

**CALL FOR PROPOSALS FOR PROJECTS AND SUPPORTING ACTIVITIES IN THE
SCOPE OF THE PREPARATORY ACTION ON “THE ENHANCEMENT OF THE
EUROPEAN INDUSTRIAL POTENTIAL IN THE FIELD OF SECURITY RESEARCH”**

Activity: Security Research
Call identifier: PASR-2004
(2004/C/...)

1. The Commission of the European Communities (referred to as the Commission) has adopted on 3rd February 2004 a Decision¹ and Communication (2004)72 on the implementation of the Preparatory Action on the enhancement of the European industrial potential in the field of Security research, Towards a programme to advance European security through Research and Technology (referred to as Decision on and Communication (2004)72 on the Preparatory Action).

2. Natural or legal persons fulfilling the conditions stated in the annex of the Decision on the Preparatory Action and that do not fall under any of the exclusion cases in Article 114(2) of the Council Regulation (EC, Euratom) No 1605/2002 of 25 June 2002 on the Financial Regulation applicable to the general budget of the European Communities² (referred to as the proposers) are invited to submit to the Commission proposals for projects and supporting activities subject to the procedures defined in the Communication/Decision and in this call being fulfilled.

The European Community has adopted an equal opportunities policy and, on this basis, women are particularly encouraged to either submit proposals for projects and supporting activities or participate in the submission of proposals for projects and supporting activities.

3. The present call for proposals for projects and supporting activities comprises the present general part and the specific conditions that are described in Annex.

The Annex indicates in particular, the date of closure for the submission of proposals for projects and supporting activities, an indicative date for the completion of the evaluations, the indicative budget, the programme of work, the evaluation criteria for the evaluation of proposals for projects and supporting activities, the minimum number of participants, and any applicable restrictions.

4. The Commission makes available to proposers a Vade-mecum relating to the call which contains information on the preparation and the submission of a proposal for a project or supporting activity. The Information Package, including the Vade-mecum, the Communication (2004)72 and the Decision on the Preparatory Action as well as financial schemes and any other information relating to this call, can be obtained from the Commission via the following addresses:

¹ Commission Decision C(2004)249, unpublished

² OJ L 248, 16.9.2002, p.1

European Commission
The Preparatory Action in the field of Security Research Information Desk
Directorate General Research
JII-79 0/01
B-1049 Brussels
E-mail address: rtd-pasr@cec.eu.int
Internet address: <http://www.cordis.lu/security>

5. Proposals for projects and supporting activities are submitted on paper using the forms in the Vademecum. Six (6) paper copies must be submitted of each proposal wrapped into one package. Non-compliance with this requirement will render a proposal ineligible.

Proposals for projects and supporting activities which are incomplete³ will be ineligible.

Proposals for projects and supporting activities submitted by e-mail or by fax will be ineligible.

6. Proposals for projects and supporting activities must be received by the Commission at the following address, and labelled as follows:

‘Preparatory Action — Security Research Proposal’
Call identifier: PASR-2004
European Commission
Directorate General Research
B-1049 Brussels.

For deliveries by hand or by representatives (including by private courier⁴), the delivery should be to the following address, and labelled as follows:

‘Preparatory Action — Security Research Proposal’
Call identifier: PASR-2004
European Commission
Rue de Genève/Genèvestraat 1
B-1140 Brussels.

7. Proposals for projects and supporting activities have to reach the Commission at the latest on the closure date and at the time specified in the call concerned. Proposals for projects and supporting activities arriving after this date and time will be ineligible.

³ All proposals must contain two parts: the forms (part A) and the content (part B) included in the Vademecum

⁴ Users of courier services that ask for the recipient's telephone number should give the following number: +32-2-299-5180

8. Proposals for projects and supporting activities which do not respect the minimum number of participants as set out in the Annex will be ineligible.

9. Proposals for projects and supporting activities which include information classified as EU Confidential/EU Secret/EU Top Secret will be ineligible.

10. Ineligible proposals will be excluded from the evaluation.

11. In the case of submissions of successive versions of a proposal, the Commission will examine the last version received before the closure date and time specified in this call.

12. In all correspondence relating to this call (eg, when requesting information, or submitting a proposal for projects and supporting activities), proposers are invited to cite the call identifier (PASR-2004).

ANNEX

1. **Preparatory Action:** Enhancement of the European Industrial potential in the field of security research

2. **Activity:** security research

3. **Call title:** Call 1 of the Preparatory Action on the enhancement of the European industrial potential in the field of security research

4. **Call identifier:** PASR-2004

5. **Date of publication:** 03.04.2004.

6. **Closure date:** 23.06.2004 at 16.00 (Brussels local time)

7. **Total indicative budget:** EUR 13 million (6-8 projects and some supporting activities)

8. Financial schemes:

For projects:

The following table indicates the maximum rates of Community financial contribution for the projects in function of the schemes. .

Maximum reimbursement rates of eligible costs	Industrial Research	Pre-Competitive Development Activities	Management of the activities
Projects	up to 75%	up to 50%	100% (up to 7% of the contribution)

For supporting activities:

The grants allocated for supporting activities shall reimburse up to 75% of the eligible costs, which may include up to 10% of the total contribution for management activities.

9. **Duration:** Projects should have a duration between one and two years. Supporting activities should have a duration between six months and three years.

10. Minimum number of participants:

Type of activity	Minimum number
Projects	Two independent legal entities from different Member States (EU-25)
Supporting activities	One single participant

11. **Restriction to participation:** Participants should be established in EU-25⁵.

12. **Classified information:** All information included in the proposals will be treated EU restricted. Proposals including information classified as EU Confidential /EU Secret/ EU Top Secret will be ineligible.

13. **Evaluation procedure and criteria:** see the section on Evaluation in paragraph 3 of the annex to the Decision on the Preparatory Action

14. **Indicative evaluation and selection delays:** evaluation results: 2 months after the closure date.

15. **Further information:**

The Preparatory Action in the field of security research Information Desk

Email: rtd-pasr@cec.eu.int

Phone: +32-2-299-5180

Fax: +32-2-298-8022

Web: <http://www.cordis.lu/security>

16. **Programme of Work**

The Programme of work takes a mission-oriented approach. The activities are defined as collaborative multi-disciplinary, multi-stakeholder projects that will strive for a broad, strategic perspective in considering the topic areas addressed but give tangible outcomes that will provide the basis for the future Security Research Programme.

The activities will stimulate the integration of a critical mass of technologies, knowledge and resources to provide validated solutions to the specific security challenges identified.

They will also explore and foster the conditions necessary to create an environment favourable to the enhancement of European scientific, technological and industrial capabilities in the field of security-related research.

The activities take account of the ongoing legislative and regulatory initiatives taken at Community level in different areas such as justice and interior affairs, taxation and customs, external relations, transport and energy, agriculture, health and others, aiming at supporting technologies and concepts. Related programmes need to be considered in order to complement these activities and avoid any unnecessary duplication of work and ongoing standardisation work must be taken into account.

⁵ In exceptional cases and over and above the minimum number of participants, legal entities established in a third country or international organisations may participate. In such cases, a Community financial contribution may be exceptionally provided. Involvement from third countries will be subject to arrangements of a reciprocal nature with that country.

16.1 Principles and criteria

The activities should support EU policies and initiatives and be consistent with EU policies and values, especially addressing the major concerns of EU citizens with respect to security and privacy as well as those of common interest to Europe in a global context. They should respect certain broader **principles**:

- i. The relevance of the activities to the objectives of the Preparatory Action and the potential to contribute tangible and demonstrable improvements in security that can be brought to “maturity” within the timeframe of the Preparatory Action;
- ii. The stimulation of market conditions and innovative mechanisms to create opportunities for European industry to gain a comparative advantage;
- iii. The ability of the consortium to carry out the activities successfully, and to ensure the management of the intellectual property and where applicable, the proper treatment of classified information;
- iv. The building of sustainable and effective partnerships, networks and working methodologies between (public) users, industry and research organisations.

Each proposal will be assessed on the basis of the following **criteria**:

- i. Relevance of the proposal to the Programme of Work of the Preparatory Action;
- ii. Reinforcement of the competitiveness for European industry and potential for exploitation;
- iii. Scientific and/or technological excellence and contribution to tangible and demonstrable improvements in security;
- iv. Building of effective partnerships between (public) users, industry and research;
- v. Ability of the consortium to carry out the project successfully and to ensure its efficient management, including the ability to protect classified information if necessary, and clear plans for the management of intellectual property.

16.2. Priority missions

The activities subject to grants in the context of the Preparatory Action will be projects and supporting activities addressing the **priority missions** indicated below, wherever needed and appropriate in co-ordination with the relevant standardisation work of the European standards organisations.

- i. Improving situation awareness;
- ii. Optimising security and protection of networked systems;

- iii. Protecting against terrorism (including bio-terrorism and incidents with biological, chemical and other substances);
- iv. Enhancing crisis management (including evacuation, search and rescue operations, active agents control and remediation);
- v. Achieving interoperability and integrated systems for information and communication.

16.3 Projects

A. Improving situation awareness

Aim: to identify the main threats that could affect Europe, particularly land and sea borders and assets of global interest, by appropriate information gathering, interpretation, integration and dissemination leading to the sharing of intelligence. Concepts and technologies for improved situation awareness at the appropriate levels could be developed and demonstrated.

Relevant issues for Projects:

- Demonstration of concepts, technologies and capabilities for situation awareness systems, to enhance surveillance of land and sea borders, especially supporting measures for new land borders in EU-25 and assets of global interest.
- Demonstration of the appropriateness and acceptability of tagging, tracking and tracing devices by static and mobile multiple sensors that improve the capability to locate, identify and follow the movement of mobile assets, goods and persons, including smart documentation(e.g. biometrics, automatic chips with positioning) and data analysis techniques (remote control and access).

B. Optimising security and protection of networked systems

Aim: to analyse established and future networked systems, such as communications systems, utility systems, transportation facilities, or networks for (cyber) commerce and business, with regard to the security of use, vulnerabilities, and identification of interdependencies to show how to implement protective security measures against both electronic and physical threats.

Relevant issues for Projects:

- Development of standardised methodologies and decision tools for assessing the nature of the potential threat to critical networked infrastructures and to assess the respective vulnerabilities.
- Demonstration of measures for enhanced protection and assurance of elements critical to public, private and government infrastructures to maintain security in an enlarged Europe.
- Development of detection, prevention, response and alert capabilities to strengthen information and control systems, integrating, where appropriate, the use of space-based assets as well as fixed terrestrial and wireless terrestrial systems.

C. Protecting against terrorism (including bio-terrorism and incidents with biological, chemical and other substances)

Aim: to identify and prioritise the material and information requirements of governments, agencies and public authorities in combating and protecting against terrorism and to deliver technology solutions for threat detection, identification, protection and neutralisation as well as containment and disposal of threatening substances including biological, chemical and nuclear ones and weapons of mass destruction.

Relevant issues for Projects:

- Demonstration of effective integration of active and passive sensor techniques, suitable for a wide range of platforms and data correlation techniques for detection and identification systems.
- Development of models of large scale dispersion over large areas and using multiple routes of high risk pathogens of concern (smallpox, anthrax, C. botulinum, Yersinia pestis, haemorrhagic fever viruses, Francisella tularensis and genetically modified organisms) to produce a validated model for use by public authorities.
- Demonstration of the viability of technologies and protocols for personnel, facilities and equipment decontamination against biological or chemical or other substances.
- Assessment and identification of the overall needs of an enlarged EU for biosafety level, laboratories in order to guarantee optimal complementarity and development of an effective methodology for networking.

D. Enhancing Crisis Management (including evacuation, search and rescue operations, active agents control and remediation)

Aim: to address the operational and technological issues that need to be considered from three perspectives: crisis prevention, operational preparedness and management of declared crisis.

Relevant issues for Projects:

- Development of shared information management tools and models to facilitate the efficient integration of diverse emergency and management services with attention to inter alia: organisational structures, inter-organisational co-ordination and communication; distributed architectures and human factors.

E. Achieving interoperability and integrated systems for information and Communication

Aim : to develop and demonstrate interoperability concepts for (legacy) information systems in the domain of security, enabling the linking of existing and new assets in clusters to offer improved performance and enhanced adaptive functionality. To support interoperability, system providers need to involve end-users and standardisation.

Relevant issues for Projects:

- Develop and demonstrate with existing and potential categories of users, concepts and architectures for internationally interoperable systems and standards, for example in control and command as well as communication and information exchange systems. Attention should also be given to dependability, organisational aspects, protection of confidentiality and integrity of information.

16.4 Supporting Activities

Supporting activities are called for by tendering procedure. However, in specific cases when proposers consider it relevant to develop such activities themselves and want to request a contribution from the Commission, proposals for supporting activities can be submitted under this call. A small number of supporting activities are foreseen on topics selected with a focus on RTD roadmaps, standardisation or requirement analyses, dissemination, networking and coordinating activities, relevant to the need to improve the security of the European citizen and society, such as:

- Scenario building exercises for assessing threats and perceived risk to strategic sites and assets;
- Identification of the critical areas (social, psychological, strategic, information) to reduce risks and vulnerability;
- Technical and financial feasibility studies of a European security information system (including the use of space-based assets);
- Survey of good practice in screening measures (goods and persons) in Member States, and other regions and including an evaluation of the economic viability (costs and throughput) of activities and of the transferability of systems and capabilities across the enlarged EU;
- Developing procedures and good practice to define at EU level, relevant new technologies and capacities based on the needs of various public services.