

eCall Simulator Platform

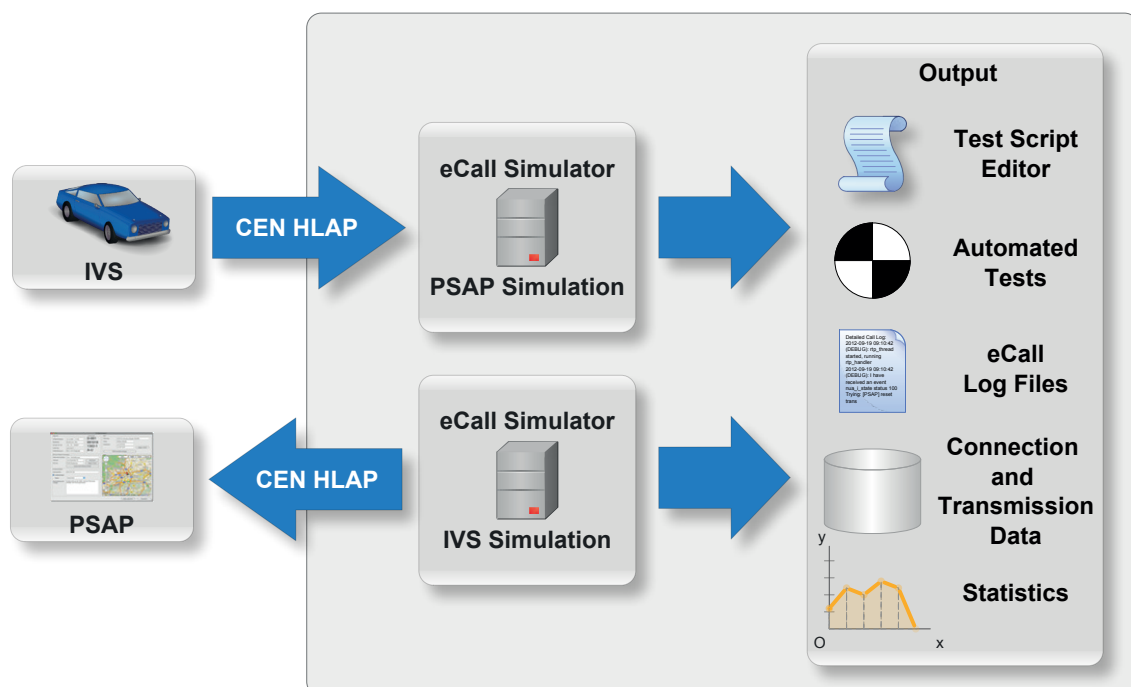
Develop and Validate Pan-European eCall Components

Features

- 82 test cases
 - 55 conformance test cases according to CEN16454:2013 (Intelligent transport systems - eSafety - eCall end to end conformance testing)
 - 35 test cases for IVS
 - 20 test cases for PSAP
 - 27 functional test cases according to ETSI eCall Interoperability Testing Guide
- Simulation of both IVS and PSAP systems
- Textual and graphical logging with different levels
- Test data view with analysis support
- Generation of test reports (HTML, PDF, Excel, Word)
- Modem data transmission logging
- Parameter set for HLAP and in-band modem for each test case variable for border and tolerance tests
- Additional success control via maps view
- eCalls can be forwarded to existing telephone systems, VoIP phones or mobile phones

Benefits

- Approved test automation platform based on standardized TTCN-3 language
- Conform with applicable eCall standards in compliance with CEN and ETSI
- Certified tool for development of IVS and eCall PSAP extensions
- Fast and simple test execution and analysis
- Repeatability of tests and full support of test automation
- Extension capabilities via open and standardized APIs



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eCall Simulator Variants

	Professional	Basic
PSAP Simulation (Simulates a complete eCall PSAP solution for IVS conformance testing)	•	•
IVS Simulation (Simulates an eCall compliant in-vehicle system for PSAP conformance testing)	•	•
Supported ISDN Channels	up to 30 channels	2 channels
TWorkbench Software (For easy and powerful test execution)	•	•
27 Functional Tests (According to ETSI eCall Interoperability Testing Guide V2.4.3)	•	•
49 End to End Conformance Tests (According to EN 16454)	•	
User-Defined Test Cases (Take advantage of the TTCN-3 language to modify/create your own tests)	•	
Unrestricted TTCN-3 Compiler	•	
GSM Support for IVS Simulation (optional)	•	
19" Server Rack (High-End 19" Rack)	•	
Server Cube (Small Cube-Shaped Mobile Server System)		•
Provision of Services to Third Parties (Conformance Testing as a service for third parties)	•	

Standards

- CEN TS 16454: Intelligent transport systems - eSafety - eCall end to end conformance testing (2013)
- CEN EN 15722: Intelligent Transport Systems - eSafety - eCall minimum set of data (MSD)
- CEN EN 16062: eCall High Level Application Requirements (HLAP)
- CEN EN 16072: PanEuropean eCall-operating requirements
- EN/ISO 24978: ITS Safety & emergency messages using any available wireless media - Data registry procedures
- ETSI TS 122 101: Universal Mobile Telecommunications System (UMTS); Service aspects and Service Principles
- ETSI TS 124 008: Digital cellular telecommunications system (Phase 2+); UMTS; Mobile radio interface Layer 3 specification; Core network protocols; Stage 3
- ETSI TS 126 267: eCall data transfer; Inband modem solution; General description
- ETSI TS 126 268: eCall data transfer; Inband modem solution; ANSI-C reference code
- ETSI TR 126 969: 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; eCall Data Transfer; Inband modem solution; Characterisation Report

Requirements

- ISDN standard connection or/and VoIP Telephony System (for PSAP simulation)
- GSM mobile device with Bluetooth Handsfree profile (for IVS simulation)
- 230V / 50-60 Hz power supply
- VGA or HDMI monitor (FullHD for best results)
- Internet connection for access to maps

Contact

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