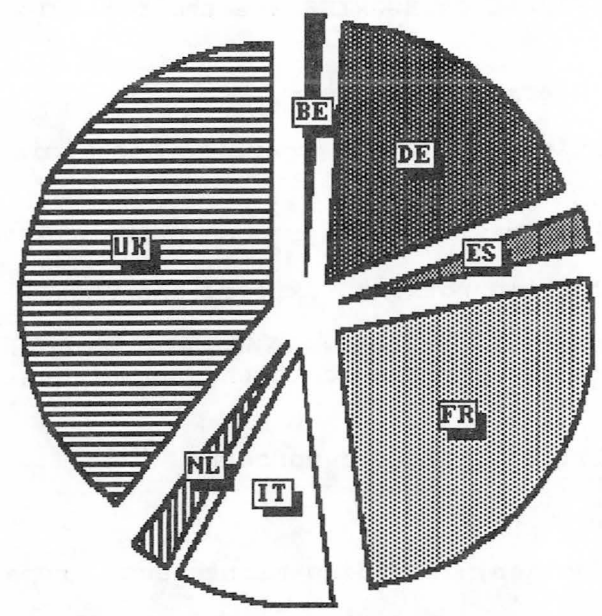
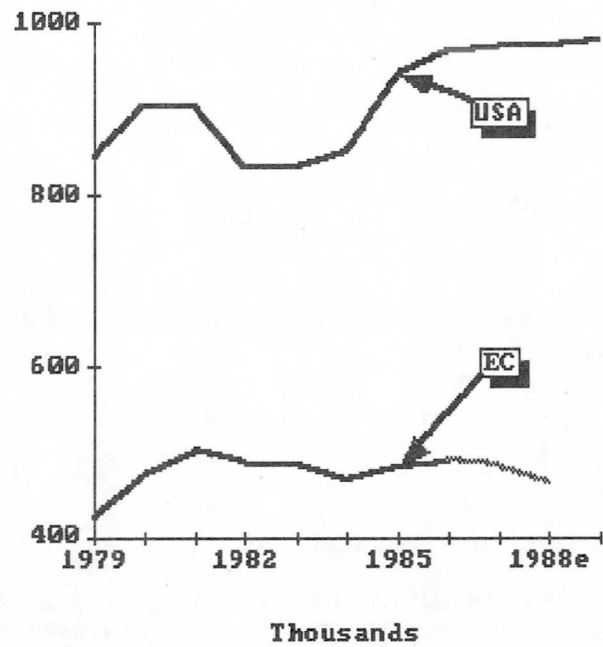
The **ACTIVITIES** considered concern:

---> **R&D,**

---> **production,** including maintenance, repairs and post-delivery modifications,

---> **marketing and management,** including all the activities involved in running the company (overall management, general accounting, financial management, personnel management, etc) in addition to marketing activities and after-sales services.

AEROSPACE EMPLOYMENT



Breakdown by Country
(1988 - Estin.)

EC - DG III

AEROSPACE EMPLOYMENT (AT YEAR-END)

	1971	1972	1973	1974	1975	1976	1977	1978	1979
BELGIUM.....	4,849	4,941	4,380	4,422	4,025	5,015	4,895	5,068	6,272
FRG.....	56,678	52,455	52,985	51,555	51,914	51,367	52,416	56,348	60,866
FRANCE.....	108,646	108,525	105,432	106,769	108,915	107,454	103,295	103,424	106,297
ITALY.....	28,500	30,000	30,000	30,240	30,768	31,991	34,260	36,136	38,370
NETHERLANDS.....	8,000	6,600	7,000	6,555	7,682	7,865	7,320	7,382	7,935
UNITED KINGDOM (2)...	217,800	207,500	201,700	210,100	233,792	227,402	219,261	214,918	196,566
EC 10.....	424,473	410,021	401,497	409,641	437,096	431,094	421,447	423,276	416,306
SPAIN (3).....	-	-	-	-	-	-	-	-	7,331
EC 12.....	-	-	-	-	-	-	-	-	423,637
USA.....	-	-	-	-	-	-	665,000	720,000	842,000
CANADA.....	28,000	28,800	31,700	28,400	27,300	25,300	28,900	33,800	37,700
JAPAN.....	28,000	26,000	26,026	25,550	26,746	25,000	23,756	25,398	25,653

	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
BELGIUM.....	7,032	6,886	6,705	6,127	5,757	5,470	5,743	5,510	5,190
FRG.....	66,086	68,650	66,883	65,677	65,366	77,256	85,021	86,573	84,244
FRANCE.....	110,783	113,690	115,982	127,269	127,815	127,072	126,056	122,317	119,871
ITALY.....	40,924	41,920	42,907	42,546	42,885	43,284	44,780	46,437	47,821
NETHERLANDS.....	8,862	9,706	9,527	8,398	9,055	10,053	10,860	11,709	10,652
UNITED KINGDOM (2)...	229,821	249,863	230,961	222,655	203,313	207,020	204,790	196,915	181,805
EC 10.....	463,508	490,715	472,965	472,672	454,191	470,155	477,250	469,461	449,583
SPAIN (3).....	8,177	9,516	10,216	10,538	10,731	10,993	11,176	11,264	11,463
EC 12.....	471,685	500,231	483,181	483,210	464,922	481,148	488,426	480,725	461,046
USA.....	902,000	900,000	831,000	830,000	850,000	939,000	967,000	972,000	971,000
CANADA.....	46,800	44,800	40,900	38,500	37,400	40,800	45,100	45,700	49,000
JAPAN.....	26,373	27,096	27,865	25,486	25,986	25,981	26,241	27,410	-

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

- (1) 1987-88: DG III ESTIMATES
 (2) 1983-86: DG III ESTIMATES FOR THE SPACE SECTOR
 (3) 1984-86: DG III ESTIMATES

AEROSPACE EMPLOYMENT (AT YEAR-END)

SECTOR : AIRFRAMES AND MISSILES

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
BELGIUM.....	3,423	3,755	3,461	3,329	2,919	2,757	2,577	2,714	2,680	2,822
FRG.....	37,935	40,901	42,472	40,501	38,722	39,411	41,694	44,934	40,698	45,312
FRANCE (2).....	57,930	59,569	60,649	61,445	60,019	60,525	59,807	58,435	58,446	58,178
ITALY.....	24,788	26,524	26,930	28,183	28,255	27,850	26,280	27,087	30,499	31,400
NETHERLANDS.....	5,705	6,375	6,982	6,852	6,039	6,511	7,229	7,809	8,445	7,671
UNITED KINGDOM (3)...	73,875	83,907	92,310	94,953	90,015	81,844	86,799	81,463	71,632	50,608
EC 10.....	203,656	221,031	232,804	235,263	225,969	218,898	224,386	222,442	212,400	195,991
SPAIN (4).....	6,413	7,290	8,553	9,233	9,535	9,598	9,828	9,988	9,936	10,239
EC 12.....	210,069	228,321	241,357	244,496	235,504	228,496	234,214	232,430	222,336	206,230

SECTOR : SPACE

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
BELGIUM.....	290	245	299	364	410	380	434	571	555	337
FRG.....	2,841	2,766	2,681	3,727	4,432	5,067	5,447	5,553	5,896	5,344
FRANCE (2).....	3,575	4,042	4,428	4,917	5,307	6,006	6,695	7,175	7,779	7,565
ITALY.....	482	870	811	914	1,283	1,420	2,280	2,964	1,835	1,940
NETHERLANDS.....	189	209	229	226	201	217	241	260	279	254
UNITED KINGDOM (3)...	4,539	4,417	3,168	3,437	4,764	3,078	2,943	3,801	3,433	3,162
EC 10.....	11,916	12,549	11,616	13,585	16,397	16,168	18,040	20,324	19,777	18,602
SPAIN (4).....	150	146	156	140	156	329	361	382	580	416
EC 12.....	12,066	12,695	11,772	13,725	16,553	16,497	18,401	20,706	20,357	19,018

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

- (1) 1987-88: DG III ESTIMATES
- (2) 1976-83: DG III ADJUSTMENTS TO ESTIMATE THE SPACE SECTOR
- (3) 1983-86: DG III ESTIMATES FOR THE SPACE SECTOR
- (4) 1984-86: DG III ESTIMATES

AEROSPACE EMPLOYMENT (AT YEAR-END)

SECTOR : ENGINES

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
BELGIUM.....	1,807	2,262	2,398	2,357	2,238	2,107	2,053	2,053	1,878	1,505
FRG.....	8,431	8,701	8,955	8,697	7,717	8,434	8,096	8,790	9,481	9,183
FRANCE (2).....	21,146	22,308	23,175	24,055	24,306	24,927	25,461	25,629	24,986	24,881
ITALY.....	5,783	6,037	6,292	5,984	5,803	5,645	6,475	6,086	6,235	6,381
NETHERLANDS.....	0	0	0	0	0	0	0	0	0	0
UNITED KINGDOM (3)...	58,524	62,986	70,942	53,671	51,264	40,630	40,701	38,591	38,225	35,091
EC 10.....	95,691	102,294	111,762	94,764	91,328	81,743	82,786	81,149	80,805	77,041
SPAIN (4).....	214	226	240	259	261	290	297	303	334	312
EC 12.....	95,905	102,520	112,002	95,023	91,589	82,033	83,083	81,452	81,139	77,353

SECTOR : EQUIPMENT

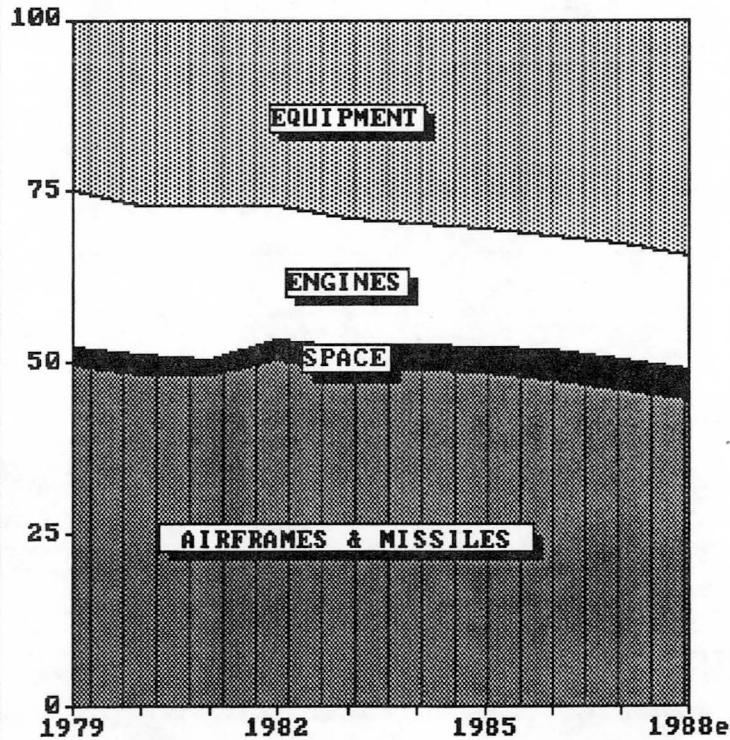
	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
BELGIUM.....	752	770	728	655	560	513	406	405	397	526
FRG.....	11,659	13,718	14,542	13,958	14,806	12,454	22,019	25,744	30,498	24,405
FRANCE (2).....	23,637	24,864	25,438	25,565	37,637	36,357	35,110	34,818	31,106	29,247
ITALY.....	7,317	7,493	7,887	7,826	7,205	7,970	8,249	8,643	7,868	8,100
NETHERLANDS.....	2,041	2,278	2,495	2,449	2,158	2,327	2,583	2,791	2,985	2,727
UNITED KINGDOM (3)...	59,628	78,511	83,443	78,900	76,612	77,761	76,577	80,935	83,626	92,944
EC 10.....	105,034	127,634	134,533	129,353	138,978	137,382	144,944	153,336	156,480	157,949
SPAIN (4).....	554	515	567	584	586	514	507	503	414	496
EC 12.....	105,588	128,149	135,100	129,937	139,564	137,896	145,451	153,839	156,894	158,445

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

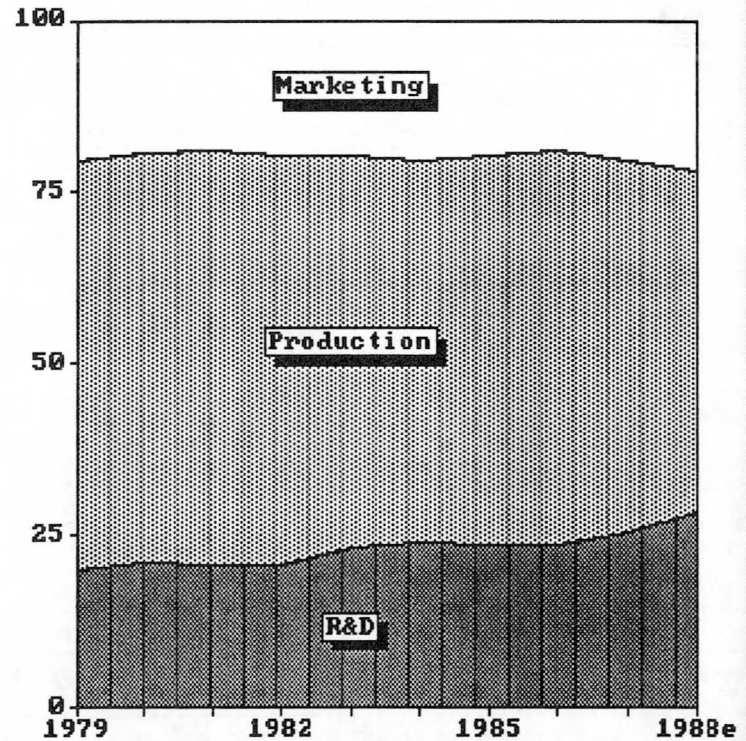
- (1) 1987-88: DG III ESTIMATES
- (2) 1976-83: DG III ADJUSTMENTS TO ESTIMATE THE SPACE SECTOR
- (3) 1983-86: DG III ESTIMATES FOR THE SPACE SECTOR
- (4) 1984-86: DG III ESTIMATES

EC AEROSPACE EMPLOYMENT

BREAKDOWN BY SECTOR



BREAKDOWN BY ACTIVITY



EC - DG III

EC 12 : BREAKDOWN OF WORKFORCE BY OCCUPATIONAL GRADING AND BY MAIN ACTIVITY (AT YEAR-END)

SECTOR : AIRFRAMES AND MISSILES

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
ENGINEERS AND MANAGERS...	29,053	33,700	35,054	36,643	38,823	39,070	39,907	40,084	39,876	41,987
TECHNICAL STAFF.....	48,947	54,064	56,638	61,159	60,423	59,077	57,727	61,947	54,544	51,484
ADMINISTRATIVE STAFF.....	35,030	39,369	40,491	37,321	34,893	35,189	37,144	35,399	36,128	35,464
PRODUCTION WORKERS.....	97,038	101,187	109,173	109,374	101,366	94,920	99,436	95,000	91,081	76,798
R-D.....	34,168	44,589	45,928	47,336	51,330	51,919	48,405	48,953	54,601	63,011
PRODUCTION.....	133,197	140,608	148,388	149,369	137,265	129,168	138,661	137,092	121,074	96,914
MARKETING AND MANAGEMENT.	42,703	43,123	47,041	47,791	46,909	47,169	47,147	46,385	46,779	46,484
TOTAL.....	210,069	228,321	241,357	244,496	235,504	228,256	234,214	232,430	221,628	205,733
TOTAL (*).....	210,069	228,321	241,357	244,496	235,504	228,496	234,214	232,430	222,336	206,230

SECTOR : SPACE

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
ENGINEERS AND MANAGERS...	2,851	3,602	2,839	3,857	4,622	4,290	4,878	5,377	5,632	5,153
TECHNICAL STAFF.....	3,937	3,729	3,573	4,054	5,601	5,233	6,384	7,944	7,396	6,765
ADMINISTRATIVE STAFF.....	1,750	2,048	1,900	2,156	2,385	2,460	3,055	2,426	3,057	2,773
PRODUCTION WORKERS.....	3,528	3,316	3,459	3,658	3,945	4,514	4,084	4,959	4,834	4,640
R-D.....	6,271	7,103	6,633	7,743	9,152	7,529	9,650	10,884	10,513	9,916
PRODUCTION.....	3,928	3,538	3,400	3,873	4,767	6,305	5,327	6,313	6,365	5,847
MARKETING AND MANAGEMENT.	1,868	2,054	1,739	2,110	2,635	2,664	3,426	3,508	3,478	3,256
TOTAL.....	12,066	12,695	11,772	13,725	16,553	16,497	18,401	20,706	20,920	19,331
TOTAL (*).....	12,066	12,695	11,772	13,725	16,553	16,497	18,401	20,706	20,357	19,018

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(*) INCLUDING THE STAFF THE BREAKDOWN OF WHICH IS NOT KNOWN

EC 12 : BREAKDOWN OF WORKFORCE BY OCCUPATIONAL GRADING AND BY MAIN ACTIVITY (AT YEAR-END)

SECTOR : ENGINES

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
ENGINEERS AND MANAGERS...	13,317	14,064	14,113	15,432	15,148	13,890	14,077	13,702	13,470	12,502
TECHNICAL STAFF.....	19,812	19,073	22,743	19,134	21,271	19,226	18,679	18,688	21,495	24,594
ADMINISTRATIVE STAFF.....	12,321	13,762	15,769	11,329	10,934	9,744	11,104	9,728	7,401	3,939
PRODUCTION WORKERS.....	50,455	55,621	58,978	49,129	44,237	39,173	39,222	39,334	38,933	36,390
R-D.....	18,466	15,638	17,503	16,019	17,049	15,760	16,302	15,249	16,232	16,755
PRODUCTION.....	56,160	67,161	73,026	58,343	54,429	48,797	49,024	49,744	47,097	41,825
MARKETING AND MANAGEMENT.	21,289	19,721	21,073	20,660	20,110	17,475	17,757	16,459	16,963	17,480
TOTAL.....	95,905	102,520	111,602	95,023	91,589	82,033	83,083	81,452	81,298	77,425
TOTAL (*).....	95,905	102,520	112,002	95,023	91,589	82,033	83,083	81,452	81,139	77,353

SECTOR : EQUIPMENT

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
ENGINEERS AND MANAGERS...	17,666	24,496	24,746	23,386	26,767	27,901	30,639	35,765	35,535	39,378
TECHNICAL STAFF.....	21,877	26,582	28,433	27,830	33,399	32,394	35,192	34,710	29,907	22,420
ADMINISTRATIVE STAFF.....	16,163	20,167	20,982	20,445	22,296	23,237	23,713	23,604	25,879	25,287
PRODUCTION WORKERS.....	48,082	55,104	60,339	57,426	56,451	53,464	55,906	59,760	65,964	71,492
R-D.....	24,888	32,171	33,661	28,149	34,367	36,595	38,514	39,496	40,440	40,897
PRODUCTION.....	58,297	67,854	76,118	76,381	79,114	73,533	80,826	87,583	86,640	84,391
MARKETING AND MANAGEMENT.	20,602	26,325	24,721	24,556	25,433	26,869	26,112	26,760	30,542	34,268
TOTAL.....	103,788	126,349	134,500	129,087	138,914	136,996	145,451	153,839	157,284	158,579
TOTAL (*).....	105,588	128,149	135,100	129,937	139,564	137,896	145,451	153,839	156,894	158,445

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(*) INCLUDING THE STAFF THE BREAKDOWN OF WHICH IS NOT KNOWN

EC 12 : BREAKDOWN OF WORKFORCE BY OCCUPATIONAL GRADING AND BY MAIN ACTIVITY (AT YEAR-END)

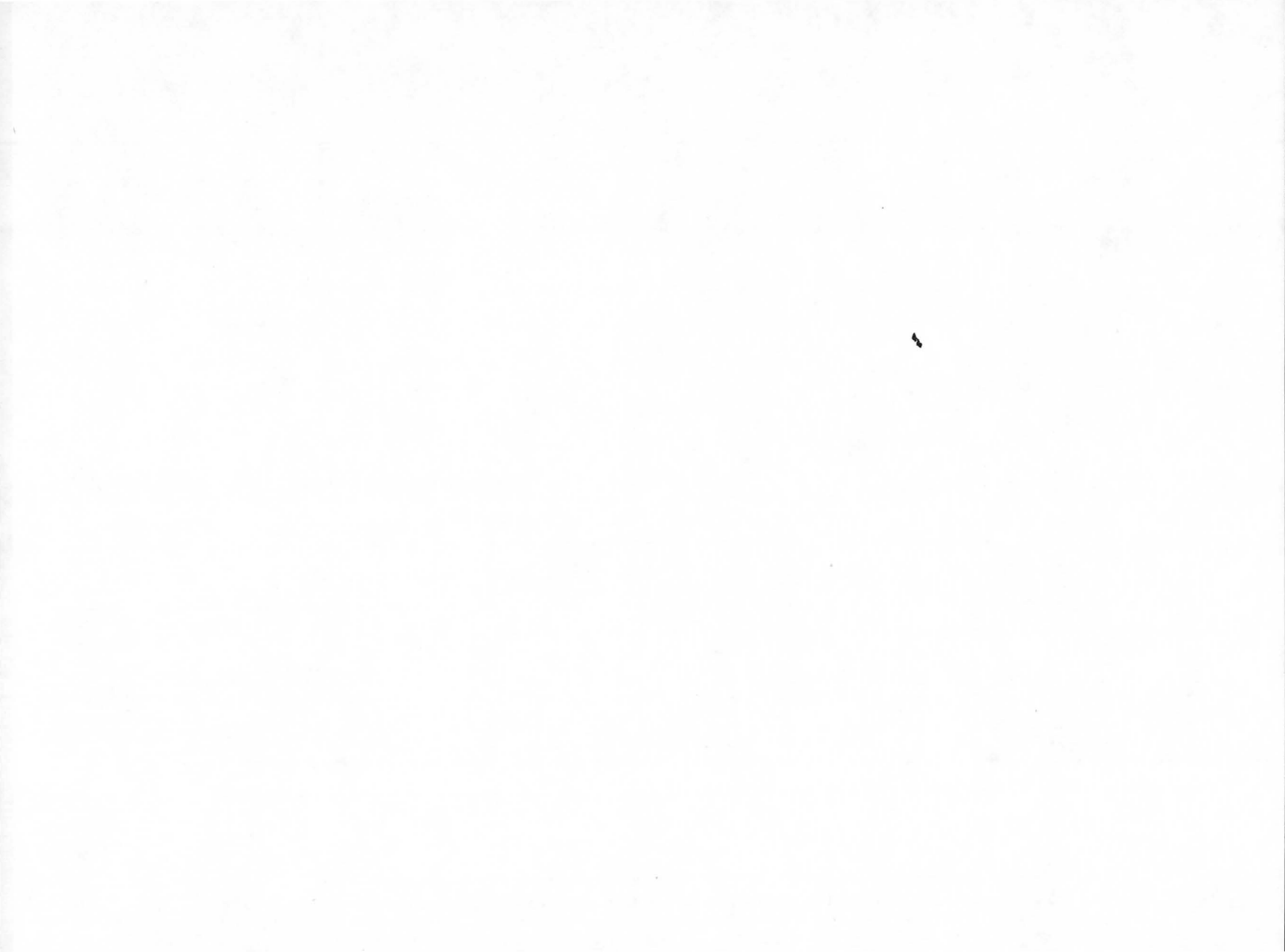
TOTAL

	1979	1980	1981	1982	1983	1984	1985	1986	1987 (1)	1988 (1)
ENGINEERS AND MANAGERS...	62,887	75,862	76,753	79,317	85,360	85,151	89,502	94,928	94,512	99,021
TECHNICAL STAFF.....	94,573	103,448	111,387	112,176	120,693	115,930	117,982	123,289	113,343	105,263
ADMINISTRATIVE STAFF.....	65,265	75,346	79,142	71,251	70,508	70,630	75,016	71,157	72,465	67,464
PRODUCTION WORKERS.....	199,102	215,229	231,949	219,587	205,999	192,071	198,648	199,052	200,810	189,319
R-D.....	83,793	99,501	103,725	99,247	111,898	111,803	112,870	114,582	121,786	130,577
PRODUCTION.....	251,582	279,161	300,932	287,967	275,576	257,803	273,837	280,731	261,174	228,977
MARKETING AND MANAGEMENT.	86,462	91,223	94,574	95,117	95,086	94,177	94,442	93,112	97,765	101,489
TOTAL.....	421,827	469,885	499,231	482,331	482,560	463,782	481,148	488,426	480,725	461,046
TOTAL (*).....	423,637	471,685	500,231	483,181	483,210	464,922	481,148	488,426	480,725	461,046

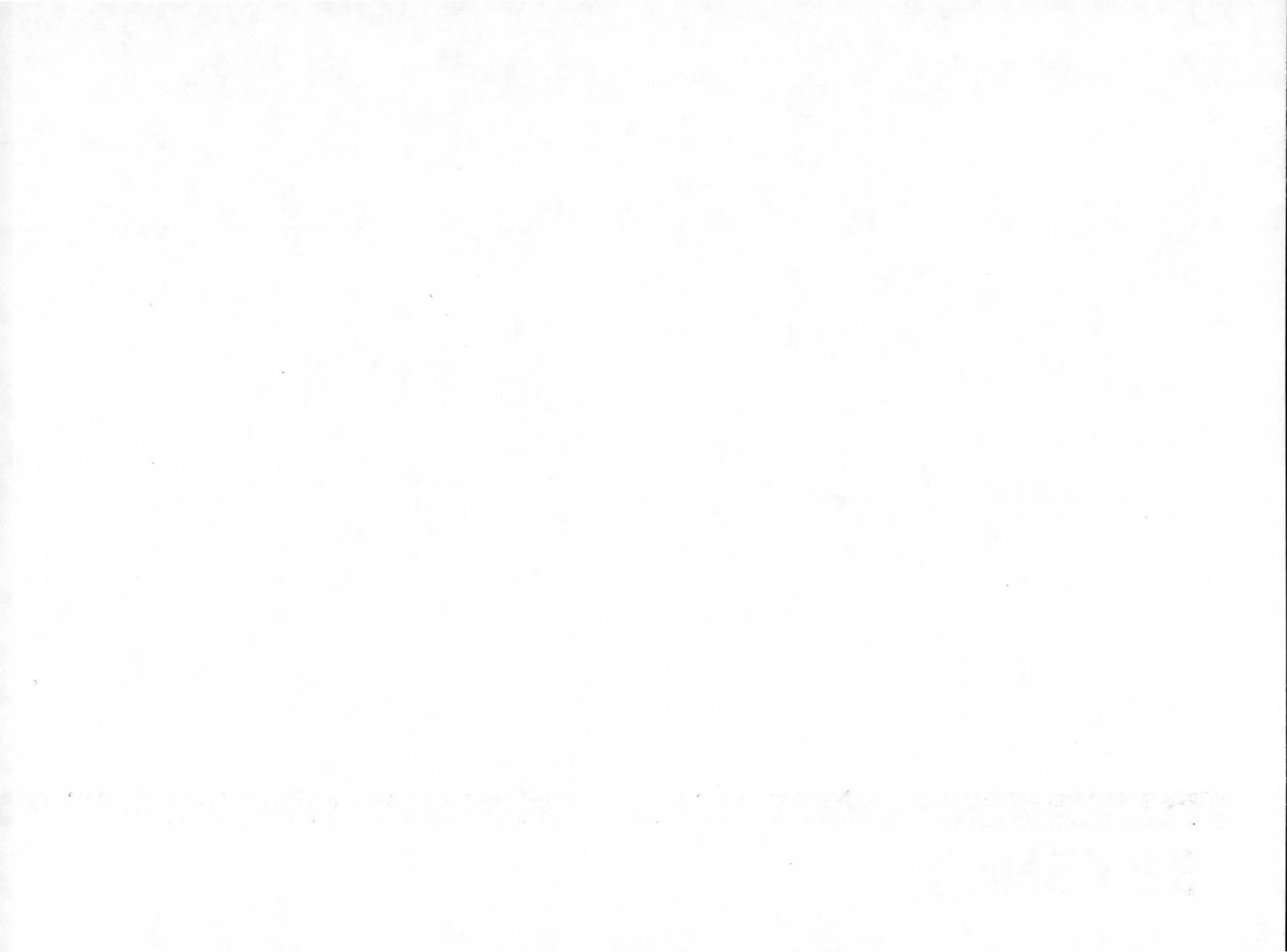
EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1987-88: DG III ESTIMATES

(*) INCLUDING THE STAFF THE BREAKDOWN OF WHICH IS NOT KNOWN



ANNEXES



EXCHANGE RATES

1 ECU =

	BFR	DM	PTA	FF	LIT	HFL	UKL	US \$	CA \$	YEN	SEK
1970	51.112	3.741	71.36	5.678	638.9	3.700	0.4259	1.022	1.067	368.0	5.301
1971	50.866	3.646	72.57	5.772	647.4	3.658	0.4286	1.048	1.058	363.8	5.351
1972	49.361	3.577	72.00	5.657	654.3	3.600	0.4489	1.122	1.110	339.7	5.342
1973	47.801	3.276	71.81	5.468	716.5	3.429	0.5023	1.232	1.232	333.2	5.373
1974	46.399	3.084	68.82	5.734	775.7	3.202	0.5098	1.193	1.166	347.5	5.291
1975	45.569	3.049	71.16	5.319	809.5	3.135	0.5600	1.241	1.262	367.7	5.146
1976	43.165	2.815	74.74	5.345	930.1	2.955	0.6216	1.118	1.102	331.2	4.869
1977	40.883	2.648	86.85	5.606	1,006.8	2.800	0.6537	1.141	1.213	305.8	5.107
1978	40.061	2.556	97.43	5.740	1,080.2	2.754	0.6639	1.274	1.453	267.1	5.755
1979	40.165	2.511	91.97	5.829	1,138.5	2.749	0.6464	1.371	1.605	300.5	5.875
1980	40.598	2.524	99.70	5.869	1,189.2	2.760	0.5985	1.392	1.627	315.0	5.888
1981	41.295	2.514	102.68	6.040	1,263.2	2.775	0.5531	1.116	1.338	245.4	5.635
1982	44.712	2.376	107.56	6.431	1,323.8	2.614	0.5605	0.980	1.208	243.5	6.125
1983	45.438	2.271	127.50	6.771	1,349.9	2.537	0.5870	0.890	1.097	211.4	6.823
1984	45.442	2.238	126.57	6.872	1,381.4	2.523	0.5906	0.789	1.021	187.1	6.521
1985	44.914	2.226	129.16	6.795	1,448.0	2.511	0.5890	0.763	1.042	180.6	6.550
1986	43.798	2.128	137.46	6.800	1,461.9	2.401	0.6715	0.984	1.368	165.0	7.005
1987	43.058	2.072	142.12	6.921	1,490.7	2.336	0.7065	1.146	1.519	166.8	7.261
1988	43.463	2.076	137.55	7.033	1,534.5	2.337	0.6665	1.176	1.447	151.8	7.199
1989	43.643	2.084	129.68	7.044	1,523.4	2.351	0.6513	1.107	1.321	144.9	7.036

EC - DG III / SOURCE: COMMISSION SERVICES

EC 12: BREAKDOWN OF OVERALL AEROSPACE TURNOVER (MIO ECUS) BY CUSTOMERS : AIRFRAME AND MISSILES SECTOR

	1980	1981	1982	1983	1984	1985	1986	1987	1988
STATE.....	3,699	3,697	3,815	4,248	4,484	5,550	5,783	6,654	6,593
- R-D CONTRACTS.....	1,093	1,133	1,137	1,312	1,576	1,627	1,924	2,394	2,255
- CIVIL.....	101	103	103	123	53	47	266	442	408
- MILITARY.....	992	1,030	1,034	1,189	1,524	1,580	1,658	1,952	1,847
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	554	600	657	626	815	833	962	1,052	1,077
- CIVIL.....	28	31	39	45	32	29	17	32	30
- MILITARY.....	526	569	618	581	783	804	945	1,020	1,047
- SALES.....	2,052	1,963	2,021	2,310	2,093	3,090	2,897	3,207	3,260
- CIVIL.....	78	64	90	240	86	58	148	107	211
- MILITARY.....	1,974	1,899	1,930	2,069	2,007	3,032	2,749	3,100	3,050
AEROSPACE MANUFACTURERS.....	3,042	4,017	4,786	5,456	5,401	5,163	5,940	6,086	7,302
- NATIONAL.....	938	1,212	1,356	1,441	1,340	1,310	1,402	1,469	1,778
- CIVIL.....	532	463	588	892	827	856	763	728	1,041
- MILITARY.....	405	749	768	549	514	455	639	741	737
- EC 12.....	1,744	2,432	2,924	3,626	3,646	3,108	3,068	3,543	4,229
- CIVIL.....	446	723	1,159	1,360	1,289	1,454	1,304	1,444	1,663
- MILITARY.....	1,298	1,708	1,765	2,266	2,358	1,654	1,764	2,099	2,566
- NON-EC COUNTRIES.....	361	374	506	389	415	745	1,471	1,075	1,295
- CIVIL.....	143	254	409	313	329	361	585	441	566
- MILITARY.....	217	120	97	76	86	383	886	634	729
FINAL USERS.....	4,302	5,875	6,785	6,590	7,343	7,455	6,951	7,771	8,972
- NATIONAL (CIVIL).....	349	410	473	335	500	569	368	493	507
- EC 12.....	592	514	714	548	496	596	274	653	685
- CIVIL.....	169	160	205	245	241	332	176	290	294
- MILITARY.....	423	354	508	303	254	264	99	363	391
- NON-EC COUNTRIES.....	3,361	4,951	5,599	5,708	6,346	6,290	6,309	6,625	7,780
- CIVIL.....	980	1,290	1,145	1,957	2,125	1,865	2,964	2,185	2,793
- MILITARY.....	2,380	3,661	4,454	3,751	4,221	4,425	3,344	4,440	4,987
TOTAL.....	11,044	13,589	15,386	16,294	17,228	18,168	18,675	20,511	22,867

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EC 12: BREAKDOWN OF OVERALL AEROSPACE TURNOVER (MIO ECUS) BY CUSTOMERS : SPACE SECTOR

	1980	1981	1982	1983	1984	1985	1986	1987	1988
STATE.....	229	242	351	450	471	734	475	627	674
- R-D CONTRACTS.....	210	152	214	259	281	477	232	332	363
- CIVIL.....	196	145	208	180	275	470	229	327	357
- MILITARY.....	14	7	6	79	6	7	3	5	6
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	5	1	3	5	6	19	16	20	18
- CIVIL.....	1	0	0	0	1	13	8	13	12
- MILITARY.....	4	1	2	5	5	6	8	7	6
- SALES.....	15	90	134	185	183	238	227	275	292
- CIVIL.....	5	85	108	176	182	168	147	219	248
- MILITARY.....	10	5	26	9	1	70	81	55	44
AEROSPACE MANUFACTURERS.....	196	277	534	509	507	662	833	799	882
- NATIONAL.....	56	102	147	95	106	212	253	266	294
- CIVIL.....	49	97	143	94	104	211	253	262	290
- MILITARY.....	7	5	4	0	2	1	1	4	4
- EC 12.....	120	159	362	353	342	418	522	459	511
- CIVIL.....	109	158	357	329	342	417	521	450	504
- MILITARY.....	11	1	6	24	0	1	1	9	7
- NON-EC COUNTRIES.....	20	16	24	61	59	32	58	74	78
- CIVIL.....	19	14	19	41	49	32	57	69	72
- MILITARY.....	1	1	6	20	10	1	2	5	6
FINAL USERS.....	218	256	161	174	332	525	877	542	584
- NATIONAL (CIVIL).....	10	14	13	17	95	219	342	171	207
- EC 12.....	145	180	81	91	185	221	171	160	176
- CIVIL.....	145	180	81	91	185	221	171	160	176
- MILITARY.....	0	0	0	0	0	0	0	0	0
- NON-EC COUNTRIES.....	62	62	67	66	52	85	365	211	201
- CIVIL.....	40	29	26	32	9	39	329	162	146
- MILITARY.....	22	32	41	34	42	46	36	49	55
TOTAL.....	643	775	1,046	1,132	1,310	1,921	2,185	1,969	2,140

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EC 12: BREAKDOWN OF OVERALL AEROSPACE TURNOVER (MIO ECUS) BY CUSTOMERS : ENGINE SECTOR

	1980	1981	1982	1983	1984	1985	1986	1987	1988
STATE.....	1,213	1,175	1,281	1,255	1,366	1,351	1,534	1,824	1,795
- R-D CONTRACTS.....	290	324	346	375	290	322	252	441	383
- CIVIL.....	29	21	31	24	16	20	33	76	48
- MILITARY.....	261	303	315	351	273	302	218	365	336
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	286	297	325	326	383	367	350	507	466
- CIVIL.....	25	17	10	9	15	7	6	40	27
- MILITARY.....	261	281	315	317	368	361	343	467	439
- SALES.....	637	553	610	555	694	662	933	875	946
- CIVIL.....	46	40	35	19	16	17	105	63	64
- MILITARY.....	590	513	576	535	677	645	829	812	882
AEROSPACE MANUFACTURERS.....	1,722	2,704	2,966	2,828	3,250	3,477	3,786	3,500	4,074
- NATIONAL.....	627	877	975	738	775	951	884	930	1,077
- CIVIL.....	315	448	389	256	284	329	388	413	443
- MILITARY.....	312	429	586	482	491	622	496	517	634
- EC 12.....	573	1,041	1,156	1,205	1,398	1,263	1,365	1,339	1,523
- CIVIL.....	53	78	103	87	102	108	131	128	113
- MILITARY.....	520	963	1,052	1,118	1,296	1,155	1,234	1,211	1,411
- NON-EC COUNTRIES.....	522	786	836	886	1,078	1,263	1,537	1,231	1,474
- CIVIL.....	382	553	513	605	872	970	1,280	1,054	1,210
- MILITARY.....	141	233	323	281	206	293	257	177	263
FINAL USERS.....	1,063	1,149	1,394	1,165	1,212	1,822	1,861	1,889	1,987
- NATIONAL (CIVIL).....	286	234	214	294	237	293	440	362	373
- EC 12.....	164	146	213	143	124	108	120	281	245
- CIVIL.....	41	34	136	65	56	80	47	77	82
- MILITARY.....	123	112	76	78	68	29	73	204	163
- NON-EC COUNTRIES.....	612	769	967	728	851	1,420	1,301	1,246	1,368
- CIVIL.....	292	328	438	243	330	568	621	560	611
- MILITARY.....	320	441	529	485	521	852	681	687	758
TOTAL.....	3,998	5,028	5,642	5,249	5,829	6,649	7,181	7,213	7,856

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EC 12: BREAKDOWN OF OVERALL AEROSPACE TURNOVER (MIO ECUS) BY CUSTOMERS : EQUIPMENT SECTOR

	1980	1981	1982	1983	1984	1985	1986	1987	1988
STATE.....	1,434	1,663	1,837	2,234	2,955	2,947	4,120	4,563	4,860
- R-D CONTRACTS.....	444	451	456	546	714	661	1,119	1,321	1,345
- CIVIL.....	7	7	4	7	13	10	182	231	236
- MILITARY.....	437	445	451	539	701	651	936	1,090	1,109
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	210	253	266	278	390	456	629	647	695
- CIVIL.....	12	20	9	10	10	26	26	83	70
- MILITARY.....	198	233	257	268	380	429	603	564	625
- SALES.....	779	958	1,115	1,410	1,850	1,831	2,373	2,595	2,820
- CIVIL.....	51	39	40	62	44	72	290	297	295
- MILITARY.....	729	919	1,076	1,348	1,807	1,758	2,083	2,299	2,525
AEROSPACE MANUFACTURERS.....	2,546	3,412	3,586	3,973	4,141	4,423	5,813	5,725	6,170
- NATIONAL.....	1,521	1,847	2,026	2,334	2,439	2,359	3,478	3,464	3,552
- CIVIL.....	493	487	524	646	582	657	959	970	995
- MILITARY.....	1,028	1,360	1,502	1,687	1,857	1,702	2,519	2,494	2,557
- EC 12.....	679	1,015	1,080	1,120	1,025	1,131	1,482	1,315	1,488
- CIVIL.....	126	218	253	259	227	258	370	272	362
- MILITARY.....	553	797	827	860	798	873	1,112	1,043	1,126
- NON-EC COUNTRIES.....	346	549	480	519	678	933	854	946	1,131
- CIVIL.....	143	174	108	111	168	307	297	325	347
- MILITARY.....	204	376	372	408	509	625	556	620	784
FINAL USERS.....	730	942	923	1,297	1,104	1,337	1,932	1,686	2,036
- NATIONAL (CIVIL).....	201	219	211	204	291	340	413	504	526
- EC 12.....	131	167	153	145	148	162	444	305	321
- CIVIL.....	57	78	39	41	84	72	153	114	105
- MILITARY.....	74	89	114	104	64	89	291	190	216
- NON-EC COUNTRIES.....	398	556	558	947	665	836	1,075	877	1,189
- CIVIL.....	156	360	324	394	310	382	326	334	516
- MILITARY.....	242	196	234	553	355	455	749	543	673
TOTAL.....	4,710	6,017	6,346	7,504	8,200	8,708	11,866	11,974	13,067

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

