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# The eCall Clinic

**eCall Experts Meeting**  
*Helsinki, 15<sup>th</sup> April*



- 1. Standardisation Issues**
- 2. Socioeconomic benefits and business plans**
- 3. Technical issues**
- 4. Others**

# eCall Clinic – Question 1.1



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The system obviously should a) be operable with mobile networks existing in 2009 and subsequent years, in Europe; b) be in operation (and updateable, maybe by remote downloads via networks), during the life-span of the vehicle (more than 10 years)?

- a) How the necessary aspect to keep the eCall - specifications, interfaces, implementation and vehicle unit identification and updating mechanisms valid with the rapid change of mobile network technologies, operators, are taken into account in the process?*
- b) Have the eCall - procedural specifications (what information, that sequences of interaction between the vehicle and PSAP), been defined with a formal specification tool, like UML, for standardization bodies and stakeholders to have clear common definitions. If this is not yet done, when and who will perform this necessary step?*

- ❑ *What are the organisational and technical solutions of eCall integration into the Emergency Response Centre's information system?*

## eCall Clinic – Question 2.1

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- a) Did the government in Finland already work out the business model financials and how is this organized throughout the public platform?*
- b) In addition and if applicable, which obstacles did they experience?*
- c) and what can the EU potentially do to make this easier for other countries?*

- Have the business cases been defined and analyzed for all stakeholders, who are expected to invest into the system or to whom the system will cause changes in their existing businesses or to whom the system will bring new threats or opportunities for new business?*

- *How, when EU may dedicate resources in raising public awareness of the benefits of eCall, so that some customer demand for such a service may "emerge" and a business model be established?*

## eCall Clinic – Question 3.1



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In the scope of 112 eCall services Location determination is a vital information component in order to ensure timely and adequate response to road vehicle accidents. In order to determine a position, the network infrastructures of GPS (satellites), Cell-ID (terrestrial) and/or autonomous in-vehicle navigation systems will be used. In case of failure (i.e. loss of radio signal, misguidance etc) of one or more of aforementioned commonly used positioning systems;

- ❑ *What is the exact eCall Back-up scenario protocol, to ensure that the 112 Emergency Center at all times can rely on the correct position information, in order to determine the precise location of a road vehicle accident?*

## eCall Clinic – Question 3.2

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- a) How is the using of map data?*
- b) What are the requirements for the position accuracy?*
- c) Which kind of localisation information they need?*
- d) What kind of interface is in process?*
- e) What do they plan for further development?*

- Will the eCall infrastructure also be used by patient monitoring (hardfailure [=heartfailure?] sent by sms)?*

## eCall Clinic – Question 4.2



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eCall can reduce the delay for the arrival of appropriate emergency medical services and therefore can reduce the gravity of accident. eCall can in addition reduce delay for information of drivers coming after a first accident, by radio, variable message signs and on-site signaling. 12% of fatal accidents on motorways are over-accidents that could be decreased by reducing the delay of detection + on-site information. Therefore eCall can also be an active safety mean which reduces number of accidents. Complementary information to road operators is needed: in particular dealing with the location and number of vehicle(s) on circulated lanes (right, left...) or emergency lane, presence of dangerous goods...

- ❑ *What are the experiences or projects about this aspect of eCall evaluation?*

## eCall Clinic – Question 4.3

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- A similar project to this has been running in the USA for some time now. What action has so far been taken to "learn the lessons" that have been experienced there so that we do not make the same mistakes and that we do not re-invent the wheel?*