

## **IZT Signal Generators ready for testing eCall-Systems**

Erlangen, 18-12-04

IZT GmbH  
Am Weichselgarten 5  
D-91058 Erlangen

IZT expands the capabilities of its Signal Generators S1000 / S1010 in cooperation with TeleOrbit and TeleConsult Austria

**More information is available at:**

<https://www.izt-labs.de/press/>

**The European Union has deployed the emergency Call (eCall) system, which provides fast assistance in the event of a car accident. As a result, all new vehicles sold after the first quarter of 2018 in the European market, are required to have an In-Vehicle System (IVS) supporting eCall. These systems must be tested properly before being sold. Appropriate test equipment is produced by IZT.**

**Should any questions arise, please contact:**

Moritz Korn  
Phone: +49-9131-9162-566  
[presse@izt-labs.de](mailto:presse@izt-labs.de)

„IZT delivers a device that prepares customers in the automotive industry and their suppliers for current and future regulations and standards regarding eCall and adjacent band interference“, says Horst Heringklee, product manager for Signal Generators at IZT. The IZT S1000 / IZT S1010 Signal Generators with the GIPSIE® software combine several conventional test sources in one device and delivers highest performance.

It is possible to test eCall systems with the IZT S1000 / IZT S1010 Signal Generator in a combination with the GIPSIE® software which was

### **About IZT**

The Innovationszentrum für Telekommunikationstechnik GmbH IZT is a spin-off of the Fraunhofer-Gesellschaft, Germany's leading institution for applied research. Founded in 1997 in Erlangen, the company emanated from the Fraunhofer Institute for Integrated Circuits (IIS). The Innovationszentrum für Telekommunikationstechnik GmbH IZT specializes in the most advanced digital signal processing and field programmable gate array (FPGA) designs in combination with high frequency and microwave technology. The product portfolio includes equipment for signal generation, receivers for signal monitoring and recording, transmitters for digital broadcast, digital radio systems and channel simulators. IZT offers powerful platforms and customized solutions for high signal bandwidth and real-time signal processing applications. The product and project business is managed from the principal office located in Erlangen/Germany. IZT distributes its products worldwide together with international strategic partners. The IZT quality management system is ISO 9001:2015 certified.

developed in cooperation with TeleOrbit and TeleConsult Austria. The solution offers a compact multi-channel high-performance platform for complex and versatile testing in one device.

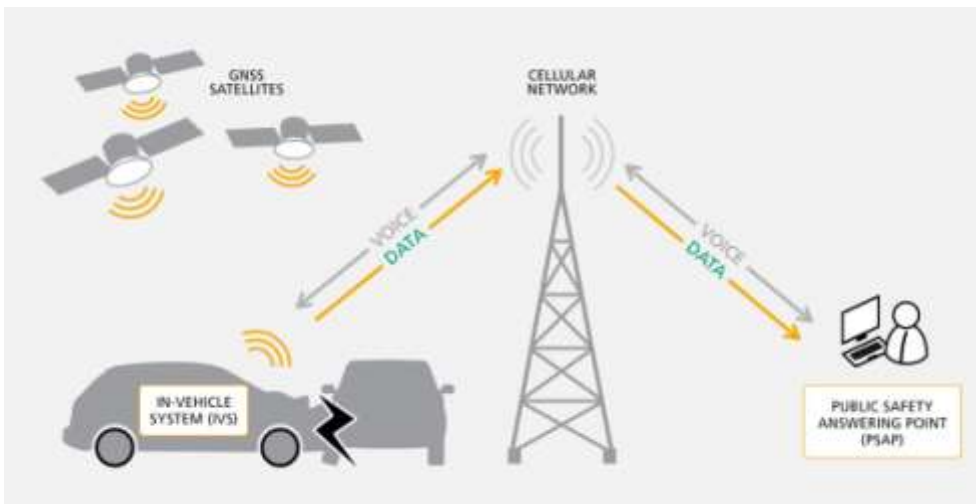
To ensure faster time to market and economical tests it is necessary to stimulate the IVS with standard conform GNSS signals in a laboratory to guarantee repetitive and standard conform testing. "The IZT GmbH delivers therefore a signal generator with the associated GIPSIE® GNSS software which is able to simulate various preinstalled scenarios to test the eCall systems", says Heringklee. The test scenarios are defined by the European Union Commission and they are mandatory when testing an eCall system.

### **One device for testing various applications**

Additionally to the new eCall regulations there is a new standard to safeguard GNSS-reliant devices from the impacts of adjacent band interference. This standard was created by European Telecommunications Standards Institute (ETSI). It ensures that any new or altered GNSS product launched in the EU can withstand a level of adjacent band interference and continue to operate without interruption. These systems also need to be tested. The IZT S1000 / IZT S1010 are able to test them cost effectively without any additional equipment.



*The innovative IZT S1010 Signal Generator with integrated memory extension.*



*The eCall-Unit sends data about location, time and type of accident and enables fast assistance.*