

eCall for Commercial Vehicles

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Agenda

- The eCall Chain
- Why eCall for Commercial Vehicles?
- Options
- Demo Tour
- Questions





The eCall chain







Why eCall for Commercial Vehicles?

Paint spillage



Highly disruptive









Livestock

Dangerous Goods





Study of Commercial Vehicles

- Outcome of previous projects (HeERO 2, SafeTRIP, etc)
- Stakeholder engagements
 - PSAP, First Responders, CEN, Supplier Chain
 - (Workshop Espoo, Rotherham)
- Information availability
- Operational aspects
 - Vehicle changes, delivery impact
- Implementation challenges





eCall for Commercial Vehicles

- HGV: can have substantial impact, especially if carrying dangerous goods
- Information on the cargo helps PSAP make decisions on dispatching actions
- Special tools, protective gear, deviations ...







Schemas

- Technical Specification (TS) 16405 defines extension of the eCall MSD specific for commercial vehicles.
- Schema A Could be used for specific Dangerous goods vehicles
 - Fixed in the IVS
- Schema B Cargo information from external source
- Optional additional data





eCall for Commercial Vehicles (using Schema A)



Approach based on Schema B



Leakage and other alarms indicators are sent

Optional Additional Data				
Oid	RELATIVE OID		М	Fixed value: 1.2
data encoded as OCTET STRING				
commercialVehicleType	ENUM		М	The supported types are: - unknown - tanker, one compartment - tanker, more compartments - truck, (stukvracht)
consignorPhone	NumericalString		м	Consignor contact telephone number o telephone number displayed on goods containers as contact number in case c emergency. NOTE: the number should be specified international number, thus including the country- and area code (without zero)
alarminfo			0	Information about sensors present is encoded. Each sensor is optional and should be left out if not present. If a sensor is generating an alarm its ve should be set to true, if a sensor is available but not generating an alarm it value is false IMPORTANT NOTE: Emergency servic need to be aware that the absence of a alarm indicates only that there was no alarm showing as activated at the time of compiling the data. Alarms raised post the oppoulation of/sending of the MSD will not be transmitted. These codes therefore onli indicate status before or at the point of incident, and cannot be taken as the current status post incident.
leakageAlarm	BOOLEAN		0	True if leakage has been detected
fireAlarm	BOOLEAN		0	True if fire has been detected
highTempAlarm	BOOLEAN		0	True if high temperature has been detected
lowTempAlarm	BOOLEAN		0	True if low temperature has been detec
shockAlarm	BOOLEAN		0	True if shock has been detected





eCall for Commercial Vehicles (using Schema B)



Access to cargo information

- External (trusted) sources, data security
- Single data format: e-CMR
- UN/CEFACT data model for standardised electronic consignment note and appropriate message schemas (end 2017)



I_HeERO Proof of Concept and Demo Tour











Questions

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