

# Spirent eCall Test Pack

**Spirent's GNSS test scenario set for verifying compliance of in-vehicle 112 based eCall systems to the European Commission Delegated Regulation (EU) 2017/79.**

## eCall and your systems

The eCall system is expected to cut emergency response times in half, improving the outcome for people injured and reducing the number of deaths in road accidents throughout the European Union. With the system becoming mandatory for new vehicles (M1 and N1 category vehicles i.e. passenger cars, multipurpose passenger vehicles and light goods vehicles with a GVW not exceeding 3,500 kg) from April 2018, manufacturers face the challenge of another new technology to design, implement and verify.

The challenge for IVS manufacturers and integrators lies in creating a test bed to run all tests specified by eCall - from setting up the appropriate simulators and other test equipment, to writing the test scripts, running the tests on the IVS unit, and recording the results. To do all this from scratch could take several weeks and potentially require the help of external specialists - which could tie up valuable engineering time and slow time to market.

## Description

The test set consists of all 14 test scenarios, as per regulation requirements. Scenarios cover a complete range of variations in constellation, environment (atmospheric effects), location, motion, obscuration and signal strength as required by the eCall standard. In order to run the scenarios one of Spirent's GNSS simulators (GSS6300M, GSS6700, GSS7000 or GSS9000), with GPS, SBAS and Galileo enabled, and software (SimGEN, SimREPLAYplus, SimREPLAY or SimTEST) is required.

For a complete list and details on test scenarios, please contact a Spirent representative. Spirent also offers a Test Audit service. The Audit Report will summarise all results and findings of the testing, with clear descriptions of the tests undertaken. Areas of concern will also be highlighted, as well as the areas that may require further investigation. Please get in touch for more information.

## About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit:  
[www.spirent.com](http://www.spirent.com)

## Benefits and Value

With a complete eCall satellite positioning test package:

- Conduct all relevant tests quickly and easily, as per EU Regulation No. 2017/79
- Performance testing: apply the tests in a range of scenarios and challenging environments
- Free up engineer hours for other essential work
- Accelerate eCall compliance for faster time to market



AMERICAS 1-800-SPIRENT  
+1-800-774-7368  
[sales@spirent.com](mailto:sales@spirent.com)

US Government & Defense  
[info@spirentfederal.com](mailto:info@spirentfederal.com)  
[spirentfederal.com](http://spirentfederal.com)

EUROPE AND THE MIDDLE EAST  
+44 (0) 1293 767979  
[emeainfo@spirent.com](mailto:emeainfo@spirent.com)

ASIA AND THE PACIFIC  
+86-10-8518-2539  
[salesasia@spirent.com](mailto:salesasia@spirent.com)