Terms of Reference for the ENISA Cars and Roads Security (CarSEC) Experts Group

ENISA launches this Call for Participation to invite experts in security of *Smart Cars* and *Intelligent Road Systems* to participate to its expert group.

The creation of the ENISA Cars and Roads SECurity (CaRSEC) Expert Group aims at gathering experts in the domains of *Smart Cars* and *Intelligent Road Systems* to exchange on cyber security threats, challenges and solutions.

1   Background

ENISA defines *Smart Cars* as the integration of connected components in a car to bring added-value services to drivers and passengers and *Intelligent Road Systems* as the integration of connected cyber-physical components along the road so that road operators can monitor and optimise traffic conditions (e.g. traffic information panels).

Cyber threats to Smart Cars and Intelligent Road Systems go beyond traditional ICT security. There cyber threats have real consequences on the safety of citizens. Hence it is important to understand what needs to be secured and develop specific security measures to protect Smart Cars and Intelligent Road Systems from cyber threats.

ENISA CaRSEC group is an information exchange platform that brings together experts to ensure security and resilience of Smart Cars and Intelligent Road Systems.

Experts of the CaRSEC group shall have expertise in one or several of the following domains:

- Car manufacturing with a focus on cyber security,
- Suppliers and developers of vehicular hardware and/or software with a focus on cyber security,
- Associations and not-for-profit organisations involved in cars security,
- Road authorities, academia, standardisation bodies and policy makers.

2   Objectives

With the objective of making Smart Cars and Intelligent Road Systems more secure, ENISA develops information exchange among communities, organises annual studies and workshops, and continuously engages the operational community through the experts group.

Participants to the CaRSEC Expert Group shall contribute to enhance the current level of cyber security in Smart Cars and Intelligent Road Systems by sharing their expertise on current threats, challenges and solutions.

Your role in the experts group would be:

- To contribute to relevant position and policy papers on security topics in the domain of Smart Cars and Intelligent Road Systems;
- To exchange knowledge with other participants and ensure the convergence of current and future cyber security efforts;

- Discuss other on the approaches taken towards protecting Smart Cars and Intelligent Road Infrastructures systems (policy, standardisation…)

Members of the CaRSEC Expert Group have the following benefits:

- Orient and review ENISA studies by sharing your experience on current threats and good practices;
- Possibility to attend ENISA workshops or other related events regarding to the security of smart cars and intelligent road infrastructures;
- Exchange information with other experts from the sector in a trusted manner;
- Direct contribution to ENISA's work with the possibility to express you opinion on current and future policy.

3 CaRSEC Stakeholder Group Members

Member of the Experts Group can be:

1. Individuals appointed in their personal capacity.
2. Individuals appointed to represent a common interest shared by stakeholders in a particular policy area; they shall not represent an individual stakeholder.
3. Organisations in the broad sense including companies, associations, governmental and non-governmental organisations, universities, research institutes, European Union Agencies and Bodies, international organisations.

Involved individuals are selected based on excellence in the following skills (indicatively):

- Excellent understanding of policy and regulatory issues related to the security of cars and personal vehicles at national and/or pan-European level including activities related to Cooperative ITS;
- Knowledge of policy at national and/or pan European level regarding smart cars and Intelligent Road Systems;
- Experience in the sector of cars and/or roads from a security perspective. An emphasize on cyber security for safety would be a plus;
- Experience and/or good understanding of cyber security;
- Experience from interaction with relevant stakeholders/users;
- Active participation in other relevant communities.

The working language is English.

In addition to the above mentioned skills, the review of applications also take into account the following criteria:

- Individuals are appointed to represent a common interest shared by the type of stakeholders; as such they do not represent an individual stakeholder;
- The formation of the group will be done in a way that a mix of skills in the area of security and resilience of Smart Cars and Intelligent Road Systems, sector and geographic coverage is taken into account;
- Limited number of experts in order to efficiently interact in achieving desired outcomes; (maximum 15 members and 5 alternate members);
- Interest or motivation of the Expert to the policy area;
- General background of the Expert in the policy area;

- Gender balance.

4 Administrative information

4.1 Approach/ Working Methods

The structure of the reference group is organized around periodic conferences calls, mailing list and a space on the resilience portal website. Members will be asked to provide input on ENISA work in the area and highlight trends and current operational issues. In addition to the contribution of the Experts Group to the collection of requirements and ideas, the group will contribute to the review of ENISA deliverables of related projects. Experts will be acknowledged in the ENISA reports as contributors.

The main means of interaction of the CaRSEC will be online tools (web conferencing, mails, phone) and the dedicated portal. One physical meeting could be held once a year. The arrangements of this meeting are going to be discussed and agreed with the group members.

4.2 Organisational modalities

A long term commitment by the group members is desirable. The contribution of each member of the eHealth Experts Group is roughly estimated with ca. 2 person days per year. This engagement does not include the time required for a potential physical meeting.

The effort of members invested in the CaRSEC Experts Group activities will not be reimbursed by ENISA.

The travelling expenses of CaRSEC Experts Group related to a potential physical meeting will not be reimbursed. ENISA is going to facilitate the organisation of a possible meeting by means of the meeting venue and catering.

From each conference call and meeting, short result oriented minutes will be drafted and sent for approval to the CaRSEC Experts Group members.

4.3 Data protection

Personal data of participants in Informal Expert Groups will be processed in accordance with Regulation (EC) No 45/2001 of the European Parliament and of the Council of 18 December 2000 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data.

4.4 Transparency

The members and Chair of the reference group are subject to the requirement of confidentiality pursuant to article 287 of the Treaty for the Functioning of the European Union, even after their duties have ceased. In particular without prejudice to the provisions of Regulation (EC) No. 45/2001, they shall be required not to disclose information of the kind covered by the obligation of professional secrecy, such as information about undertakings, their business relations or their cost components, as well as information relating to the investigation of criminal offences and the application of criminal law.

4.5 Duration of this Call

This Call for Expression of Interest inviting experts to the CaRSEC Expert Group remains open for a period of 1-3 years during which applications are invited and periodically evaluated. Eligible candidates will be entered on a roster from which they will be selected to join either as members or as alternate members. If during the course of the Group, there are vacancies in the membership of the Group, they will be firstly filled by willing alternates and secondly by eligible candidates from the roster.