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**INTRA-EC AND EXTRA-EC
TRADE FLOWS IN
TELECOMMUNICATIONS
EQUIPMENT
IN 1988**

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**Intra-EC and Extra-EC Trade Flows in
Telecommunications Equipment in 1988**

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SUMMARY

Background

This paper reports and analyses the trade figures in telecommunications equipment for 1988

From 1st January 1988, trade statistics in the Community have been collected on the basis of the Combined Nomenclature. It has, therefore, been necessary to define a completely new trade aggregate in telecommunications equipment. The new aggregate is listed in Appendix B and the problem of reconciling the trade figures given by this new aggregate and figures given for previous years is dealt with in Appendix A.

In general, the new aggregate is more conservative or narrowly defined than the previous one. Moreover, the change in nomenclature has meant that items of equipment can now be more correctly allocated to their respective sub-categories, e.g. transmission, switching, terminal equipment etc. This modification does make it impossible, however, to make comparisons with previous years at anything but a global or trading partner level.

It should be noted that the figures cited in this report are based on monthly Eurostat statistics.

Main Points

1. The external trade surplus of the Community in telecommunications equipment has narrowed sharply from 1,2 bn ecu in 1986 and 1,0 bn ecu in 1987 to about 0,1 bn ecu in 1988. Part of this decrease is explained by the change in the statistical nomenclature. The remainder confirms the secular trend that had begun as early as 1982 - see pages 8, 9 and annex A. The main features of the trade balance and distribution of flows can be seen in table I.
2. The trade position with Japan has deteriorated steadily since 1982-83 and more markedly since 1986. The deficit has grown, from 0,7 bn ecu in 1986 to 0,9 bn ecu in 1987 to nearly 1,2 bn ecu in 1988. Just over 50% of this deficit is due to imports by the Community of facsimile equipment.
3. In contrast, there has been a slight decline in the Community's deficit with the USA. This has decreased from 0,6 bn ecu in 1986 to 0,5 bn ecu in 1987 to just in excess of 0,4 bn ecu in 1988. The majority of the deficit with the USA is split almost equally between transmission equipment and terminals. The use of the new Combined Nomenclature facilitates the statistical comparison with US sources and the global trade figures reported here correspond fairly closely to those issued by the Dept. of Commerce for 1988.
4. Intra-EC trade in telecommunications equipment has continued to rise relative to extra-EC trade. The ratio of the former to the latter was about 0,9 in 1988. This seems to confirm the gradual integration of EC markets, as supported by Community policy.

5. The EFTA countries continue to be the Community's most important trading partner in terms of total flows of telecommunications equipment in either direction. This feature emphasises the importance of current discussions with EFTA countries in telecommunications.

6. Extra-EC trade in telecommunications equipment represented about 16% of Community production in 1988 compared to about 11% for the whole of industrial production. These figures confirm the world trade orientation and dependence of the telecommunications industry

7. The largest Community deficit countries with Japan are W. Germany and the UK. The UK has the most significant deficit with the US. Only W. Germany has a trade surplus in equipment with the US. It is also the most important exporter to the EFTA countries. Only W. Germany, France, Belgium (including Luxembourg) and Ireland in that order have overall external trade surpluses in equipment. The UK has the largest deficit of just over 0,5 bn ecu. Overall the Community has an external surplus in equipment in all sub-markets except for terminals. The largest surplus is in transmission equipment and this almost exactly matches the deficit in terminal equipment of just over 0,4 bn ecu.

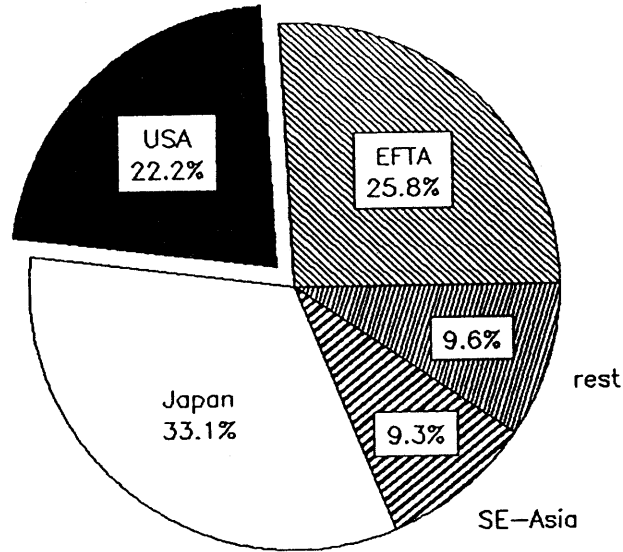
8. In conclusion, the trade figures for 1988 show a weakening of the Community's external position in telecommunications equipment. This seems essentially due to the rapidly growing importance in world trade of new equipment markets, particularly facsimile equipment, where historically, the European competitive position has been poor. The emerging importance of such markets confirms the continuing need for EC policy to emphasise increased integration and competition in the Community as a means of encouraging European innovation and competitive performance.

Table I: Telecommunications equipment trade with extra-EC in 1988, mecu.

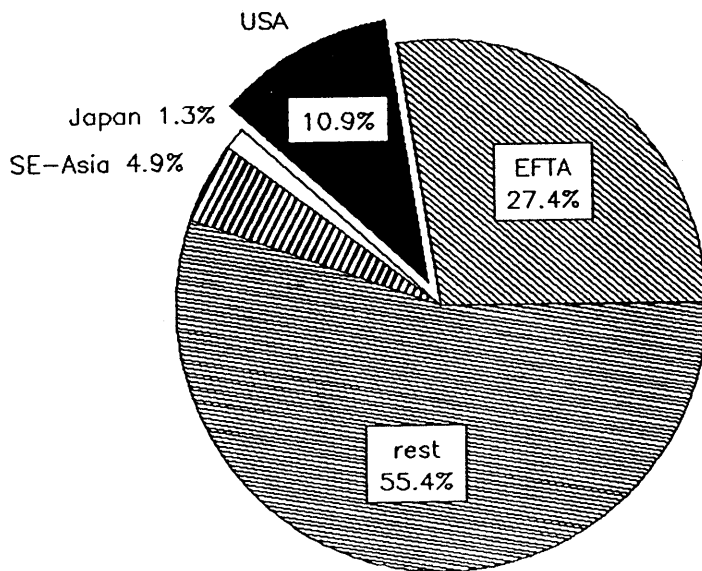
	USA	Japan	EFTA	S.E. Asia	Rest	Total
Exports	412	51	1038	186	2095	3782
Imports	819	1220	950	342	355	3686
Balance	-408	-1169	88	-156	1740	95

TABLE I

Telecommunications equipment trade with EXTRA-EC



imports 1988 (3686 MECU)



exports 1988 (3782 MECU)

SE-Asia : S. Korea, Taiwan, Hong Kong and Singapore

ASSESSMENT OF EC TRADE PERFORMANCE IN 1988

Introduction

This report focuses on telecommunications trade with the Community's main trading partners, i.e. Japan, the USA and the EFTA countries. The summary tables in the following section give the external trade flows by equipment sub-category for the Community. Detailed tables covering intra- as well as extra-EC trade appear in a later section.

From the beginning of 1988, the Community's telecommunications trade is based on a new aggregate which is defined using the Combined Nomenclature rather than the Nimexe nomenclature. The new aggregate is more conservatively defined than the one used prior to 1988 so that it is not easy to compare the trade flows and balances presented here with those of previous reports. Details of the new aggregate are given in the annex and in a supplementary report, Hirst(1989) - XIII/209(89)-EN . Annex A also treats the problem of reconciling the 1988 trade figures presented here with those emanating from previous reports.

The new trade aggregate also redefines the sub-categories, (switching, transmission, terminal equipment etc) which have traditionally been used. This has been made possible because of the more precise nature of the Combined Nomenclature.

General Points

The overall trade balance of the EC has declined from 1,2 bn ecu and 1,0 bn ecu respectively in 1986 and 1987 to 0,1 bn ecu in 1988, although part of the reason for this is the more conservative nature of the newly defined telecommunications trade aggregate, see annex A.

Apart from W. Germany, France, Belgium, (including Luxembourg) and Ireland all Community countries have external deficits in telecommunications equipment trade. W. Germany has the largest surplus with 605 mecu and the UK the largest deficit with -546 mecu.

The Community's largest deficit is with Japan, nearly 1,2 bn ecu in 1988 compared to 0,9 bn ecu in 1987. The Community also has a significant deficit in telecommunications equipment with the USA, although this has decreased in ecu terms since 1985. In 1988 the deficit declined to 408 mecu from 494 mecu in 1987.

The main change in 1988 has been the sharp decline in equipment exports to the rest of the world. These have declined from nearly 4,2 bn ecu in 1987 to 3,3 bn ecu in 1988 whilst imports have remained relatively stable at between 1,6 and 1,7 bn ecu for both years.

Nearly half of the Community's telecommunications equipment trade in either direction is in terminals and related equipment, in which it had an overall deficit of 447 mecu in 1988. The Community's largest surplus is in transmission equipment, 442 mecu in 1988.

Japan

Trade between the Community and Japan is almost entirely unidirectional. Exports to Japan in 1988 were a mere 51 mecu compared to imports of 1220 mecu. Over half of these exports were in transmission equipment.

Of the imports, about 70% comprise terminal equipment, including parts. Amongst this is 653 mecu of facsimile equipment, i.e. about 54% of total imports. The deficit in facsimile equipment is about 649 mecu and this represents about 56% of the total telecommunications equipment deficit with Japan. The remaining imports and corresponding deficit is spread fairly evenly across the other equipment categories.

The major importing countries in the EC are the UK (363 mecu), W. Germany (351 mecu) and the Netherlands (114 mecu). These countries respectively have deficits of 349, 327 and 111 mecu. For all Community countries it is terminal equipment which accounts for the major share of imports.

The USA

The overall deficit position with the USA in 1988 is estimated at 408 mecu or \$483m. Exports were 412 mecu (\$487m) and imports 819 mecu (\$969m). These figures compare reasonably well with those issued by the Dept. of Commerce which indicate that the USA exported \$788m of telecommunications equipment to the Community in 1988 and imported \$370m. The deficit position (\$418m) reported by the DOC differs by a factor equivalent to the exchange rate, i.e. about 18%.

In 1988 all Community countries except W. Germany had a deficit in telecommunications equipment with the USA. W. Germany accounted for over 40% of EC exports, (i.e. 168 mecu) and imported 154 mecu to give a surplus of 14 mecu. The main deficit countries were the UK (186 mecu), the Netherlands (79 mecu) and Italy (74 mecu).

The main categories of imbalance are transmission equipment and terminals. Although the Community exported 149 mecu of transmission equipment to the USA in 1988, imports totalled 335 mecu, i.e. an imbalance of 186 mecu. Imports of terminal equipment amounted to 285 mecu to give a deficit of 199 mecu, or about 49% of the overall deficit with the USA.

EFTA Countries

The largest two way flows of telecommunications equipment take place with EFTA countries. Community exports totalled 1038 mecu in 1988 and imports 950 mecu to give a net balance of 88 mecu. W. Germany accounts for 60% of these exports and it is also a significant importer, (254 mecu). The other major importing countries are the UK (217 mecu), the Netherlands (149 mecu) and Italy (108 mecu).

The Community is a significant importer of switching equipment from EFTA countries, (195 mecu in 1988) while exports are lower, (124 mecu), but the main trading categories are transmission equipment and terminals. Imports and exports in the former category were 149 and 413 mecu respectively in 1988. The equivalent figures for terminal equipment were 446 and 350 mecu.

INTRA- AND EXTRA-EC TRADE IN 1988

General Background

The continued integration of the Community economies is highlighted by the increasing importance of intra-EC trade relative to extra-EC trade. Intra-EC trade flows were reported to be between 3,3 and 3,4 bn ecu in 1988, while extra-EC imports were 3,8 bn ecu and extra-EC exports were 3,7 bn ecu.

Intra-EC flows have, therefore, risen steadily in the last two years. In 1986 they stood at 2,9 bn ecu and in 1987 at 3,1 bn ecu. In contrast, extra-EC exports have declined from a total of 4,6 bn ecu in 1987 and extra-EC imports have increased from about 3,6 bn ecu in that year.

It is not possible to make a realistic comparison of the trade flows in equipment sub-markets with previous years, because the change in nomenclature has meant that equipment items have been allocated to categories in different ways.

Intra-EC Trade

Only W. Germany, France and Ireland are net exporters to the rest of the Community and W. Germany has by far the largest surplus with 817 mecu in 1988.

The largest category of intra-EC trade is transmission equipment, (about 1,3 bn ecu), followed by terminals and switching equipment. Intra-EC trade in radio-related equipment is relatively low at 100 mecu in 1988, though mobile telephones are included under the terminals category.

Extra-EC Trade with the Rest of the World (excluding USA and Japan)

The overall balance with the rest of the world was about 1,7 bn ecu in 1988. Exports declined to about 3,3 bn ecu and imports remained relatively steady at 1,6 bn ecu.

The UK, the Netherlands, Portugal and Greece have trade deficits with the rest of the world. W. Germany has the largest surplus, (0,9 bn ecu) followed by France, (nearly 0,6 bn ecu).

The Community has a surplus in all equipment sub-categories with the rest of the world. The largest surpluses are in transmission equipment, (nearly 0,7 bn ecu) and in terminal equipment, (just over 0,6 bn ecu). Two Community countries have significant deficits in terminal equipment with the rest of the world: the Netherlands (110 mecu) and the UK (78 mecu).

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Table 1
EC Trade Balance in Telecommunications Equipment 1988 in millions of ECU

	EUR-12	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E
with US												
Exports	411.6	67.6	9.7	33.2	168.1	13.2	91.3	16.9	1.4	0.0	4.6	5.6
Imports	819.2	98.7	23.4	112.2	153.7	87.6	277.8	21.9	5.9	1.7	5.6	30.6
Balance	-407.6	-31.2	-13.6	-79.0	14.3	-74.4	-186.5	-5.0	-4.5	-1.7	-1.0	-25.0
with Japan												
Exports	50.7	5.0	2.2	3.2	24.3	1.2	14.1	0.1	0.4	0.1	0.0	0.3
Imports	1220.0	99.7	60.2	114.0	350.8	92.8	363.4	4.9	27.1	5.9	12.2	89.0
Balance	-1169.2	-94.7	-58.0	-110.8	-326.5	-91.7	-349.3	-4.8	-26.7	-5.8	-12.2	-88.7
with rest												
Exports	3319.4	703.1	204.2	122.4	1353.9	228.7	449.3	86.8	70.2	0.8	5.4	94.4
Imports	1647.2	138.3	49.2	192.2	436.3	169.2	459.5	44.8	58.2	20.1	12.4	67.0
Balance	1672.2	564.9	155.0	-69.8	917.6	59.5	-10.2	42.0	12.0	-19.3	-7.0	27.4
with extra-EC												
Exports	3781.7	775.7	216.1	158.8	1546.2	243.1	554.7	103.8	72.0	0.9	10.1	100.3
Imports	3686.3	336.7	132.8	418.4	940.8	349.6	1100.6	71.5	91.2	27.6	30.3	186.7
Balance	95.4	439.0	83.3	-259.6	605.5	-106.5	-546.0	32.2	-19.2	-26.7	-20.2	-86.4
with US(\$)												
Exports	486.9	79.9	11.5	39.2	198.8	15.6	108.0	20.0	1.7	0.0	5.5	6.6
Imports	969.1	116.8	27.6	132.7	181.8	103.6	328.6	25.9	7.0	2.0	6.6	36.3
Balance	-482.1	-36.9	-16.1	-93.5	17.0	-88.0	-220.6	-5.9	-5.3	-2.0	-1.1	-29.6

Source : Eurostat COMEXT
Zero entry where value is less than 0.5 MECU (0.5 million US-\$)

Table 2a
Trade flows in Telecommunications Equipment 1988 with US in millions of ECU

	EUR-12	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E
Exports to US												
Switching equipment	101.5	24.8	0.0	30.1	24.2	2.1	18.4	0.8	0.6	0.0	0.0	0.6
Transmission equipment	148.9	14.8	6.0	1.3	92.5	1.9	29.5	2.1	0.2	0.0	0.0	0.6
Radio-related equipment	19.9	6.7	0.1	0.0	1.3	0.3	10.4	0.7	0.0	0.0	0.0	0.3
Components	55.0	7.8	1.2	0.5	26.7	3.4	8.3	0.9	0.0	0.0	4.6	1.6
Terminal equipment	86.3	13.5	2.3	1.3	23.4	5.5	24.8	12.5	0.6	0.0	0.0	2.5
Total	411.6	67.6	9.7	33.2	168.1	13.2	91.3	16.9	1.4	0.0	4.6	5.6
Imports from US												
Switching equipment	103.0	8.0	2.8	9.1	21.2	9.6	44.0	2.8	0.4	0.6	0.3	4.0
Transmission equipment	334.8	52.7	9.4	34.0	71.2	30.8	105.7	11.3	2.3	0.2	1.2	16.0
Radio-related equipment	42.0	8.4	0.2	0.1	3.7	3.8	19.6	1.3	0.9	0.0	0.0	4.0
Components	54.1	6.2	0.8	3.1	12.9	8.3	17.7	0.5	1.6	0.0	0.6	2.4
Terminal equipment	285.3	23.3	10.2	65.9	44.7	35.1	90.7	6.1	0.7	0.9	3.4	4.2
Total	819.2	98.7	23.4	112.2	153.7	87.6	277.8	21.9	5.9	1.7	5.6	30.6
Balance with US												
Switching equipment	-1.5	16.8	-2.8	21.0	3.0	-7.5	-25.6	-2.1	0.1	-0.6	-0.3	-3.5
Transmission equipment	-185.9	-37.9	-3.4	-32.7	21.3	-28.9	-76.2	-9.2	-2.1	-0.2	-1.2	-15.4
Radio-related equipment	-22.1	-1.7	-0.1	-0.1	-2.4	-3.5	-9.2	-0.5	-0.9	0.0	0.0	-3.7
Components	0.9	1.5	0.5	-2.6	13.8	-4.8	-9.4	0.4	-1.6	0.0	4.0	-0.7
Terminal equipment	-198.9	-9.9	-7.8	-64.6	-21.4	-29.6	-65.9	6.4	-0.1	-0.9	-3.4	-1.8
Total	-407.6	-31.2	-13.6	-79.0	14.3	-74.4	-186.5	-5.0	-4.5	-1.7	-1.0	-25.0

Source : Eurostat COMEXT
Zero entry where value is less than 0.5 MECU

Table 2b
Trade flows in Telecommunications Equipment 1988 with Japan in millions of ECU

	EUR-12	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E
Exports to Japan												
Switching equipment	4.1	0.6	0.0	1.7	0.3	0.4	0.9	0.0	0.2	0.0	0.0	0.0
Transmission equipment	25.6	1.2	0.2	0.4	18.2	0.4	5.0	0.0	0.1	0.0	0.0	0.1
Radio-related equipment	3.0	0.3	0.0	0.0	1.1	0.0	1.5	0.0	0.0	0.0	0.0	0.0
Components	9.8	2.5	0.3	0.1	2.5	0.1	4.4	0.0	0.0	0.0	0.0	0.0
Terminal equipment	8.3	0.4	1.7	1.0	2.2	0.3	2.4	0.0	0.1	0.1	0.0	0.1
Total	50.7	5.0	2.2	3.2	24.3	1.2	14.1	0.1	0.4	0.1	0.0	0.3
Imports from Japan												
Switching equipment	97.6	7.9	5.6	8.1	24.8	8.2	32.0	0.7	0.7	0.1	2.3	7.2
Transmission equipment	89.9	9.5	8.2	6.4	29.2	4.7	22.3	1.0	1.2	0.8	1.6	4.9
Radio-related equipment	70.0	15.1	0.1	4.2	7.9	2.5	33.5	0.0	0.3	0.0	1.1	5.2
Components	90.6	10.5	2.3	2.2	41.3	11.9	13.5	0.1	2.6	0.6	0.3	5.3
Terminal equipment	871.8	56.7	44.0	93.1	247.5	65.4	262.0	3.0	22.4	4.4	6.9	66.4
Total	1220.0	99.7	60.2	114.0	350.8	92.8	363.4	4.9	27.1	5.9	12.2	89.0
Balance with Japan												
Switching equipment	-93.5	-7.3	-5.6	-6.4	-24.6	-7.8	-31.1	-0.7	-0.5	-0.1	-2.3	-7.2
Transmission equipment	-64.3	-8.2	-8.0	-6.1	-11.1	-4.3	-17.4	-1.0	-1.1	-0.8	-1.6	-4.7
Radio-related equipment	-67.1	-14.8	-0.1	-4.2	-6.8	-2.5	-32.0	0.0	-0.3	0.0	-1.1	-5.2
Components	-80.8	-8.0	-2.1	-2.1	-38.8	-11.8	-9.2	-0.1	-2.6	-0.6	-0.3	-5.3
Terminal equipment	-863.5	-56.3	-42.3	-92.1	-245.3	-65.2	-259.7	-2.9	-22.3	-4.3	-6.9	-66.4
Total	-1169.2	-94.7	-58.0	-110.8	-326.5	-91.7	-349.3	-4.8	-26.7	-5.8	-12.2	-88.7

Source : Eurostat COMEXT
Zero entry where value is less than 0.5 MECU

Table 2c
Trade flows in Telecommunications Equipment 1988 with rest in millions of ECU

	EUR-12	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E
Exports to rest												
Switching equipment	449.6	78.8	9.5	48.4	176.8	33.2	75.0	11.1	3.2	0.1	0.6	12.7
Transmission equipment	989.7	144.0	29.4	29.9	583.9	53.0	103.6	4.9	21.6	0.7	1.3	17.4
Radio-related equipment	187.4	94.2	0.3	8.0	34.8	2.6	45.1	0.0	1.1	0.0	0.0	1.2
Components	257.3	93.5	4.4	2.0	99.0	19.2	31.3	0.7	0.8	0.0	0.1	6.2
Terminal equipment	1435.4	292.6	160.5	34.1	459.3	120.7	194.1	70.1	43.5	0.0	3.4	57.0
Total	3319.4	703.1	204.2	122.4	1353.9	228.7	449.3	86.8	70.2	0.8	5.4	94.4
Imports from rest												
Switching equipment	310.7	21.9	5.3	13.8	142.2	26.6	82.0	0.9	3.5	1.3	1.8	11.4
Transmission equipment	297.4	29.8	15.7	18.4	115.8	18.3	67.9	3.7	13.5	0.9	2.1	11.4
Radio-related equipment	60.1	25.1	0.4	5.3	9.2	4.2	13.8	0.0	0.9	0.0	0.2	1.1
Components	159.2	21.3	5.1	10.4	59.7	15.9	23.4	0.1	4.6	1.4	2.6	14.5
Terminal equipment	819.8	40.1	22.8	144.3	109.4	104.2	272.4	39.9	35.8	16.4	5.8	28.6
Total	1647.2	138.3	49.2	192.2	436.3	169.2	459.5	44.8	58.2	20.1	12.4	67.0
Balance with rest												
Switching equipment	138.8	56.9	4.3	34.6	34.7	6.6	-7.0	10.2	-0.3	-1.2	-1.2	1.4
Transmission equipment	692.3	114.2	13.8	11.5	468.1	34.7	35.7	1.1	8.2	-0.2	-0.7	6.0
Radio-related equipment	127.3	69.2	-0.1	2.6	25.6	-1.6	31.4	0.0	0.3	0.0	-0.2	0.1
Components	98.2	72.2	-0.7	-8.4	39.4	3.3	7.9	0.6	-3.8	-1.4	-2.5	-8.4
Terminal equipment	615.6	252.4	137.8	-110.1	349.9	16.5	-78.3	30.2	7.7	-16.4	-2.4	28.4
Total	1672.2	564.9	155.0	-69.8	917.6	59.5	-10.2	42.0	12.0	-19.3	-7.0	27.4

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 MECU

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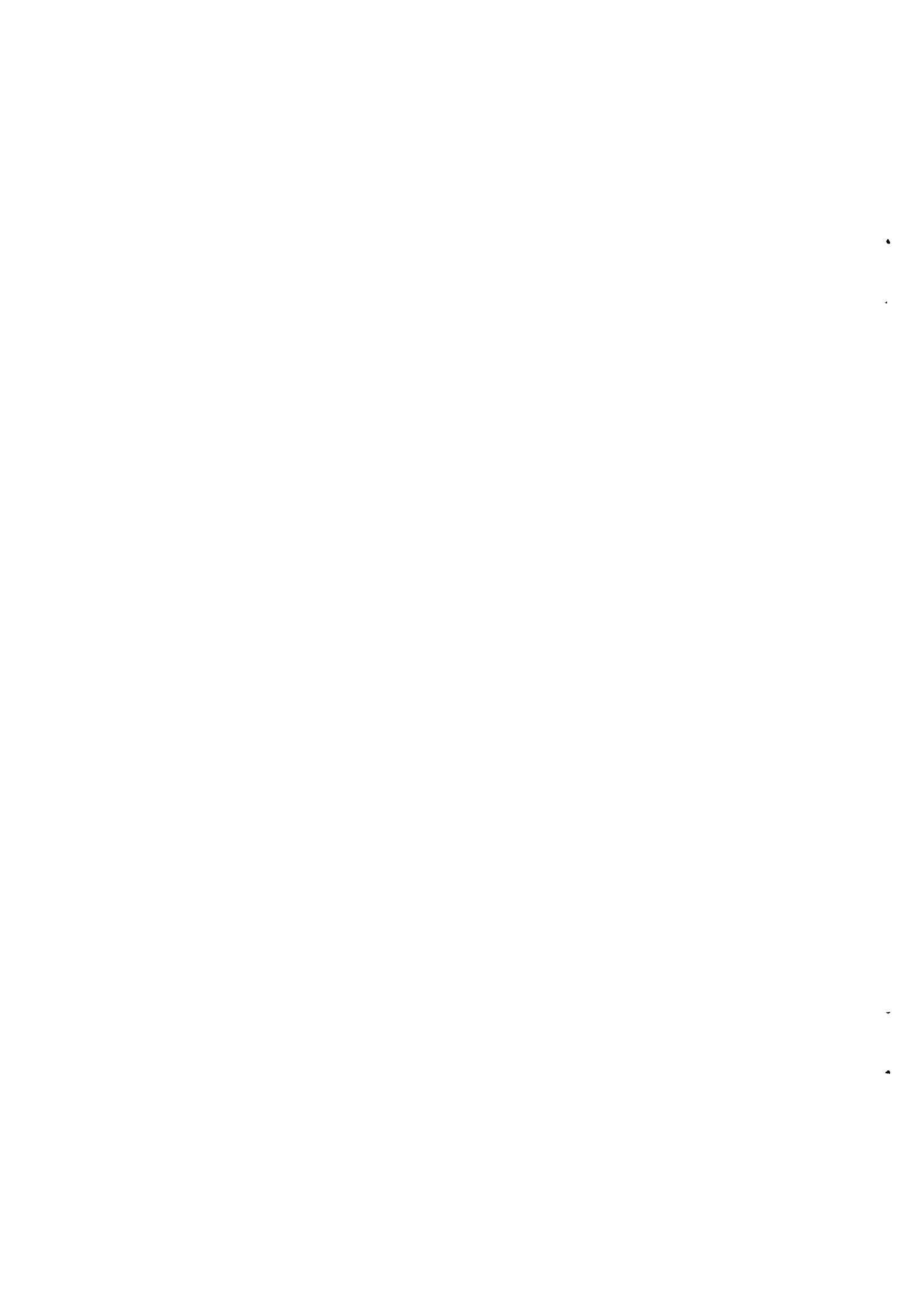


Table 2d
Trade flows in Telecommunications Equipment 1988 with extra-EC in millions of ECU

	EUR-12	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E
Exports to extra-EC												
Switching equipment	555.2	104.2	9.6	80.2	201.3	35.7	94.4	11.9	3.9	0.1	0.6	13.3
Transmission equipment	1164.2	160.0	35.6	31.5	694.6	55.3	138.0	6.9	21.9	0.7	1.3	18.1
Radio-related equipment	210.3	101.3	0.4	8.0	37.2	2.9	57.0	0.7	1.2	0.0	0.0	1.5
Components	322.1	103.8	5.9	2.6	128.2	22.7	44.0	1.6	0.8	0.0	4.7	7.8
Terminal equipment	1530.0	306.4	164.6	36.4	484.9	126.5	221.2	82.6	44.2	0.1	3.4	59.6
Total	3781.7	775.7	216.1	158.8	1546.2	243.1	554.7	103.8	72.0	0.9	10.1	100.3
Imports from extra-EC												
Switching equipment	511.4	37.9	13.7	31.0	188.2	44.5	158.0	4.5	4.6	2.0	4.4	22.6
Transmission equipment	722.1	92.0	33.3	58.8	216.3	53.8	195.9	16.0	16.9	1.9	4.9	32.3
Radio-related equipment	172.2	48.6	0.7	9.6	20.8	10.5	66.9	1.3	2.0	0.0	1.4	10.3
Components	303.9	38.1	8.2	15.7	113.9	36.1	54.6	0.7	8.8	2.0	3.5	22.2
Terminal equipment	1976.8	120.2	76.9	303.2	401.7	204.7	625.2	49.0	58.9	21.7	16.1	99.3
Total	3686.3	336.7	132.8	418.4	940.8	349.6	1100.6	71.5	91.2	27.6	30.3	186.7
Balance with extra-EC												
Switching equipment	43.8	66.3	-4.1	49.2	13.1	-8.8	-63.7	7.4	-0.7	-1.8	-3.8	-9.3
Transmission equipment	442.1	68.1	2.4	-27.2	478.3	1.5	-57.9	-9.1	5.1	-1.3	-3.6	-14.2
Radio-related equipment	38.1	52.7	-0.2	-1.6	16.4	-7.6	-9.8	-0.6	-0.9	0.0	-1.4	-8.8
Components	18.3	65.7	-2.3	-13.1	14.3	-13.4	-10.7	0.9	-8.0	-2.0	1.2	-14.4
Terminal equipment	-446.9	186.2	87.7	-266.8	83.3	-78.2	-403.9	33.7	-14.7	-21.6	-12.7	-39.8
Total	95.4	439.0	83.3	-259.6	605.5	-106.5	-546.0	32.2	-19.2	-26.7	-20.2	-86.4

Source : Eurostat COMEXT
Zero entry where value is less than 0.5 MECU

Table 3
EC Trade balance in Telecommunications equipment 1988

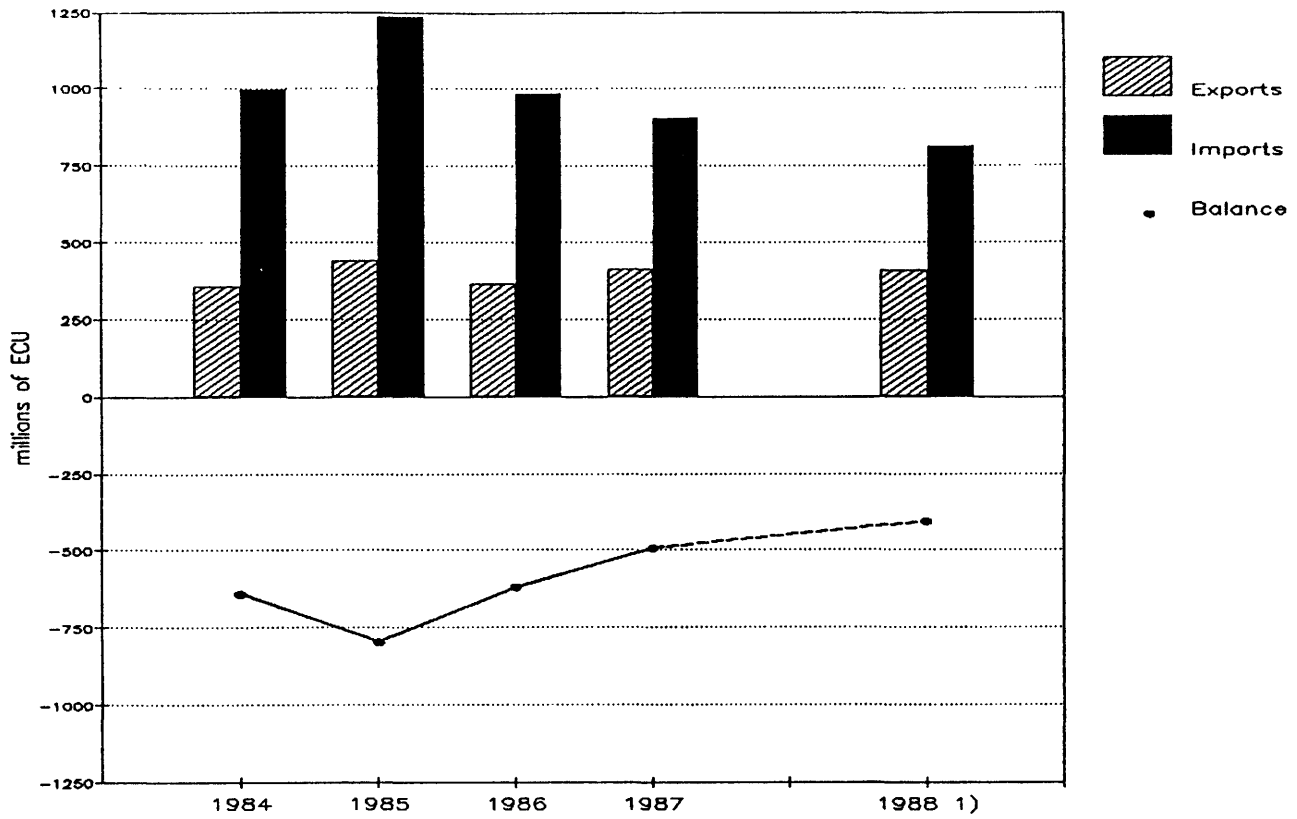
	with USA (mecu)	with USA (\$m)	with Japan (mecu)
Exports			
Switching equipment	101	119	4
Transmission equipment	149	176	26
Radio-related (mobile) equipment	20	24	3
Components	55	65	10
Terminals	86	102	8
Telephone sets	11	13	0
Other telephonic apparatus and parts	43	51	2
Fax machines including parts	9	11	4
Parts of telephonic apparatus	20	24	1
Answering machines	0	0	0
Other apparatus (incl. some mobile sets)	4	5	0
Total	412	487	51
Imports			
Switching equipment	103	122	98
Transmission equipment	335	396	90
Radio-related (mobile) equipment	42	50	70
Components	54	64	91
Terminals	285	337	872
Telephone sets	14	17	58
Other telephonic apparatus and parts	144	170	95
Fax machines including parts	63	75	653
Parts of telephonic apparatus	46	54	24
Answering machines	6	7	31
Other apparatus (incl. some mobile sets)	11	13	10
Total	819	969	1220
Balance			
Switching equipment	-2	-2	-94
Transmission equipment	-186	-220	-64
Radio-related (mobile) equipment	-22	-26	-67
Components	1	1	-81
Terminals	-199	-235	-864
Telephone sets	-3	-4	-58
Other telephonic apparatus and parts	-102	-121	-93
Fax machines including parts	-54	-64	-649
Parts of telephonic apparatus	-26	-31	-23
Answering machines	-6	-7	-31
Other apparatus (incl. some mobile sets)	-8	-9	-10
Total	-408	-482	-1169

Source : Eurostat COMEXT

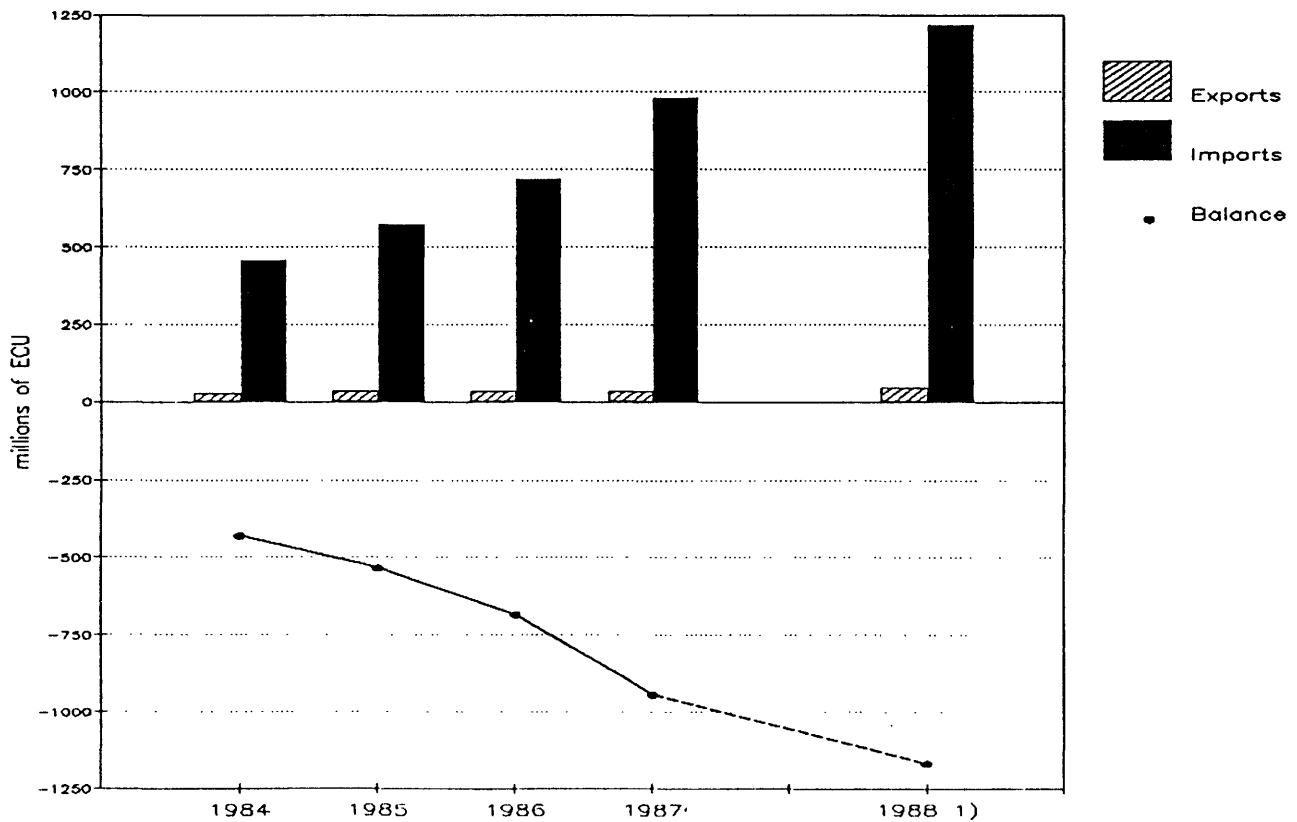
Zero entry where value less than 0.5 MECU (0.5 million US-\$)

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Telecommunications equipment trade with USA



Telecommunications equipment trade with Japan 2)



1) Change in definition between 1987 and 1988

2) 56% of the deficit with Japan in 1988 is due to facsimile equipment; in 1987 it was 52%

Table 4

EC Trade Balance in Telecommunications Equipment, 1981-1988 (MECU)

	EUR-10 1)					EUR-12				
	1981	1982	1983	1984	1985	1984	1985	1986	1987	1988 2)
with US										
Exports	137	195	256	344	413	361	444	368	417	412
Imports	526	612	705	977	1205	1003	1242	988	910	819
Balance	-390	-417	-449	-634	-792	-642	-798	-620	-494	-408
with Japan										
Exports	17	16	21	28	39	29	39	39	40	51
Imports	236	262	301	432	538	459	575	724	984	1220
Balance	-219	-246	-280	-404	-499	-431	-536	-685	-944	-1169
with rest										
Exports	3117	3465	3677	4080	4357	4014	4287	3878	4158	3319
Imports	750	853	1000	1250	1445	1197	1383	1340	1692	1647
Balance	2368	2612	2678	2831	2912	2818	2904	2538	2467	1672
with Extra-EC										
Exports	3271	3676	3954	4452	4809	4404	4770	4285	4615	3782
Imports	1512	1727	2006	2659	3188	2659	3200	3052	3586	3686
Balance	1759	1949	1949	1793	1621	1745	1570	1233	1029	95

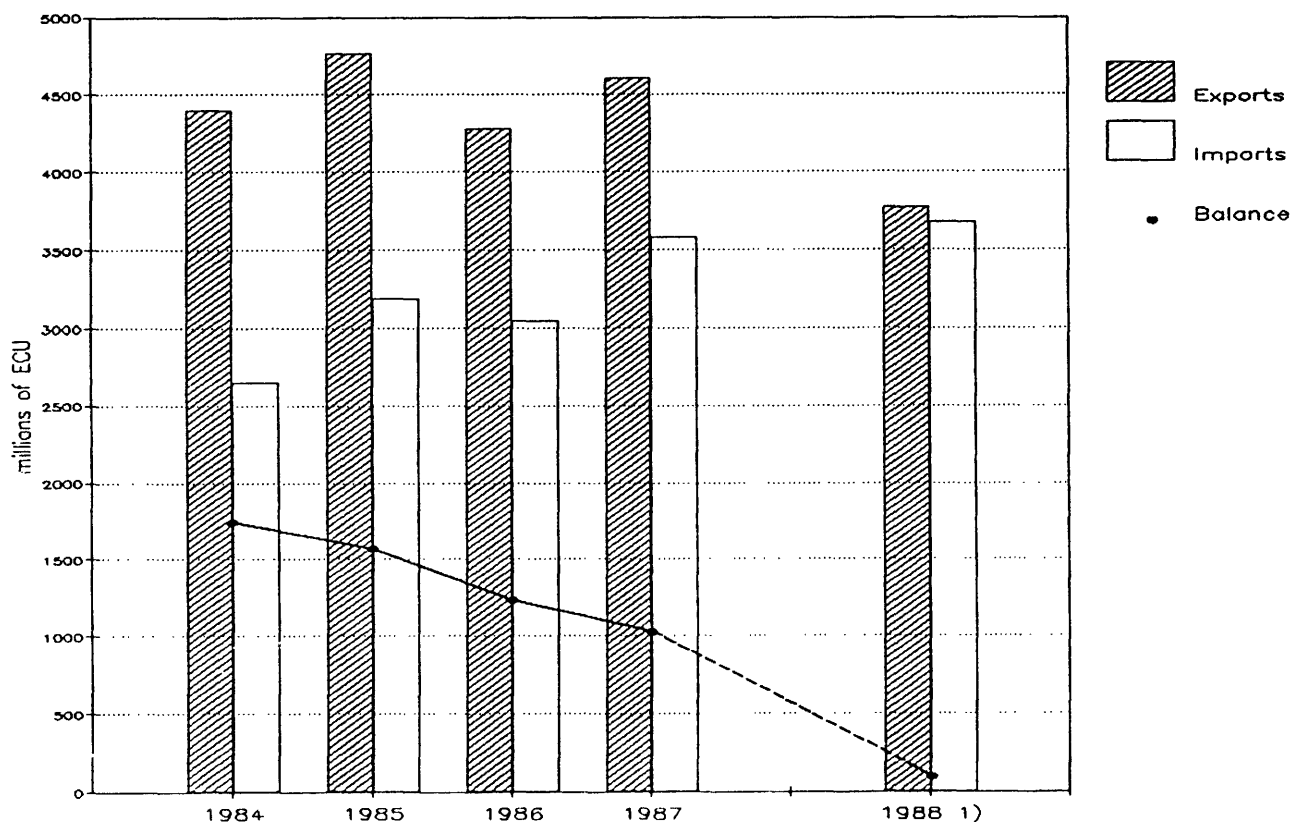
1) EUR-10 : EUR-12 without Portugal and Spain

2) Change in definition between 1987 and 1988

Source : Eurostat COMEXT

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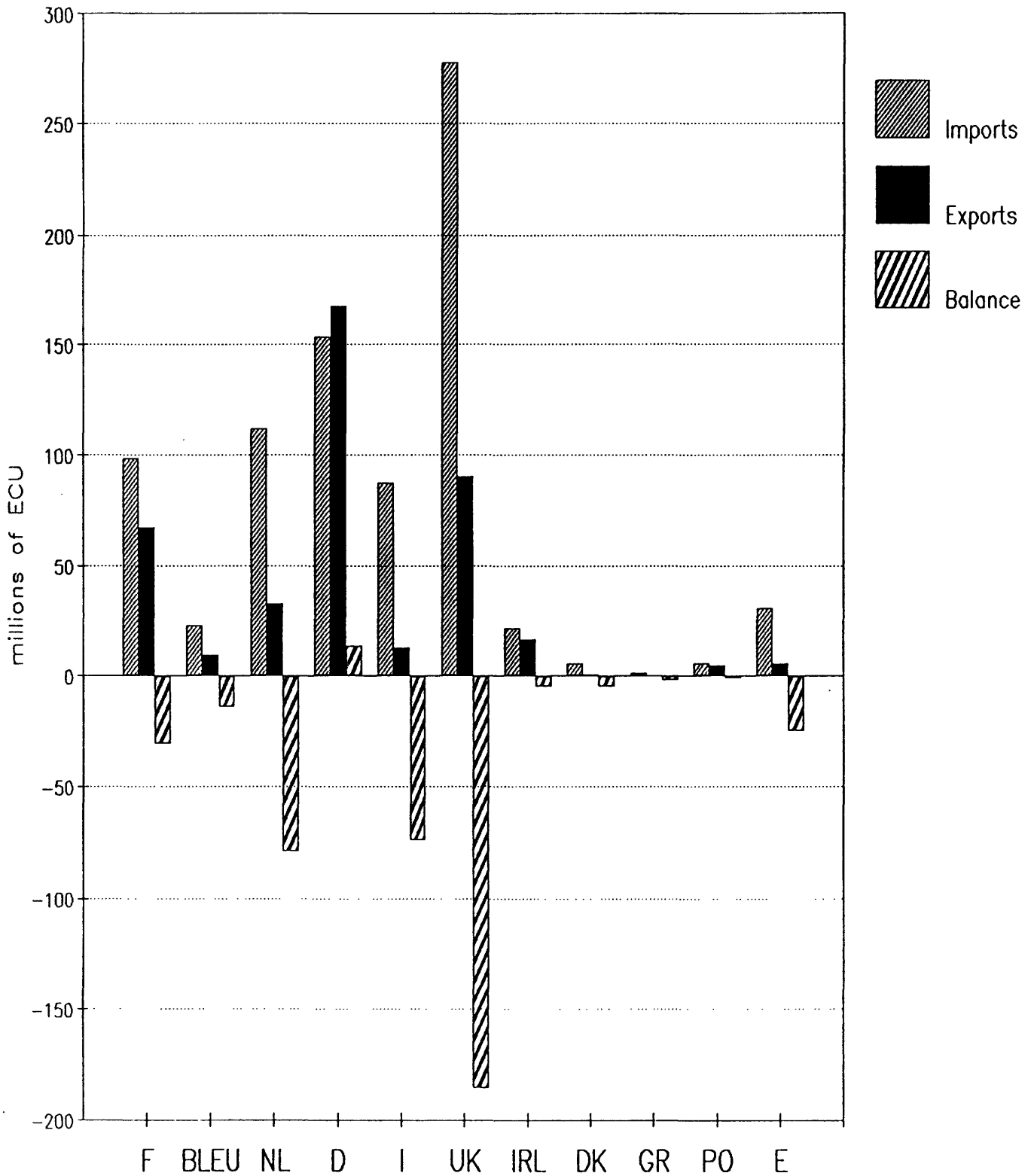
Telecommunications equipment trade with EXTRA-EC



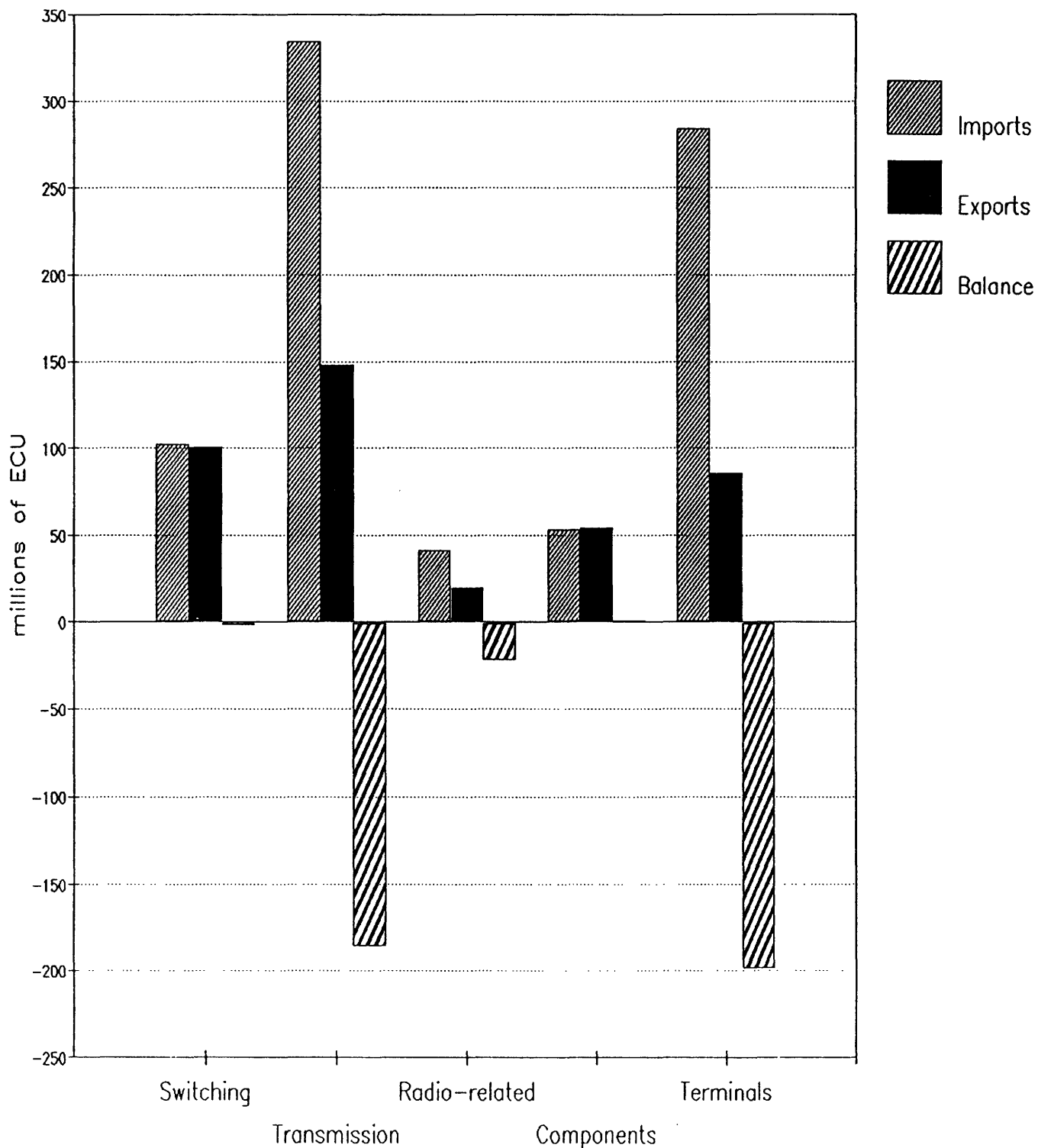
1) Change in definition between 1987 and 1988

GRAPHS

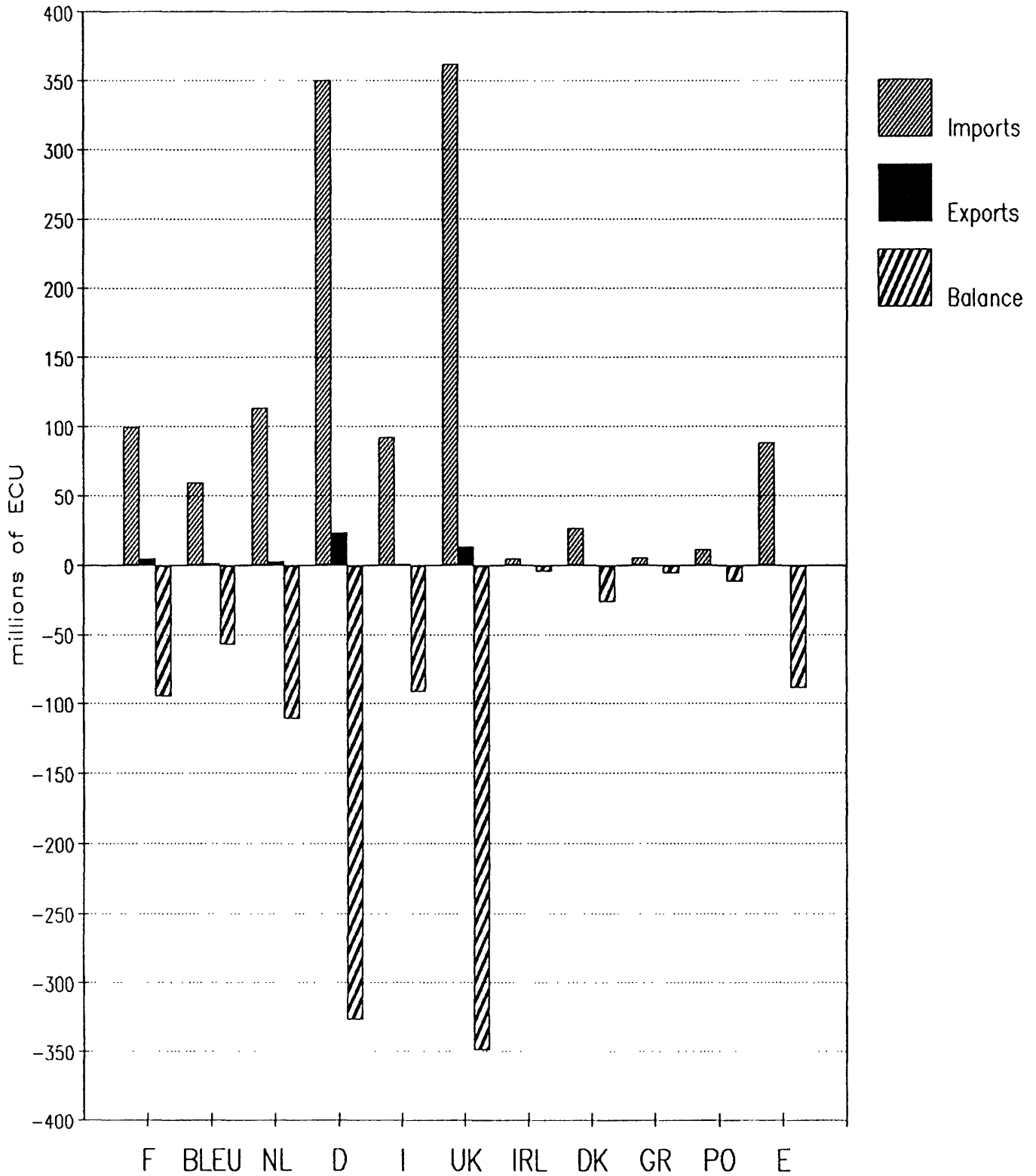
Telecommunications equipment trade with USA 1988



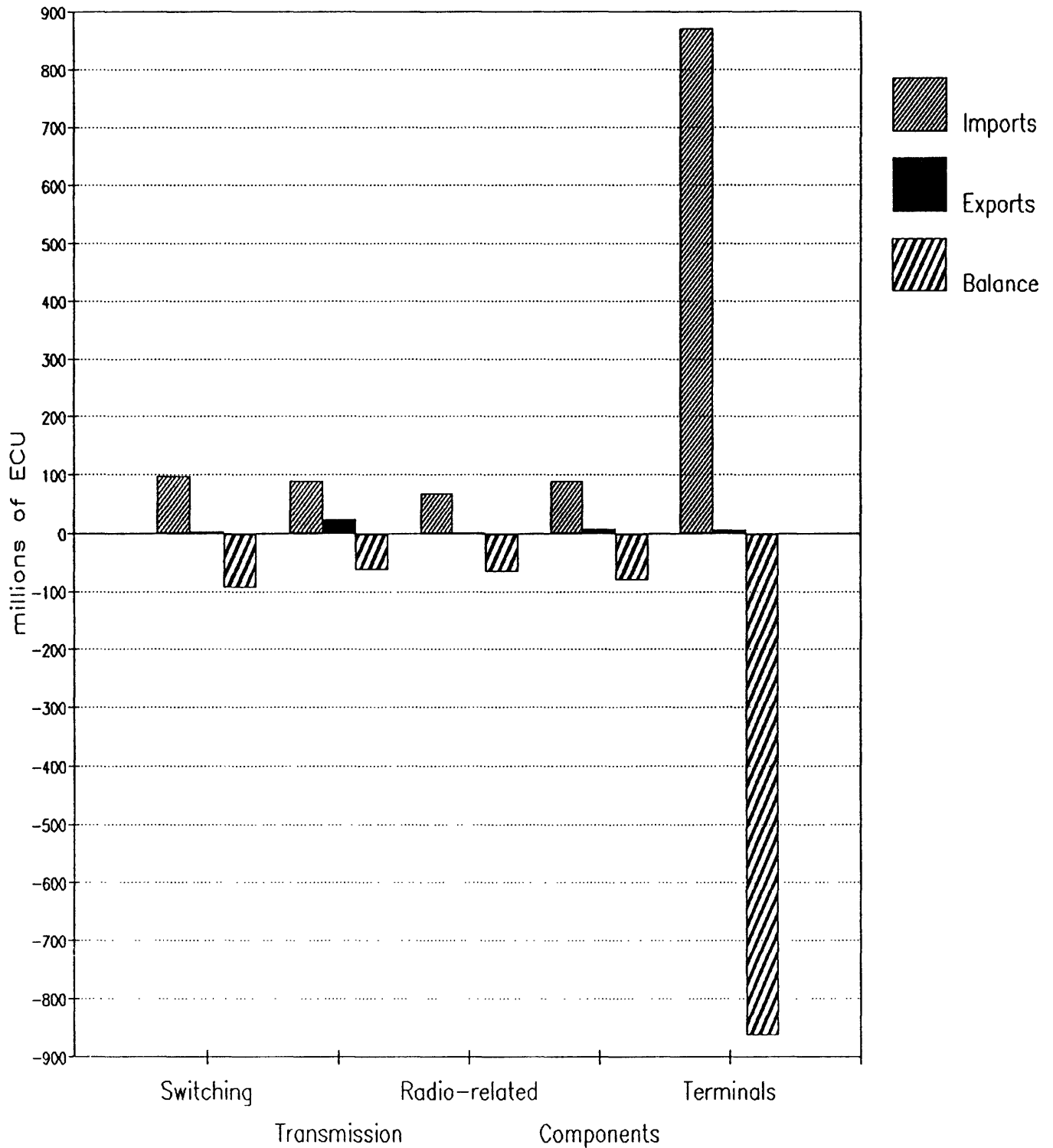
Telecommunications equipment trade with USA by product type 1988



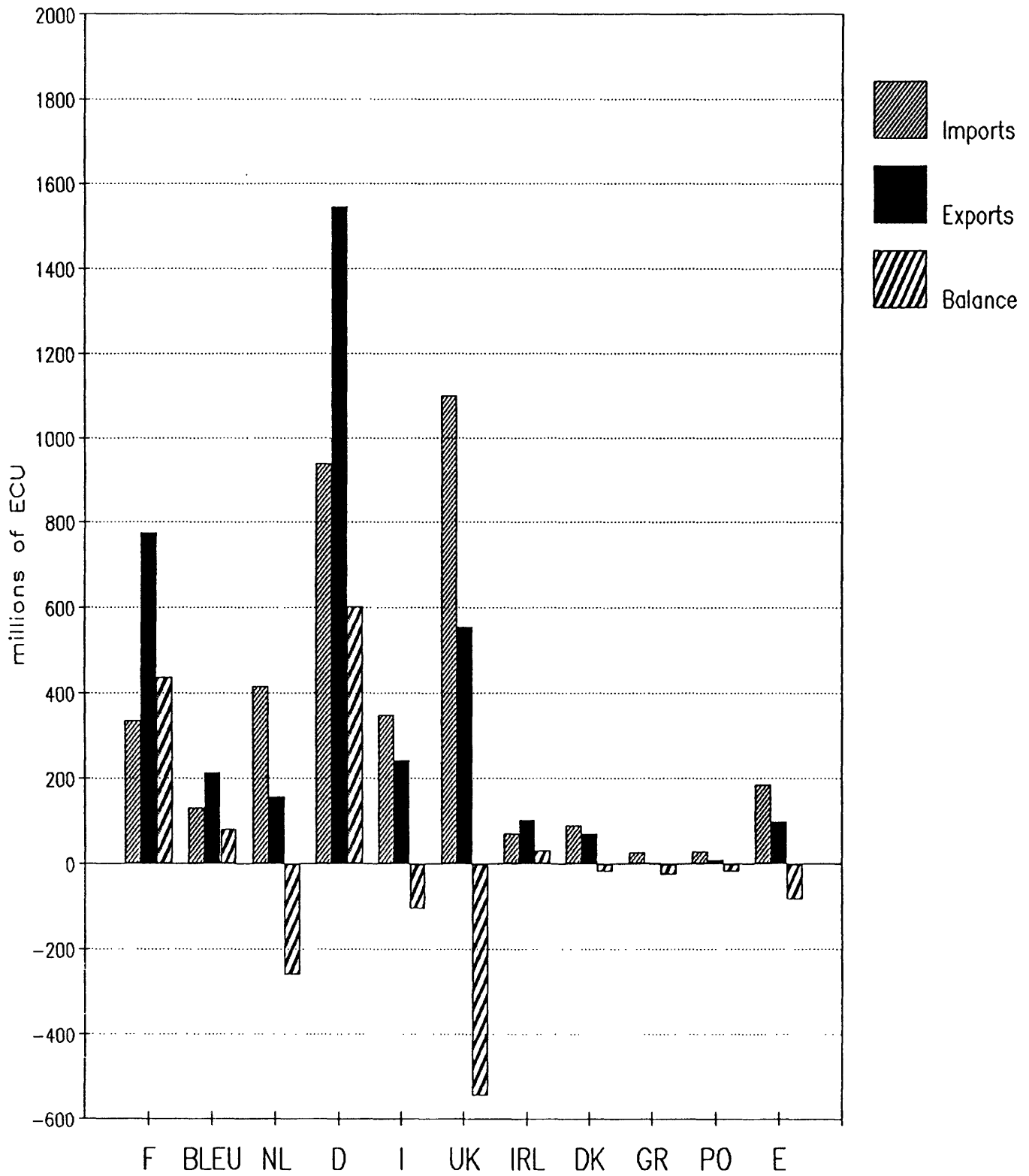
Telecommunications equipment trade with Japan 1988



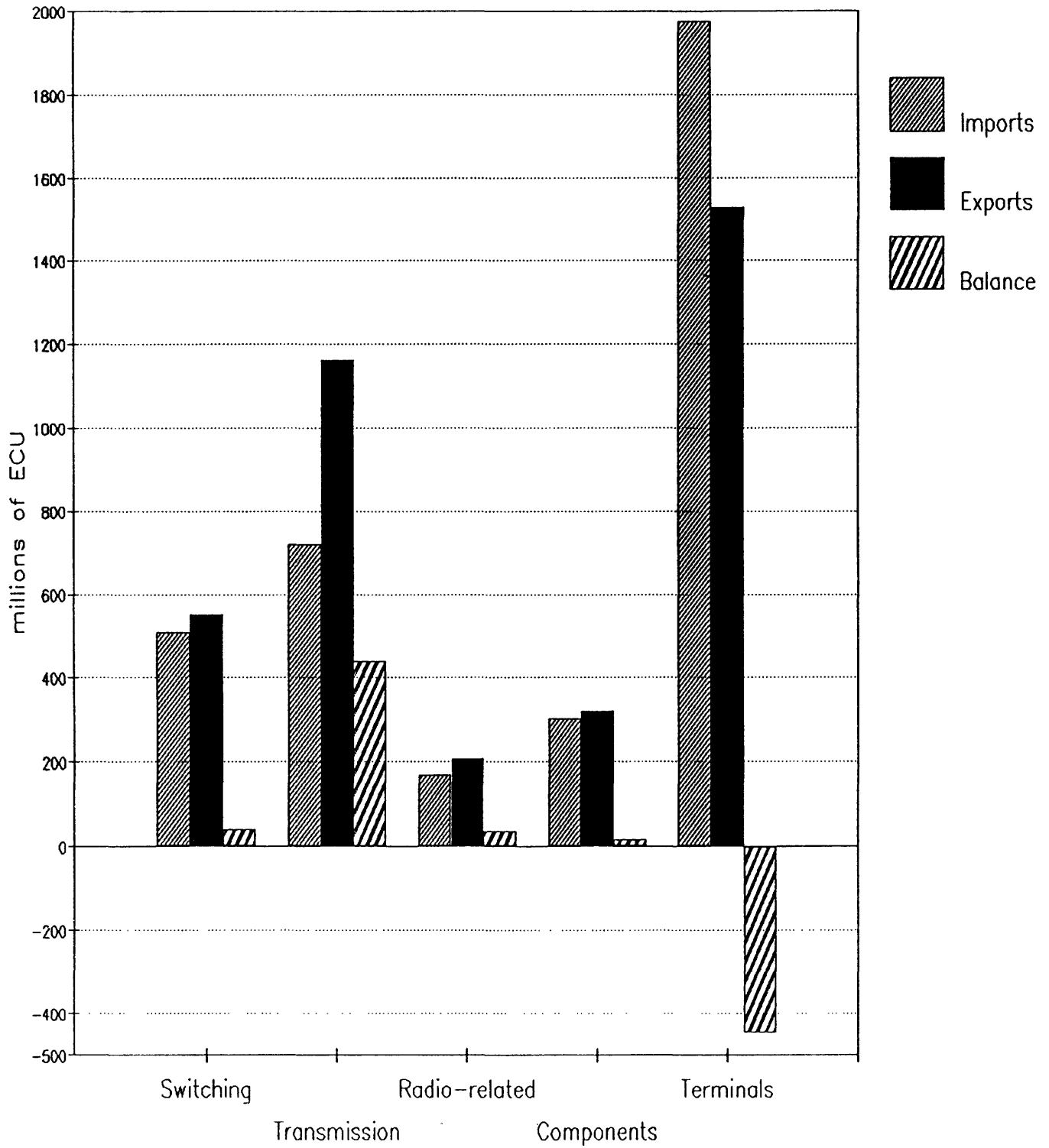
Telecommunications equipment trade with Japan
by product type
1988



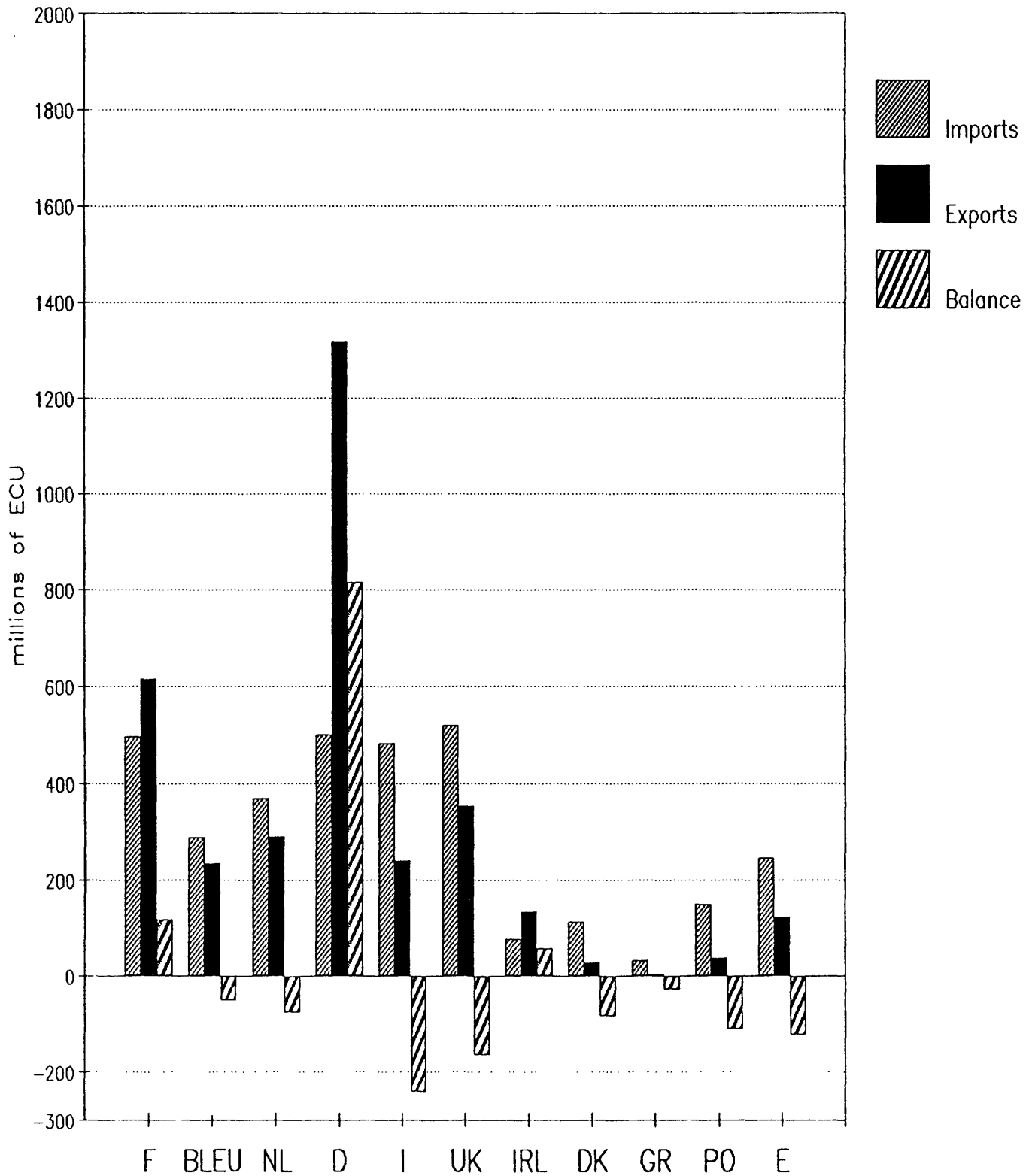
Telecommunications equipment trade with EXTRA-EC 1988



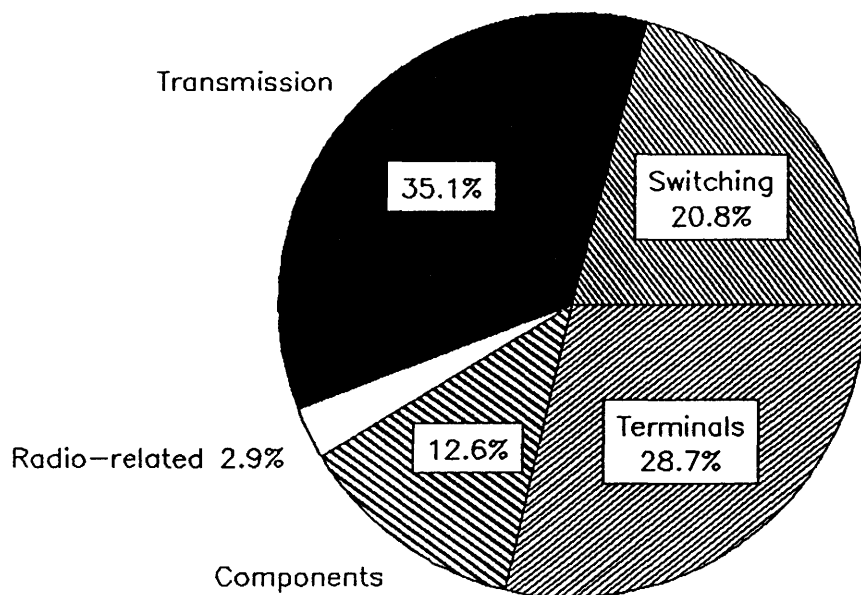
Telecommunications equipment trade with EXTRA-EC by product type 1988



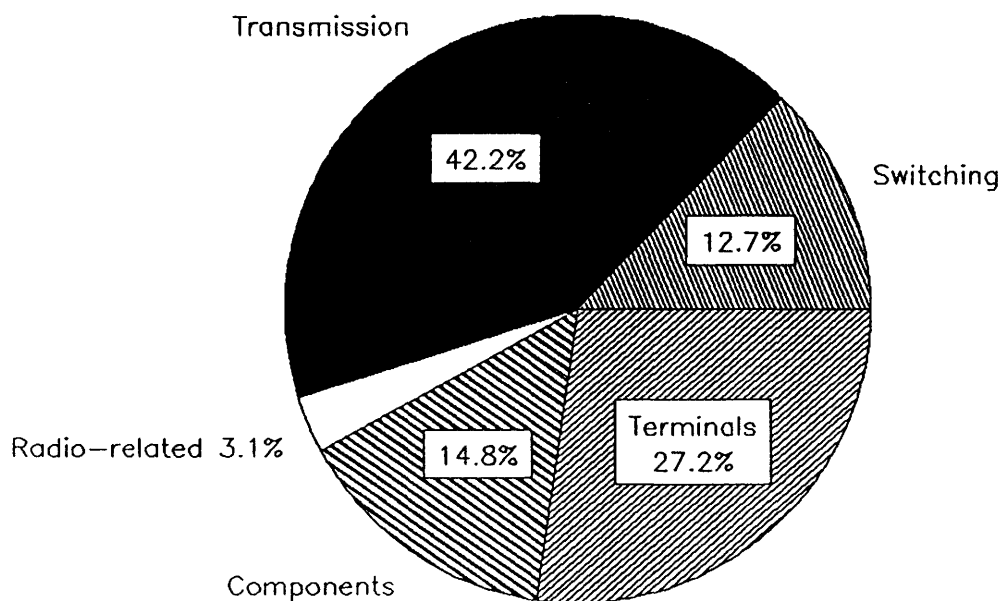
Telecommunications equipment trade with INTRA-EC 1988



Telecommunications equipment trade with INTRA-EC by product type

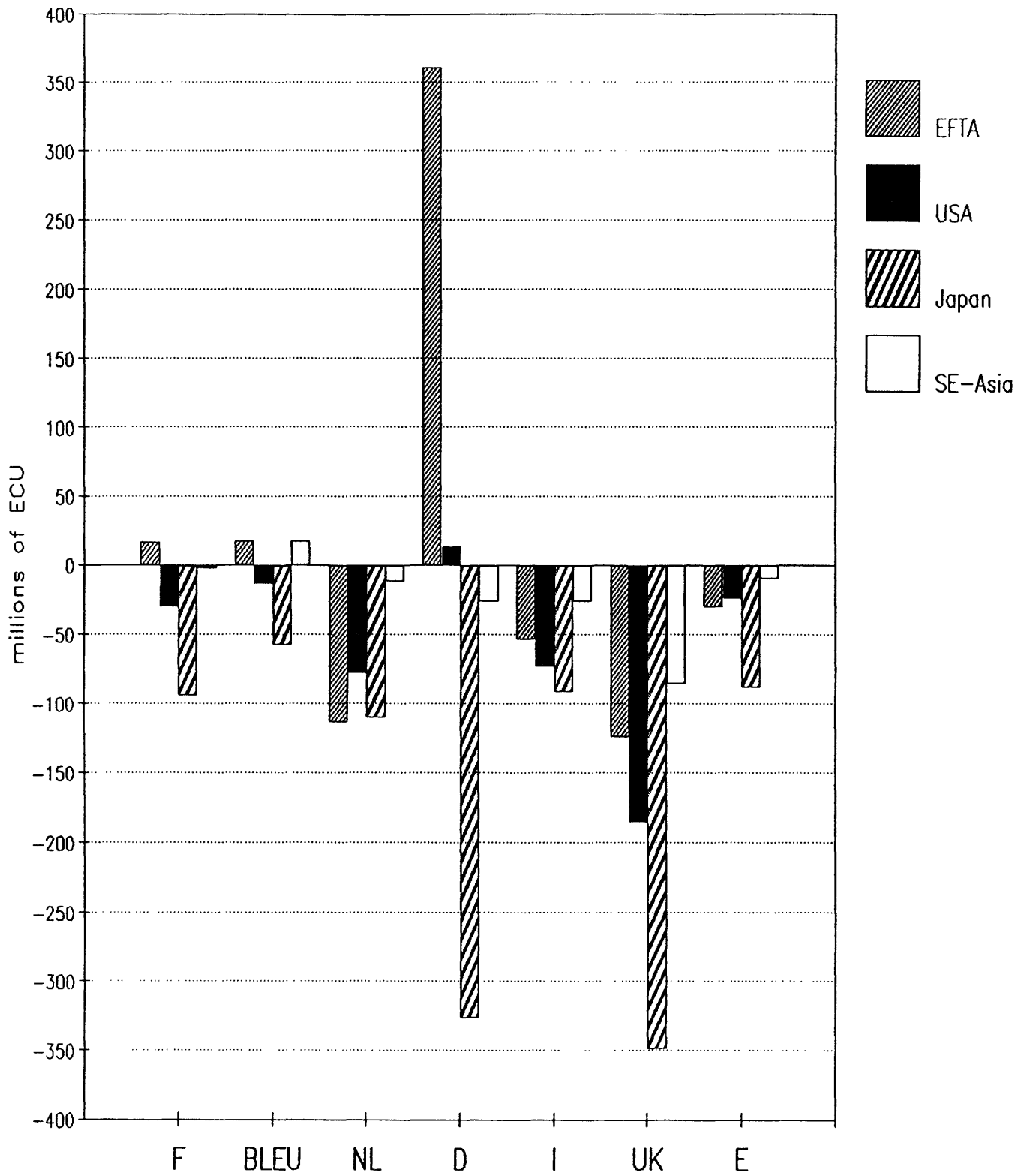


imports 1988 (3295 MECU)



exports 1988 (3400 MECU)

1988 trade balances of memberstates



IRL, DK, GR & PO omitted; trade-balances too small compared with others

**DETAILED INTRA- AND EXTRA-EC
TRADE FLOWS**

Summary extra EC 1988

Equipment Trade 1988

Switching equipment trade 1988

Transmission equipment trade 1988

Radio-related equipment trade 1988

Components trade 1988

Terminals trade 1988

Equipment trade 1987

Equipment trade 1986

Equipment trade 1985

Equipment trade 1984

Telecommunications equipment trade 1988 with EXTRA-EC by reporter in millions of ECU

1988

IMPORTS TO :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
Switching	38	14	31	188	44	158	4	5	2	4	23	511	Switching
Transmission	92	33	59	216	54	196	16	17	2	5	32	722	Transmission
Radio-related	49	1	10	21	11	67	1	2	0	1	10	172	Radio-related
Components	38	8	16	114	36	55	1	9	2	4	22	304	Components
Terminals	120	77	303	402	205	625	49	59	22	16	99	1977	Terminals
Total	337	133	418	941	350	1101	72	91	28	30	187	3686	Total
EXPORTS FROM :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
Switching	104	10	80	201	36	94	12	4	0	1	13	555	Switching
Transmission	160	36	32	695	55	138	7	22	1	1	18	1164	Transmission
Radio-related	101	0	8	37	3	57	1	1	0	0	2	210	Radio-related
Components	104	6	3	128	23	44	2	1	0	5	8	322	Components
Terminals	306	165	36	485	126	221	83	44	0	3	60	1530	Terminals
Total	776	216	159	1546	243	555	104	72	1	10	100	3782	Total
BALANCE OF :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
Switching	66	-4	49	13	-9	-64	7	-1	-2	-4	-9	44	Switching
Transmission	68	2	-27	478	2	-58	-9	5	-1	-4	-14	442	Transmission
Radio-related	53	0	-2	16	-8	-10	-1	-1	0	-1	-9	38	Radio-related
Components	66	-2	-13	14	-13	-11	1	-8	-2	1	-14	18	Components
Terminals	186	88	-267	83	-78	-404	34	-15	-22	-13	-40	-447	Terminals
Total	439	83	-260	605	-107	-546	32	-19	-27	-20	-86	95	Total

. GR was estimated based on the period January - April 1988.

. EXTRA-EC sub-totals include trade with countries not specified for military or commercial reasons.

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

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Telecommunications equipment trade 1988 by reporter and partner in millions of ECU

1988

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	58	40	111	114	94	5	10	13	20	63	527	France
	BLEU	71	0	28	73	28	30	3	4	3	4	7	251	BLEU
	Netherlands	40	55	0	51	39	79	2	9	2	7	17	302	Netherlands
	West-Germany	191	129	206	0	246	191	19	67	13	86	83	1231	West-Germany
	Italy	69	10	11	42	0	40	3	8	3	7	44	238	Italy
	United Kingdom	61	20	63	89	37	0	45	14	1	10	27	368	United Kingdom
	Ireland	35	5	11	39	5	67	0	3	0	4	1	170	Ireland
	Denmark	2	3	5	12	3	6	2	0	0	1	2	35	Denmark
	Greece	0	0	0	10	0	2	0	0	0	0	0	12	Greece
	Portugal	2	0	4	27	3	2	0	0	0	0	4	43	Portugal
	Spain	25	10	3	47	10	11	0	1	0	11	0	117	Spain
	INTRA-EC	498	291	371	501	485	520	78	115	35	152	248	3295	INTRA-EC
	EFTA	78	18	149	254	108	217	16	51	1	11	46	950	EFTA
	USA	99	23	112	154	88	278	22	6	2	6	31	819	USA
	Japan	100	60	114	351	93	363	5	27	6	12	89	1220	Japan
	South Korea	4	6	3	2	10	27	0	2	0	0	4	59	South Korea
	Taiwan	14	6	17	45	16	54	1	2	3	1	5	163	Taiwan
	Hong Kong	5	1	7	7	7	59	1	0	2	0	1	89	Hong Kong
	Singapore	4	0	1	16	1	8	0	0	0	0	1	31	Singapore
	EXTRA-EC	337	133	418	941	350	1101	72	91	28	30	187	3686	EXTRA-EC
EXPORTS														
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	82	38	194	66	56	11	2	0	2	23	472	France
	BLEU	58	0	54	144	10	16	5	3	0	0	13	305	BLEU
	Netherlands	46	27	0	227	8	49	10	5	0	0	5	376	Netherlands
	West-Germany	160	51	52	0	63	101	58	8	5	32	47	577	West-Germany
	Italy	128	24	40	278	0	42	6	3	0	3	14	537	Italy
	United Kingdom	107	30	76	185	43	0	38	5	0	0	10	492	United Kingdom
	Ireland	12	1	1	19	3	40	0	1	0	0	1	78	Ireland
	Denmark	9	4	8	68	7	23	2	0	0	0	1	122	Denmark
	Greece	10	1	3	32	6	2	1	0	0	0	2	57	Greece
	Portugal	21	5	4	87	6	11	6	1	0	0	8	149	Portugal
	Spain	68	12	17	85	31	14	1	1	0	3	0	233	Spain
	INTRA-EC	617	237	293	1319	242	355	137	30	5	40	124	3400	INTRA-EC
	EFTA	96	36	35	615	55	92	55	38	0	1	14	1038	EFTA
	USA	68	10	33	168	13	91	17	1	0	5	6	412	USA
	Japan	5	2	3	24	1	14	0	0	0	0	0	51	Japan
	South Korea	3	24	1	7	0	11	0	1	0	0	0	47	South Korea
	Taiwan	4	5	2	12	1	8	0	0	0	0	0	33	Taiwan
	Hong Kong	6	1	7	9	2	27	0	0	0	1	1	54	Hong Kong
	Singapore	11	1	6	14	3	14	1	0	0	0	1	52	Singapore
	EXTRA-EC	776	216	159	1546	243	555	104	72	1	10	100	3782	EXTRA-EC
BALANCE														
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	24	-3	83	-48	-38	5	-8	-13	-19	-40	-56	France
	BLEU	-13	0	26	71	-18	-14	2	-1	-3	-4	7	55	BLEU
	Netherlands	5	-28	0	176	-31	-30	8	-4	-2	-7	-13	74	Netherlands
	West-Germany	-31	-77	-154	0	-183	-91	39	-59	-8	-54	-36	-654	West-Germany
	Italy	59	14	29	236	0	3	3	-5	-3	-5	-30	300	Italy
	United Kingdom	45	10	12	95	6	0	-7	-9	-1	-10	-17	125	United Kingdom
	Ireland	-23	-4	-9	-21	-2	-27	0	-1	0	-4	0	-91	Ireland
	Denmark	6	1	3	56	4	18	1	0	0	-1	-1	87	Denmark
	Greece	10	1	3	22	6	1	1	0	0	0	2	45	Greece
	Portugal	18	5	0	60	3	9	6	1	0	0	4	106	Portugal
	Spain	43	2	14	38	21	4	1	1	0	-8	0	116	Spain
	INTRA-EC	119	-53	-78	817	-243	-165	59	-85	-30	-112	-124	105	INTRA-EC
	EFTA	17	18	-114	361	-54	-125	40	-13	-1	-10	-31	88	EFTA
	USA	-31	-14	-79	14	-74	-186	-5	-5	-2	-1	-25	-408	USA
	Japan	-95	-58	-111	-327	-92	-349	-5	-27	-6	-12	-89	-1169	Japan
	South Korea	-1	18	-2	5	-10	-15	0	-2	0	0	-4	-12	South Korea
	Taiwan	-11	-1	-14	-32	-15	-46	-1	-1	-3	-1	-5	-130	Taiwan
	Hong Kong	1	0	-1	2	-5	-31	0	0	-2	1	0	-35	Hong Kong
	Singapore	8	1	5	-2	3	6	1	0	0	0	-1	21	Singapore
	EXTRA-EC	439	83	-260	605	-107	-546	32	-19	-27	-20	-86	95	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

Telecommunications switching equipment trade 1988 by reporter and partner in millions of ECU

1988

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	14	5	25	28	9	0	2	2	5	23	114	France
	BLEU	5	0	4	11	2	6	0	0	0	1	0	30	BLEU
	Netherlands	6	16	0	0	2	8	0	1	0	0	2	36	Netherlands
	West-Germany	43	46	57	0	80	53	1	9	4	35	28	356	West-Germany
	Italy	23	3	2	0	0	7	0	0	1	2	6	45	Italy
	United Kingdom	6	2	9	26	7	0	4	2	0	2	5	63	United Kingdom
	Ireland	2	0	1	2	0	4	0	1	0	0	0	10	Ireland
	Denmark	0	0	0	2	0	1	0	0	0	0	0	4	Denmark
	Greece	0	0	0	4	0	0	0	0	0	0	0	4	Greece
	Portugal	0	0	0	3	1	0	0	0	0	0	2	6	Portugal
	Spain	4	1	0	5	4	2	0	0	0	2	0	18	Spain
	INTRA-EC	89	83	79	79	124	90	6	15	7	47	66	686	INTRA-EC
	EFTA	14	3	13	64	20	67	0	3	1	1	9	195	EFTA
	USA	8	3	9	21	10	44	3	0	1	0	4	103	USA
	Japan	8	6	8	25	8	32	1	1	0	2	7	98	Japan
	South Korea	0	0	0	0	0	0	0	0	0	0	0	1	South Korea
	Taiwan	1	2	1	3	2	1	0	0	0	0	1	12	Taiwan
	Hong Kong	0	0	0	1	0	1	0	0	0	0	0	2	Hong Kong
	Singapore	1	0	0	11	0	1	0	0	0	0	0	14	Singapore
	EXTRA-EC	38	14	31	188	44	158	4	5	2	4	23	511	EXTRA-EC
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	3	6	4	12	10	0	0	0	0	13	49	France
	BLEU	8	0	17	16	2	3	0	0	0	0	1	48	BLEU
	Netherlands	4	3	0	9	2	9	2	0	0	0	1	31	Netherlands
	West-Germany	12	1	20	0	21	30	1	1	0	1	6	92	West-Germany
	Italy	22	6	12	5	0	7	0	0	0	1	8	61	Italy
	United Kingdom	11	9	36	7	8	0	1	1	0	0	2	74	United Kingdom
	Ireland	0	0	0	1	0	5	0	0	0	0	0	7	Ireland
	Denmark	1	0	3	1	1	3	0	0	0	0	0	10	Denmark
	Greece	3	0	0	2	1	0	0	0	0	0	0	7	Greece
	Portugal	2	1	1	8	1	2	1	0	0	0	2	18	Portugal
	Spain	11	0	12	2	6	3	0	0	0	1	0	35	Spain
	INTRA-EC	74	23	107	55	54	71	5	3	0	3	35	431	INTRA-EC
	EFTA	15	2	15	53	6	20	10	1	0	0	2	124	EFTA
	USA	25	0	30	24	2	18	1	1	0	0	1	101	USA
	Japan	1	0	2	0	0	1	0	0	0	0	0	4	Japan
	South Korea	1	0	0	0	0	0	0	0	0	0	0	1	South Korea
	Taiwan	1	0	1	0	0	1	0	0	0	0	0	4	Taiwan
	Hong Kong	1	0	1	0	0	6	0	0	0	0	0	9	Hong Kong
	Singapore	2	0	2	1	0	2	0	0	0	0	0	7	Singapore
	EXTRA-EC	104	10	80	201	36	94	12	4	0	1	13	555	EXTRA-EC
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	-11	1	-22	-16	1	0	-2	-2	-5	-10	-65	France
	BLEU	4	0	14	4	0	-4	0	0	0	-1	1	18	BLEU
	Netherlands	-2	-13	0	9	-1	1	2	-1	0	0	-1	-6	Netherlands
	West-Germany	-31	-46	-37	0	-59	-22	0	-8	-4	-35	-22	-264	West-Germany
	Italy	-1	3	10	5	0	0	0	0	-1	-1	1	17	Italy
	United Kingdom	4	7	26	-19	1	0	-3	-1	0	-2	-2	11	United Kingdom
	Ireland	-1	0	-1	0	0	0	0	0	0	0	0	-3	Ireland
	Denmark	1	0	3	-1	1	2	0	0	0	0	0	6	Denmark
	Greece	3	0	0	-2	1	0	0	0	0	0	0	2	Greece
	Portugal	2	0	1	5	0	2	1	0	0	0	1	12	Portugal
	Spain	7	-1	11	-3	3	0	0	0	0	-1	0	17	Spain
	INTRA-EC	-15	-60	28	-24	-70	-19	-1	-12	-7	-44	-31	-255	INTRA-EC
	EFTA	1	0	2	-11	-15	-46	9	-2	-1	-1	-7	-71	EFTA
	USA	17	-3	21	3	-8	-26	-2	0	-1	0	-3	-2	USA
	Japan	-7	-6	-6	-25	-8	-31	-1	-1	0	-2	-7	-94	Japan
	South Korea	0	0	0	0	0	0	0	0	0	0	0	0	South Korea
	Taiwan	-1	-2	0	-2	-2	0	0	0	0	0	-1	-8	Taiwan
	Hong Kong	1	0	1	0	0	5	0	0	0	0	0	7	Hong Kong
	Singapore	0	0	2	-11	0	1	0	0	0	0	0	-7	Singapore
	EXTRA-EC	66	-4	49	13	-9	-64	7	-1	-2	-4	-9	44	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

Telecommunications transmission equipment trade 1988 by reporter and partner in millions of ECU

1988

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	24	16	55	21	40	2	4	0	4	22	189	France
	BLEU	48	0	6	31	10	10	0	3	0	1	3	113	BLEU
	Netherlands	21	14	0	36	7	25	1	2	0	3	2	112	Netherlands
	West-Germany	70	35	66	0	71	68	13	29	3	12	22	390	West-Germany
	Italy	25	4	3	28	0	14	1	3	1	4	11	93	Italy
	United Kingdom	21	7	19	35	11	0	18	3	0	1	11	127	United Kingdom
	Ireland	9	2	4	13	1	24	0	0	0	2	1	56	Ireland
	Denmark	1	1	1	4	0	1	0	0	0	0	0	9	Denmark
	Greece	0	0	0	5	0	2	0	0	0	0	0	7	Greece
	Portugal	1	0	4	4	2	1	0	0	0	0	2	15	Portugal
	Spain	17	9	1	3	2	5	0	0	0	8	0	45	Spain
	INTRA-EC	214	97	122	213	126	191	35	44	5	34	74	1155	INTRA-EC
	EFTA	13	4	6	73	8	24	2	12	0	2	7	149	EFTA
	USA	53	9	34	71	31	106	11	2	0	1	16	335	USA
	Japan	9	8	6	29	5	22	1	1	1	2	5	90	Japan
	South Korea	1	0	0	1	0	3	0	0	0	0	0	5	South Korea
	Taiwan	7	2	7	23	4	10	0	1	0	0	2	57	Taiwan
	Hong Kong	0	0	1	2	0	2	0	0	0	0	0	6	Hong Kong
	Singapore	1	0	0	4	0	5	0	0	0	0	1	10	Singapore
	EXTRA-EC	92	33	59	216	54	196	16	17	2	5	32	722	EXTRA-EC
EXTRA-EC														
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	57	26	113	37	12	6	1	0	0	7	259	France
	BLEU	18	0	15	63	3	3	2	1	0	0	11	116	BLEU
	Netherlands	14	6	0	138	2	7	3	1	0	0	1	173	Netherlands
	West-Germany	64	22	16	0	26	31	30	3	0	12	28	232	West-Germany
	Italy	28	10	7	153	0	10	0	1	0	2	2	213	Italy
	United Kingdom	53	11	18	105	7	0	21	1	0	0	5	221	United Kingdom
	Ireland	5	0	0	14	1	14	0	0	0	0	1	36	Ireland
	Denmark	2	3	3	41	2	7	0	0	0	0	0	58	Denmark
	Greece	1	0	0	6	1	0	0	0	0	0	0	9	Greece
	Portugal	3	1	1	24	2	1	2	0	0	0	3	37	Portugal
	Spain	23	3	3	43	3	5	0	0	0	2	0	82	Spain
	INTRA-EC	211	114	89	700	85	90	63	8	0	16	59	1435	INTRA-EC
	EFTA	25	20	8	320	12	15	2	8	0	0	4	413	EFTA
	USA	15	6	1	93	2	29	2	0	0	0	1	149	USA
	Japan	1	0	0	18	0	5	0	0	0	0	0	26	Japan
	South Korea	0	0	0	5	0	1	0	0	0	0	0	7	South Korea
	Taiwan	1	0	1	8	0	1	0	0	0	0	0	11	Taiwan
	Hong Kong	1	1	3	7	1	6	0	0	0	0	1	19	Hong Kong
	Singapore	4	0	3	10	3	3	0	0	0	0	0	23	Singapore
	EXTRA-EC	160	36	32	695	55	138	7	22	1	1	18	1164	EXTRA-EC
EXTRA-EC														
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	33	10	58	16	-28	4	-3	0	-4	-15	70	France
	BLEU	-30	0	9	32	-7	-7	1	-2	0	-1	8	3	BLEU
	Netherlands	-7	-8	0	102	-6	-17	2	-1	0	-3	-1	61	Netherlands
	West-Germany	-6	-13	-51	0	-45	-37	16	-26	-3	0	7	-158	West-Germany
	Italy	3	6	4	126	0	-4	-1	-2	-1	-2	-9	120	Italy
	United Kingdom	31	4	-1	70	-4	0	4	-2	0	-1	-6	94	United Kingdom
	Ireland	-4	-2	-4	1	0	-10	0	0	0	-2	0	-20	Ireland
	Denmark	1	2	2	37	2	5	0	0	0	0	0	49	Denmark
	Greece	1	0	0	1	1	-1	0	0	0	0	0	2	Greece
	Portugal	2	1	-3	20	0	0	2	0	0	0	1	22	Portugal
	Spain	6	-6	1	40	1	-1	0	0	0	-6	0	37	Spain
	INTRA-EC	-3	17	-33	487	-41	-101	28	-36	-5	-19	-15	280	INTRA-EC
	EFTA	12	16	2	247	5	-9	0	-5	0	-1	-3	264	EFTA
	USA	-38	-3	-33	21	-29	-76	-9	-2	0	-1	-15	-186	USA
	Japan	-8	-8	-6	-11	-4	-17	-1	-1	-1	-2	-5	-64	Japan
	South Korea	0	0	0	5	0	-2	0	0	0	0	0	2	South Korea
	Taiwan	-6	-2	-7	-15	-4	-10	0	-1	0	0	-2	-47	Taiwan
	Hong Kong	1	1	2	5	1	4	0	0	0	0	1	13	Hong Kong
	Singapore	3	0	3	7	3	-2	0	0	0	0	0	13	Singapore
	EXTRA-EC	68	2	-27	478	2	-58	-9	5	-1	-4	-14	442	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

DGXIII-E-3
PV 06JUN89

Telecommunications radio-related equipment trade 1988 by reporter and partner in millions of ECU

1988

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	0	0	2	3	5	0	0	0	3	3	16	France
	BLEU	1	0	0	0	0	1	0	0	0	0	0	3	BLEU
	Netherlands	4	2	0	3	2	1	0	1	0	0	0	13	Netherlands
	West-Germany	10	1	4	0	3	3	0	8	0	0	1	31	West-Germany
	Italy	3	0	0	1	0	1	0	0	0	0	0	5	Italy
	United Kingdom	3	1	4	4	3	0	1	1	0	0	5	23	United Kingdom
	Ireland	0	0	0	0	0	0	0	0	0	0	0	0	Ireland
	Denmark	0	1	0	1	1	0	0	0	0	0	0	3	Denmark
	Greece	0	0	0	0	0	0	0	0	0	0	0	0	Greece
	Portugal	0	0	0	0	0	0	0	0	0	0	0	0	Portugal
	Spain	0	0	0	0	0	0	0	0	0	0	0	1	Spain
	INTRA-EC	21	5	9	10	12	12	1	10	1	4	9	94	INTRA-EC
	EFTA	21	0	2	8	4	6	0	1	0	0	0	42	EFTA
	USA	8	0	0	4	4	20	1	1	0	0	4	42	USA
	Japan	15	0	4	8	3	33	0	0	0	1	5	70	Japan
	South Korea	2	0	0	0	0	1	0	0	0	0	0	4	South Korea
	Taiwan	0	0	0	0	0	0	0	0	0	0	0	1	Taiwan
	Hong Kong	0	0	0	0	0	1	0	0	0	0	0	1	Hong Kong
	Singapore	0	0	0	0	0	0	0	0	0	0	0	0	Singapore
	EXTRA-EC	49	1	10	21	11	67	1	2	0	1	10	172	EXTRA-EC
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	0	1	6	2	4	0	0	0	0	1	14	France
	BLEU	3	0	1	1	0	2	0	0	0	0	0	8	BLEU
	Netherlands	0	0	0	5	0	3	0	0	0	0	0	9	Netherlands
	West-Germany	8	0	2	0	1	8	0	1	0	0	0	20	West-Germany
	Italy	5	0	1	3	0	6	0	0	0	0	0	15	Italy
	United Kingdom	6	0	0	2	1	0	0	0	0	0	0	10	United Kingdom
	Ireland	0	0	0	0	0	1	0	0	0	0	0	1	Ireland
	Denmark	0	0	0	9	0	1	0	0	0	0	0	11	Denmark
	Greece	0	0	0	0	0	0	0	0	0	0	0	1	Greece
	Portugal	4	0	0	0	0	1	0	0	0	0	0	5	Portugal
	Spain	5	0	0	3	1	2	0	0	0	0	0	11	Spain
	INTRA-EC	33	1	5	30	5	29	0	1	0	0	1	105	INTRA-EC
	EFTA	6	0	1	24	1	5	0	1	0	0	0	37	EFTA
	USA	7	0	0	1	0	10	1	0	0	0	0	20	USA
	Japan	0	0	0	1	0	1	0	0	0	0	0	3	Japan
	South Korea	0	0	0	0	0	8	0	0	0	0	0	9	South Korea
	Taiwan	0	0	0	0	0	3	0	0	0	0	0	3	Taiwan
	Hong Kong	0	0	0	0	0	1	0	0	0	0	0	1	Hong Kong
	Singapore	0	0	0	0	0	1	0	0	0	0	0	2	Singapore
	EXTRA-EC	101	0	8	37	3	57	1	1	0	0	2	210	EXTRA-EC
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	0	1	4	-1	0	0	0	0	-3	-2	-2	France
	BLEU	2	0	1	0	0	2	0	0	0	0	0	5	BLEU
	Netherlands	-4	-2	0	2	-1	2	0	-1	0	0	0	-4	Netherlands
	West-Germany	-2	-1	-2	0	-2	5	0	-7	0	0	0	-11	West-Germany
	Italy	2	0	1	3	0	5	0	0	0	0	0	10	Italy
	United Kingdom	3	-1	-4	-1	-2	0	-1	-1	0	0	-5	-13	United Kingdom
	Ireland	0	0	0	0	0	1	0	0	0	0	0	1	Ireland
	Denmark	0	-1	0	8	-1	1	0	0	0	0	0	8	Denmark
	Greece	0	0	0	0	0	0	0	0	0	0	0	1	Greece
	Portugal	4	0	0	0	0	1	0	0	0	0	0	5	Portugal
	Spain	5	0	0	3	0	2	0	0	0	0	0	11	Spain
	INTRA-EC	12	-4	-4	20	-8	17	-1	-9	-1	-4	-8	11	INTRA-EC
	EFTA	-15	0	-1	16	-3	-1	0	0	0	0	0	-5	EFTA
	USA	-2	0	0	-2	-4	-9	-1	-1	0	0	-4	-22	USA
	Japan	-15	0	-4	-7	-3	-32	0	0	0	-1	-5	-67	Japan
	South Korea	-2	0	0	0	0	8	0	0	0	0	0	5	South Korea
	Taiwan	0	0	0	0	0	2	0	0	0	0	0	3	Taiwan
	Hong Kong	0	0	0	0	0	1	0	0	0	0	0	1	Hong Kong
	Singapore	0	0	0	0	0	1	0	0	0	0	0	1	Singapore
	EXTRA-EC	53	0	-2	16	-8	-10	-1	-1	0	-1	-9	38	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

Telecommunications components trade 1988 by reporter and partner in millions of ECU

1988

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	10	13	12	35	24	0	3	1	2	8	109	France
	BLEU	5	0	3	6	3	4	0	0	0	0	1	21	BLEU
	Netherlands	1	2	0	1	0	1	0	0	0	0	0	6	Netherlands
	West-Germany	46	14	18	0	24	38	0	7	1	2	9	158	West-Germany
	Italy	9	0	1	9	0	5	0	0	0	0	2	28	Italy
	United Kingdom	7	1	3	5	3	0	2	1	0	0	2	24	United Kingdom
	Ireland	16	0	0	9	1	1	0	0	0	0	0	27	Ireland
	Denmark	0	0	0	1	0	0	1	0	0	0	1	4	Denmark
	Greece	0	0	0	0	0	0	0	0	0	0	0	0	Greece
	Portugal	0	0	0	19	0	0	0	0	0	0	0	20	Portugal
	Spain	2	0	0	13	1	1	0	0	0	0	0	18	Spain
	INTRA-EC	86	27	39	76	66	75	4	12	2	6	23	415	INTRA-EC
	EFTA	15	4	9	45	8	18	0	3	0	3	13	119	EFTA
	USA	6	1	3	13	8	18	0	2	0	1	2	54	USA
	Japan	11	2	2	41	12	14	0	3	1	0	5	91	Japan
	South Korea	0	0	0	0	0	0	0	0	0	0	1	1	South Korea
	Taiwan	0	0	0	1	1	1	0	0	0	0	0	3	Taiwan
	Hong Kong	0	0	0	0	0	0	0	0	0	0	0	1	Hong Kong
	Singapore	0	0	0	1	0	0	0	0	0	0	0	1	Singapore
	EXTRA-EC	38	8	16	114	36	55	1	9	2	4	22	304	EXTRA-EC
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	4	0	42	9	6	1	0	0	0	1	64	France
	BLEU	18	0	1	13	1	1	0	0	0	0	0	35	BLEU
	Netherlands	13	3	0	20	1	2	0	0	0	0	0	39	Netherlands
	West-Germany	58	3	1	0	9	5	4	1	0	18	11	111	West-Germany
	Italy	46	2	0	40	0	3	1	0	0	0	1	92	Italy
	United Kingdom	23	1	1	41	23	0	1	0	0	0	2	92	United Kingdom
	Ireland	1	0	0	1	0	2	0	0	0	0	0	4	Ireland
	Denmark	5	0	0	6	0	1	0	0	0	0	0	12	Denmark
	Greece	2	0	0	1	1	0	0	0	0	0	0	4	Greece
	Portugal	6	0	0	2	1	0	0	0	0	0	0	9	Portugal
	Spain	21	1	0	13	3	1	0	0	0	0	0	40	Spain
	INTRA-EC	193	14	4	178	48	21	7	2	0	19	17	502	INTRA-EC
	EFTA	38	2	1	58	8	3	0	1	0	0	3	114	EFTA
	USA	8	1	1	27	3	8	1	0	0	5	2	55	USA
	Japan	2	0	0	2	0	4	0	0	0	0	0	10	Japan
	South Korea	0	0	0	1	0	0	0	0	0	0	0	2	South Korea
	Taiwan	0	0	0	0	0	0	0	0	0	0	0	1	Taiwan
	Hong Kong	2	0	0	1	0	2	0	0	0	0	0	6	Hong Kong
	Singapore	5	0	0	2	0	3	0	0	0	0	0	10	Singapore
	EXTRA-EC	104	6	3	128	23	44	2	1	0	5	8	322	EXTRA-EC
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	-5	-13	30	-27	-18	0	-3	-1	-2	-7	-45	France
	BLEU	13	0	-1	8	-2	-3	0	0	0	0	0	14	BLEU
	Netherlands	13	1	0	19	1	1	0	0	0	0	0	34	Netherlands
	West-Germany	12	-11	-17	0	-14	-33	4	-6	-1	16	2	-47	West-Germany
	Italy	37	1	-1	31	0	-2	0	0	0	0	-1	64	Italy
	United Kingdom	16	0	-2	36	20	0	-1	-1	0	0	0	68	United Kingdom
	Ireland	-14	0	0	-9	0	0	0	0	0	0	0	-23	Ireland
	Denmark	4	0	0	4	0	0	-1	0	0	0	-1	7	Denmark
	Greece	2	0	0	1	1	0	0	0	0	0	0	4	Greece
	Portugal	5	0	0	-18	1	0	0	0	0	0	0	-11	Portugal
	Spain	19	0	0	0	3	0	0	0	0	0	0	22	Spain
	INTRA-EC	107	-13	-34	102	-18	-54	3	-10	-2	13	-6	87	INTRA-EC
	EFTA	23	-2	-9	13	-1	-14	0	-3	0	-3	-9	-5	EFTA
	USA	2	0	-3	14	-5	-9	0	-2	0	4	-1	1	USA
	Japan	-8	-2	-2	-39	-12	-9	0	-3	-1	0	-5	-81	Japan
	South Korea	0	0	0	1	0	0	0	0	0	0	-1	0	South Korea
	Taiwan	0	0	0	0	-1	-1	0	0	0	0	0	-2	Taiwan
	Hong Kong	2	0	0	1	0	2	0	0	0	0	0	5	Hong Kong
	Singapore	5	0	0	1	0	3	0	0	0	0	0	9	Singapore
	EXTRA-EC	66	-2	-13	14	-13	-11	1	-8	-2	1	-14	18	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

DGXIII-E-3
PV 06JUN89

Telecommunications terminals trade 1988 by reporter and partner in millions of ECU

1988

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	10	5	16	26	16	3	1	10	6	8	101	France
	BLEU	13	0	15	25	12	9	2	1	2	2	3	85	BLEU
	Netherlands	9	21	0	11	27	44	0	5	1	3	13	136	Netherlands
	West-Germany	23	32	61	0	68	29	4	14	5	37	23	296	West-Germany
	Italy	8	3	5	5	0	12	2	4	1	1	24	67	Italy
	United Kingdom	23	8	28	20	14	0	20	7	0	7	3	131	United Kingdom
	Ireland	9	2	5	16	3	37	0	2	0	2	0	77	Ireland
	Denmark	1	2	3	3	2	3	1	0	0	0	0	15	Denmark
	Greece	0	0	0	0	0	0	0	0	0	0	0	1	Greece
	Portugal	1	0	0	1	0	0	0	0	0	0	0	3	Portugal
	Spain	3	0	1	26	3	2	0	0	0	1	0	36	Spain
	INTRA-EC	89	80	123	123	156	152	32	34	20	61	74	945	INTRA-EC
	EFTA	15	7	119	64	69	103	13	32	0	5	18	446	EFTA
	USA	23	10	66	45	35	91	6	1	1	3	4	285	USA
	Japan	57	44	93	247	65	262	3	22	4	7	66	872	Japan
	South Korea	1	6	2	2	9	23	0	2	0	0	3	48	South Korea
	Taiwan	6	2	9	18	9	41	0	1	2	0	3	90	Taiwan
	Hong Kong	4	1	7	4	6	55	0	0	1	0	1	80	Hong Kong
	Singapore	1	0	0	1	1	2	0	0	0	0	0	6	Singapore
	EXTRA-EC	120	77	303	402	205	625	49	59	22	16	99	1977	EXTRA-EC
EXPORTS														
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	18	3	29	6	24	4	1	0	1	0	86	France
	BLEU	10	0	19	52	4	8	3	2	0	0	0	99	BLEU
	Netherlands	14	15	0	56	3	28	4	3	0	0	2	124	Netherlands
	West-Germany	18	26	14	0	5	27	24	3	5	1	1	122	West-Germany
	Italy	27	6	20	76	0	16	5	2	0	0	3	156	Italy
	United Kingdom	15	8	21	29	5	0	15	3	0	0	0	95	United Kingdom
	Ireland	5	1	1	3	1	19	0	1	0	0	0	30	Ireland
	Denmark	1	0	2	10	4	12	2	0	0	0	0	32	Denmark
	Greece	4	1	2	23	3	1	0	0	0	0	2	36	Greece
	Portugal	6	3	3	53	2	7	3	1	0	0	2	81	Portugal
	Spain	7	8	2	24	17	4	0	1	0	0	0	65	Spain
	INTRA-EC	107	86	87	355	51	145	61	16	5	3	11	926	INTRA-EC
	EFTA	12	12	12	160	28	48	43	28	0	0	5	350	EFTA
	USA	13	2	1	23	5	25	13	1	0	0	2	86	USA
	Japan	0	2	1	2	0	2	0	0	0	0	0	8	Japan
	South Korea	1	24	0	1	0	1	0	0	0	0	0	28	South Korea
	Taiwan	1	4	1	3	1	3	0	0	0	0	0	14	Taiwan
	Hong Kong	1	0	2	0	1	13	0	0	0	1	0	19	Hong Kong
	Singapore	1	1	1	1	0	4	1	0	0	0	0	9	Singapore
	EXTRA-EC	306	165	36	485	126	221	83	44	0	3	60	1530	EXTRA-EC
BALANCE														
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	8	-2	12	-20	8	2	0	-10	-5	-7	-14	France
	BLEU	-3	0	4	27	-8	-2	1	1	-2	-2	-2	14	BLEU
	Netherlands	5	-7	0	44	-25	-16	3	-2	-1	-3	-11	-12	Netherlands
	West-Germany	-5	-7	-47	0	-63	-3	20	-11	0	-36	-22	-174	West-Germany
	Italy	18	3	15	71	0	4	4	-2	-1	-1	-21	89	Italy
	United Kingdom	-8	0	-7	9	-9	0	-6	-4	0	-7	-3	-35	United Kingdom
	Ireland	-4	-2	-4	-13	-2	-18	0	-1	0	-2	0	-46	Ireland
	Denmark	0	-1	-1	7	2	9	2	0	0	0	0	17	Denmark
	Greece	4	1	2	23	3	1	0	0	0	0	2	36	Greece
	Portugal	5	3	3	52	2	7	3	1	0	0	2	78	Portugal
	Spain	5	8	2	-2	15	2	0	1	0	-1	0	29	Spain
	INTRA-EC	18	6	-35	232	-105	-8	29	-18	-15	-58	-63	-18	INTRA-EC
	EFTA	-3	5	-107	96	-40	-55	30	-3	0	-5	-12	-96	EFTA
	USA	-10	-8	-65	-21	-30	-66	6	0	-1	-3	-2	-199	USA
	Japan	-56	-42	-92	-245	-65	-260	-3	-22	-4	-7	-66	-864	Japan
	South Korea	1	18	-2	-1	-9	-21	0	-2	0	0	-3	-19	South Korea
	Taiwan	-5	3	-8	-15	-8	-37	0	-1	-2	0	-3	-76	Taiwan
	Hong Kong	-3	-1	-4	-4	-6	-43	0	0	-1	1	-1	-60	Hong Kong
	Singapore	0	1	1	1	0	2	1	0	0	0	0	3	Singapore
	EXTRA-EC	186	88	-267	83	-78	-404	34	-15	-22	-13	-40	-447	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

Telecommunications equipment trade 1987 by reporter and partner in millions of ECU

1987

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	39	19	132	108	62	8	5	2	6	27	408	France
	BLEU	25	0	106	126	21	31	1	6	0	2	5	323	BLEU
	Netherlands	53	53	0	98	40	98	3	15	1	4	12	377	Netherlands
	West-Germany	169	128	179	0	165	154	12	98	26	39	52	1021	West-Germany
	Italy	53	9	19	64	0	40	3	10	4	8	34	243	Italy
	United Kingdom	70	27	58	110	52	0	54	16	1	4	16	409	United Kingdom
	Ireland	8	2	5	35	5	47	0	4	0	1	1	108	Ireland
	Denmark	10	3	10	17	7	14	2	0	0	3	5	70	Denmark
	Greece	0	0	0	10	2	1	0	0	0	0	0	12	Greece
	Portugal	4	0	11	28	0	5	0	0	0	0	2	51	Portugal
	Spain	8	2	2	36	6	7	0	2	0	2	0	66	Spain
	INTRA-EC	398	263	409	657	407	457	83	156	35	69	154	3088	INTRA-EC
	EFTA	54	18	131	236	72	229	17	96	1	5	48	906	EFTA
	USA	93	26	89	188	104	334	32	12	3	3	27	910	USA
	Japan	65	51	86	282	126	253	5	35	6	10	65	984	Japan
	South Korea	6	4	10	15	15	20	0	1	0	0	4	74	South Korea
	Taiwan	17	3	32	32	21	45	1	3	2	1	10	167	Taiwan
	Hong Kong	5	1	6	16	11	26	1	1	2	0	4	74	Hong Kong
	Singapore	5	1	1	17	3	12	0	1	0	0	1	42	Singapore
	EXTRA-EC	265	111	367	833	374	1190	84	151	28	21	163	3586	EXTRA-EC
EXPORTS from :														
	France	0	35	69	195	48	63	34	7	0	4	23	478	France
	BLEU	40	0	50	140	14	24	6	6	0	0	16	296	BLEU
	Netherlands	24	105	0	188	19	51	5	7	0	0	2	400	Netherlands
	West-Germany	109	103	103	0	52	91	21	16	9	25	49	577	West-Germany
	Italy	79	25	46	188	0	37	6	7	2	0	5	396	Italy
	United Kingdom	58	30	90	168	36	0	38	22	0	2	10	456	United Kingdom
	Ireland	6	1	3	13	3	43	0	2	0	0	0	70	Ireland
	Denmark	4	5	12	80	7	16	4	0	0	0	2	132	Denmark
	Greece	5	1	1	25	6	2	0	0	0	0	0	42	Greece
	Portugal	9	3	11	46	9	7	2	3	0	0	4	93	Portugal
	Spain	22	6	13	61	26	14	1	6	0	2	0	151	Spain
	INTRA-EC	358	313	398	1104	221	347	117	76	12	34	112	3092	INTRA-EC
	EFTA	57	39	47	627	57	87	60	112	0	1	16	1105	EFTA
	USA	94	5	25	138	31	71	27	8	0	3	14	417	USA
	Japan	7	1	1	19	1	10	0	1	0	0	0	40	Japan
	South Korea	2	4	1	5	0	3	0	0	0	0	1	18	South Korea
	Taiwan	3	4	7	22	1	5	1	1	0	0	0	43	Taiwan
	Hong Kong	4	1	5	11	5	29	2	1	0	1	1	59	Hong Kong
	Singapore	9	1	10	31	1	16	1	1	0	0	1	72	Singapore
	EXTRA-EC	765	306	211	1928	332	681	112	172	2	8	98	4615	EXTRA-EC
BALANCE of :														
	France	0	-4	49	64	-60	2	26	2	-2	-3	-4	69	France
	BLEU	16	0	-56	13	-7	-6	5	0	0	-2	11	-27	BLEU
	Netherlands	-30	53	0	90	-22	-47	2	-7	-1	-4	-10	23	Netherlands
	West-Germany	-59	-25	-76	0	-113	-63	9	-82	-16	-14	-3	-444	West-Germany
	Italy	27	16	27	124	0	-3	4	-3	-2	-7	-29	154	Italy
	United Kingdom	-11	3	32	58	-16	0	-16	6	-1	-2	-6	47	United Kingdom
	Ireland	-2	-1	-3	-23	-2	-4	0	-2	0	-1	0	-38	Ireland
	Denmark	-5	2	3	63	1	2	2	0	0	-2	-2	62	Denmark
	Greece	5	1	1	16	4	2	0	0	0	0	0	29	Greece
	Portugal	6	2	-1	18	9	2	2	3	0	0	2	42	Portugal
	Spain	14	4	12	25	20	7	1	4	0	0	0	86	Spain
	INTRA-EC	-40	50	-11	448	-187	-110	34	-80	-24	-35	-42	4	INTRA-EC
	EFTA	4	22	-85	391	-15	-143	43	16	-1	-4	-31	199	EFTA
	USA	0	-21	-64	-50	-72	-262	-5	-4	-3	0	-13	-494	USA
	Japan	-58	-50	-84	-263	-125	-244	-5	-35	-6	-10	-65	-944	Japan
	South Korea	-4	0	-9	-9	-15	-17	0	0	0	0	-3	-56	South Korea
	Taiwan	-14	1	-25	-10	-20	-40	-1	-2	-2	-1	-10	-124	Taiwan
	Hong Kong	-1	0	-1	-6	-6	3	0	0	-2	1	-3	-15	Hong Kong
	Singapore	4	1	9	14	-3	3	1	0	0	0	0	30	Singapore
	EXTRA-EC	500	195	-156	1095	-42	-509	28	21	-26	-13	-65	1029	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

Telecommunications equipment trade 1986 by reporter and partner in millions of ECU

1986

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	46	19	131	92	78	10	4	9	6	20	414	France
	BLEU	18	0	120	114	21	33	1	5	0	1	2	315	BLEU
	Netherlands	54	65	0	100	34	76	2	12	2	3	6	353	Netherlands
	West-Germany	153	130	200	0	136	140	14	89	34	24	38	959	West-Germany
	Italy	43	8	18	55	0	28	2	8	3	6	23	195	Italy
	United Kingdom	57	24	39	105	45	0	48	15	2	3	11	349	United Kingdom
	Ireland	7	1	7	32	6	42	0	4	0	0	1	100	Ireland
	Denmark	7	4	18	15	5	10	2	0	0	2	4	66	Denmark
	Greece	0	0	0	15	1	8	0	0	0	0	0	24	Greece
	Portugal	7	0	10	22	1	2	0	0	0	0	2	43	Portugal
	Spain	8	2	3	32	4	10	0	3	0	2	0	64	Spain
	INTRA-EC	356	279	435	621	344	425	80	140	51	47	106	2883	INTRA-EC
	EFTA	51	18	99	192	63	130	20	96	2	3	27	700	EFTA
	USA	104	29	115	196	121	354	28	12	2	5	22	988	USA
	Japan	49	44	46	218	88	183	6	32	3	9	46	724	Japan
	South Korea	5	2	7	13	11	10	0	0	0	0	2	50	South Korea
	Taiwan	10	3	27	29	12	36	1	1	1	0	6	128	Taiwan
	Hong Kong	3	3	6	10	8	14	1	1	2	0	4	52	Hong Kong
	Singapore	3	1	2	15	3	10	0	0	0	0	1	33	Singapore
	EXTRA-EC	245	103	315	712	327	971	82	145	22	19	111	3052	EXTRA-EC
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	29	64	165	44	51	32	7	0	6	21	420	France
	BLEU	41	0	65	145	15	19	1	5	0	0	11	303	BLEU
	Netherlands	24	122	0	195	27	37	5	16	0	0	2	427	Netherlands
	West-Germany	99	100	93	0	54	82	22	14	14	20	47	545	West-Germany
	Italy	90	23	29	151	0	34	7	6	1	0	7	347	Italy
	United Kingdom	55	27	65	162	36	0	35	13	2	2	12	409	United Kingdom
	Ireland	8	1	2	14	2	36	0	2	0	0	0	64	Ireland
	Denmark	4	4	9	67	6	14	3	0	0	0	3	111	Denmark
	Greece	5	0	1	29	5	2	1	1	0	0	1	45	Greece
	Portugal	8	3	9	21	8	4	1	3	0	0	3	59	Portugal
	Spain	19	4	12	53	23	7	1	5	0	1	0	125	Spain
	INTRA-EC	353	314	349	1002	220	286	107	71	17	29	106	2854	INTRA-EC
	EFTA	58	46	54	499	58	74	55	97	0	1	14	956	EFTA
	USA	66	4	31	108	19	77	25	8	0	2	28	368	USA
	Japan	5	2	2	20	1	7	0	1	0	0	1	39	Japan
	South Korea	3	7	1	7	0	6	0	0	0	0	1	25	South Korea
	Taiwan	3	29	4	26	0	2	0	0	0	0	0	65	Taiwan
	Hong Kong	3	1	2	9	1	18	1	1	0	0	1	38	Hong Kong
	Singapore	8	1	10	34	1	14	0	1	0	0	2	70	Singapore
	EXTRA-EC	752	296	243	1603	339	694	104	151	4	6	92	4285	EXTRA-EC
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	-17	45	35	-48	-27	22	2	-9	0	2	5	France
	BLEU	23	0	-55	31	-5	-14	0	0	0	-1	9	-12	BLEU
	Netherlands	-30	57	0	96	-8	-39	3	4	-2	-3	-4	74	Netherlands
	West-Germany	-55	-30	-108	0	-82	-58	9	-75	-20	-5	9	-414	West-Germany
	Italy	46	16	11	95	0	6	5	-2	-3	-6	-17	152	Italy
	United Kingdom	-2	3	26	57	-9	0	-14	-2	0	-1	1	60	United Kingdom
	Ireland	1	0	-6	-18	-4	-7	0	-2	0	0	-1	-36	Ireland
	Denmark	-3	1	-9	53	1	5	1	0	0	-2	-1	45	Denmark
	Greece	5	0	1	14	4	-5	0	1	0	0	1	21	Greece
	Portugal	2	3	-1	-1	7	3	1	2	0	0	1	16	Portugal
	Spain	11	2	9	21	19	-3	0	3	0	-1	0	61	Spain
	INTRA-EC	-3	35	-86	382	-124	-140	27	-69	-34	-18	0	-29	INTRA-EC
	EFTA	7	29	-45	306	-4	-56	35	1	-1	-2	-13	257	EFTA
	USA	-37	-25	-84	-88	-102	-277	-3	-4	-2	-3	6	-620	USA
	Japan	-43	-42	-44	-198	-87	-176	-5	-30	-3	-9	-45	-685	Japan
	South Korea	-3	5	-7	-6	-10	-4	0	0	0	0	-1	-26	South Korea
	Taiwan	-7	26	-23	-3	-12	-34	-1	-1	-1	0	-6	-63	Taiwan
	Hong Kong	0	-2	-4	-1	-7	4	0	0	-2	0	-3	-15	Hong Kong
	Singapore	5	1	8	19	-2	5	0	1	0	0	1	37	Singapore
	EXTRA-EC	507	194	-71	891	12	-278	22	6	-18	-13	-19	1233	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

Telecommunications equipment trade 1985 by reporter and partner in millions of ECU

1985

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	58	18	129	92	80	13	5	2	7	20	423	France
	BLEU	19	0	89	82	16	25	1	3	0	1	2	238	BLEU
	Netherlands	49	69	0	90	38	56	11	15	1	1	6	336	Netherlands
	West-Germany	129	114	175	0	125	129	11	69	16	20	34	820	West-Germany
	Italy	42	10	20	58	0	28	2	5	4	2	22	191	Italy
	United Kingdom	65	21	45	114	46	0	40	15	2	3	9	359	United Kingdom
	Ireland	7	1	16	24	7	42	0	5	0	0	1	104	Ireland
	Denmark	7	3	18	16	4	10	3	0	0	1	2	63	Denmark
	Greece	0	0	0	17	1	4	0	0	0	0	0	22	Greece
	Portugal	7	1	12	22	1	2	0	0	0	0	1	47	Portugal
	Spain	7	2	3	30	4	7	0	1	0	4	0	58	Spain
	INTRA-EC	333	279	396	581	333	382	81	117	25	38	95	2662	INTRA-EC
	EFTA	47	15	84	205	83	152	26	93	4	4	23	736	EFTA
	USA	147	30	128	250	125	475	36	12	2	3	33	1242	USA
	Japan	41	39	28	172	73	158	6	16	7	9	28	575	Japan
	South Korea	4	2	9	14	12	6	0	0	0	0	2	49	South Korea
	Taiwan	8	2	35	21	10	15	1	2	0	3	98	Taiwan	
	Hong Kong	7	1	7	9	11	23	1	0	2	0	2	61	Hong Kong
	Singapore	3	2	1	16	2	7	0	0	0	0	0	32	Singapore
	EXTRA-EC	272	97	290	718	342	1107	108	126	27	18	94	3200	EXTRA-EC
EXPORTS from :														
	France	0	26	48	139	40	70	29	7	0	7	22	387	France
	BLEU	45	0	64	124	13	19	1	4	0	0	8	279	BLEU
	Netherlands	20	99	0	189	20	43	13	16	0	0	2	402	Netherlands
	West-Germany	97	77	79	0	53	90	15	13	17	20	38	499	West-Germany
	Italy	82	17	30	146	0	33	7	4	1	0	7	327	Italy
	United Kingdom	59	21	46	125	34	0	33	14	1	2	11	345	United Kingdom
	Ireland	10	1	4	11	2	34	0	2	0	0	0	65	Ireland
	Denmark	5	3	13	50	4	16	6	0	0	1	1	99	Denmark
	Greece	4	0	1	31	5	2	0	1	0	0	0	44	Greece
	Portugal	8	4	9	20	3	5	0	1	0	0	3	54	Portugal
	Spain	21	3	12	36	23	8	0	3	0	1	0	106	Spain
	INTRA-EC	352	251	306	873	197	319	103	65	19	30	91	2606	INTRA-EC
	EFTA	76	46	55	471	59	91	63	89	0	1	29	980	EFTA
	USA	98	8	35	127	20	94	23	9	0	2	29	444	USA
	Japan	3	1	7	17	2	8	1	1	0	0	0	39	Japan
	South Korea	4	14	1	15	0	2	1	0	0	0	0	38	South Korea
	Taiwan	3	17	3	22	0	2	0	0	0	0	0	49	Taiwan
	Hong Kong	3	0	2	12	1	24	1	1	0	0	1	46	Hong Kong
	Singapore	6	1	16	19	1	22	1	1	0	0	2	67	Singapore
	EXTRA-EC	1008	214	270	1599	379	918	115	134	14	14	104	4770	EXTRA-EC
BALANCE of :														
	France	0	-33	30	10	-52	-10	16	2	-2	0	2	-36	France
	BLEU	26	0	-25	43	-3	-6	0	1	0	-1	5	40	BLEU
	Netherlands	-28	30	0	99	-18	-13	1	1	-1	-1	-4	66	Netherlands
	West-Germany	-32	-37	-96	0	-72	-39	4	-55	2	0	4	-321	West-Germany
	Italy	40	7	9	89	0	5	5	-1	-3	-2	-15	135	Italy
	United Kingdom	-6	0	1	11	-12	0	-8	-1	-1	-1	2	-14	United Kingdom
	Ireland	3	0	-13	-13	-5	-8	0	-3	0	0	0	-39	Ireland
	Denmark	-2	0	-5	35	1	6	3	0	0	-1	-1	36	Denmark
	Greece	4	0	1	15	4	-2	0	1	0	0	0	22	Greece
	Portugal	1	3	-3	-2	2	3	0	1	0	0	2	7	Portugal
	Spain	14	2	9	5	19	1	0	2	0	-3	0	49	Spain
	INTRA-EC	19	-28	-90	291	-136	-63	22	-53	-6	-8	-4	-56	INTRA-EC
	EFTA	29	31	-29	266	-24	-62	36	-4	-4	-2	6	244	EFTA
	USA	-49	-22	-93	-123	-105	-381	-14	-3	-2	-2	-4	-798	USA
	Japan	-38	-39	-21	-155	-71	-149	-5	-15	-7	-9	-28	-536	Japan
	South Korea	1	12	-8	1	-11	-4	1	0	0	0	-2	-11	South Korea
	Taiwan	-5	15	-32	1	-9	-13	-1	-1	-2	0	-3	-49	Taiwan
	Hong Kong	-4	-1	-4	3	-10	1	1	1	-2	0	-1	-15	Hong Kong
	Singapore	3	-1	15	3	-1	15	0	1	0	0	1	35	Singapore
	EXTRA-EC	736	117	-20	881	37	-189	7	8	-13	-4	10	1570	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

DGXIII-E-3
PV 06JUN89

Telecommunications equipment trade 1984 by reporter and partner in millions of ECU

1984

IMPORTS	to :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	IMPORTS
from :														
	France	0	59	20	105	86	65	13	4	5	5	15	376	France
	BLEU	17	0	94	74	17	19	1	5	1	1	3	231	BLEU
	Netherlands	52	56	0	64	36	48	4	12	1	1	7	280	Netherlands
	West-Germany	114	84	142	0	114	107	8	61	24	22	29	706	West-Germany
	Italy	40	6	21	55	0	25	4	4	5	2	20	183	Italy
	United Kingdom	63	15	50	89	36	0	38	13	1	4	10	318	United Kingdom
	Ireland	8	2	10	27	12	68	0	3	0	0	0	130	Ireland
	Denmark	6	2	9	11	3	7	3	0	0	1	1	44	Denmark
	Greece	0	0	0	13	1	1	0	0	0	0	0	15	Greece
	Portugal	4	2	4	20	2	2	0	1	0	0	1	34	Portugal
	Spain	7	0	2	23	6	10	0	0	0	4	0	53	Spain
	INTRA-EC	311	226	352	482	311	351	71	103	37	40	86	2370	INTRA-EC
	EFTA	39	15	67	180	65	99	22	79	3	2	17	589	EFTA
	USA	118	30	60	220	107	385	43	11	3	3	22	1003	USA
	Japan	37	27	19	142	58	127	4	14	4	9	18	459	Japan
	South Korea	3	2	9	11	10	2	0	0	0	0	1	40	South Korea
	Taiwan	9	2	26	16	10	13	2	1	1	1	3	85	Taiwan
	Hong Kong	8	1	5	9	9	15	1	1	2	0	1	50	Hong Kong
	Singapore	3	1	2	15	3	7	0	0	0	0	0	32	Singapore
	EXTRA-EC	233	83	195	620	296	899	112	109	28	17	66	2659	EXTRA-EC
EXPORTS														
EXPORTS	from :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	EXPORTS
to :														
	France	0	25	44	127	31	55	25	5	0	4	18	335	France
	BLEU	35	0	46	101	10	14	1	3	0	0	9	218	BLEU
	Netherlands	21	102	0	156	20	31	16	7	0	0	1	356	Netherlands
	West-Germany	80	71	59	0	51	60	23	10	13	19	28	415	West-Germany
	Italy	53	18	29	130	0	28	11	3	1	1	7	279	Italy
	United Kingdom	48	20	36	124	29	0	40	12	0	2	12	322	United Kingdom
	Ireland	14	1	4	13	3	48	0	3	0	0	1	86	Ireland
	Denmark	4	6	12	48	3	9	3	0	0	1	1	88	Denmark
	Greece	8	0	1	26	5	2	0	1	0	0	0	42	Greece
	Portugal	7	4	1	18	2	5	0	1	0	0	3	41	Portugal
	Spain	15	4	7	47	18	7	1	2	0	0	0	101	Spain
	INTRA-EC	285	252	239	790	172	259	119	46	15	27	79	2283	INTRA-EC
	EFTA	57	36	57	392	40	72	40	64	0	1	16	777	EFTA
	USA	69	6	20	133	21	63	26	7	0	2	16	361	USA
	Japan	4	0	1	15	2	5	0	1	0	0	0	29	Japan
	South Korea	2	12	1	17	0	3	0	0	0	0	0	36	South Korea
	Taiwan	3	18	4	13	0	2	0	0	0	0	0	40	Taiwan
	Hong Kong	1	1	3	12	1	28	1	1	0	0	1	48	Hong Kong
	Singapore	18	1	14	13	1	23	1	1	0	0	2	74	Singapore
	EXTRA-EC	922	183	339	1463	370	828	90	108	10	8	83	4404	EXTRA-EC
BALANCE														
BALANCE	of :	F	BLEU	NL	D	I	UK	IRL	DK	GR	PO	E	EC	BALANCE
with :														
	France	0	-34	24	22	-55	-9	12	1	-5	0	3	-41	France
	BLEU	18	0	-48	27	-7	-5	0	-2	-1	-1	6	-12	BLEU
	Netherlands	-30	46	0	92	-16	-16	12	-4	-1	-1	-6	76	Netherlands
	West-Germany	-34	-13	-84	0	-63	-47	15	-51	-10	-4	-1	-291	West-Germany
	Italy	13	12	8	75	0	2	7	-1	-4	-2	-14	97	Italy
	United Kingdom	-15	6	-14	35	-7	0	2	-1	-1	-2	2	4	United Kingdom
	Ireland	6	-1	-5	-14	-9	-20	0	-1	0	0	0	-44	Ireland
	Denmark	-1	3	3	38	0	2	0	0	0	0	0	44	Denmark
	Greece	7	0	1	12	4	1	0	1	0	0	0	26	Greece
	Portugal	3	2	-2	-2	1	3	0	0	0	0	2	7	Portugal
	Spain	8	3	5	24	12	-3	0	2	0	-3	0	49	Spain
	INTRA-EC	-26	26	-113	308	-139	-92	48	-56	-22	-13	-7	-86	INTRA-EC
	EFTA	18	21	-10	213	-25	-27	19	-15	-3	-1	-1	188	EFTA
	USA	-49	-24	-41	-87	-87	-323	-17	-4	-3	-2	-6	-642	USA
	Japan	-33	-27	-18	-127	-57	-121	-3	-13	-4	-9	-17	-431	Japan
	South Korea	-1	10	-8	7	-10	1	0	0	0	0	-1	-4	South Korea
	Taiwan	-6	17	-22	-4	-10	-11	-2	-1	-1	-1	-3	-45	Taiwan
	Hong Kong	-6	0	-2	4	-9	13	0	0	-2	0	0	-2	Hong Kong
	Singapore	15	0	12	-2	-2	17	1	1	0	0	1	42	Singapore
	EXTRA-EC	689	100	144	842	73	-71	-22	-1	-18	-9	17	1745	EXTRA-EC

Source : Eurostat COMEXT

Zero entry where value is less than 0.5 million ECU

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ANNEX A

EC Telecommunications Equipment Trade

Definition and Use of 1988 Trade Aggregate.

Introduction

From 1st January 1988, trade statistics in the European Community have been collected on the basis of the Combined Nomenclature. The 8-digit Combined Nomenclature system used by the EC is based on the Custom Co-operation Council's 6-digit Harmonised Commodity Description and Coding System which has been ratified by the major trading nations. Prior to 1988 statistics on EC trade flows were collected using the Nimexe nomenclature. Because the mapping between the two nomenclatures is neither one to one or onto, it has been necessary to define a new aggregate, (i.e. group of nomenclature codes) in order to identify trade flows in telecommunications equipment between the EC and its major trading partners.

Definition of a new trade aggregate

In principle there are two ways in which a new aggregate may be defined. The first involves translating the existing Nimexe-based aggregate into CN codes and discarding any codes which are explicitly for non-telecom usage. The disadvantage of this approach is that the aggregate risks being overly wide because codes are included for which telecommunications is not the predominant use. A further disadvantage is that codes covering new types of equipment are not necessarily picked up. A second approach involves defining a new aggregate based on 'first principles'. The advantage of such an approach is that new categories of equipment may be included. The disadvantage is that such an aggregate tends to be more conservative as only codes where telecommunications is the predominant use are included.

Both the approaches mentioned above have been used to define a new trade aggregate for telecommunications equipment based on the Combined Nomenclature and full details may be found in Hirst (1989). Ideally, the aggregate based on first principles is to be preferred for a number of reasons. First of all, it is more soundly based than the translation aggregate. The previous aggregate was certainly too wide and the new aggregate discards a number of codes, (e.g. some components and some terminal and radio-related equipment) whose use is not primarily in telecommunications, (second part of Table 2).

Secondly, the translation aggregate produces resultant trade flows for 1988 which are inconsistent with flows for previous years and which are at odds with figures from other sources.

Inevitably, however, there is a 'grey' area when defining telecommunications equipment and the first principles aggregate chooses to exclude entry phone systems and walkie-talkie equipment used in taxis. The result is that the first principles aggregate produces resultant trade flows which are not completely consistent with the trade figures of previous years. This paper, therefore, examines the two aggregates developed in the Hirst report and tries to reconcile the preferred aggregate, (the first principles one) with earlier trade figures.

Choice and effect of the new trade aggregate

The trade aggregate used until the end of 1987 comprised 49 Nimexe codes. A purely mechanical translation of this aggregate produces 69 CN codes whereas the first principles aggregate developed by Hirst comprises 29 CN codes. Four of these 29 codes are entirely new and do not appear in the mechanical translation. The translation aggregate, therefore, includes 44 CN codes omitted from the narrower first principles aggregate.

A comparison of the Nimexe and CN codes indicates that in changing from the previously used aggregate to the new first principles one, 25 CN codes have been dropped which seem to warrant inclusion in the new aggregate on a pure translation basis. However, when these codes are examined it appears that 17 comprise components which have been excluded from the first principles aggregate because it has not been possible to identify any of the codes as having their main use in telecommunications. The remaining 8 CN codes have been excluded because they relate to equipment which is not strictly telecommunications, e.g. entry phones, transmission and reception apparatus used in civil aircraft, walkie-talkies used in taxis. Previously, these items were included in the aggregate because the Nimexe codes were not sufficiently disaggregated for them to be excluded.

To summarise, it should be stated that the previously used aggregate was too wide and that the new first principles aggregate is overly conservative. In order to see the effect on measured trade flows that this transition has, the magnitude of both the newly excluded components and other categories is examined.

Table 1 indicates that the trade balance of the EC in telecommunications equipment has declined from just over 1,7 bn ecu in 1984 to 0,1 bn ecu in 1988, using the first principles aggregate for the last year, (column 9 of table 1). A number of remarks can be made about this table. Firstly, the overall surplus of the Community appears to have declined steadily since about 1982 although the effect is more marked in 1988. The deficit position with Japan has deteriorated steadily since 1982-83 and more markedly since 1986. In contrast the deficit with the USA has declined gradually in ecu terms since 1985. With respect to the rest of the world, (excluding the USA and Japan), the Community's trade balance fell slightly from about 2,9 bn ecu to 2,5 bn ecu over the period 1984-1987 and has subsequently dropped sharply to 1,7 bn ecu in 1988.

The flows given by the new aggregate, therefore, seem to be broadly in line with trend, except for exports to the rest of the world. These appear to be lower than expected by between 0.7 and 0.8 bn ecu.

Adding in the categories of components and some other categories which were previously included in the aggregate increases substantially exports to the rest of the world, (by about 1,1 bn ecu - column 10 of the table). However, this modification does not substantially improve the trade balance with the rest of the world because imports rise by nearly 1,0 bn ecu. Furthermore, the trade imbalance with the USA and Japan widens, in the case of Japan to 1,7 bn ecu. The result of this is that the overall extra-EC balance moves significantly into the red at - 0,5 bn ecu. The extension, therefore, of the first principles aggregate to include categories that seem to warrant inclusion on a translation basis only serves to exacerbate the narrowing of the trade balance. It is clear, therefore, that the trading performance of the Community decreased significantly in 1988, especially with regards to third markets. This is particularly so for W. Germany whose exports and trade balance declined substantially in telecommunications equipment during 1988.

It is nevertheless true that the previously optimistic picture of the EC trade balance was exaggerated. Because of the difficulty of translating on a one to one basis between Nimexe and CN codes, it is not possible to estimate the extent of the exaggeration. However, one category previously included and subsequently dropped, (Nimexe code 851509, CN code 85252090, "Transmission apparatus for radio-telephony, radio-telegraphy, radio-broadcasting or television incorporating reception apparatus other than for use in civil aircraft") accounted for over 0,4bn ecu of the 1,0 bn ecu trade balance in 1987.

Given that on trend for the period 1986-1988, the Community trade balance in 1988 is estimated as being between 0,6 and 0,7 bn ecu lower than expected, (i.e. 0,1 bn ecu rather than 0,75 bn ecu) it seems reasonable to posit that about two-thirds of the decline in the EC balance is due to the more conservative aggregate and the other third due to the poorer trade performance.

What is important in terms of present trade policy is that 1. the trade imbalance with the USA is still substantial despite its trend decline in ecu terms, and 2. the trade imbalance with Japan continues to increase steadily - from 0,7 bn ecu in 1986 to 0,9 bn ecu in 1987 and to 1,2 bn ecu in 1988. It also seems that import penetration from some third countries has increased in certain sub-markets and that the Community has lost some of its competitive advantage, but without examining bilateral flows between say the Community, EFTA countries, Japan and the newly industrialised Far Eastern countries it is not easy to be more specific about this.

Conclusion

The first principles aggregate is clearly superior than any translation aggregate in terms of reflecting telecommunications trade. Unless there is any specific desire to include categories of equipment in the 'grey' area, (e.g. entry phone systems or items included in CN code 85252090, see above) then the aggregate should be retained in its present form.

The decline in the trade balance from 1987 may be explained by a secular trend, (0,25 bn ecu), the exclusion of certain non-telecommunications items from the previous aggregate, (0,45 bn ecu) and a poorer trade performance, (0,2 bn ecu). In other words fifty per cent of the decline in the trade balance between 1987 and 1988 is due to the more conservative definition.

Table 1

EC Trade Balance in Telecommunications Equipment, 1981-1988 (MECU)

	EUR-10 1)					EUR-12					
	1981	1982	1983	1984	1985	1984	1985	1986	1987	1988 2)	1988 3)
with US											
Exports	137	195	256	344	413	361	444	368	417	412	563
Imports	526	612	705	977	1205	1003	1242	988	910	819	1107
Balance	-390	-417	-449	-634	-792	-642	-798	-620	-494	-408	-544
with Japan											
Exports	17	16	21	28	39	29	39	39	40	51	65
Imports	236	262	301	432	538	459	575	724	984	1220	1765
Balance	-219	-246	-280	-404	-499	-431	-536	-685	-944	-1169	-1700
with rest											
Exports	3117	3465	3677	4080	4357	4014	4287	3878	4158	3319	4408
Imports	750	853	1000	1250	1445	1197	1383	1340	1692	1647	2620
Balance	2368	2612	2678	2831	2912	2818	2904	2538	2467	1672	1788
with Extra-EC											
Exports	3271	3676	3954	4452	4809	4404	4770	4285	4615	3782	5036
Imports	1512	1727	2006	2659	3188	2659	3200	3052	3586	3686	5492
Balance	1759	1949	1949	1793	1621	1745	1570	1233	1029	95	-456

1) EUR-10 : EUR-12 without Portugal and Spain

2) First Principles Aggregate used throughout this report

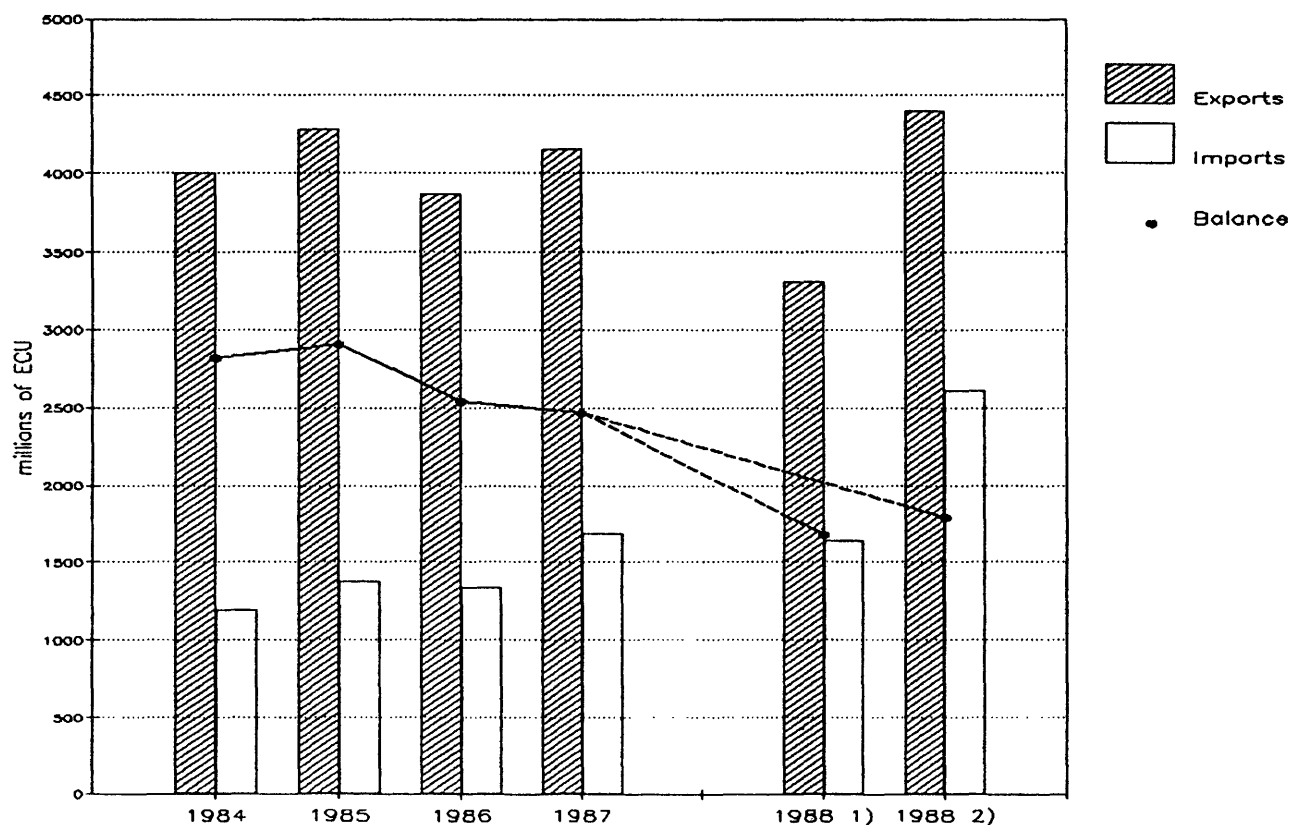
3) This column represents a wider aggregate based on a translation of the 1987 aggregate

Source : Eurostat COMEXT

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Telecommunications equipment trade with rest



1) First Principles Aggregate used throughout this report

2) This column represents a wider aggregate based on a translation of the 1987 aggregate

TABLE 2a
Description of Codes in the 1988 Trade Aggregate

Switching

85173000 Telephone switching apparatus
 85365000 Other switches

Transmission

85184030 Telephonic and measurement amplifiers
 85369011 Apparatus for coaxial cables
 85369019 Other
 85442010 Coaxial cable and other coaxial electric
 conductors
 85442091 above for high frequency
 85442099 other
 85444100 Fitted with connectors
 85444910 Insulated with plastic material
 85444990 Insulated with other material
 new 85447000 Optical fibre cables
 90304090 Instruments other

Radio-related

85251090 Other transmitting apparatus
 85279091 Portable receivers for calling or paging
 new 85404100 Magnetrons
 new 85404200 Klystrons

Components

85364110 Relays max. 60V
 85364190 Relays max. 60V
 85364900 Other relays

Terminals

85171000 Telephone sets
 85172000 Teleprinters
 85174000 Other apparatus
 85178200 Telegraphic, incl. Fax machines
 85179010 Parts
 85179091 of telephonic apparatus
 85179099 of telegraphic apparatus
 new 85202000 Answering machines
 85279099 Other, incl. mobile telephones

TABLE 2b
Description of Codes excluded from the 1988 Trade Aggregate

Extra Components

85322100	Capacitors
85322200	Capacitors
85322300	Capacitors
85322410	Capacitors
85322490	Capacitors
85322500	Capacitors
85322900	Capacitors
85323010	Capacitors
85323090	Capacitors
85331000	Resistors
85332100	Resistors
85332900	Resistors
85333100	Resistors
85333900	Resistors
85334010	Resistors
85334090	Resistors
85339000	Resistors

Other

85178110	Telephonic entry phone systems
85178190	Other
85183010	Headphones, earphones and combined mic/speaker sets
85183090	Headphones, earphones and combined mic/speaker sets
85189000	Parts of microphones, speakers, headphones etc.
85252090	Other transmission apparatus incl. reception apparatus

ANNEX B

7

1

CN code	Taric subhead	Description
1	2	3
8516 80		— Electric heating resistors :
8516 80 10	* 00	— — Assembled only with a simple insulated former and electrical connections, used for anti-icing or de-icing, for use in civil aircraft (22)
8516 80 90	* 00	— — Other
8516 90 00		— Parts :
	* 10	— — For heating aircraft and wing surfaces, mounted on propeller aeroplanes, and for use in certain types of aircraft (4) (100)
	* 90	— — Other
8517		Electrical apparatus for line telephony or line telegraphy, including such apparatus for carrier-current line systems :
8517 10 00	* 00	— Telephone sets
8517 20 00	* 00	— Teleprinters
8517 30 00	* 00	— Telephonic or telegraphic switching apparatus
8517 40 00	* 00	— Other apparatus, for carrier-current line systems
		— Other apparatus :
8517 81		— — Telephonic :
8517 81 10	* 00	— — — Entry-phone systems
8517 81 90	* 00	— — — Other
8517 82 00	* 00	— — Telegraphic
8517 90		— Parts :
8517 90 10	* 00	— — Of apparatus of subheading 8517 40 00
		— — Other :
8517 90 91		— — — Of telephonic apparatus :
	* 10	— — — — <i>Opto-electronic receiving device (PINFET receiver) with a wavelength range 1300-1600 nanometres, and a speed of not less than 678 megabits per second, in the form of a hybrid integrated circuit, contained in a housing the exterior dimensions of which do not exceed 25 mm x 13 mm x 13 mm, with not more than 16 connecting pins, with an attached optical fibre lead (pig-tail), and bearing an identification marking consisting of or including one of the following combinations of figures and letters :</i> 4167797030 QDF1-XXXX-001 or other identification markings relating to devices complying with the abovementioned description
	* 30	— — — — Assembly for telephonic apparatus consisting of a microphone, protecting circuit and four-way connecting socket, mounted on a printed circuit, with dimensions not exceeding 22 x 40 mm
	* 90	— — — — Other
8517 90 99	* 00	— — — Of telegraphic apparatus

CN code	Taric subhead	Description
1	2	3
8518		Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets :
8518 10		— Microphones and stands therefor :
8518 10 10	* 00	— — For use in civil aircraft (22)
8518 10 90	* 00	— — Other
		— Loudspeakers, whether or not mounted in their enclosures :
8518 21		— — Single loudspeakers, mounted in their enclosures :
8518 21 10	* 00	— — — For use in civil aircraft (22)
8518 21 90	* 00	— — — Other
8518 22		— — Multiple loudspeakers, mounted in the same enclosure :
8518 22 10	* 00	— — — For use in civil aircraft (22)
8518 22 90	* 00	— — — Other
8518 29		— — Other :
8518 29 10	* 00	— — — For use in civil aircraft (22)
8518 29 90	* 00	— — — Other
8518 30		— Headphones, earphones and combined microphone/speaker sets :
8518 30 10	* 00	— — For use in civil aircraft (22)
8518 30 90	* 00	— — Other
8518 40		— Audio-frequency electric amplifiers :
8518 40 10	* 00	— — For use in civil aircraft (22)
		— — Other :
8518 40 30	* 00	— — — Telephonic and measurement amplifiers
		— — — Other :
8518 40 91	* 00	— — — — With only one channel
8518 40 99	* 00	— — — — Other
8518 50		— Electric sound amplifier sets :
8518 50 10	* 00	— — For use in civil aircraft (22)
8518 50 90	* 00	— — Other
8518 90 00		— Parts :
	* 10	— — For use in certain types of aircraft (4) (100)
	* 90	— — Other
8519		Turntables (record-decks), record-players, cassette-players and other sound reproducing apparatus, not incorporating a sound recording device :
8519 10 00	* 00	— Coin- or disc-operated record-players

CN code	Tarie subhead	Description
1	2	3
		– Other record-players :
8519 21 00	* 00	– – Without loudspeaker
8519 29 00	* 00	– – Other
		– Turntables (record-decks) :
8519 31 00	* 00	– – With automatic record changing mechanism
8519 39 00	* 00	– – Other
8519 40 00	* 00	– Transcribing machines
		– Other sound reproducing apparatus :
8519 91		– – Cassette-type :
8519 91 10	* 00	– – – With built-in amplifier, without built-in loudspeaker, capable of operating without an external source of power and the dimensions of which do not exceed 170 mm x 100 mm x 45 mm
		– – – Other :
8519 91 91	* 00	– – – – Of a kind used in motor vehicles
8519 91 99		– – – – Other :
		* 10 – – – – – <i>Music reproducers and automatic announcers, for use in certain types of aircraft</i> ⁽⁴⁾ ⁽¹⁰⁰⁾
		* 90 – – – – – <i>Other</i>
8519 99		– – Other :
8519 99 10	* 00	– – – With laser optical reading system
8519 99 90		– – – Other :
		* 10 – – – – – <i>Music reproducers and automatic announcers, for use in certain types of aircraft</i> ⁽⁴⁾ ⁽¹⁰⁰⁾
		* 90 – – – – – <i>Other</i>
8520		Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device :
8520 10 00	* 00	– Dictating machines not capable of operating without an external source of power
8520 20 00	* 00	– Telephone answering machines
		– Other magnetic tape recorders incorporating sound reproducing apparatus :
8520 31		– – Cassette-type :
		– – – With built-in amplifier and one or more built-in loudspeakers :
8520 31 11	* 00	– – – – Capable of operating without an external source of power
8520 31 19	* 00	– – – – Other
8520 31 30	* 00	– – – With built-in amplifier, without built-in loudspeaker, capable of operating without an external source of power and the dimensions of which do not exceed 170 mm x 100 mm x 45 mm
8520 31 90	* 00	– – – Other

CN code	Taric subhead	Description
1	2	3
8524 22 90	* 00	— — — Other
8524 23		— — Of a width exceeding 6,5 mm :
8524 23 10	* 00	— — — Bearing data or instructions (other than sound or vision recordings) of a kind used in automatic data processing machines
8524 23 90	* 00	— — — Other
8524 90		— Other :
8524 90 10	* 00	— — Compact discs
		— — Other :
8524 90 91	* 00	— — — Bearing data or instructions (other than sound or vision recordings) of a kind used in automatic data processing machines
8524 90 99	* 00	— — — Other
8525		Transmission apparatus for radio-telephony, radio-telegraphy, radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras :
8525 10		— Transmission apparatus :
8525 10 10	* 00	— — Radio-telegraphic or radio-telephonic apparatus, for use in civil aircraft (22)
8525 10 90	* 00	— — Other
8525 20		— Transmission apparatus incorporating reception apparatus :
8525 20 10	* 00	— — Radio-telegraphic or radio-telephonic apparatus, for use in civil aircraft (22)
8525 20 90	* 00	— — Other
8525 30		— Television cameras :
8525 30 10	* 00	— — With 3 or more camera tubes
		— — Other :
8525 30 91	* 00	— — — Incorporating in the same housing a video recording or reproducing apparatus
8525 30 99	* 00	— — — Other
8526		Radar apparatus, radio navigational aid apparatus and radio remote control apparatus :
8526 10		— Radar apparatus :
		— — For use in civil aircraft (22) :
8526 10 11	* 00	— — — Radio altimeters
8526 10 13	* 00	— — — Metereological radars
8526 10 19	* 00	— — — Other
8526 10 90	* 00	— — Other

CN code	Tare subhead	Description
1	2	3
		— Other :
8526 91		— Radio navigational aid apparatus :
		— — For use in civil aircraft (22) :
8526 91 11	* 00	— — — Radio navigational receivers
8526 91 19	* 00	— — — Other
8526 91 90	* 00	— — — Other
8526 92		— Radio remote control apparatus :
8526 92 10	* 00	— — For use in civil aircraft (22)
8526 92 90	* 00	— — — Other
8527		Reception apparatus for radio-telephony, radio-telegraphy or radio-broadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock :
		— Radio-broadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radio-telephony or radio-telegraphy :
8527 11		— — Combined with sound recording or reproducing apparatus :
8527 11 10	* 00	— — — With laser optical reading system
8527 11 90	* 00	— — — Other
8527 19 00	* 00	— — — Other
		— Radio-broadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, including apparatus capable of receiving also radio-telephony or radio-telegraphy :
8527 21		— — Combined with sound recording or reproducing apparatus :
8527 21 10	* 00	— — — With laser optical reading system
8527 21 90	* 00	— — — Other
8527 29 00	* 00	— — — Other
		— Other radio-broadcast receivers, including apparatus capable of receiving also radio-telephony or radio-telegraphy :
8527 31		— — Combined with sound recording or reproducing apparatus :
8527 31 10	* 00	— — — With in the same housing one or more loudspeakers
		— — — Other :
8527 31 91	* 00	— — — — With laser optical reading system
8527 31 99		— — — — Other :
	* 10	— — — — — Video projector consisting of three cathode-ray tubes each with a lens, for use in certain types of aircraft (4) (101)
	* 90	— — — — — Other

CN code	Taric subhead	Description
1	2	3
8527 32 00	* 00	-- Not combined with sound recording or reproducing apparatus but combined with a clock
8527 39		-- Other :
8527 39 10	* 00	-- -- With in the same housing one or more loudspeakers
		-- -- Other :
8527 39 91	* 00	-- -- -- Without built-in amplifier
8527 39 99	* 00	-- -- -- With built-in amplifier
8527 90		-- Other apparatus :
8527 90 10	* 00	-- -- For radio-telephony or radio-telegraphy, for use in civil aircraft (22)
		-- -- Other :
8527 90 91	* 00	-- -- -- Portable receivers for calling or paging
8527 90 99	* 00	-- -- -- Other
8528		Television receivers (including video monitors and video projectors), whether or not combined, in the same housing, with radio-broadcast receivers or sound or video recording or reproducing apparatus :
8528 10		-- Colour :
		-- -- Video recording or reproducing apparatus incorporating a video tuner :
		-- -- -- Using magnetic tape on reels or in cassettes :
8528 10 11	* 00	-- -- -- Of a width not exceeding 1,3 cm and allowing recording or reproduction at a tape speed not exceeding 50 mm per second
8528 10 19	* 00	-- -- -- Other
8528 10 30	* 00	-- -- -- Other
8528 10 40		-- -- Television projection equipment :
	* 10	-- -- -- <i>Video projector consisting of three cathode-ray tubes each with a lens, for use in certain types of aircraft (4) (100)</i>
	* 90	-- -- -- Other
8528 10 50	* 00	-- -- Apparatus incorporating a videophonic recorder or reproducer
8528 10 60	* 00	-- -- Video monitors
		-- -- Other :
		-- -- -- With integral tube, with a diagonal measurement of the screen :
8528 10 71	* 00	-- -- -- Not exceeding 42 cm
8528 10 73	* 00	-- -- -- Exceeding 42 cm but not exceeding 52 cm
8528 10 79	* 00	-- -- -- Exceeding 52 cm
		-- -- -- Other :
8528 10 91	* 00	-- -- -- Video tuners

CN code	Taric subhead	Description
1	2	3
8531 80		– Other apparatus :
8531 80 10	* 00	– – For use in civil aircraft (22)
8531 80 90	* 00	– – Other
8531 90 00		– Parts :
	* 10	– – <i>Of warning apparatus for protection against fire, for use in certain type of aircraft (4) (100)</i>
	* 90	– – <i>Other</i>
8532		Electrical capacitors, fixed, variable or adjustable (pre-set) :
8532 10 00		– Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar (power capacitors) :
	* 10	– – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – <i>Other</i>
		– Other fixed capacitors :
8532 21 00		– – Tantalum :
	* 10	– – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – <i>Other</i>
8532 22 00		– – Aluminium electrolytic :
	* 10	– – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – <i>Other</i>
8532 23 00		– – Ceramic dielectric, single layer :
	* 10	– – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – <i>Other</i>
8532 24		– – Ceramic dielectric, multilayer :
8532 24 10		– – – With connecting leads :
	* 10	– – – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – – <i>Other</i>
8532 24 90		– – – Other :
	* 10	– – – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – – <i>Other</i>
8532 25 00		– – Dielectric of paper or plastics :
	* 10	– – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – <i>Other</i>
8532 29 00		– – Other :
	* 10	– – – <i>For use in certain types of aircraft (4) (108)</i>
	* 90	– – – <i>Other</i>

CN code	Taric subhead	Description
1	2	3
8532 30		– Variable or adjustable (pre-set) capacitors :
8532 30 10		– – Variable capacitors :
	* 10	– – – For use in certain types of aircraft (*) (108)
	* 90	– – – Other
8532 30 90		– – Other :
	* 10	– – – For use in certain types of aircraft (*) (108)
		– – – Other :
	* 20	– – – – Adjustable capacitors in the form of circular plates with a diameter of not more than 2,5 mm, fitted with a screwhead in the centre and two connecting tags, of a thickness not exceeding 3 mm and a capacity of 5 or more picofarads but not exceeding 30 picofarads, for the manufacture of products falling within Chapter 91 (*)
	* 90	– – – – Other
8532 90 00		– Parts :
	* 10	– – For use in certain types of aircraft (*) (108)
	* 90	– – Other
8533		Electrical resistors (including rheostats and potentiometers), other than heating resistors :
8533 10 00		– Fixed carbon resistors, composition or film types :
	* 10	– – For use in certain types of aircraft (*) (108)
	* 90	– – Other
		– Other fixed resistors :
8533 21 00		– – For a power handling capacity not exceeding 20 W :
	* 10	– – – For use in certain types of aircraft (*) (108)
	* 90	– – – Other
8533 29 00	* 00	– – Other
		– Wirewound variable resistors, including rheostats and potentiometers :
8533 31 00		– – For a power handling capacity not exceeding 20 W :
	* 10	– – – For use in certain type of aircraft (*) (108)
	* 90	– – – Other
8533 39 00	* 00	– – Other
8533 40		– Other variable resistors, including rheostats and potentiometers :
8533 40 10		– – For a power handling capacity not exceeding 20 W :
	* 10	– – – For use in certain types of aircraft (*) (108)
	* 90	– – – Other
8533 40 90	* 00	– – Other
8533 90 00	* 00	– Parts

CN code	Taric subhead	Description
1	2	3
8535 30 90		— — Other :
	* 10	— — — For use in certain types of aircraft (*) (100)
	* 90	— — — Other
8535 40 00		— Lightning arresters, voltage limiters and surge suppressors :
	* 10	— — For use in certain types of aircraft (*) (100)
	* 90	— — Other
8535 90 00		— Other :
	* 10	— — For use in certain types of aircraft (*) (100)
	* 90	— — Other
8536		Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1 000 volts :
8536 10 00		— Fuses :
	* 10	— — For use in certain types of aircraft (*) (100)
	* 90	— — Other
8536 20		— Automatic circuit breakers :
8536 20 10		— — For a current not exceeding 63 A :
	* 10	— — — For use in certain types of aircraft (*) (100)
	* 90	— — — Other
8536 20 90		— — For a current exceeding 63 A :
	* 10	— — — For use in certain types of aircraft (*) (100)
	* 90	— — — Other
8536 30		— Other apparatus for protecting electrical circuits :
8536 30 10		— — For a current not exceeding 16 A :
	* 10	— — — For use in certain types of aircraft (*) (100)
	* 90	— — — Other
8536 30 30		— — For a current exceeding 16 A but not exceeding 125 A :
	* 10	— — — For use in certain types of aircraft (*) (100)
	* 90	— — — Other
8536 30 90		— — For a current exceeding 125 A :
	* 10	— — — For use in certain types of aircraft (*) (100)
	* 90	— — — Other

CN code	Taric subhead	Description
1	2	3
8536 41		— Relays :
		— — For a voltage not exceeding 60 volts :
8536 41 10		— — — For a current not exceeding 2 A :
	* 10	— — — — For use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾
		— — — — Other :
	* 91	— — — — Thermal relays contained in a hermetically sealed glass cartridge not exceeding 35 mm in length excluding wires; with a maximum leakage rate of 10 ⁻⁶ cm ³ He/sec at 1 bar in the temperature range 0 to 160° C, to be incorporated into compressors for refrigerating equipment ⁽⁴⁾
	* 99	— — — — Other
8536 41 90		— — — For a current exceeding 2 A :
	* 10	— — — — For use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾
		— — — — Other :
	* 91	— — — — Thermal relays contained in a hermetically sealed glass cartridge not exceeding 35 mm in length excluding wires; with a maximum leakage rate of 10 ⁻⁶ cm ³ He/sec at 1 bar in the temperature range 0 to 160° C, to be incorporated into compressors for refrigerating equipment ⁽⁴⁾
	* 99	— — — — Other
8536 49 00		— — Other :
	* 10	— — — For use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾
		— — — Other :
	* 91	— — — Thermal relays contained in a hermetically sealed glass cartridge not exceeding 35 mm in length excluding wires; with a maximum leakage rate of 10 ⁻⁶ cm ³ He/sec at 1 bar in the temperature range 0 to 160° C, to be incorporated into compressors for refrigerating equipment ⁽⁴⁾
	* 99	— — — Other
8536 50 00		— Other switches :
	* 10	— — For use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾
		— — Other :
	* 91	— — — Reed switches in the form of a glass capsule containing not more than three electrical contacts on metal arms and a small quantity of mercury
	* 92	— — — Telephone line switch assemblies consisting of one moveable and one stationary bifurcated spring with contact area of diffused gold of palladium silver inlay, mounted in polycarbonate material, and of dimensions not exceeding 40 mm x 20 mm x 13 mm
	* 99	— — — Other

CN code	Taric subhead	Description
1	2	3
		– Lamp-holders, plugs and sockets :
8536 61		– – Lamp-holders :
8536 61 10		– – – Edison lamp-holders :
	* 10	– – – – For use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – – Other
8536 61 90		– – – Other :
	* 10	– – – – For use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – – Other
8536 69 00	* 00	– – Other
8536 90		– Other apparatus :
		– – Connections and contact elements for wire and cables :
8536 90 11		– – – For co-axial cables :
	* 10	– – – – For use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – – Other
8536 90 19		– – – Other :
	* 10	– – – – Intended for the power plant, for use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – – Other
8536 90 90		– – Other :
	* 10	– – – Junction boxes for video systems, for use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – Other
8537		Boards, panels (including numerical control panels), consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading No 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of Chapter 90, other than switching apparatus of heading No 8517 :
8537 10		– For a voltage not exceeding 1 000 volts :
8537 10 10		– – Numerical control panels with built-in automatic data processing machine :
	* 10	– – – For use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – Other
		– – Other :
8537 10 91		– – – Programmable memory controllers
	* 10	– – – – For use in certain types of aircraft ⁽⁴⁾ (100)
	* 90	– – – – Other
8537 10 99		– – – Other :
	* 10	– – – – System control units to drive and control video systems, for use in certain types of aircraft ⁽⁴⁾ (100)

CN code	Taric subhead	Description
1	2	3
8539 31 90		— — — Other :
	* 10	— — — — Lamps for lighting, for use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾ . . .
	* 90	— — — — Other
8539 39		— — Other :
8539 39 10		— — — Dual lamps :
	* 10	— — — — Lamps for lighting, for use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾ . . .
	* 90	— — — — Other
		— — — Other :
8539 39 30	* 00	— — — — Mercury vapour lamps
		— — — — Sodium lamps :
8539 39 51	* 00	— — — — With a U-shaped discharge tube
8539 39 59	* 00	— — — — Other
8539 39 90		— — — — Other :
	* 10	— — — — — Lamps for lighting, for use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾ . . .
	* 90	— — — — — Other
8539 40		— Ultra-violet or infra-red lamps; arc lamps :
8539 40 10	* 00	— — Ultra-violet lamps
8539 40 30	* 00	— — Infra-red lamps
8539 40 90	* 00	— — Arc lamps
8539 90		— Parts :
8539 90 10	* 00	— — Lamp bases
8539 90 90	* 00	— — Other
8540		Thermionic, cold cathode or photocathode valves and tubes (for example, vacuum or vapour or gas filled valves and tubes, mercury arc rectifying valves and tubes, cathode-ray tubes, television camera tubes) :
		— Cathode-ray television picture tubes, including video monitor cathode-ray tubes :
8540 11		— — Colour :
8540 11 10		— — — With a diagonal measurement of the screen not exceeding 42 cm :
	* 10	— — — — For use in certain types of aircraft ⁽⁴⁾ ⁽¹⁰⁰⁾
		— — — — Other :
	* 91	— — — — — Equipped with a perforated mask (so-called 'dot mask') with electron guns placed in a triangle ('delta' technique) or placed side by side ('in-line' technique) with convergence errors of not more than 0.8 mm in the corners, having a diagonal angle of deflection not exceeding 90° and with maximum colour dot spacing of less than 0.4 mm

CN code	Taric subhead	Description
1	2	3
	* 25	<p>--- Colour cathode ray tubes with a dot mask equipped with electron guns in a triangular fashion (delta technology) with a distance of less than 0,4 mm between colour dots, with at least one of the following characteristics : a diagonal screen measurement of at least 66 cm; equipped with a phosphor layer calibrated with the following nominal coordinates for the colour dots : - red green blue X 0,64 0,29 0,15 Y 0,33 0,60 0,06 or X 0,64 0,31 0,155 Y 0,34 0,595 0,07 or X 0,610 0,307 0,150 Y 0,350 0,595 0,065 or X 0,61 0,205 0,15 Y 0,35 0,680 0,065 or X 0,62 0,29 0,15 Y 0,35 0,60 0,065</p>
	* 26	<p>--- Flat screen monochrome cathode ray tubes having a diagonal screen measurement of not less than 142 mm and not more than 145 mm, a luminescence of between 300 and 400 lumen, a resolution of between 0,06 and 0,1 mm, phosphor types P1 or P55 or P56, an anode voltage or more than 34 Kv, a focus voltage of more than 7 Kv and a cathode current of not less than 3 mA</p>
	* 27	<p>--- Cathode-ray tubes (colour) equipped with a perforated mask (so-called 'dot mask') with electron guns placed in a triangle ('delta' technique) or placed side by side ('in-line' technique) with convergence errors of not more than 0,8 mm in the corners, having a diagonal angle of deflection not exceeding 90° and with maximum colour dot spacing of less than 0,4 mm</p>
8540 41 00	* 99	<p>--- Other</p> <p>--- Microwave tubes (for example, magnetrons, klystrons, travelling wave tubes, carcinotrons), excluding grid-controlled tubes :</p> <p>--- Magnetrons :</p>
	* 10	<p>--- For use in certain types of aircraft (4) (108)</p>
	* 90	<p>--- Other</p>
8540 42 00		<p>--- Klystrons :</p>
	* 10	<p>--- For use in certain types of aircraft (4) (108)</p>
	* 90	<p>--- Other</p>
8540 49 00		<p>--- Other :</p>
	* 10	<p>--- For use in certain types of aircraft (4) (108)</p>
	* 90	<p>--- Other</p>
		<p>--- Other valves and tubes :</p>
8540 81 00		<p>--- Receiver or amplifier valves and tubes :</p>
	* 10	<p>--- For use in certain types of aircraft (4) (108)</p>
	* 90	<p>--- Other</p>

CN code	Taric subhead	Description
1	2	3
8543 90		– Parts :
8543 90 10	* 00	– – Assemblies and sub-assemblies consisting of two or more parts or pieces fastened or joined together, for flight recorders, for use in civil aircraft ⁽²²⁾
8543 90 90	* 00	– – Other
8544		Insulated (including enamelled or anodised) wire, cable (including co-axial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fibre cables, made up of individually sheathed fibres, whether or not assembled with electric conductors or fitted with connectors :
		– Winding wire :
8544 11		– – Of copper :
8544 11 10	* 00	– – – Lacquered or enamelled
8544 11 90	* 00	– – – Other
8544 19		– – Other :
8544 19 10	* 00	– – – Lacquered or enamelled
8544 19 90		– – – Other :
	* 10	– – – – <i>Insulated winding wire of aluminium of a purity of not less than 99,5 % by weight, neither lacquered, varnished nor enamelled, with a total thickness of not less than 0,15 mm and not more than 0,16 mm</i>
	* 90	– – – – <i>Other</i>
8544 20		– Co-axial cable and other co-axial electric conductors :
8544 20 10	* 00	– – Ready for connectors to be fitted or already provided with connectors .
		– – Other :
8544 20 91	* 00	– – – For high frequency
8544 20 99	* 00	– – – Other
8544 30		– Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships :
8544 30 10	* 00	– – For use in civil aircraft ⁽²²⁾
8544 30 90	* 00	– – Other
		– Other electric conductors, for a voltage not exceeding 80 volts :
8544 41 00	* 00	– – Fitted with connectors

CN code	Taric subhead	Description
1	2	3
8544 49		-- Other :
8544 49 10	* 00	-- -- Insulated with plastic material
8544 49 90	* 00	-- -- Insulated with other materials
		-- Other electric conductors, for a voltage exceeding 80 volts but not exceeding 1 000 volts :
8544 51 00	* 00	-- -- Fitted with connectors
8544 59		-- Other :
8544 59 10	* 00	-- -- With individual conductor wires of a diameter exceeding 0,51 mm .
		-- -- Other :
8544 59 91	* 00	-- -- -- Insulated with rubber or other elastomers, including cross-linked materials
8544 59 93	* 00	-- -- -- Insulated with other plastic material
8544 59 99	* 00	-- -- -- Insulated with other materials
8544 60		-- Other electric conductors, for a voltage exceeding 1 000 volts :
		-- -- With copper conductors :
8544 60 11	* 00	-- -- -- Insulated with rubber or other elastomers, including cross-linked materials
8544 60 13	* 00	-- -- -- Insulated with other plastic material
8544 60 19	* 00	-- -- -- Insulated with other materials
		-- -- With other conductors :
8544 60 91	* 00	-- -- -- Insulated with rubber or other elastomers, including cross-linked materials
8544 60 93	* 00	-- -- -- Insulated with other plastic material
8544 60 99	* 00	-- -- -- Insulated with other materials
8544 70 00	* 00	-- Optical fibre cables
8545		Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes :
		-- Electrodes :
8545 11 00	* 00	-- -- Of a kind used for furnaces

CN code	Taric subhead	Description
1	2	3
9028		Gas, liquid or electricity supply or production meters, including calibrating meters therefor :
9028 10 00	* 00	– Gas meters
9028 20 00	* 00	– Liquid meters
9028 30		– Electricity meters :
		– – For alternating current :
9028 30 11	* 00	– – – For single-phase
9028 30 19	* 00	– – – For multi-phase
9028 30 90	* 00	– – Other
9028 90		– Parts and accessories :
9028 90 10	* 00	– – For electricity meters
9028 90 90	* 00	– – Other
9029		Revolution counters, production counters, taximeters, mileometers, pedometers and the like; speed indicators and tachometers, other than those of heading No 9014 or 9015; stroboscopes :
9029 10		– Revolution counters, production counters, taximeters, mileometers, pedometers and the like :
9029 10 10	* 00	– – Electric or electronic revolution counters, for use in civil aircraft ⁽²²⁾
9029 10 90	* 00	– – Other
9029 20		– Speed indicators and tachometers; stroboscopes :
		– – Speed indicators and tachometers :
9029 20 10	* 00	– – – For use in civil aircraft ⁽²²⁾
		– – – Other :
9029 20 31	* 00	– – – – Speed indicators for vehicles
9029 20 39	* 00	– – – – Other
9029 20 90	* 00	– – Stroboscopes
9029 90		– Parts and accessories :
9029 90 10	* 00	– – Of revolution counters, speed indicators and tachometers, for use in civil aircraft ⁽²²⁾
9029 90 90	* 00	– – Other
9030		Oscilloscopes, spectrum analysers and other instruments and apparatus for measuring or checking electrical quantities, excluding meters of heading No 9028; instruments and apparatus for measuring or detecting alpha, beta, gamma, X-ray, cosmic or other ionizing radiations :
9030 10		– Instruments and apparatus for measuring or detecting ionising radiations :
9030 10 10	* 00	– – For use in civil aircraft ⁽²²⁾
9030 10 90	* 00	– – Other

CN code	Taric subhead	Description
1	2	3
9030 20		– Cathode-ray oscilloscopes and cathode-ray oscillographs :
9030 20 10	* 00	– – For use in civil aircraft (22)
9030 20 90	* 00	– – Other
		– Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, without a recording device :
9030 31		– – Multimeters :
9030 31 10	* 00	– – – For use in civil aircraft (22)
9030 31 90	* 00	– – – Other
9030 39		– – Other :
9030 39 10	* 00	– – – For use in civil aircraft (22)
		– – – Other :
9030 39 30	* 00	– – – – Electronic
		– – – – Other :
9030 39 91	* 00	– – – – – Voltmeters
9030 39 99	* 00	– – – – – Other
9030 40		– Other instruments and apparatus, specially designed for telecommunications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers) :
9030 40 10	* 00	– – For use in civil aircraft (22)
9030 40 90	* 00	– – Other
		– Other instruments and apparatus :
9030 81		– – With a recording device :
9030 81 10	* 00	– – – For use in civil aircraft (22)
9030 81 90	* 00	– – – Other
9030 89		– – Other :
9030 89 10	* 00	– – – For use in civil aircraft (22)
		– – – Other :
9030 89 91	* 00	– – – – Electronic
9030 89 99	* 00	– – – – Other
9030 90		– Parts and accessories :
9030 90 10	* 00	– – For use in civil aircraft (22)
9030 90 90	* 00	– – Other
9031		Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors :
9031 10 00	* 00	– Machines for balancing mechanical parts
9031 20 00	* 00	– Test benches
9031 30 00	* 00	– Profile projectors

