Service-Oriented Architectures Working Group

Service-Oriented Architecture (SOA), which has taken the IT industry by storm over the past few years, is a software architecture that starts with an interface definition and builds the entire application topology as a topology of interfaces, interface implementations and interface calls. It is also a relationship of services and service consumers, with both software modules large enough to represent a complete business function.

Similar to other enterprise and consumer services, eSafety and ITS services need to have common architectures and interface specifications to help overcome possible market fragmentation. SOA concepts and related technologies are expected to play an important role in this scenario, facilitating service interoperability and cooperation among stakeholders and specialised parties. The Service-Oriented Architectures Working Group will play a key role in identifying the benefits SOA can bring to eSafety and ITS, as well as devising a roadmap for SOA implementation. Its first tasks will be to describe the state of the art, as well as identify the missing elements for deployment and the steps to facilitate market introduction.

Objectives

- Identify SOA activity fields for stakeholders
- Analyse business aspects (core services identification)
- Define eSafety "specialities"
- Address future challenges for eSafety
- Release a final report looking at the importance of SOA for future eSafety processes

Main Achievements and Challenges

The SOA WG held its kick-off meeting 5 July 2007 in Berlin where it discussed a draft workplan and desired outcome, as well as started the outline for its final recommendations. The WG intends to synchronise its activities with other existing WGs and projects. It now counts over 25 members.

Its second meeting will take place 19 September 2007 with the objective of assigning work packages and responsibilities.

Future activities

- 2nd SOA WG Meeting: 19 September 2007
- 1st public workshop (February 2008): collection of information, opinions from stakeholders
- 2nd public workshop (August 2008): presentation of draft recommendations
- Final recommendations ready by October 2008

Intended Stakeholders

- Automotive industry
- Telecom operators
- IT industry
- Service providers
- Suppliers
- Universities & research institutes
- National authorities & road operators

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