

Title: eCall over IMS MSD Transport

Source: I_HeERO

To: 3GPP SA2 and CT1
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1 Introduction

I_HeERO is a European Commission-funded project assembled to support the PSAP community in the deployment of eCall to meet the mandate set out by the European Parliament. Part of our scope is to collect from the PSAP members, requirements for the Next Generation eCall service.

We have been following some of the standards efforts for eCall over IMS and understand that 3GPP is evaluating proposals for transporting the MSD. We have evaluated the proposals against the following considerations from the PSAP community:

1. PSAP upgrades and investment costs

PSAP budgets are governed by public funding sources and have to be managed judiciously.

2. Obtaining accident information as soon as possible

Having the MSD delivered immediately with the initial SIP INVITE message better guarantees that the PSAP will receive the MSD information at the earliest time

3. The key information needed is the initial MSD, followed by voice communications with the motorist.

There is currently no mandate to exchange more information than the MSD. Additional optional data, if defined in the future, could be transported with less urgency than the MSD. Therefore, we do not see the need to always establish a separate transport session for sending data if the MSD can be quickly transported in the initial SIP INVITE.

The unified MSD eases the exchange between different PSAPs on a national and international level. This is of special importance for cross-border coordination of emergency calls.

4. Obtaining an updated MSD may be useful in some situations.

For a vehicle that may be moving or if a PSAP wishes to verify e.g. the position location, an update of the MSD may be useful. However, it is not expected that such a capability would be frequently invoked.

5. Use of standardized protocols (IETF specifications)

In consideration of the above we have determined that the latest IETF draft "draft-ietf-ecrit-ecall-07" would be very well-suited for the PSAPs' needs.

2 Actions

We ask that 3GPP take the above feedback into account when evaluating which solution to select for the transport of the MSD for eCall over IMS.