



Harmonised eCall European Pilot



#heero

HeERO2 and the handling of dangerous goods transportation

HeERO Internation Conference

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Presenter:

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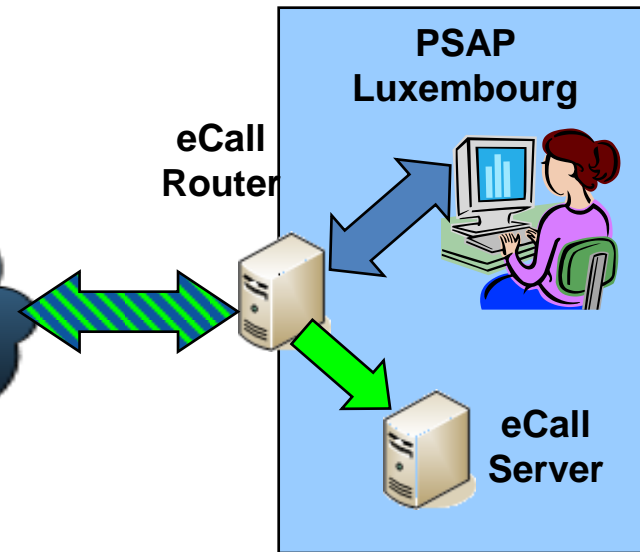
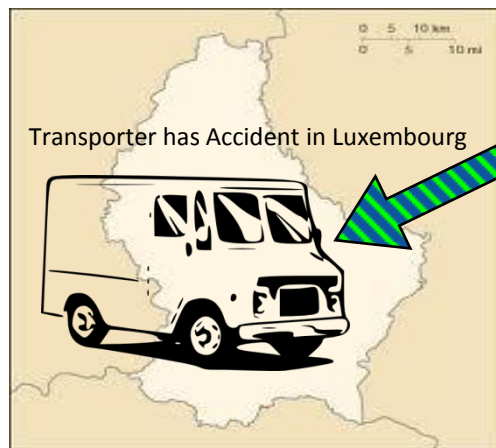
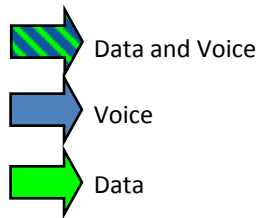
HeERO2

- Extension of HeERO project
- Main focus on - **interoperability, HGV and P2W**
- 5 new member states
 - Belgium
 - Bulgaria
 - Denmark
 - Luxembourg
 - Spain
 - Turkey
- Start 1.1.2013
- End 31.12.2014

HeERO2

- Extension of HeERO project
- Main focus on - **interoperability, HGV and P2W**
- 5 new member states
 - Belgium
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 - **Luxembourg – Heavy Good Vehicles / Dangerous Goods**
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Luxembourg Pilot Site Architecture



why Heavy Good Vehicles/Dangerous Goods in eCall?

- Small chance ...
 - heavy goods vehicles are involved in approx 10% of all accidents
 - dangerous goods involved approx 3-4%
- ...big consequences
 - accidents involving HGV (> 3,5 ton) are more serious
 - additional danger if dangerous goods are involved
- and there are a lot of dangerous goods on the road ...

Emergency Services and Dangerous Goods

In case of an accident emergency service needs to know

- Are dangerous goods involved ?
- What type of dangerous good is involved ?
- How much of this dangerous good is loaded in the vehicle?
- How to handle this dangerous good
- Is a vehicle with dangerous goods nearby ?

Dangerous Goods and eCall (1)

Information about Dangerous Goods is stored in the IVS and send with the additional data of the MSD to the PSAP

- no new mechanism needed
- easy to implement in PSAP

Issues

- How to update the information in the IVS ?
- To ensure that the information is up to date?
- Only limited number of dangerous good types possible

Dangerous Goods and eCall (2)

A link to transport documentation is stored in the IVS and send with the MSD to the PSAP

- PDF of transport documentation is easy to create
- PSAP has to open the PDF only
- All necessary information available

Issues

- How to ensure that the information is up to date?
- Different Format of documents, foreign language
- Additional information is difficult to access

Dangerous Goods and eCall (3)

Dangerous goods are traced by a tracking service

Link to webservice of the tracking service is stored in MSD to the PSAP

- Tracking service is integrated into the transport process – information is always up to date
- PSAP has to call the webservice
- All necessary information available
- Additional information can be provided automatically

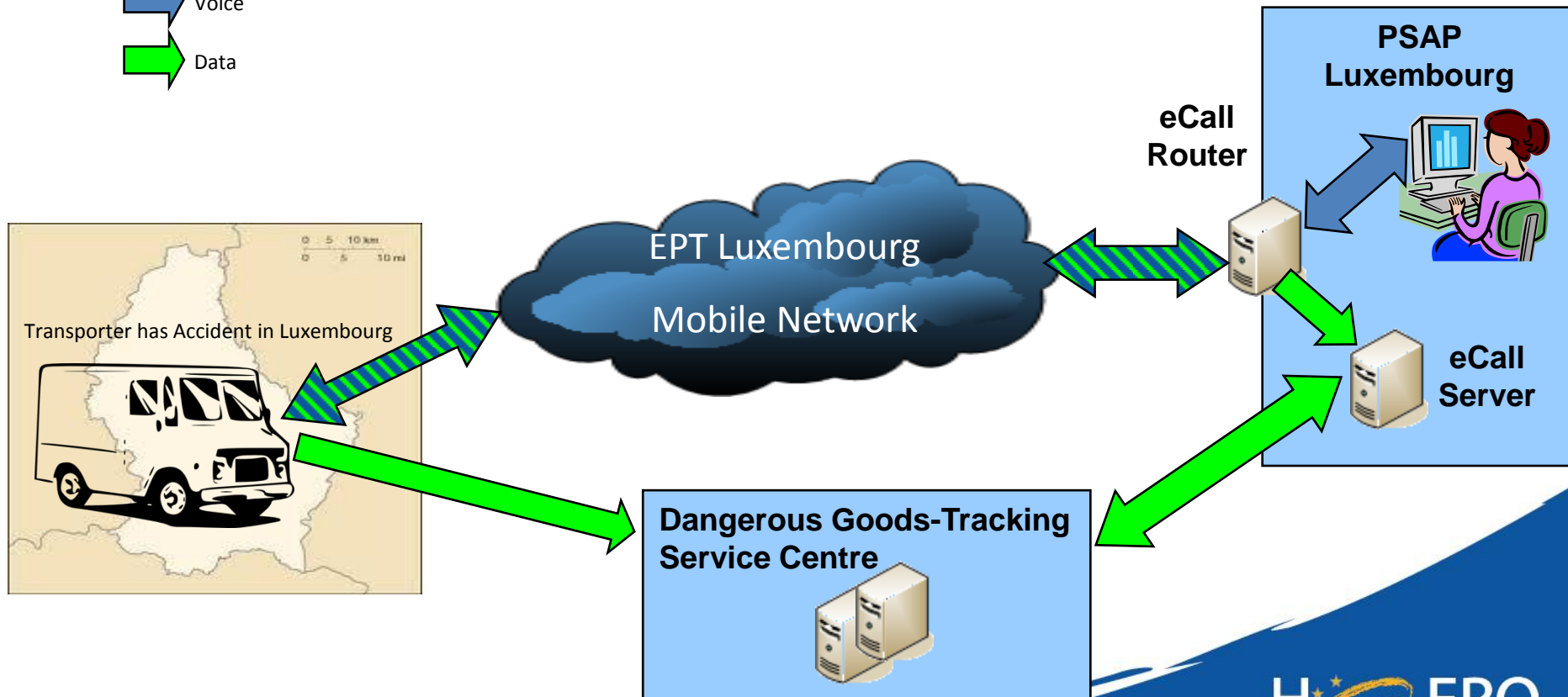
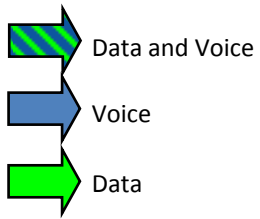
Issues

- Tracking service needs to be implemented and used
- Central service may not be accepted by users

Dangerous Goods tracking service in Luxembourg

- ESA project DG-Trac: implement a Dangerous Goods tracking service for the medical sector
- Timeline:
 - Project start Begin 2014
 - Service operable for prototype customers mid of 2014
 - Webinterface DG-Trac Service available - Sep 2014
 - Adaptation of eCall Router – Sep 2014
 - Tests Sep 2014 – Dec 2014
 - Service in operation: 2015
- Several hospitals are supporting this service

Luxembourg Pilot Site Architecture



Conclusion

- Information about dangerous goods involved in accidents is very important for emergency services
- Standardisation of handling of dangerous goods in eCall is in progress
 - DG-Information in MSD
 - Link to transport documentation
 - Link to web service of a DG-tracking service

For Details see presentation “MSD Additional Data Concept”

Thank you!

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