

PRESS RELEASE

ACCELERATING THE DIGITAL IN-CAR REVOLUTION

Benefit from 7layers, an expert in certification program development and smart world testing, to accelerate vehicle-to-X developments

Ratingen, Germany, 22 May 2017: In future, the world will experience a completely new kind of “mobile device”. The digital in-car revolution will turn our beloved vehicles into something more like a connected device on wheels! While passengers will have access to Internet, emails and entertainment just like at home, the vehicle itself will communicate with its environment for improved road safety, reduced congestion, smoother parking and other vehicle-connected services.

To bring such developments forward, the US Department of Transportation (US DOT) for example is currently working on a connected-vehicle certification program which is expected to be released this year. To support this development, the US DOT chose three certification service providers, one of which is 7layers, a company with many years' experience in developing certification programs for mobile devices and technologies. Their vision is to develop a self-sustaining certification program that supports the deployment of DSRC (dedicated short range communication) based vehicle-to-X (V2X) services. The US DOT program is expected to focus on the assurance of a minimum set of quality standards and to aim at ensuring interoperability of OEM equipment, eventually leading to a choice of connected-vehicle service systems. To achieve the necessary certification, testing must be conducted by independent third-party test laboratories. Based on its outstanding experience in testing and certifying wireless in-car technologies such as MirrorLink, DSRC, GNSS, and also Bluetooth®, Qi, GSM, LTE etc., 7layers is preparing to become one of the first laboratories able and ready to test in accordance with the upcoming US DOT standards.



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While the US is already paving the way for V2X services, Europe is currently lagging behind. Nevertheless, the first harmonized V2X services, which are widely applicable systems for automated emergency calls, are now ready to capture the market. Whereas ERA-GLONASS is already in operation in

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Russia, eCall-enabled cars are expected to be launched in the EU mid of next year. 7layers, together with its parent company Bureau Veritas, is prepared to support its customers with the required market access services.

eCall and ERA-GLONASS are defined by legal requirements. The proprietary V2X services that will be driving the digital in-car revolution however are not solely subject to existing legal requirements. Additional rules need to be in place if proprietary V2X services are to be reliable, safe and secure. "As an expert in wireless communications, 7layers has already supported the development of several proprietary verification & validation programs for the automotive sector", explains Angela Spielberg, Consultant, Technology & Services Development at 7layers. For future projects, such experiences can be ideally combined with our competence and involvement in the development of leading connected-car technologies such as cellular V2X or 802.11p." This capability, together with 7layers' web-based Interlab EVO Test Management System for efficient test and certification processes, forms a solid basis to bring future-oriented V2X services on the road to success.

About 7layers: 7layers is a group of engineering & test centers specializing in wireless technologies. The organization supports the development, testing and market access processes of connected devices, as well as the set-up and maintenance of smart IoT services. Stakeholders in IoT processes, such as manufacturers and suppliers of connected devices, wireless component manufacturers, network operators, application developers and the service providers themselves benefit from using 7layers services and supporting tools.

7layers services for connected devices encompass antenna and module integration; RF consulting; Radio/EMC testing, interoperability, field and conformance testing; certification as well as international type approval (RED, FCC, ISED Canada etc.).

IoT processes are supported with technical consulting, analysis of suitable technologies, reviewing requirements, benchmarking plus the development of specifications, quality policies, test specifications and test cases. 7layers also provides the new Interlab EVO Test Management System for the verification lifecycle management of connected devices and Smart Services.

7layers' service centers and/or accredited test labs are located in the USA, Germany and Asia. 7layers belongs to the Bureau Veritas Group, a global leader in testing, inspection and certification, serving a large variety of industries.

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