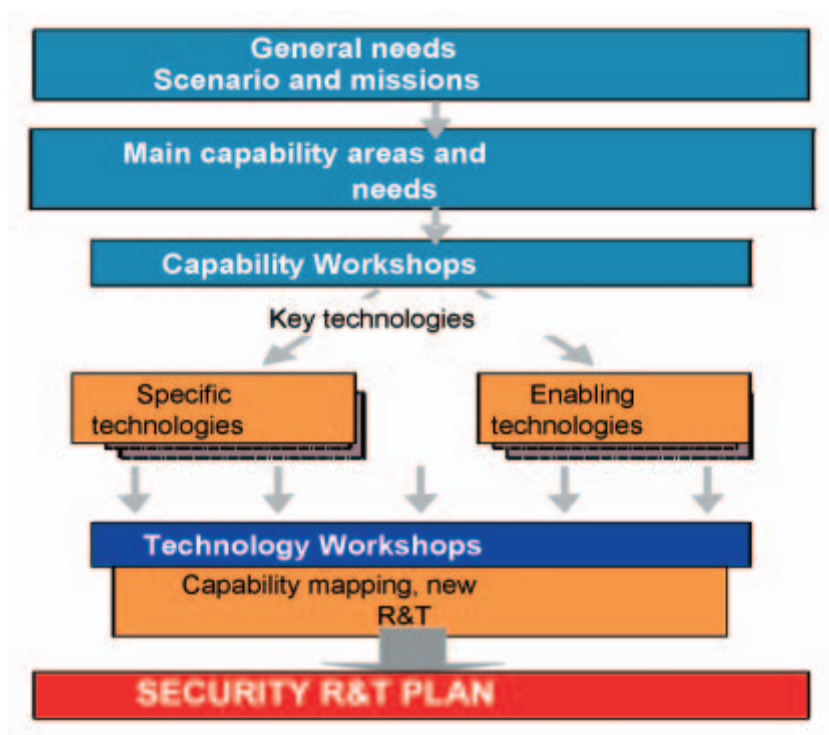




Preparatory Action for Security Research (PASR 2004)

SENTRE SECURITY NETWORK FOR TECHNOLOGICAL RESEARCH IN EUROPE



Objectives

The **SeNTRE** support activity has delivered a strategic research plan for European security by establishing and consulting a network of users and technology experts at national and European levels, in direct link with the EC Advisory Board on Security (ESRAB). The study, performed by a number of European organisations with relevant expertise, has provided the EU with a comprehensive input for planning its programme for security research (ESRP).

SeNTRE has brought together a network of users from Member States and European organisations and through this approach it has made a major contribution to the security of the citizen in Europe. Politically, it has helped to develop support for the action and to build visibility. Technically, it has helped to achieve wider commonality of the best possible security systems in

Europe. Organisationally, it has paved the way for an improved exchange between national and European levels through a network of security and technical experts.

Description of the work

At the heart of the SeNTRE methodology lays a double top/down / bottom-up approach to identify respectively the user/capability needs and the technology requirements.

- Definition of security missions

Identify what security and security-related activities should comprise

- Preparation and review of initial mission priorities

Several scenarios, grouped in themes, were elaborated using a theoretical methodology, adapted from military-security planning to the specific civil-security environment

- Validation through capabilities workshops & security taxonomy

Elementary capabilities were gathered via workshops and interviews of end-users at national and European level. A specific taxonomy for security was also developed and submitted to the Commission and ESRAB.

- Preparation of technology priorities

Technological requirements have been elaborated using a theoretical methodology, adapted from military capability-based research planning to the specific security environment and building on experience acquired in the civil domain.

- Validation through technology workshops

Technological requirements were gathered via workshops and interviews at national and European level. Existing ASD structures, including the SMIG network, were used to engage with a large industrial and research community base. Various end-users were also present to validate the expressed technological requirements. A taxonomy

specific to security has been developed to structure the technology requirement database and linked to the capability database.

- Preparation of a strategic research plan (Final result)

The outputs of the capability analysis process and the technology requirement process formed the basis for the strategic research plan. This plan has been provided as an input to the European Commission security research planning for FP7. In particular SenTRE has proposed that the ESRP should be **security mission driven for the large projects**, validated and orientated by the users involved in the security research network. ESRP should support R&D of **specific security technologies** that are not covered in other FP7 themes as well as **large demonstration projects**. The strategic plan also has concluded that **Human/social factors should be embedded in all key projects**, especially in those with crisis management dimensions. Finally it has recommended that a specific section of ESRP should allow a bottom-up flexible approach.

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Industrieanlagen-Betriebsgesellschaft mbH

QinetiQ

Joint Research Centre – Institute for Protection and Security of the Citizen

Istituto Affari Internazionali

Foundation for Strategic Research

Austrian Research Centers

Délégation Générale de l'Armement (Centre d'Etude du Bouchet)

Fraunhofer-Gesellschaft

VTT Technical Research Centre of Finland

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