COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 18.01.2005
C(2005)259

Draft

COMMISSION DECISION

of 4th February 2005

Concerning the adoption of the Programme of Work 2005 for the Preparatory Action in the field of Security Research

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THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to

- Article 110 and Article 49(2) of the Financial Regulation N°1605/2002, prescribing that commitment of appropriations must correspond to the particular features of the preparatory action as regards the activities envisaged, the aims pursued and the persons benefited.

- Commission Communication (2003)113 final of 11 March 2003 "European Defence – Industrial and Market Issues – Towards an EU Defence Equipment Policy" and in particular Item 5; proposing to "launch a preparatory action for advanced research in the field of global security".

- Commission Decision 2004/213/EC and Communication COM(2004) 72 of 3rd February 2004 which proposes to ' launch a Preparatory Action in the field of Security Research, with a view to the establishment of a comprehensive programme after 2007'.,

Whereas:

(1)   in accordance with Article 110 of the Financial Regulation[1] and Article 166 of the detailed rules for the implementation of the Financial Regulation[2], a Programme of Work for 2005 for the implementation of the Preparatory Action on the enhancement of the European industrial potential in the field of security research, setting out the objectives, the schedule of calls for proposals with the indicative amount and the results expected should be drawn up.

(2)   In the sense of Article 75 of the Financial Regulation[3], Article 90 of the detailed rules for the implementation of the Financial Regulation[4], and Article 15 of the internal rules 2004[5], the present decision constitutes a financing decision.

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[1] Council Regulation N° 1605/2002 of 25.06.2002, OJ L248/1 of 16.09.2002
[2] Commission Regulation No 2342/2002 of 23.12.2002, OJ L357/1 of 31.12.2002
[3] cf footnote 1
[4] cf foornote 2

HAS ADOPTED THIS DECISION:

Sole Article

The Programme of Work for 2005 in annex concerning the Preparatory Action on the Enhancement of the European industrial potential in the field of security research is hereby adopted.

Done at Brussels, 4th February 2005

For the Commission
G. VERHEUGEN
Vice President of the Commission
Responsible for Enterprise and Industry

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[5] Commission Decision SEC(2004)120 of 11.03.2004

ANNEX

Programme of Work 2005

1. **INTRODUCTION**

Security, with Freedom and Justice, is one key area where Europe has a responsibility towards its citizens, its new neighbours and on the global scene. In a Union enlarged to 25 Members, exercising this responsibility is becoming an increasingly challenging task.

Security has always been an important overall issue for Europe. However, in recent years there has been a growing global awareness that security is not a permanent attribute of modern societies. The Commission therefore reviewed the situation in the Justice, Freedom and Security multi-annual programme[6] against terrorism and serious crime.

Maintaining security for citizens of Europe as well as contributing to a better world requires an active contribution of the European Union with due regard for fundamental rights and democratic accountability at EU and national level.

Currently, and with a view to the long term, the Commission, encouraged by the European Parliament, the Council, and industry[7] is implementing a "Preparatory Action on the enhancement of the European industrial potential in the field of Security Research (PASR)"[8] [9], and planning to establish a coherent European Security Research Programme (ESRP) after 2007. The Preparatory Action will support mission-oriented projects and supporting activities via calls for proposals. The details on the activities of the Preparatory Action are part of the Communication COM(2004)72 and form the basis for calls for proposals. Details for the implementation of this Preparatory Action are set out in the Commission Decision 2004/213/EC[10]. The Preparatory Action supports the various Community policies, objectives and activities [11]

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[6] European Council Conclusions of 5 November, Annex I: The Hague Programme.Strengthening Freedom Security and Justice in the European Union.

[7] European Parliament: Resolution 172 (April 2002), Presidency Conclusions of the Brussels Spring Council (21 March 2003), The Conclusions of the EU Competitiveness Council (13 May 2003), The Conclusions of the EU Thessaloniki European Council (20-21June 2003), Star 21 (Strategic Aerospace Review for the 21st century).

[8] Preparatory actions, based on article 49, point 2b of the Financial Regulation N°1605/2002 and article 32, point 2 of the Implementing Rules on the Financial Regulation (N°2342/2002), are intended to prepare proposals with a view to the adoption of future Community actions.

[9] See COM (2004) 72, adopted on 3 February 2004.

[10] Published in OJ L67 from 5.3.2004

[11] Commision Communication (2004)698 of 20 October 2004 'Prevention, preparedness and response to terrorist attacks' ; Commision Communication (2004)700 of 20 October 2004 on the Prevention and the Fight against Terrorist Financing'; Commision Communication (2004)701 of 20 October 2004 'Preparedness and Consequence Management in the Fight Against Terrorism'; Commision Communication (2004)702 of 20 October 2004 'Critical Infrastructure Protection in the Fight against Terrorism'; The EU Solidarity Programme on the consequences of terrorist threats and attacks (revised/widened CBRN Programme) adopted by the Commission on 1 December 2004, C(2004)4643, and by the Council on 3 december 2004; Commission Communication COM(2004)590 of 7 September 2004 "Security Research: The Next Steps"

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The Programme of Work is published on an annual basis. For 2005, a budget of €15 Million has been authorised for new activities and a call for proposals (Call PASR-2005) will be published towards the end of January 2005 (call fiche attached). The selection of projects and supporting activities and signature of the contracts will take place during the second half of the year.

2. PRIORITIES FOR THE CALL FOR PROPOSALS PASR-2005

The 2005 Programme of Work takes a mission-oriented approach as defined in the basic documents of the PASR. The activities are defined as collaborative multi-disciplinary, multi-stakeholder projects that will strive for a broad strategic perspective covering one or several priorities, as well as some supporting activities. The projects and supporting activities should give tangible outcomes that will provide the basis for the future European Security Research Programme.

The activities will stimulate the integration of a critical mass of technologies, knowledge and resources to provide valid solutions to anticipated security challenges. They will also explore and foster the conditions necessary to improve European scientific, technological and industrial capabilities in the field of security-related research.

The activities must take account of ongoing legislative and regulatory initiatives taken at Community level in areas such as justice, freedom and security, civil protection, taxation and customs, external relations, transport and energy, agriculture, health and others, aiming at supporting technologies and concepts. Any unnecessary duplication of work with related programmes must be avoided and ongoing standardisation work taken into account.

2.1. Projects

The following priority missions are identified in the basic documents of the PASR and remain applicable for PASR-2005:

– Optimising security and protection of networked systems;

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

– Enhancing crisis management (including evacuation, search and rescue operations, control and remediation);

– Achieving interoperability and integration of systems for information and communication.

– Improving situation awareness (e.g. in crisis management, anti-terrorism activities, or border control);

The last two priorities (interoperability and situation awareness) are horizontal; related projects may involve one or more of the three other (vertical) priorities.

This priority listing does not prejudice the possible selection of additional projects that can be justified. The societal or privacy aspects relative to these priorities are seen as fundamental issues of the PASR and could be addressed as a part of a project or as a cross-priority project.

A.   OPTIMISING SECURITY AND PROTECTION OF NETWORKED SYSTEMS

Aim: to analyse established and future networked systems and services, such as communications systems and services, utility systems and services, transportation facilities, networks for (cyber) commerce and business and identification of their interdependencies, with regard to the security of use and vulnerabilities, to show how to minimise social/economic impact of and 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, to assess the respective vulnerabilities, and to conduct security impact assessments to measure the security of the critical parts of a complete chain.

- Demonstration of measures for enhanced protection and assurance of elements critical to public, private and government infrastructures (including financial systems) to maintain (i) security in an enlarged Europe and (ii) the functioning of logistic chains.

- Development of detection, prevention, response and alert capabilities to strengthen information and control systems.

B.   PROTECTING AGAINST TERRORISM (INCLUDING BIO-TERRORISM AND INCIDENTS WITH BIOLOGICAL, CHEMICAL AND OTHER SUBSTANCES)

Aim: to identify and give priorities to 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, prevention, identification, protection and neutralisation as well as containment and disposal of threatening substances (including CBRN and explosives in general) 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.

- 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 4 laboratories in order to guarantee optimal complementarity and development of effective methodology for networking.

- Development of measures for an effective fight against terrorist financing.

C. ENHANCING CRISIS MANAGEMENT (INCLUDING EVACUATION, SEARCH AND RESCUE OPERATIONS, CONTROL AND REMEDIATION)

Aim: to address the operational and technological issues from three perspectives: crisis prevention, including risk assessment, operational preparedness and management of declared crises. This includes activities in relation to life threatening substances (CBRN or explosives)

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.

D. ACHIEVING INTEROPERABILITY AND INTEGRATED SYSTEMS FOR INFORMATION AND COMMUNICATION

Aim : to develop and demonstrate interoperability concepts for information systems and technologies in the domain of security, enabling the linking of existing and new assets 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 and international law enforcement communication systems. Attention needs also to be given to dependability, organisational aspects, protection of confidentiality and integrity of information.

E. IMPROVING SITUATION AWARENESS (E.G. IN CRISIS MANAGEMENT, ANTI-TERRORISM ACTIVITIES, OR BORDER CONTROL)

Aim: to identify the main threats that could affect Europe, particularly its 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 should 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 the 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 position information) and data analysis techniques (remote control and access).

2.2. Supporting activities

A small number (a maximum of 10) of supporting activities are foreseen in 2005 and should contribute to the preparation of the future ESRP or address human factors related to security.

Possible topics identified are:

- Building security relevant RTD co-operation and networking and dissemination activities, in particular to establish recognised user communities;

- Investigating procedures, management of IPR and legal arrangements for the exchange of classified information between organisations participating in EU security research located in different Member States;

- Studies in support of security solutions with a particular emphasis on human behaviour, perception of security and privacy; or on specific fields related to policies highly relevant to the security priorities of the PASR;

- Standardisation needs for equipment and services associated with security;

- Studies on the feasibility of joint use of large-scale research, testing and evaluation infrastructures in the security field.

3. IMPLEMENTATION OF CALL PASR-2005

The activities should support policies and initiatives of the European Union and be consistent with its values, especially addressing the major concerns of European citizens on security, privacy and democratic values, as well as those of common interest to Europe in a global context. In addition the following principles should be respected:

i. Relevance to the objectives of the Preparatory Action: to prepare for a broad constituency and coverage of subjects relevant for the future ESRP; and to contribute tangible and demonstrable improvements in security that can be brought to "maturity" within the timeframe of the Preparatory Action;

ii. Complementarity with on-going projects and supporting activities from the PASR-2004 call and from the Framework Programme in order to avoid duplication and ensure synergies;

iii. Stimulation of market conditions and innovative mechanisms to create opportunities for European industry and to gain a competitive advantage;

iv. Demonstration of the ability of the consortium to carry out the proposed activities successfully, and to ensure the management of the intellectual property and where applicable, the proper treatment of classified information;

v. Construction 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 and respect of the principles mentioned above;

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.

ANNEX: Call fiche PASR-2005

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

2. **Activity:** Security research.

3. **Call title:** Call 2 of the Preparatory Action on the enhancement of the European industrial potential in the field of security research

4. **Call identifier:** PASR-2005.

5. **Date of publication**: 5 February 2005.

6. **Closure date and time:** 03 May 2005, 17.00 hrs Brussels time.

7. **Total indicative budget:** EUR 15 million (6-8 projects and some supporting activities).

8. **Indicative Distribution of budget:** EUR 12,5 million for projects and EUR 2,5 million for supporting activities.

9. **Areas addressed in the call:** All priorities described in paragraph 2 of the Programme of Work 2005 are open for this call

10. **Financial schemes:**

For **supporting activities**, Community funding may not exceed 75% of the eligible costs. This funding may include up to 10% for management activities (financed at 100%).

For **projects**, Community funding may not exceed 75% of the eligible costs (75% of industrial research, 50% of pre-competitive development activities). This funding may include up to 7% of the contribution for management activities (financed at 100%).

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

12. **Minimum number of participants**:

For **Projects**, at least two independent legal entities from different Member States (EU-25).

For **Supporting activities**, at least one legal entity.

13. **Restriction to participation:** Participants should be established in EU-25.

14. **Classified information:** All sensitive 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.

15. **Evaluation procedure and criteria:** See the section on evaluation in paragraph 3 of the Programme of work 2005.

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

17. **Further information**:

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