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Notice No Contents Page I Information Commission 1999/C 77/01 Euro exchange rates 1999/C 77/02 Commission notice pursuant to Article 19(3) of Council Regulation No 17 1999/C 77/03 Prior notification of a concentration (Case No IV/M.1499 — Swiss Life/Lloyd Continental) (1)..... 5 1999/C 77/04 Notice of initiation of an interim review of the anti-dumping measures applicable to imports of certain seamless pipes and tubes of iron or non-alloy steel originating, inter alia, in Russia European Central Bank 1999/C 77/05 Opinion of the European Central Bank at the request of the Council of the European Union under Article 105a(2) of the Treaty establishing the European Community on a proposal for a Council Regulation (EC) amending Council Regulation (EC) No 975/98 on denominations and technical specifications of euro coins intended for circulation 1999/C 77/06 Opinion of the European Central Bank at the request of the Council of the European Union under Article 109c(3) of the Treaty establishing the European Community on a proposal for a Council Decision (EC) on the detailed provisions concerning the composition of the Economic and Financial Committee II Preparatory Acts



III Notices

Commission

1999/C 77/07	Media II — Development and distribution (1996-2000) — Implementation of the programme of encouragement for the development and distribution of European audiovisual productions — Call for proposals No 10/99 — Support for the distribution and dissemination of European audiovisual productions and films	10
1999/C 77/08	Media II — Development and distribution (1996-2000) — Implementation of a programme encouraging the development and distribution of European audiovisual works — Call for proposals No 9/99 — 'Automatic' support for the transnational distribution of European films	11
1999/C 77/09	First call for proposals for RT actions under the specific programme for research, and training (Euratom) in the field of nuclear energy (1998 to 2002) (Key action 2: Nuclear fission)	12
1999/C 77/10	Second call for proposals for RT actions under the specific programme for research and training (Euratom) in the field of nuclear energy (1998 to 2002) (Key action 2: Nuclear fission)	14
1999/C 77/11	Open call for proposals for RT actions under the specific programme for research, and training (Euratom) in the field of nuclear energy (1998 to 2002)	16
1999/C 77/12	Call for proposals for indirect RTD actions under the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development (1998 to 2002)' (Part A: Environment and sustainable development)	19
1999/C 77/13	First call for proposals for RTD actions under the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development' (1998 to 2002) (Part B: Energy — Key actions 5 and 6)	24
1999/C 77/14	Second call for proposals for RTD actions under the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development' (1998 to 2002)) (Part B: Energy — Key actions 5 and 6)	27
1999/C 77/15	Open call for proposals for RTD actions under the specific programme for research, technological development and demonstration on 'energy, environment and sustainable development' (1998 to 2002) (Part B: Energy)	29

I

(Information)

COMMISSION

Euro exchange rates (1)

19 March 1999

(1999/C 77/01)

1 euro	=	7,4315	Danish krone				
	=	321,55	Greek drachma				
	=	8,937	Swedish krona				
	=	0,6708	Pound sterling				
	=	1,0915	United States dollar				
	=	1,6543	Canadian dollar				
	=	127,99	Japanese yen				
	=	1,5986	Swiss franc				
	=	8,4515	Norwegian krone				
	=	78,48235	Icelandic króna (²)				
	=	1,7316	Australian dollar				
	=	2,0521	New Zealand dollar				
	=	6,79104	South African rand (2)				

⁽¹⁾ Source: reference exchange rate published by the ECB.

⁽²⁾ Source: Commission.

Commission notice pursuant to Article 19(3) of Council Regulation No 17 (1) concerning case No IV/37.130 — Farland Network

(1999/C 77/02)

(Text with EEA relevance)

A. INTRODUCTION

On 2 July 1998 the Commission received notification of a set of agreements pursuant to Article 4 of Council Regulation No 17 concerning the creation and operation of a pan-European telecommunications network. The notifying parties are British Telecommunications plc, Sunrise Communications AG, Telfort BV, Albacom SpA and Viag Interkom GmbH and Co.

The network will be constituted by the lease of fibre pairs or wavelengths in the participant's territories (²) to a central administrator, Farland BV, which will reconfigure the network elements and manage the network. The capacity will then be leased back to the participating companies.

B. THE PARTIES

British Telecommunications plc ('BT') is the incumbent telecommunication operator in the United Kingdom, providing a wide range of telecommunications services to residential, professional and large business users. Its activities include the provision of fixed-line voice telephony, leased lines, data transmission, mobile telephony, equipment sales and rentals. BT has a UK network and a global network through Concert, currently a wholly-owned subsidiary. It provides cross-border telecommunications services based on the international telecommunications correspondent regime. The BT UK network is not part of the Farland network.

The companies of the BT group parties to the notified agreements are: British Telecommunications plc, BT (world-wide) Netherlands BV, BT (world-wide) Limited Belgium branch, BT (world-wide) Limited Italian branch, BT Limited Switzerland branch and BT Telecom Deutschland GmbH. Farland BV will be a Belgian company wholly owned by BT.

The agreements entered into between members of the BT group are being notified solely as a matter of information. They do not require negative clearance or exemption in so far as they represent internal group arrangements and thus fall outside the scope of Article 85(1) EC.

The other parties to the agreements are:

Viag Interkom GmbH & Co, a jointly-controlled venture between BT and Viag AG, in which the shareholders are Viag Interkom, Viag Aktiengesellschaft and Telenor, created in 1995 (Telenor joining in 1997) for the provision of telecommunications services in Germany;

Telfort BV, a concentrative joint venture between BT and NS Group NV created in 1996 to provide a broad portfolio of telecommunications services in the Netherlands;

Albacom is an existing joint-venture company established in 1995 by BT and Banca Nazionale del Lavoro SpA (BNL) and later joined by Mediaset SpA. In December 1997, Ente Nazionale Idrocarburi SpA (ENI) joined Albacom by acquiring a controlling interest in it. Albacom provides a broad range of telecommunications services in Italy.

Sunrise Communications AG (company name changed from NewtelCo AG on 2 June 1998), a joint venture formed in 1997 between BT, the Schweizerischen Bundesbahnen, the Migros-Genossenschafts-Bund, the Union Bank of Switzerland and TeleDanmark. The purpose of Sunrise is to develop, operate and maintain a domestic telecommunications network in Switzerland.

C. THE RELEVANT MARKET

1. Product market

Farland will address the market for the provision of terrestrial transmission capacity. In addition, the project may also affect the market for the provision of telecommunications services to end-users.

(a) Provision of terrestrial transmission capacity

Farland will supply cross-border bandwidth capacity on a pan-European basis. The network is primarily intended and designed for international traffic; it will inter-link the parties' transmission centres in different European cities. The planned capacity and speed of the network

⁽¹⁾ OJ 13, 21.2.1962, p. 204/62.

⁽²⁾ Initially, the United Kingdom, Belgium, Germany, Italy, Switzerland and the Netherlands and, subject to negotiations, France.

will allow its utilisation not only for voice and data services but also for broadband services. Such capacity is intended for use by the parties to the Agreements and for use by third parties (as mobile telephone operators, re-sellers, telephone companies or Internet service providers) through resale of that capacity.

(b) Provision of telecommunications services

Through the construction of a cross-border network and associated transmission infrastructure with presence in a significant number of European countries, the parties will be able to develop and deliver a broad range of advanced telecommunications services (primarily to business users). Farland itself will not be a provider of telecommunications services and will not hold a public telecommunications operator licence except where local regulation requires this for running the network.

2. Geographic market

The scope of the agreement is in principle limited to the provision of transborder capacity, to the exclusion of purely domestic networks. It is possible that undertakings in other countries in the EEA will join the operation at a later date. The services provided by Farland will be based on the widely used SDH (¹) technology. That technology will allow for ease of linkage between the Farland network and other operators networks in Europe and world-wide. Along the lines of the Commission's findings in previous cases (²), the dimension of the markets that must be considered in the context of this notification is international and, at least, EEA-wide.

3. The Parties' expectations

Farland is a new entrant in the market for the provision of terrestrial transmission capacity. None of the parties, including BT (3), is currently or has been involved so far in the operation of similar pan-European telecommunications networks.

Farland capacity will be directly substitutable with capacity provided over pan-European networks established or about to be established by a significant number of competitors. According to public information available

on the activities of other companies in the field of trans-European networks, the most relevant competitors of Farland will include: Hermes (currently operating and planning to cover 16 countries and 33 cities by 2000 with 55 cities in Western and Central Europe), WorldCom (covering cities in six or more Western European countries), Viatel (linking cities in five Western European countries), Esprit Telecom (linking 40 largest Western European cities), Level3 (backbone in 13 European markets), Flute (linking three countries in 1998). Unisource, C&W, France Télécom, Deutsche Telekom and Qwest (intending to enter the EU market). In addition, infrastructure providers can easily increase capacity on their existing networks by the use of technology which is readily available from a number of global suppliers.

The parties' expectation is that Farland will account for less than 3 % of the available network capacity at the time of its entry into service, by January 1999, and that it will likely decrease after, in view of successive entry into service of similar networks. Given the expected substantial increase of capacity offered in this market segment and the larger availability of alternative sources of supply, it is excluded that the intended cooperation could have a negative impact on the conditions of competition in the market for the provision of terrestrial transmission capacity on a pan-European basis.

With regard to the market for the provision of telecommunications services, none of the parties, except BT, has a share exceeding 15% of their respective home markets. With respect to BT's position in its home market, in particular its control of local loop access in the UK, the Commission takes the view that the undertakings given in the context of Case IV/36.539 BiB (4) concerning divestiture by BT of local cable network operators should ensure that competition remains possible at that level and that Farland would not unduly leverage BT's position on that market.

D. THE TRANSACTION

The parties have agreed to create a company, Farland BV, which will administer and run the network. This will be achieved through two main sets of agreements: the fibre leases agreements, by which the parties grant leases of certain dark fibre/wavelengths to Farland, and the services agreements, by which Farland leases back to the parties transmission capacity in a reconfigured form. The agreements also involve other miscellaneous clauses.

⁽¹⁾ SDH: acronym for synchronous digital hierarchy; an international standardised transmission technology which offers greater capacity in existing fibre-optics networks, better remote control and automatic re-routing in the case of faults

⁽²⁾ For example, Hermes decision (Case No IV/M.683, Decision of 5.3.1996, point 20). Unisource decision (OJ L 318, 20.11.1997).

⁽³⁾ It should be noted that BT is itself a provider of international private leased circuits, which can be considered as a substitute to the networks alternatives such as Farland.

⁽⁴⁾ See Article 19(3) (OJ C 322, 21.10.1998).

(a) Fibre leases agreements

The fibre leases set of agreements provide for the grant by the parties to Farland of a full and exclusive right of use of specified dark fibre in the form of fibre pairs connecting defined locations in each party territory. The fibre lease runs for a period of 15 years and is extendable for a further 10-year period. In return for the grant of the right of use, Farland will pay the contributing parties fees for the fibre taken up, maintenance of fibres and lease of equipment housing. To ensure physical interconnection between the various hitherto national networks, Farland will construct the necessary trans-border links where these do not exist as well as a submarine cable to the United Kingdom.

(b) Services agreements

The service agreements govern the provision by Farland of the reconfigured dark fibre, in the form of transmission capacity to the parties. The parties will pay Farland for the use of the transmission capacity provided to them.

Farland will not provide any services but only make bare capacity available to the parties. The latter will be fully autonomous from Farland and BT to decide which products to offer and whether to use or not the Farland system (1) based solely on commercial considerations including quality and price.

(c) Miscellaneous clauses

The parties will set up a 'Customer Representation and Advisory Committee' in which each party having acquired a minimum amount of transmission capacity from Farland is represented. The tasks of this committee comprise mainly the approval of audits and budgets related to the provision of capacity.

It is anticipated that, under a separate transaction, Farland will enter into services agreements with Concert Global Networks Ltd.

The parties will not circulate among themselves confidential information in respect of customer contract related data, such as prices, routes or volumes of traffic. The information to be provided about the utilisation of the network is solely that which is required for the operation of the network.

In the course of the notification procedure, the parties have stressed that:

There will be no alignment of strategies or increased transparency between BT and other parties or between the parties themselves as a result of the notified transaction. BT has no intention to act as the exclusive representative for the parties in respect of the negotiation of transit traffic with third licensed operators.

The parties are well aware of the fact that changes in Farland, regarding the participants in the project or the nature of the business, in particular as a consequence of strategic alliances by any of the parties, may require a separate notification for obtaining the Commission's prior approval.

E. RESTRAINTS IDENTIFIED BY THE PARTIES

Fibre leases agreements

- (a) Form of lease: Farland obtains an exclusive right to use the fibre pairs which it leases from the parties for the period of the licence.
- (b) Term: the agreement applies for 15 years, extendable by another 10 years.
- (c) Most favoured nation clause: Farland secures the parties equal treatment regarding the terms and conditions applied for the purposes of the agreement.
- (d) Fibre maintenance clause: the maintenance of the fibre pairs leased to Farland may be carried out by the parties at a fee to be agreed in line with the prevailing market rates.
- (e) Right of first refusal: the parties have a right of first refusal to supply Farland with further fibre pairs.

Services agreements

- (f) Pricing of the capacity leased to the parties: This price is fixed for the first year and will be adjusted in successive years.
- (g) Interconnection at presence points: interconnection to the Farland network is only guaranteed for the parties.
- (h) Minimum initial capacity orders: The parties are obliged to acquire, at least for an initial term of 36 months corresponding to the starting-up period of Farland, a minimum amount of the transmission

⁽¹⁾ Exception made of the 'Initial capacity orders' referred to in point E(i).

capacity provided by the network. Those orders are irrevocable except if Farland is unable to provide that capacity to the parties at competitive rates.

- (i) Links outside the country in which the leasing party is based: unless Farland waives this provision, it shall provide the parties only with international transmission capacity (i.e. links where at least one point of presence is located outside the home country of the leasing party).
- (j) Most favoured nation clause: see supra, mutatis mutandis.

F. THE COMMISSION'S INTENTIONS

On the basis of the foregoing, the Commission intends to take a favourable view on the notified transaction pursuant to Article 85 of the EC Treaty. Before doing so, it invites interested third parties to submit their comments, within one month of the date of publication of this notice, quoting the reference IV/37.130 — Farland Network, to the following address:

European Commission,
Directorate-General for Competition (DG IV),
Directorate C,
Rue de la Loi/Wetstraat 200,
B-1049 Brussels,
Fax (32-2) 296 70 81.

Prior notification of a concentration

(Case No IV/M.1499 — Swiss Life/Lloyd Continental)

(1999/C 77/03)

(Text with EEA relevance)

- 1. On 12 March 1999, the Commission received notification of a proposed concentration pursuant to Article 4 of Council Regulation (EEC) No 4064/89 (¹), as last amended by Regulation (EC) No 1310/97 (²), by which Swiss Life acquires, within the meaning of Article 3(1)(b) of the Regulation, control of the whole of Lloyd Continental by way of purchase of shares.
- 2. The business activities of the undertakings concerned are:
- Swiss Life: insurance,
- Lloyd Continental: insurance.
- 3. On preliminary examination, the Commission finds that the notified concentration could fall within the scope of Regulation (EEC) No 4064/89. However, the final decision on this point is reserved.
- 4. The Commission invites interested third parties to submit their possible observations on the proposed operation.

Observations must reach the Commission not later than 10 days following the date of this publication. Observations can be sent by fax (No (32-2) 296 43 01 or 296 72 44) or by post, under reference IV/M.1499 — Swiss Life/Lloyd Continental, to:

European Commission,
Directorate-General for Competition (DG IV),
Directorate B — Merger Task Force,
Avenue de Cortenberg/Kortenberglaan 150,
B-1040 Brussels.

⁽¹⁾ OJ L 395, 30.12.1989, p. 1; corrigendum: OJ L 257, 21.9.1990, p. 13.

⁽²⁾ OJ L 180, 9.7.1997, p. 1; corrigendum: OJ L 40, 13.2.1998, p. 17.

Notice of initiation of an interim review of the anti-dumping measures applicable to imports of certain seamless pipes and tubes of iron or non-alloy steel originating, inter alia, in Russia

(1999/C 77/04)

(This text cancels and replaces that previously published in OJ C 70, 13.3.1999)

The Commission has received a request for a review of the measures imposed by Council Regulation (EC) No 2320/97 (¹) on imports of certain seamless pipes and tubes of iron or non-alloy steel originating, *inter alia*, in Russia.

1. Request for a review

The request pursuant to Article 11(3) of Council Regulation (EC) No 384/96 (²) (hereinafter referred to as 'the Basic Regulation') was lodged on 16 December 1998 by Russian exporters of seamless pipes and tubes. The request for the interim review is limited in scope to the examination of the acceptability of an undertaking from the Russian exporters concerned.

2. Product

The product concerned by the review is:

- (a) seamless pipes of iron or non-alloy steel, of a kind used for oil or gas pipelines, of an external diameter not exceeding 406,4 mm;
- (b) seamless tubes of circular cross-section, of iron or non-alloy steel, cold-drawn or cold-rolled, other than precision tubes;
- (c) other tubes of circular cross-section, of iron or non-alloy steel, other than threaded or threadable, of an external diameter not exceeding 406,4 mm,

currently classifiable within CN codes 7304 10 10, 7304 10 30, 7304 31 99, 7304 39 91 and 7304 39 93.

3. Existing measures

By Regulation (EC) No 2320/97 definitive anti-dumping duties have been imposed on imports of seamless pipes and tubes as described in paragraph 2 originating, *interalia*, in Russia.

4. Grounds for the review

During the original investigation, some Russian exporters offered an undertaking which was not accepted by the Commission as it did not contain

the necessary guarantees on the part of the Russian authorities to allow adequate monitoring.

Regulation (EC) No 2320/97 therefore imposed an *ad valorem* duty at the level definitively established for Russia.

Recital 87 of the said Regulation, however, also provided for the anti-dumping measure in respect of Russia to be modified, if ever there were a change in circumstances such that the conditions for the acceptance of an undertaking were met.

The Russian authorities have now provided the Commission with guarantees which would appear to be sufficient for the adequate monitoring of an undertaking, as discussed in the framework of the original investigation, and Russian exporters have requested that the Commission accept such an undertaking.

5. Procedure

Having determined, after consulting the Advisory Committee, that sufficient evidence exists for the initiation of an interim review, the Commission hereby initiates a review pursuant to Article 11(3) of the Basic Regulation, limited in scope to the examination of the acceptability of an undertaking from the Russian exporters concerned.

All interested parties, provided they can show that they are likely to be affected by the results of the examination of the acceptability of an undertaking from Russian exporters of the product concerned, are hereby invited to make their views known and provide supporting evidence.

Furthermore the Commission may hear interested parties, provided they make a request in writing and show that there are particular reasons why they should be heard.

Any submission or request for a hearing must be made in writing to the address mentioned below and should indicate the name, address, fax and/or telephone numbers of the interested parties.

6. Time limit

Interested parties, if their representations are to be taken into account during the review, must make themselves known, present their views in writing and submit

⁽¹⁾ OJ L 322, 25.11.1997, p. 1.

⁽²) OJ L 56, 6.3.1996, p. 1.

information within 40 days of the publication of this notice in the *Official Journal of the European Communities*. Interested parties may also apply to be heard within the same time limit.

The address for correspondence is:

European Commission Directorate-General I External Relations: Commercial Policy and Relations with North America, the Far East, Australia and New Zealand Directorates C and E DM 24 8/38 Rue de la Loi/Wetstraat 200 B-1049 Brussels. Fax (32-2) 295 65 05 Telex COMEU B 21877.

7. Non-cooperation

In cases in which any interested party refuses access to or does not provide the necessary information within the time limits, or significantly impedes the investigation, provisional or final findings, affirmative or negative, may be made in accordance with Article 18 of the Basic Regulation, on the basis of the facts available.

EUROPEAN CENTRAL BANK

OPINION OF THE EUROPEAN CENTRAL BANK

at the request of the Council of the European Union under Article 105a(2) of the Treaty establishing the European Community on a proposal for a Council Regulation (EC) amending Council Regulation (EC) No 975/98 on denominations and technical specifications of euro coins intended for circulation

(1999/C 77/05)

- On 26 October 1998 the European Central Bank (ECB) received a request from the Council of the European Union for an ECB opinion on a proposal for a Council Regulation (EC) amending Council Regulation (EC) No 975/98 on denominations and technical specifications of euro coins intended for circulation.
- 2. In accordance with Article 1091(2) of the Treaty establishing the European Community (hereinafter referred to as the Treaty), the ECB has taken over the advisory functions of the European Monetary Institute (EMI), which went into liquidation upon the establishment of the ECB on 1 June 1998. The ECB's competence to deliver an opinion is based on Articles 105a(2) and 109f(8) of the Treaty. In accordance with Article 17(5), first sentence, of the Rules of Procedure of the ECB, this ECB opinion has been adopted by the Governing Council of the ECB.
- 3. The objective of the proposal for a Council Regulation (EC) is to address, by amending the weight of the 50 cent coin and the definition of the edge of the 10 and 50 cent coins, the concerns expressed, on the one hand, by the vending machine industry and, on the other, by the European Blind Union. The ECB welcomes the proposed amendments, which will reduce the risk of fraud involving vending machines and the risk of confusion for blind and visually handicapped people.
- 4. This ECB opinion will be published in the Official Journal of the European Communities.

Done at Frankfurt am Main on 16 November 1998.

The President of the ECB Willem F. DUISENBERG

OPINION OF THE EUROPEAN CENTRAL BANK

at the request of the Council of the European Union under Article 109c(3) of the Treaty establishing the European Community on a proposal for a Council Decision (EC) on the detailed provisions concerning the composition of the Economic and Financial Committee

(1999/C 77/06)

- 1. The European Central Bank (ECB) received a request from the Council of the European Union for an ECB opinion on a proposal for a Council Decision (EC) on the detailed provisions concerning the composition of the Economic and Financial Committee (EFC) (hereinafter referred to as the 'proposed Decision').
- 2. The ECB's competence to deliver an opinion is based on Article 109c(3) of the Treaty establishing the European Community. In accordance with Article 17(5), first sentence, of the Rules of Procedure of the ECB, this ECB opinion has been adopted by the Governing Council of the ECB.
- 3. The objective of the proposed Decision is to address in detail the question of the composition of the Economic and Financial Committee. The ECB welcomes the specification of the qualifications necessary for appointment to the EFC. This requirement, which already existed for members of the Monetary Committee, underlines the continuity between the two Committees and the technical nature of the advice given by the EFC.
- 4. The proposed Decision appropriately provides that Member States, the Commission of the European Communities and the ECB each appoint two members to the EFC, reflecting the decision taken by the European Council meeting in Luxembourg. However, the ECB would prefer to state explicitly in Article 3 that the two members appointed by each Member State shall be selected from among senior officials in the national administration and at the national central bank respectively, and that the alternates shall be selected under the same conditions.
- 5. This ECB opinion will be published in the Official Journal of the European Communities.

Done at Frankfurt am Main on 24 November 1998.

The President of the ECB
Willem F. DUISENBERG

III

(Notices)

COMMISSION

Media II — Development and distribution (1996-2000)

Implementation of the programme of encouragement for the development and distribution of European audiovisual productions

Call for proposals No 10/99

Support for the distribution and dissemination of European audiovisual productions and films

(1999/C 77/07)

1. Introduction

This call for proposals is pursuant to Council Decision 95/563/EC concerning the implementation of the programme of encouragement for the development and distribution of European audiovisual productions (Media II — Development and distribution) (1996 to 2000), (OJ L 321, 30.12.1995, p. 25).

The objectives of the programme include:

- the reinforcement of the European distribution sector in the field of film and video productions,
- encouraging the transnational distribution of European films, and the networking of agents,
- promoting the circulation of European television programmes,
- support for the multilingualism of audiovisual and film productions.

2. Subject

This notice is addressed to European companies whose activities contribute to the aforementioned objectives, in particular European companies involved in the distribution of film and audiovisual material, video producers, television broadcasting companies and independent producers. It contains information on how to obtain the necessary documents for submitting a proposal in view of obtaining Community fiancial support.

The Commission service responsible for managing this call for proposals is the unit for 'Measures to develop the audiovisual industry' of Directorate-General X, Audiovisual Media, Information, Communication and Culture.

Agents wishing to respond to this call for proposals and receive the document 'Guidelines for submitting a proposal with a view to obtaining financial support for

the distribution and dissemination of European audiovisual and film productions' must send their request by post or fax to:

European Commission, Mr Jacrues Delmoly, Head of Unit, DG X/C/2, T120-1/2, Rue de la Loi/Wetstraat 200, B-1049 Brussels, fax (32-2) 299 92 14, detailing the type of support for which they wish to receive guidelines:

Type of support 3.1: support for the transnational distribution of European films and the networking of distributors,

Type of support 3.2: support for video and multimedia distribution and dissemination of European films and audiovisual programmes,

Type of support 3.3: support for television diffusion of European audiovisual productions,

Type of support 3.4: support for the marketing of commercial rights for European audiovisual productions.

The Commission undertakes to return the aforementioned document within two working days of receiving the request.

The final dates for the dispatch of proposals to the aforementioned address are:

- 4 June and 17 September 1999 for the support for the transnational distribution of European films and the networking of distributors (Type of support 3.1),
- 24 September 1999 for the support for video and multimedia distribution of European films and audiovisual programmes (Type of support 3.2),
- 4 June and 17 September 1999 for the support for TV diffusion of European audiovisual programmes, and support for the marketing of commercial rights for European audiovisual production (Types of support 3.3 and 3.4).

Media II — Development and distribution (1996-2000)

Implementation of a programme encouraging the development and distribution of European audiovisual works

Call for proposals No 9/99

'Automatic' support for the transnational distribution of European films

(1999/C 77/08)

1. Introduction

This call for proposals is based on Council Decision 95/563/EC of 10 July 1995 on the implementation of a programme encouraging the development and distribution of European audiovisual works (Media II — Development and distribution) (1996-2000) (OJ L 321, 30.12.1995, p. 25).

The objectives of the programme include:

- boosting the European film distribution sector;
- encouraging the transnational distribution of European films and networking among operators.

These objectives are to be achieved by implementing a system of support for European distributors in proportion to ticket sales achieved by European films outside their national territory.

2. Purpose

This notice is intended for European companies whose activities contribute to the attainment of the above objectives, particularly European film distribution companies. It explains how to obtain the necessary documents for submitting their proposal and applying for financial assistance from the Community through the system of 'automatic' support for distribution.

The Commission department responsible for administering this call for proposals is the C2 Unit of Directorate-General X for Information, Communication, Culture and Audiovisual Media.

European companies wishing to respond to this call for proposals and receive the application forms should send their request by post or fax to:

Jacques Delmoly, Head of Unit, DG X/C/2, T120-1/2 European Commission, Rue de la Loi/Wetstraat 200, B-1049 Brussels; fax (32-2) 299 92 14.

The Commission undertakes to send the above documents within two days of receiving the request.

The closing date for the submission of proposals is 30 April 1999.

First call for proposals for RT actions under the specific programme for research, and training (Euratom) in the field of nuclear energy (1998 to 2002)

(Key action 2: Nuclear fission)

(1999/C 77/09)

1. In accordance with Council Decision 1999/64/Euratom of 22 December 1998, concerning the fifth framework programme of the European Atomic Energy Community for research and training (1998 to 2002) (1) (hereinafter referred to as the fifth framework programme), and with the Council Decision 1999/175/Euratom of 25 January 1999, adopting a research and training programme (Euratom) in the field of nuclear energy (1998 to 2002) (²) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RT actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RT priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget and types of indirect RT actions referred to in this call notice correspond to those set out in the work programme.

- 2. This call relates to proposals, specified in point 4 of this call, called by a fixed deadline following which evaluation will take place. Proposals not having met this deadline will not be considered under this call notice.
- 3. The specific programme is implemented notably through indirect RT actions as provided for in Annexes II and III of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework programme, the specific programme, Council Decision 1999/66/Euratom of 22 December 1998 concerning the rules for the participation of undertakings, research centres and universities in the implementation of the fifth framework programme of the European Atomic Energy Community (Euratom) (1998-2002) (4) (hereinafter referred to as the rules for participation), and the work programme.

Information on these rules and on how to prepare and submit proposals is given in the guide for proposers, which can be obtained, along with the work programme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission, Nuclear Energy Information Desk, MO75 5/43, Rue de la Loi/Wetstraat 200, B-1049 Brussels;

Email: giuseppe.cottone@dg12.cec.be Fax (32-2) 295 49 91 Web: http://www.cordis.lu/fp5-euratom/calls/calls.htm

4. Those eligible to participate in indirect RT actions (shared cost, concerted actions and thematic networks) under the specific programme, are hereby invited to submit proposals that address the following parts of the work programme:

Key Action 2: Nuclear fission

- 2.1. Operational safety of existing installations
 - Severe accident management

Indicative budget: EUR 12 million

Deadline: 17 June 1999 (please see point 5)

- 5. Proposals must be submitted before or on the deadline applicable to that type of indirect action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

⁽¹⁾ OJ L 26, 1.2.1999, p. 34.

⁽²⁾ OJ L 64, 12.3.1999, p. 142.

⁽³⁾ European Commission Decision C(1999) 616.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 56.

 courier (¹) or hand-delivered before 5 p.m. (Brussels local time), as confirmed by acknowledgement of receipt, to:

European Commission, The Research Proposal Office, Square Frère Orban, 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. The first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the applicable deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline. Proposals sent by courier service or hand-delivered must be received before or on the deadline.

Proposers are requested to use only one of the methods, described above, by which to submit proposals, and to only submit one version of any given proposal. In the case of an eligible proposal, being received in both paper and electronic formats, only the electronic version will be evaluated.

The Commission will offer a pre-proposal check service for this call, as described in the guide for proposers. Proposals for this service will not be accepted later than 3 May 1999.

6. In all correspondence relating to this call (for example when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

In submitting a proposal, either on paper or electronically, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and the European Commission regulation for implementing them, Member States and associated States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RT actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Atomic Energy Community pursues an equal opportunities policy and, in this context, women are particularly encouraged to either submit proposals or to participate in their submission.

⁽¹⁾ For courier services that require a telephone number for the recipient, please use: (32-2) 296 02 45.

Second call for proposals for RT actions under the specific programme for research and training (Euratom) in the field of nuclear energy (1998 to 2002)

(Key action 2: Nuclear fission)

(1999/C 77/10)

1. In accordance with Council Decision 1999/64/ Euratom of 22 December 1998 concerning the fifth framework programme of the European Atomic Energy Community for research and training (1998 to 2002) (1) (hereinafter referred to as the fifth framework programme), and with Council Decision 1999/175/Euratom of 25 January 1999 adopting a research and training programme (Euratom) in the filed of nuclear energy (1998 to 2002) (2) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RT actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RT priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget and types of indirect RT actions referred to in this call notice correspond to those set out in the work programme.

- 2. This call relates to proposals, specified in point 4 of this call, called by a fixed deadline following which evaluation will take place. Proposals not having met this deadline will not be considered under this call notice.
- 3. The specific programme is implemented notably through indirect RT actions as provided for in Annexes II and III of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework programme, the specific programme, the Council Decision 1999/66/Euratom of 22 December 1998 concerning the rules for the participation of undertakings, research centres and universities in the implementation of the fifth framework programme of the European Atomic Energy Community (Euratom) (1998 to 2002) (4) (hereinafter referred to as the rules for participation), and the work programme.

Information on these rules and on how to prepare and submit proposals is given in the guide for proposers, which can be obtained, along with the work programme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission, Nuclear Energy Information Desk, MO75 5/43, Rue de la Loi/Wetstraat 200, B-1049 Brussels;

E-mail: giuseppe.cottone@dg12.cec.be Fax (32-2) 295 49 91 Web:

http://www.cordis.lu/fp5-euratom/calls/calls.htm

4. Those eligible to participate in indirect RT actions (shared cost, concerted actions and thematic networks) under the specific programme, are hereby invited to submit proposals that address the following parts of the work programme:

Key Action 2: Nuclear fission

- 2.1. Operational safety of existing installations
 - plant life extension and management
 - evolutionary concepts
- 2.2. Safety of the fuel cycle
 - waste and spent fuel management and disposal
 - partitioning and transmutation
 - decommissioning of nuclear installations
- 2.3. Safety and efficiency of future systems
 - innovative and revisited concepts
- 2.4. Radiation protection
 - risk assessment and management

⁽¹⁾ OJ L 26, 1.2.1999, p. 34.

⁽²⁾ OJ L 64, 12.3.1999, p. 142.

⁽³⁾ European Commission Decision C(1999) 616.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 56.

- monitoring and assessment of occupational exposure
- off-site emergency management
- restoration and long-term management of contaminated environments

Indicative budget: EUR 63 million

Deadline: 4 October 1999 (please see point 5)

- 5. Proposals must be submitted before or on the deadline applicable to that type of indirect action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

courier (¹) or hand-delivered before 5 p.m.
 (Brussels local time), as confirmed by acknowledgement of receipt, to:

European Commission, The Research Proposal Office, Square Frère Orban 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. The first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the applicalbe deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline. Proposals sent by courier service or hand-delivered must be received before or on the deadline.

Proposers are requested to use only one of the methods, described above, by which to submit proposals, and to only submit one version of any given proposal. In the case of an eligible proposal being received in both paper and electronic formats, only the electronic version will be evaluated.

The Commission will offer a pre-proposal check service for this call, as described in the guide for proposers. Proposals for this service will not be accepted later than 24 August 1999.

6. In all correspondence relating to this call (for example when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

In submitting a proposal, either on paper or electronically, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and the European Commission regulation for implementing them, Member States and associated States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RT actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Atomic Energy Community pursues an equal opportunities policy and, in this context, women are particularly encouraged to either submit proposals or to participate in their submission.

⁽¹⁾ For courier services that require a telephone number of the recipient, please use: (32-2) 296 02 45.

Open call for proposals for RT actions under the specific programme for research, and training (Euratom) in the field of nuclear energy (1998 to 2002)

(1999/C 77/11)

1. In accordance with Council Decision 1999/64/Euratom of 22 December 1998, concerning the fifth framework of the European Atomic Energy Community for research and training (1998 to 2002) (1) (hereinafter referred to as the fifth framework programme), and with the Council Decision 1999/175/Euratom of 25 January 1999 adopting a research and training programme (Euratom) in the field of nuclear energy (1998 to 2002) (2) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RT actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RT priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget and types of indirect RT actions referred to in this call notice correspond to those set out in the work programme.

2. This call relates to proposals, specified in point 4 of this call, called under a continuous submission scheme, under which, depending on the type of indirect RT actions submitted, proposals will be evaluated at fixed intervals (for which deadlines for receipt are provided).

Details of the types of indirect action, and, where applicable, their associated deadlines for receipt, are specified under point 4 of this call notice. Proposals under this scheme may be submitted at any time up to the date of closure of the scheme.

3. The specific programme is implemented notably through indirect RT actions as provided for in Annexes II and III of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework

takings, research centres and universities in the implementation of the fifth framework programme of the European Atomic Energy Community (Euratom) (1998-2002) (4) (hereinafter referred to as the rules for participation), and the work programme.

Information on these rules and on how to prepare

programme, the specific programme, the Council

Decision 1999/66/Euratom of 22 December 1998

concerning the rules for the participation of under-

and submit proposals is given in the guide for propsers, which can be obtained, along with the work propgramme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission, Nuclear Energy Information Desk, MO75 5/43, Rue de la Loi/Wetstraat 200, B-1049 Brussels;

E-mail: giuseppe.cottone@dg12.cec.be Fax (32-2) 295 49 91 Web: http://www.cordis.lu/fp5-euratom/calls/calls.htm

4. Those eligible to participate in indirect RT actions (shared costs, concerted actions and thematic networks) under the specific programme, are hereby invited to submit proposals that address the following parts of the work programme.

See the Annex to the present call.

- 5. Proposals must be submitted before or on the deadline applicable to that type of indirect action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

⁽¹⁾ OJ L 26, 1.2.1999, p. 34.

⁽²⁾ OJ L 64, 12.3.1999, p. 142.

⁽³⁾ European Commission Decision C(1999) 616.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 56.

 courier (¹) or hand-delivered before 5 p.m. (Brussels local time), as confirmed by acknowledgement of receipt, to:

European Commission, The Research Proposal Office, Square Frère Orban 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. This first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the applicable deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline.

Proposals sent by courier service or hand-delivered must be received before or on the deadline.

Proposals submitted under the continuous submission scheme which are not received before or on a given deadline for receipt, will be evaluated after the next deadline for receipt. Proposers are requested to use only one of the methods, described above, by which to submit proposals, and to only submit one version of any given proposal. In the case of an eligible proposal being received in both paper and electronic formats, only the electronic version will be evaluated.

The Commission will offer a pre-proposal check service for this call, as described in the guide for proposers. Proposals for this service will not be accepted later than six weeks before the cut-off dates indicated in the Annex.

6. In all correspondence relating to this call (eg, when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

In submitting a proposal, either on paper or electronically, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and the European Commission regulation for implementing them, Member States and associated States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RT actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Atomic Energy Community pursues an equal opportunities policy and, in this context, women are particularly encouraged to either submit proposals or to participate in their submission.

⁽¹⁾ For courier services that require a telephone number of the recipient, please use: (32-2) 296 02 45

NNEX	

Type of activity	Indicative budget per activity (¹) (²) (EUR millions)			(2)	Proposals will be evaluated by batches according to the following cut-off-dates (
······································	1999 2000 2001 2002		2002			
Research and technological development of a generic nature (*)						
Radiation protection and health					17.6.1999, 22.1.2001, 21.1.2002	
Environmental transfer of radioactive material	12	10	8	4	4.10.1999, 22.1.2001, 21.1.2002	
Industrial and medical uses and natural sources of radiation						
Internal and external dosimetry						
Support for research infrastructures						
Large scale facilities						
Networking	1	4	2	1	17.6.1999 (5), 4.10.1999 (6), 22.1.2001, 21.1.2002	
Data bases and tissue banks						
Training						
Individual fellowships (Marie Curie) Applicable to the whole programme (fusion and fission)					17.6.1999, 12.1.2000, 14.6.2000 10.1.2001, 13.6.2001, 9.1.2002	
Special training courses (7)	2	3	2	2		
Research training networks]				4.10.1999, 27.3.2000, 25.9.2000 26.3.2001, 24.9.2001, 25.3.2002	
Cooperation with third countries						
Accompanying measures						
Supporting studies; exchange of information, conferences, seminars, workshops, scientific and technical meetings; dissemination, communication and exploitation activities; support to research players, including SMEs	0,2	0,3	0,3	0,3	17.6.1999 (*), 4.10.1999 (*), 27.3.2000 25.9.2000, 26.3.2001, 24.9.2001, 25.3.2002	
(I) (A.1)	٠.		2.11.6	1	+	

⁽¹⁾ Subject to budgetary availability and the Commission reserving the right not to commit the total budget available for each call.

⁽²⁾ Indicative should be interpreted as implying a range of about 20 % around the indicated value.

⁽³⁾ Contracts for successful proposals will, typically, be in place within six months of the submission deadline.

⁽⁴⁾ Shared cost actions (see Annex III of the Framework Programme) will be the principal implementation mechanism together with support for thematic networks and concerted actions.

⁽⁵⁾ Applicable only to the item 2.1 of the key action and the item 'radiation protection and health' within RTD of a generic nature.

(6) Applicable to the whole programme except for item 2.1 of the key action and the item 'radiation protection and health' within RTD of a generic nature.

⁽⁷⁾ Limited to nuclear fission key action and generic research.

Call for proposals for indirect RTD actions under the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development (1998 to 2002)'

(Part A: Environment and sustainable development)

(1999/C 77/12)

1. In accordance with Decision No 182/1999/EC of the European Parliament and of the Council of 22 December 1998 concerning the fifth framework programme of the European Community for research, technological development and demonstration (1998 to 2002) (¹) (hereinafter referred to as the fifth framework programme), and with the Council Decision 1999/170/EC of 25 January 1999 adopting the specific programme for research, technological development and demonstration of 'Energy, environment and sustainable development' (1998 to 2002) (²) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RTD actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RTD priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget and types of indirect RTD actions referred to in this call notice correspond to those set out in the work programme.

2. This call relates to:

- proposals, specified under part 1 of point 4 of this call, called by a fixed deadline following which evaluation will take place. Proposals not having met this deadline will not be considered under this call notice;
- proposals, specified under part 2 of point 4 of this call, called under a continuous submission scheme, under which, depending on the type of indirect RTD action submitted, proposals will be evaluated at fixed intervals (for which deadlines for receipt are provided).

Details of the types of indirect actions, and, where applicable, their respective deadlines for receipt, are specified under part 2 of point 4 of this call notice. Proposals under this scheme may be submitted at any time up to the date of closure of the scheme.

3. The specific programme is implemented notably through indirect RTD actions as provided for in Annexes II and IV of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework programme, the specific programme, Council Decision 1999/69/EC of 22 December 1998, concerning the rules for the participation of undertakings, research centers and universities and for the dissemination of research results for the implementation of the fifth framework programme (4) (hereinafter referred to as the rules for participation and dissemination), and the work programme.

Information on these rules and on how to prepare and submit proposals is given in the guide for proposers, which can be obtained, along with the work programme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission E-mail: eesd@dg12.cec.be Fax (32-2) 296 30 24

Web: http://www.cordis.lu/home.html

4. Those eligible to participate in indirect RTD actions under the specific programme are hereby invited to submit proposals that address the following parts of the work programme:

PART 1

Proposals called by a fixed deadline (shared-cost actions, thematic networks and concerted actions)

Deadline: 15 June 1999

Key action 1 'Sustainable management and quality of water'

1.1. Integrated management and sustainable use of water resources at catchment scale

⁽¹⁾ OJ L 26, 1.2.1999, p. 1.

⁽²⁾ OJ L 64, 12.3.1999, p. 58.

⁽³⁾ European Commission Decision C(1999) 606.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 46.

- 1.1.1. Strategic planning and integrated management methodologies and tools at catchment scale
- 1.1.2. Socio-economic aspects of sustainable use of water
- 1.1.3. Operational management schemes and decision support systems
- 1.2. Ecological quality of freshwater ecosystems and wetlands
 - 1.2.1. Ecosystem functioning
 - 1.2.2. Ecological quality targets
- 1.4. Pollution prevention
 - 1.4.1. Abatement of water pollution from contaminated land, landfills and sediments
 - 1.4.2. Combating diffuse pollution

Indicative budget available of Community contribution for 1999: EUR 62,5 to 66,7 million.

Key action 2 'Global change, climate and biodiversity'

- 2.1. To understand, detect, assess and predict global change processes
 - 2.1.1. Atmospheric composition change
 - 2.1.2. Stratospheric ozone depletion
 - 2.1.3. Climate change prediction and scenarios
- 2.2. To foster better understanding of terrestrial (including freshwater) and marine ecosystems and their interactions
 - 2.2.2. Interactions between ecosystems and the carbon and nitrogen cycles
 - 2.2.3. Assessing an conserving biodiversity
- 2.3. Scenarios and strategies for responding to global issues
 - 2.3.1. Mitigation and adaptation to global change

- 2.4. European component of the global observing systems
 - 2.4.1. Better exploitation of existing data and adaptation of existing observing systems

Indicative budget available of Community contribution for 1999: EUR 70,8 to 75 million.

Key action 3 'Sustainable marine ecosystems'

- 3.1. Improved knowledge of marine processes, ecosystems and interactions
 - 3.1.1. Better assessment of naturally occurring mechanisms of ecosystem functioning
 - 3.1.2. Assessment of sedimentary systems for the sustainable management and use of the shelf, slope and deep-sea floor
- 3.2. Reducing the anthropogenic impact on biodiversity and the sustainable functioning of marine ecosystems, and facilitating the development of safe, economic and sustainable exploitation technologies
 - 3.2.1. Reversing the trend in loss of marine biodiversity
 - 3.2.2. Reducing the effects of anthropogenic activities on the marine environment and recovering degraded marine systems
- 3.3. Monitoring and managing coastal processes and the coastal zone
 - 3.3.1. Integrated studies on land-ocean interaction

Indicative budget available of Community contribution for 1999: EUR 27,1 to 31,3 million.

Key action 4 'City of tomorrow and cultural heritage'

- 4.1. Sustainable city planning and rational resource management
 - 4.1.1. Improving urban governance and decision making

- 4.2. Protection, conservation and enhancement of European cultural heritage
 - 4.2.2. Development of innovative conservation strategies (networks and concerted actions only)
- 4.3. Development and demonstration of technologies for safe, economic, clean, effective and sustainable preservation, recovery, renovation, construction, dismantling and demolition of the built environment, in particular for large groups of buildings
 - 4.3.1. Revitalisation of city centres and neighbourhoods
- 4.4. Comparative assessment and cost effective implementation of strategies for sustainable transport systems in an urban environment

4.4.1. Strategic approaches and methodologies in urban planning towards sustainable urban transport

Indicative budget available of Community contribution for 1999: EUR 16,7 to 18,8 million.

Support for research infrastructures

Globale change, climate and biodiversity research facilities

Marine research facilities

Natural hazards research facilities.

Indicative budget available of Community contribution for 1999: EUR 8,3 to 10,4 million (*).

PART 2

Proposals called by a continuous submission scheme (up to the dates indicated in the table)

Type of activity	Percentages of budget available (¹) 1999	Percentage 1999-2002	Proposals will be evaluated by batches according to the following cut-off-dates (2)
RTD Activities of generic nature (3)	For available budget see roadmaps in the work programme		15.6.1999, 17.1.2000, 16.4.2001, 30.4.2002
SME measures			
Exploratory awards	Up to 4,5 %	Up to 4,5 %	14.4.1999, 15.9.1999, 12.1.2000, 26.4.2000, 13.9.2000, 17.1.2001, 18.4.2001
Cooperative research			15.9.1999, 12.1.2000, 26.4.2000, 13.9.2000, 17.1.2001, 18.4.2001, 19.9.2001, 16.1.2002, 17.4.2002
Training			
Individual fellowships	Up to 2%	Up to 2%	2.6.1999 (4), 8.9.1999 (5), 22.3.2000, 21.3.2001, 20.3.2002
Host fellowships			

^(*) The 1999 call will cover the budget for 1999 and 2000 (EUR 20,0 to 22,0 million in 2000).

Type of activity	Percentages of budget available (¹) 1999	Percentage 1999-2002	Proposals will be evaluated by batches according to the following cut-off-dates (2)
Accompanying measures (6)			
Studies, exchange of information and data, scientific and technical meetings, dissemination, exploitation and communication activities, schemes to provide information and assistance for research players	Up to 4%(')	Up to 4%(')	15.6.1999, 15.2.2000, 15.2.2001, 15.2.2002

- (1) Percentages of the total available budget for all activities.
- (²) The competent Director-General may modify the dates of the call or of the cut-off dates by one month earlier or later than initially foreseen.
- (3) See preferences for 1999 below.
- (4) Excluding Marie Curie development host fellowships and Marie Curie training sites.
- (5) Only Marie Curie development host fellowships and Marie Curie training sites.
- (*) Conferences, workshops and seminars will be treated as 'unsolicited applications for subventions' according to Annex IV of the work programme (footnote 16).
- (7) Including advanced study courses and Enrich (Enrich would be subject of a dedicated call in November 1999 with a deadline in February 2000).

SME specific measures (i.e., exploratory awards, cooperative research) are implemented through the continuous submission scheme of this call. More information on this can be obtained through the SME Helpdesk (website: www.cordis.lu/sme; email: sme@cec.be; Fax (32-2) 295 71 10).

When submitting a proposal for an RTD project, a demonstration project, a combined project, or a concerted action, proposers may include an application for a bursary for young researcher from developing countries. Further information on this scheme is given in the guide to proposers.

RTD activities of a generic nature

Preferences will be given in 1999 to proposals relating to:

- (i) the fight against major natural and technological hazards
 - I.1. Natural hazards
 - I.1.1. Seismic risks
 - I.1.2. Floods and hydrological risks
 - I.2. Technological hazards
 - I.2.1. Understanding of processes

- (ii) Development of generic earth observation technologies
 - Introduce scientific results into new or existing application
 - Create favourable conditions to develop the market
- (iii) Socioeconomic aspects of environmental change in the perspective of sustainable development
 - Determining the critical relationships: assessing the environmental implications of socio-economic drivers
 - Tools and methodologies: for socio-economic and environmental impact assessment of policies, technological options, economic instruments, regulations; integrated environmental assessments
- 5. Proposals must be sent before or on the deadline (¹) applicable to that type of indirect RTD action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

⁽¹⁾ For the case of the continuous submission scheme, the date and time associated with the closure of the scheme corresponds to the deadline applicable.

 courier (¹) or hand-delivery, as confirmed by acknowledgement of receipt, at the latest at 5 p.m. (local time Brussels) to:

European Commission, The Research Proposal Office, Square Frère Orban 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. The first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the relevant deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline. Proposals sent by courier service or hand-delivered must be received before or on the deadline.

Proposals submitted under the continuous submission scheme which are not received before or on a given deadline for receipt, will be evaluated after the next deadline for receipt. Proposers are requested to use only one of the methods described above by which to submit proposals, and to submit only one version of any given proposal. In the case of an eligible proposal being received in both paper and electronic formats, only the electronic version will be evaluated.

6. In all correspondance relating to this call (for example when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

In submitting a proposal, either on paper or electronically, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and dissemination and the European Commission regulation for implementing them, Member States and associated States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RTD actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Community pursues an equal opportunities policy and, in this context, women are particularly encouraged to either submit proposals or to be involved in their submission.

⁽¹) For courier services that require a telephone number for the recipient, please use (32-2) 296 02 45.

First call for proposals for RTD actions under the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development' (1998 to 2002)

(Part B: Energy — Key actions 5 and 6)

(1999/C 77/13)

1. In accordance with Decision No 182/1999/EC of the European Parliament and of the Council of 22 December 1998 concerning the fifth framework programme of the European Community for research, technological development and demonstration (1998 to 2002) (¹) (hereinafter referred to as the fifth framework programme), and with Council Decision 1999/170/EC of 25 January 1999 adopting the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development' (1998 to 2002) (²) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RTD actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RTD priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget, and types of indirect RTD actions referred to in this call notice correspond to those set out in the work programme.

- 2. This call relates to proposals, specified under point 4 of this call, called by a fixed deadline following which evaluation will take place. Proposals not having met this deadline will not be considered under this call notice.
- 3. The specific programme is implemented notably through indirect RTD actions as provided for in Annexes II and IV of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework programme, the specific programme, Council Decision 1999/69/EC of 22 December 1998, concerning the rules for the participation of undertakings, research centres and universities and for the dissemination of research results for the implemen-

tation of the fifth framework programme (4) (hereinafter referred to as the rules for participation and dissemination), and the work programme.

Information on these rules and on how to prepare and submit proposals is given in the guide for proposers, which can be obtained, along with the work programme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission, Energy Info Desk, MO75 6/17, Rue de la Loi/Wetstraat 200, B-1049 Brussels

E-mail: helpline-energy@dg12.cec.be Fax (32-2) 296 68 82 (DG XII) (32-2) 295 05 77 (DG XVII) Web: http://www.cordis.lu/fp5/src/t-4.htm

4. Those eligible to participate in indirect RTD actions (shared cost actions, concerted actions and thematic networks) under the specific programme, are hereby invited to submit proposals that address the following parts of the work programme.

Key action 5: 'Cleaner energy systems, including renewable energies'

- 5.1. Large scale generation of electricity and/or heat with reduced CO₂ emissions from coal, biomass and other fuels, including combined heat and power
 - 5.1.1. Cleaner fuels by substitution and treatment
 - 5.1.2. More efficient energy conversion processes or cycles, including combustion efficiency
- 5.2. Development and demonstration, including for decentralised generation, of the main new and

⁽¹⁾ OJ L 26, 1.2.1999, p. 1.

⁽²⁾ OJ L 64, 12.3.1999, p. 58.

⁽³⁾ European Commission Decision C(1999) 606.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 46.

renewable energy sources, in particular, biomass, wind and solar technologies, and of fuel cells

- 5.2.1. Biomass (including waste) conversion systems
- 5.2.2. Wind energy optimisation
- 5.2.3. Cost efficient photovoltaic
- 5.2.4. Solar thermal concentrating systems
- 5.2.5. Other renewable energies
- 5.2.6. Efficient, reliable and cost effective fuel cell systems
- 5.3. Integration of new and renewable energy sources into energy systems
 - 5.3.1. Integrating renewable energy sources into the grid and stand alone systems
 - 5.3.2. Hybrid systems
 - 5.3.3. Improving the acceptability of renewables
- 5.4. Cost effective environmental abatement technologies for power production
 - 5.4.1. Reduction of local and global environment degrading emissions

Indicative budget available of Community contribution Key Action 5: EUR 95,4 million.

Key action 6: 'Economic and efficient energy for a competitive Europe'

- 6.1. Technologies for the rational and efficient end use of energy
 - 6.1.1. Spatial integration
 - 6.1.2. Building sustainability
 - 6.1.3. Efficient space heating, cooling, ventilation, lighting systems and domestic appliances, and integration of renewables into buildings
 - 6.1.5. Hybrid and electric drivelines, and energy storage and conversion devices
 - 6.1.6. Proving innovatieve public and private transport means

- 6.1.7. Efficient cross-sectoral technologies and better managed industrial processes
- 6.3. Technologies for the storage of energy on both macro and micro scale
 - 6.3.3. Intermittent storage of energy, including heat and cold storage
- 6.4. Cost effective and more efficient exploration and production of hydrocarbons
 - 6.4.3. Reduced environmental impact and improved safety in exploration and production
- 6.5. Improving the efficiency of new and renewable energy sources
 - 6.5.1. Cost effective wind turbine components
 - 6.5.2. Cost effective components for photovoltaic module systems and solar thermal concentrating systems
 - 6.5.3. Cost effective components for biomass and waste
 - 6.5.4. Other renewable energy sources
- 6.6. The elaboration of scenarios on supply and demand technologies in economy/environment/energy (E3) systems and their interactions and the analysis of the cost effectiveness (based on whole life costs) and efficiency of all energy sources
 - 6.6.1. Technological change anticipation
 - 6.6.2. Prospective and policy impact analysis
 - 6.6.3. Market changes and technology absorption

Indicative budget available of Community contribution Key Action 6: EUR 109,1 million.

Deadline Key actions 5 and 6: 15 June 1999 (please see point 5)

When submitting a proposal for an RTD project, a demonstration project, a combined project or a concerted action, proposers may include an application for a bursary for young researcher from

developing countries. Further information on this scheme is given in the guide for proposers.

- 5. Proposals must be sent before or on the deadline applicable to that type of indirect action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

courier (¹) or hand-delivered before or on 5 p.m.
 (Brussels local time), as confirmed by acknowledgement of receipt, to:

European Commission, Research Proposal Office, Square Frère Orban 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. The first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the applicable deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline. Proposals sent by courier service or hand-delivered must be received before or on the deadline. Proposers are requested to use only one of the methods, described above, by which to submit proposals, and to only submit one version of any given proposal. In the case of an eligible proposal being received in both paper and electronic formats, only the electronic version will be evaluated.

The Commission will offer a pre-proposal check service for this call, as described in the guide for proposers. Proposals for this service will not be accepted later than 3 May 1999.

6. In all correspondence relating to this call (for example, when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

In submitting a proposal, either on papaer or electronially, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and dissemination and the European Commission regulation for implementing them, Member States and associated States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RTD actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Commission pursues an equal opportunities policy and, in this context women are particularly encouraged to either submit proposals or to be involved in their submission.

⁽¹⁾ For courier services that require a telephone number for the recipient, please use (32-2) 296 02 45.

Second call for proposals for RTD actions under the specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development' (1998 to 2002)

(Part B: Energy — Key actions 5 and 6)

(1999/C 77/14)

1. In accordanced with Decision No 182/1999/EF of the European Parliament and of the Council of 22 December 1998 concerning the fifth framework programme of the European Community for research, technological development and demonstration (1998 to 2002) (¹) (hereinafter referred to as the fifth framework programme) and with Council Decision 1999/170/EC of 25 January 1999, adopting a specific programme for research, technological development and demonstration on 'Energy, environment and sustainable development' (1998 to 2002) (²) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RTD actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RTD priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget, and types of indirect RTD actions referred to in this call notice correspond to those set out in the work programme.

- This call relates to proposals, specified under point 4
 of this call, called by a fixed deadline following which
 evaluation will take place. Proposals not having met
 this deadline will not be considered under this call
 notice.
- 3. The specific programme is implemented notably through indirect RTD actions as provided for in Annexes II and IV of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework programme, the specific programme, Council Decision 1999/65/EC of 22 December 1998 concerning the rules for the participation of undertakings, research centres and universities and for the dissemination of research results for the implementation of the fifth framework programme (4) (hereinafter referred to as the rules for participation and dissemination), and the work programme.

Information on these rules and on how to prepare and submit proposals is given in the guide for proposers, which can be obtained, along with the work programme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission, Energy Info Desk, MO75 6/17, Rue de la Loi/Wetstraat 200, B-1049 Brussels;

E-mail: helpline-energy@dg12.cec.be Fax (32-2) 296 68 82 (DG XII) (32-2) 295 05 77 (DG XVII)

Web: http://www.cordis.lu/fp5/src/t-4.htm

4. Those eligible to participate in indirect RTD actions (shared cost actions, concerted actions and thematic networks) under the specific programme, are hereby invited to submit proposals that address the following parts of the work programme.

Key action 5: 'cleaner energy systems, including renewable energies'

- 5.1. Large scale generation of electricity and/or heat with reduced CO₂ emissions from coal, biomass and other fuels, including combined heat and power
 - 5.1.3. More energy efficient gas turbines
 - 5.1.4. Optimisation of CHP systems

Key action 6: 'Economic and efficient energy for a competitive Europe'

- 6.1. Technologies for the rational and efficient end use of energy
 - 6.1.4. Transport combustion optimisation with cleaner hydrocarbon and alternative transport fuels
- 6.2. Technologies for the transmission and distribution of energy

⁽¹⁾ OJ L 26, 1.2.1999, p. 1.

⁽²⁾ OJ L 64, 12.3.1999, p. 58.

⁽³⁾ European Commission Decision C(1999) 606.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 46.

- 6.2.1. Assuring electric power flow reliability and stability and increasing power line efficiency
- 6.2.2. Interconnection and load shaping
- 6.2.3. More efficient and safer transport of gas
- 6.2.4. Cost effective heating and cooling distribution
- 6.3. Technologies for the storage of energy on both macro and micro scale
 - 6.3.1. Optimising power quality, by means of energy storage, for stand-alone renewable and hybrid systems and for transport
 - 6.3.2. Stability related electrical energy storage
 - 6.3.4. Safer, lighter and more energy-efficient gas storage
 - 6.3.5. Reliable high capacity microstorage
- 6.4. More efficient exploration, extraction and production technologies for hydrocarbons
 - 6.4.1. Cost effective and more efficient exploration and production of hydrocarbons
 - 6.4.2. Deepwaters, marginal fields and new frontiers including Arctic

Indicative budget available of Community contribution Key actions 5 and 6: EUR 220 million.

Deadline Key actions 5 and 6: 4 October 1999 (please see point 5).

When submitting a proposal for an RTD project, a demonstration project, a combined project or a concerted action, proposers may include an application for a bursary for young researcher from developing countries. Further information on this scheme is given in the Guide for Proposers.

- 5. Proposals must be sent before or on the deadline applicable to that type of indirect action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

courier (¹) or hand-delivered before 5 p.m.
 (Brussels local time), as confirmed by acknowledgement of receipt, to:

European Commission, The Research Proposal Office, Square Frère-Orban 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. The first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the applicable deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline. Proposals sent by courier service or hand-delivered must be received before or on the deadline.

Proposers are requested to use only one of the methods, described above, by which to submit proposals, and to only submit one version of any given proposal. In the case of an eligible proposal being received in both paper and electronic formats, only the electronic version will be evaluated.

The Commission will offer a pre-proposal check service for this call, as described in the guide for proposers. Proposals for this service will not be accepted later than 24 August 1999.

6. In all correspondence relating to this call (for example when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

⁽¹⁾ For courier services that require a telephone number for the recipient, please use (32-2) 296 02 45.

In submitting a proposal, either on paper or electronically, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and dissemination and the European Commission regulation for implementing them, Member States and associated

States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RTD actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Community pursues an equal opportunities policy and, in this context, women are particularly encouraged to either submit proposals or to be involved in their submission.

Open call for proposals for RTD actions under the specific programme for research, technological development and demonstration on 'energy, environment and sustainable development' (1998 to 2002)

(Part B: Energy)

(1999/C 77/15)

1. In accordance with Decision No 182/1999/EC of the European Parliament and of the Council of 22 December 1998 concerning the fifth framework programme of the European Community for research, technological development and demonstration 1998 to 2002 (¹) (hereinafter referred to as the fifth framework programme), and with Council Decision 1999/170/EC of 25 January 1999 adopting a specific programme for research, technological development and demonstration on 'energy, environment and sustainable development (1998 to 2002)' (²) (hereinafter referred to as the specific programme), the European Commission hereby invites proposals for indirect RTD actions under the specific programme.

In conformity with Article 5 of the specific programme, a work programme (3), specifying detailed objectives and RTD priorities and an indicative timetable for their implementation, was drawn up by the European Commission to serve as the basis for implementing the specific programme. The objectives, priorities, indicative budget, and types of indirect RTD actions referred to in this call notice correspond to those set out in the work programme.

2. This call relates to proposals, specified under point 4 of this call, called under a continuous submission scheme, under which, depending on the type of indirect action submitted, will be evaluated at fixed intervals (for which deadlines for receipt are provided).

Details of the types of indirect action, and their respective deadlines for receipt, are specified under Point 4 of this call notice. Proposals under

this scheme may be submitted at any time up to the date of closure of the scheme.

3. The specific programme is implemented notably through indirect RTD actions as provided for in Annexes II and IV of the fifth framework programme and in Annex III of the specific programme.

Evaluation and selection criteria and modalities relevant to this call are given in the fifth framework programme, the specific programme, Council Decision 1999/65/EC of 22 December 1998 concerning the rules for the participation of undertakings, research centres and universities and for the dissemination of research results for the implementation of the fifth framework programme (4) (hereinafter referred to as the rules for participation and dissemination), and the work programme.

Information on these rules and on how to prepare and submit proposals is given in the guide for proposers, which can be obtained, along with the work programme and other information relating to this call, from the European Commission using one of the following addresses:

European Commission, Energy Info Desk, MO75 6/17, Rue de la Loi/Wetstraat 200, B-1049 Brussels;

E-mail: helpline-energy@dg12.cec.be Fax (32-2) 296 68 82 (DG XII) (32-2) 295 05 77 (DG XVII)

Web: http://www.cordis.lu/fp5/src/t-4.htm

⁽¹⁾ OJ L 26, 1.2.1999, p. 1.

⁽²) OJ L 64, 12.3.1999, p. 58.

⁽³⁾ European Commission Decision C(1999) 606.

⁽⁴⁾ OJ L 26, 1.2.1999, p. 46.

4. Those eligible to participate in indirect RTD actions under the specific programme, are hereby invited to submit proposals that address the following parts of the work programme.

See the Annex to the present call.

When submitting a proposal for an RTD project, a demonstration project, a combined project or a concerted action, proposers may include an application for a bursary for young researcher from Developing Countries. Further information on this scheme is given in the Guide for Proposers (only for generic activities).

SME specific measures (i.e. exploratory awards, co-operative research) are implemented through the continuous submission scheme of this call. More information on this can be obtained through the SME Helpdesk (Website: www.cordis.lu/sme; e-mail: sme@cec.be; fax: (32-2) 295 71 10).

Relating to the OPET Network Accompanying Measure (see point 'Coordination with horizontal activities' in Annex II to the work programme), two fixed deadlines are set, 15 June 1999 and 15 February 2001. A Special Brochure with detailed information will be sent upon request.

- 5. Proposals must be sent before or on the deadline (¹) applicable to that type of indirect action by one of the following methods:
 - post, preferably registered, as confirmed by the postmark, to:

European Commission, The Research Proposal Office (ORBN 8), Rue de la Loi/Wetstraat 200, B-1049 Brussels;

— courier (2) or hand-delivered before 5 p.m. (Brussels local time), as confirmed by acknowledgement of receipt, to:

European Commission, The Research Proposal Office, Square Frère-Orban 8, B-1000 Brussels;

— electronic submission, the details of which are given in the guide for proposers. When packaging a proposal for electronic submission, two files are created. The first is a small validation file which provides basic information on the proposal and a unique identification code. This validation file must be received by the European Commission before or on the deadline specified above. The second file contains the proposal and must be received unmodified, as verifiable from the unique identification code, not later than 48 hours after this deadline.

Proposals sent by post must be posted before or on the applicable deadline. Proposals received by the European Commission up to 10 working days after this deadline will be accepted if both sent by post and clearly postmarked before or on the deadline. Proposals sent by courier service or hand-delivered must be received before or on the deadline.

Proposals submitted under the continuous submission scheme which are not received on or before a given deadline for receipt, will be evaluated after the next deadline for receipt.

Proposers are requested to use only one of the methods, described above, by which to submit proposals, and to only submit one version of any given proposal. In the case of an eligible proposal being received in both paper and electronic formats, only the electronic version will be evaluated.

The Commission will offer a pre-proposal check service for this call, as described in the guide for proposers. Proposals for this service will not be accepted later than six weeks before the cut-off-dates indicated in the Annex.

6. In all correspondence relating to this call (for example when requesting information, or submitting a proposal) please make sure to cite the applicable call identifier.

In submitting a proposal, either on paper or electronically, proposers accept the procedures and conditions as described in this call and in the documents to which it refers.

All proposals received by the European Commission will be treated in strict confidence.

According to the rules for participation and dissemination and the European Commission regulation for implementing them, Member States and associated States may have access, on presentation of a reasoned request, to useful knowledge which is relevant to policy-making. This knowledge must have been generated by those RTD actions supported as a result of this call and which addressed a part of the work programme specified as eligible for such access.

The European Community pursues an equal opportunities policy and, in this context, women are particularly encouraged to either submit proposals or to be involved in their submission.

⁽¹⁾ For the case of the continuous submission scheme, the date associated with the closure of the scheme corresponds to the deadline applicable.

⁽²⁾ For courier services that require a telephone number for the recipient, please use (32-2) 296 02 45.

ANNEX

Type of activity			ive budget av EUR millions	Proposals will be evaluated by batches according to the following cut-off-dates		
	1999	9 2000 2001 2002			1999-2002	
RTD Activities of a Generic Nature (1)	3,3	11,3			14,6	15.6.1999, 17.1.2000, 16.4.2001, 30.4.2002
SME Measures (6)						
Exploratory awards	Up to 9,3	Up to 34,5			Up to 43,8	14.4.1999, 15.9.1999, 12.1.2000, 26.4.2000, 13.9.2000, 17.1.2001, 18.4.2001
Cooperative research	7,3				43,0	15.9.1999, 12.1.2000, 26.4.2000, 13.9.2000, 17.1.2001, 18.4.2001, 19.9.2001, 16.1.2002, 17.4.2002
Training (6)						
Individual fellowships	Up to		Up to 15,3		Up to	2.6.1999 (²), 8.9.1999 (³),
Host fellowships	4,2	Op to 13,3		19,5	22.3.2000, 21.3.2001, 20.3.2002	
Accompanying Measures (6)						
Studies, exchange of information and data, scientific and technical meetings, dissemination, exploitation and communication activities, schemes to provide information and assistance for research players	Up to 12,5 (*)		Up to 46,0		Up to 58,5 (4)	15.6.1999 (*), 15.2.2000, 15.2.2001 (*), 15.2.2002

- (1) See preferences for 1999 set out in work programme.
- (2) Excluding Marie Curie development host fellowships and Marie Curie training sites.
- (3) Only Marie Curie development host fellowships and Marie Curie training sites.
- (4) Including advanced study courses, OPET.
- (5) For OPET only the first and the third cut-off-dates are applicable.
- (*) The indicative budget available for these horizontal activities must be deduced from the indicative budget available for Key Actions 5 and 6.