

Activity 3: eCall for P2W

Matthias Mörbe
Robert Bosch GmbH
Cluster lead I-HeERO Activity 3

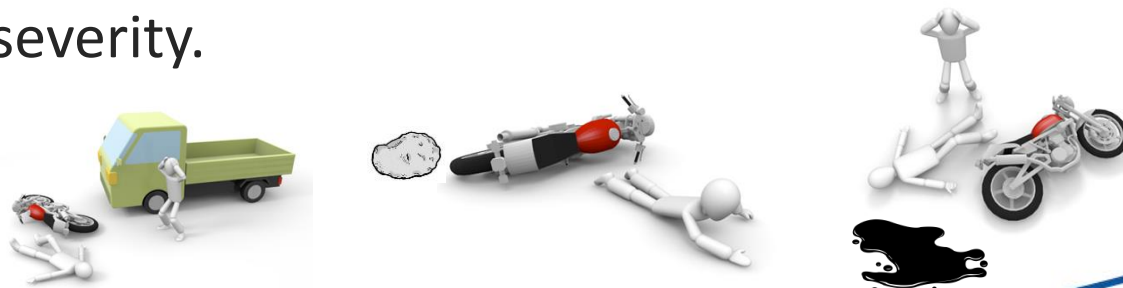


This project is funded
by the European Union



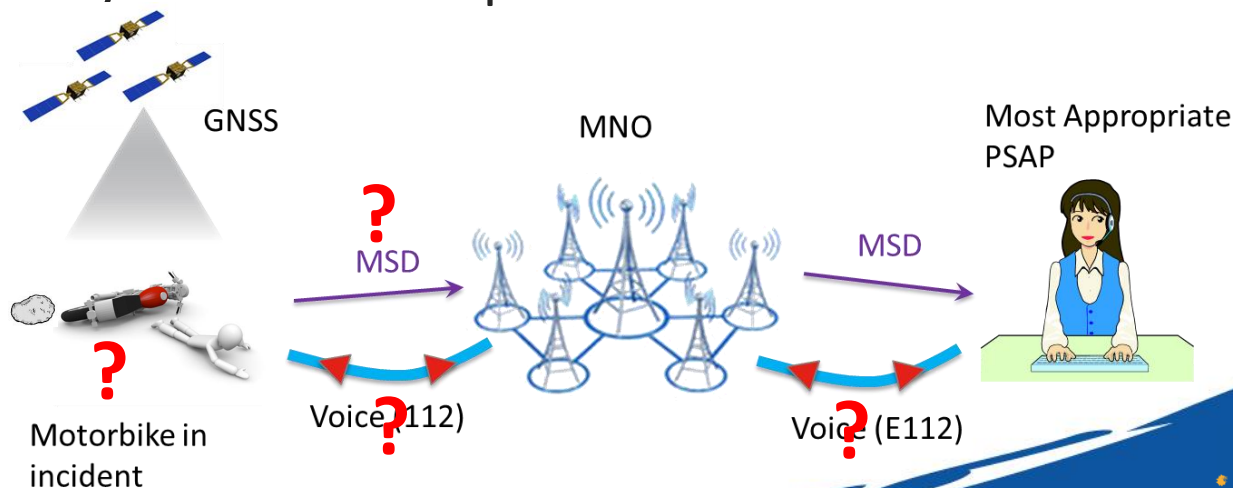
There are significant differences between eCall for passenger cars and eCall for P2W

- The probable separation of driver & vehicle due to vehicle peculiarity.
- The identification of a fall (with or without collision of machine with a solid object)
- The specific characteristic that a voice connection is not present or cannot be established.
- The fundamental difference of crash dynamics between a passenger car and a P2W with different injury patterns and severity.



Project Key Objectives

- Define the requirements and architecture of an eCall device for P2W
- Define a reliable triggering mechanism for P2W
- Identify determining factors for accident and injury severity
- Define minimally complex system architecture to improve industry and market uptake



Sub-Activities and Deliverables

- **Deliverable 3.1**
(Lead: KTM)
 - State of the art of existing eCall systems and standards and their relevance to P2W vehicles
 - Definition of use cases for P2W eCall
- **Deliverable 3.2**
(Lead: BMW)
 - Documented proposal for a verification standard
- **Deliverable 3.3**
(Lead: CEIT)
 - MSD table for P2W for PSAP's
- **Deliverable 3.4**
(Lead: YAMAHA)
 - Basic architecture recommendation document
- **Deliverable 3.5**
(Lead: BOSCH)
 - Documented analysis of possible determination of injury severity
- **Deliverable 3.6**
(Lead: CEIT)
 - State of the art definition of a prototype
 - Homologation process proposal for retrofit solutions



Achievements to date

- Task definition in detail, time schedule and project management tools installed
- Use cases analyzed based on accident data bases
- Existing eCall like systems assessment done
- Limits, conditions and borderline identified for a realistic target approach
- Customer survey done to get best user acceptance
- Common understanding what could be potentially an outcome of the project
- First system architecture proposals discussed.



Partners P2W Cluster

Austria: KTM

Greece: ICCS

Belgium: HONDA, ACEM

Italy: POLIMI, PIAGGIO

Bulgaria: ICOM

Netherlands: YAMAHA

Cyprus: CUT

Spain: CEIT, CETEM

Germany: BMW, BOSCH*

UK: CATAPULT

Project is on time and budget. Deliverables will be achieved.

* Cluster Lead: Matthias Mörbe, Christian Cosyns



This project is funded by
the European Union

Thank you very much for your attention



This project is funded by
the European Union