

eCall May 2012 Interoperability event results

HeERO International Conference, Zagreb
15 November 2012



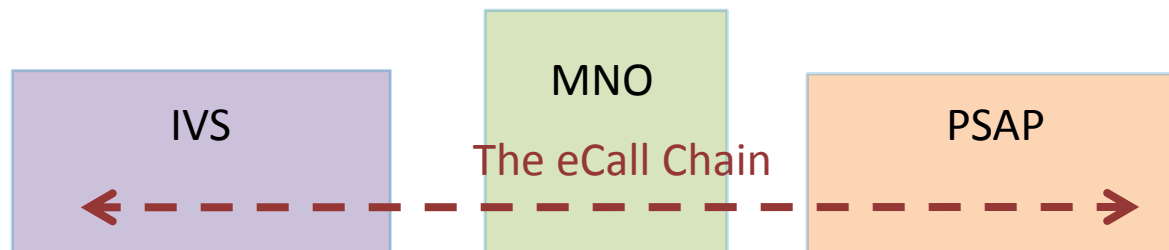
Introduction

- Interoperability is a well indentified challenge for the Telecom Industry
- Risk of interoperability issues confirmed by pilot test site and industry trial results
- The HeERO standardization task force decided to hold an open interoperability event soon to address the interoperability issues

Test strategy



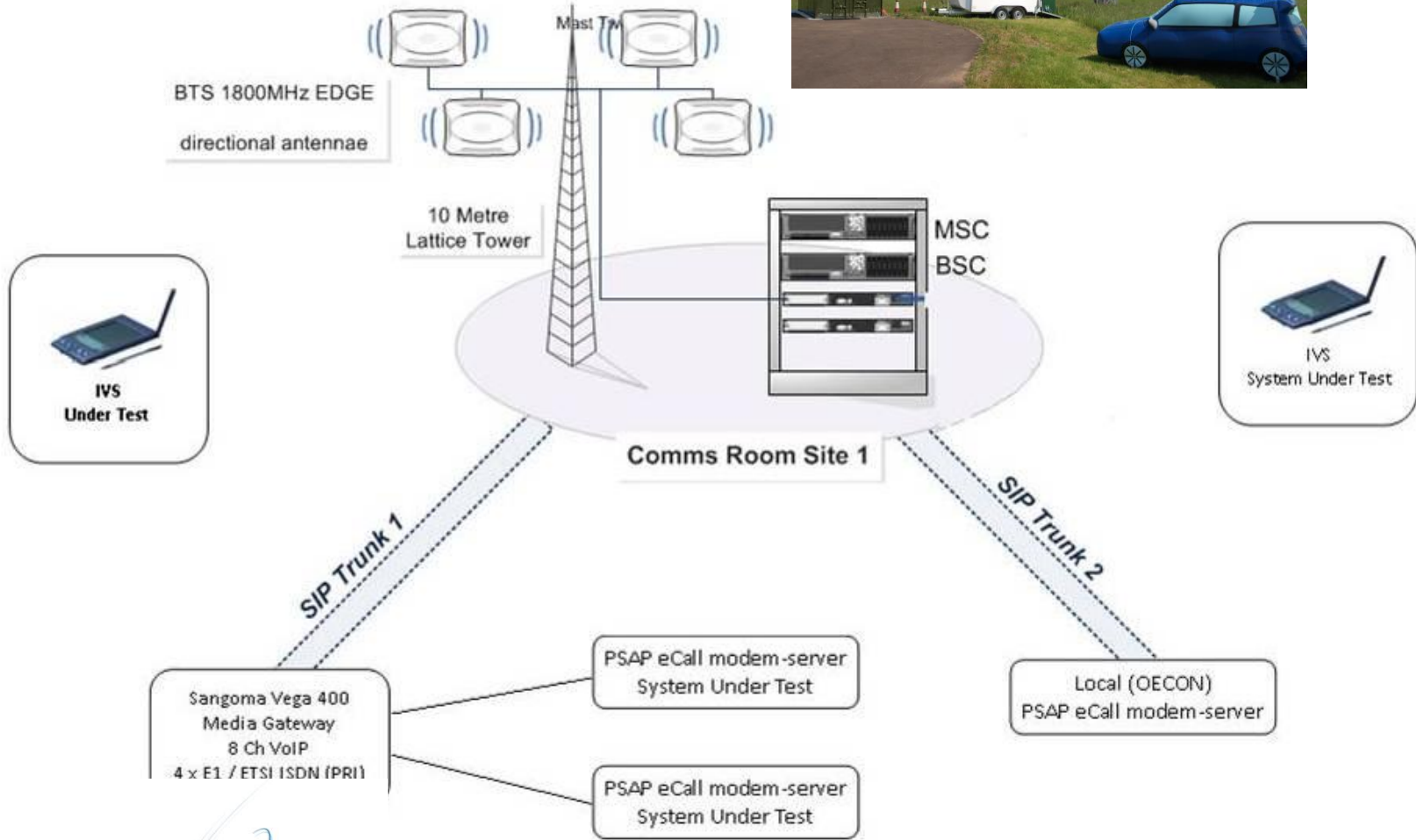
- Engineers execute face to face test sessions between IVS and PSAP:
 - Can debug implementations to match requirements
 - Exchange views on standard interpretation and implementation



Event organization

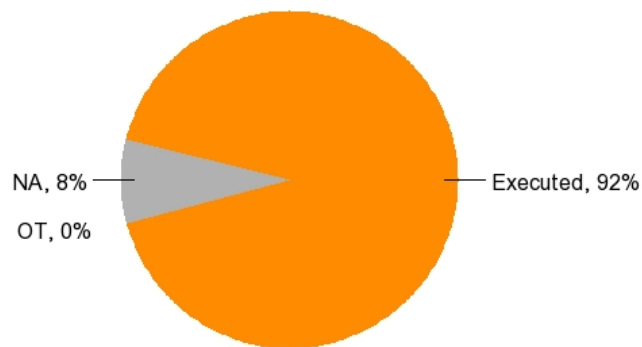
- ERTICO ITS Europe and ETSI joined forces to organize the 1st Interoperability event
- A test detailed test program was drafted by expert for guidance.
- The event was held 22 to 24 May 2012 at InnovITS test site, at Nuneaton, UK.
- 8 Companies participated in the event bringing:
 - 9 IVS
 - 5 PSAP
- A private GSM system was provided to enable the handling of the eCall Flag

Test bed

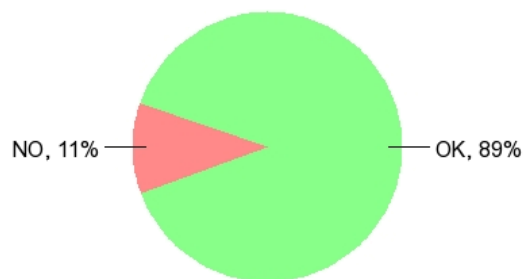


Mandatory tests

1	TD_MAN_PUSH_01_EUT	MSD transmission / reception /acknowledgement
2	TD_MAN_PUSH_02_EUT	Voice communication after receipt of AL-ACK
3	TD_MAN_PUSH_03_EUT	Retransmission of MSD on request from PSAP
4	TD_MAN_PUSH_04_EUT	Voice communication after retransmission of MSD
5	TD_MAN_PUSH_05_EUT	Clear down / PSAP initiated network clear down
6	TD_MAN_PUSH_06_EUT	Clear down / PSAP initiated application layer AL-ACK Clear-down
7	TD_MAN_PUSH_07_EUT	Call Back / PSAP initiated call back to IVS



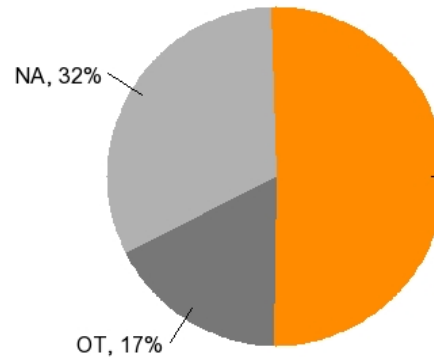
Total Tests



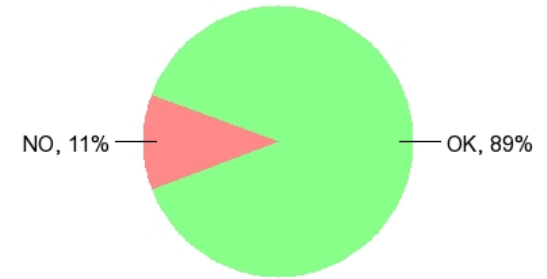
Executed Tests

Optional tests

TD_OPT_PUSH_01_IVS
TD_OPT_PUSH_02_IVS
TD_OPT_PUSH_03_IVS
TD_OPT_PUSH_04_IVS
TD_OPT_PUSH_05_IVS
TD_OPT_PUSH_06_IVS
TD_OPT_PUSH_07_PSAP
TD_OPT_PUSH_08_IVS
TD_OPT_PUSH_09_PSAP
TD_OPT_PUSH_10_IVS
TD_OPT_PUSH_11_IVS
TD_OPT_PUSH_12_PSAP
TD_OPT_PUSH_13_IVS
TD_OPT_PUSH_14_IVS
TD_OPT_PUSH_15_IVS
TD_OPT_PUSH_16_PSAP
TD_OPT_PUSH_17_IVS
TD_OPT_PUSH_18_IVS
TD_OPT_PUSH_19_IVS
TD_OPT_PUSH_20_PSAP
TD_OPT_PULL_01_PSAP



Total Tests



Executed Tests

Debriefing sessions



- Debriefing:
 - Enabled discussion on interpretation issues
 - Failed tests were due to:
 - Non-implemented features
 - Inconsistent implementations
 - Difficulties to interpret the standards consistently were discussed and raised issues on the following parts:
 - AL-ACK clear down procedures and bit mapping
 - T5 to be increased (2 to 5s)
 - Add the pull mode
 - Improve EN16062 clarity (terms and figures)
 - Consolidated HeERO standardization task force proposals for standard refinements

Conclusion and Next step

- All participants highly rated the usefulness of the event
- Create trust in eCall implementations
- Confirmed needs for refinements of the standards
- EN16062 and EN15722 change request were submitted to CEN TC278/WG15
- The next event is planned in 2013
 - Increased number of participants expected
 - Upgraded test environment wished
- **Recommendation to all MS to send their vendors to the next event to ensure Interoperability at an implementation level**