

# Report Italian pilot site

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# Summary

- Strategy for the e-Call Deployment in the country
- Main stakeholders (Consortium)
- Test Site description
- Overview of the current testing activity
- Main result of the tests
- Main issues and proposed solutions/countermeasures
- Plans for the future
- Dissemination

# Strategy for the e-Call Deployment in the country

- After 2013 the PSAP of Varese will become the 1° national eCall enabled PSAP.
- Results of HeERO will be evaluated and exploited to support national eCall implementation.
- The pilot is interacting with many institutional networks and central and regional administrations, creating the premise for the deployment of EU eCall in Italy.
- Progress made on a European level will be monitored and participation in the European eCall Implementation Platform will be continued.

# Project Consortium



*Presidenza del Consiglio dei Ministri*



**CENTRO  
RICERCHE  
FIAT**



**MAGNETI  
MARELLI**

Automobile Club d'Italia



# Test site description (phase 1)

- The Varese 1° level PSAP involved
- 112 & long number (national and roaming, for testing only)
- Telecom Italia has implemented the “eCall flag” on its mobile network in the Varese test area and the eCall routing to the designated PSAP by its fixed network
- bCall Service Centre implemented by ACI
- CRF FIAT car and MM car as test vehicles
- eCall testing by CRF with multi brand IVS: MM, Actia, NXP
- eCall & bCall testing by MM with a customized IVS
- Successful interoperability tests were done with other IVSs during the Vienna ITS World Congress

# Test site description (phase 2)

- The Varese 1° level PSAP involved
- CRF car with 4 different IVS by MM, Denso, Actia, NXP
- 10 cars of ACI driver equipped with MM eCall boxes
- Tests will be made by normal users
  - eCall via 112 with “eCall flag” to the Varese PSAP
  - bCall via GPRS connection to the ACI service centre
- Implementation of the automatic VIN decoding by data exchange with national registry / EUCARIS
- Implementation of the automatic transmission of the eCall location to a simulated RTTC



# Overview of the current situation (1/2)

- 1° phase of operational tests is running (end 30.11)
- Tests are done :
  - for eCall using the 112 number and eCall flag covering all the chain from the vehicle to the real live 112 PSAP
  - for bCall using a GPRS connection to the ACI service centre

# Main outcomes of the tests

- eCall preliminary results:
  - 127 (manual) calls made up to now
  - 89 on long number, 75 with MSD correctly received and 14 without MSD (84%)
  - 38 on 112 with eCall flag in the Varese test area, with 33 correctly received by the PSAP (87%)
  - the call goes immediately to the 112 operator queue
  - 5 sec. min., 18 sec. max MSD reception time
  - Voice channel always established



# Main Issues

- For PSAP
  - In some cases the operator couldn't take in charge the call, due to other real incoming call, and the MSD was transmitted again by the IVS.
  - The solution for that is currently under investigation.
- For MNO
  - Other Italian MNO not tested.
  - What about next data mobile network technologies (LTE, VOIP)?
- For IVS
  - Call set up time
  - Conformance testing

# Public / User Acceptance

- Public Acceptance
  - General public awareness not yet addressed.
  - Specialized public awareness raised by
    - Press article
    - Paper presentation
  - This public is showing a great interest in the eCall as a “system”.
- User Acceptance
  - 2° phase of tests will address this aspect.
  - PSAP operator confirmed positive impact, based on their first use feelings.

# Plans for the future

- Plans for the future towards deployment
  - 2013
    - 2° tests phase
    - Interoperable tests in the Varese area with other pilot sites
    - Consolidation of Vin decoder solution with Eucaris
    - Global HeERO results evaluation at national level
  - 2014
    - National eCall deployment definition
    - Definition of the MSD data fields into the real live emergency agencies data base
- Dissemination events
  - 02.2013 - Interministry conference
  - 05.2013 - Forum PA

Thank for the attention

# Questions ?