1ˢᵗ ETSI endorsed Test centre for NG IC technologies.

Welcome from the Plugtests Host
(NG eCall Plugtests from the host perspective)

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Challenges of the 1st NG eCall Plugtests

▶ First discussions with ETSI about hosting the NG eCall Plugtests event started in Automn 2019, after cancellation of the NG eCall event scheduled for October 2019;

▶ Requirements of the NG eCAll Test infrastructure:

  ▶ isolated & configurable network that can be adapted to testing scope,

  ▶ supporting 3GPP/IMS NG eCall features,

  ▶ test execution observability,

  ▶ test infrastructure shall be accessed from public (radio) access networks;

▶ … with the COVID-19 pandemic appearance in March 2020

  ▶ Plugtest organization challenges has changed: TO BE OR NOT TO BE, **IF yes** THEN organize it as a fully digital (remote) event.

By going fully digital...

... two modifications were necessary:

▶ **Narrowing the test scope:** which NG eCall interoperability test cases can (not) be tested remotely -> we have prepared the proposal of the test scope for remote execution;

▶ **Modifying the test infrastructure:** to assure fully managed test network adapted to test scope and full test execution observability, necessary simplification was needed, e.g. instead of using public access radio (e.g. 3G PS or LTE) networks at IVS side in roaming scenario, NG IVS were connected to test infrastructure directly via public IP address. PSAPs were connected via IP VPN connections.

Lessons learned

▶ **Several setup iterations** were needed with each Plugtests participant (NG IVS and NG PSAP vendors) to make the 1st NG eCall session –> we extended the pre-test period from 2 to 3 weeks;

▶ Continuous & competent technical support (IP, VPN & IMS networking, NG eCall service flows & testing expertize), that provided details analyses of FAILED/UNCONCLUSIVE tests to Plugtests participants is quite essential in making the event successfull, e.g.

▶ success rate (Verdict = SUCCESS) of performed test cases was more that 74%; valuable inputs provided to SDOs.

I wish you a fruitfull discussion about the future NG eCall services!

4