Cost-efficient monitoring and multiviewing solution from Rohde & Schwarz for broadcast and streaming media

Rohde & Schwarz will introduce R&S PRISMON, its new monitoring and multiviewing solution for audio/video services, to the public for the first time at NAB 2017. The solution is fully software-based and takes an innovative multistandard, multi-protocol approach. It supports traditional SDI signals and all relevant IP-based protocols, including MPEG-DASH, AIMS and ASPEN. Future protocols and media formats can be added via software upgrades, making R&S PRISMON a cost-efficient solution for all broadcast and streaming media service providers. R&S PRISMON is available as a standard IT platform and for the first time also as a cloud-based solution.

Munich, March 31, 2017 — Broadcast and streaming media providers are faced with an increasing number of fast-evolving transport standards and media formats. A rapid response to changing requirements is needed in order to ensure optimal encoding and transport of media content, both of which are key to providing an exceptional, high-quality media experience for premium pay TV customers, for example.

With the new R&S PRISMON, Rohde & Schwarz offers a flexible solution for automatic monitoring of transported broadcast and streaming media content. R&S PRISMON allows service providers to meet their contractual requirements with regard to service quality and availability in order to ensure customer satisfaction.

The new R&S PRISMON supersedes the successful BMM-810 monitoring solution from Rohde & Schwarz subsidiary GMIT GmbH. The BMM-810 already supplies the market with a unique protocol suite, including HLS, MSS/HSS, DASH, HDS, RTMP, HBBTV and IceCast, for OTT/streaming services.

Hannes Strobel, Vice President of Monitoring & Headend at Rohde & Schwarz, states: "R&S PRISMON takes the innovative monitoring functions from the BMM-810 to the next level, and it adds new functionality for use in playout and contribution environments. For the first time, a single instrument platform can now be used to monitor both contribution and distribution – including the dynamic field of streaming media services. With this solution, we envisage a major potential for cost savings and productivity improvements for our customers."

R&S PRISMON is fully software-based, making it a flexible and adaptable solution. It supports, among other features, the SDI, SMPTE 2022-1/2, SMPTE 2022-6, AIMS, ASPEN, HLS, DASH transport standards as well as media formats such as MPEG-2/4, HEVC and TICO. Future new standards and media formats can be added via software upgrades efficiently and flexibly. R&S PRISMON automatically detects dropouts and

content errors in realtime, using sophisticated monitoring functions such as "Video freeze with whitelisting" and "Video content compare".

A large number of channels – including those in UHD quality – can be monitored in parallel with R&S PRISMON and visualized in a straightforward manner on a multiviewer video wall. Using a mobile app, a cloud-based service from Rohde & Schwarz subsidiary GMIT transmits the collected monitoring data via a secure connection and displays it on mobile user equipment, allowing technicians for the first time to quickly identify and assess the sources and effects of errors without requiring an on-site visit.

R&S PRISMON is easy to set up and operate via its intuitive, web-based user interface. It is up and running within a very short time and can be administered via SNMP or remote API. Users can conveniently adjust the layout of the multiviewer video wall to their specific needs using graphical editors. R&S PRISMON allows fast and easy operation and administration under widely varied operating conditions.

The R&S PRISMON monitoring and multiviewing solution is now available from Rohde & Schwarz on hardware at various performance levels and as a cloud-based installation. Come and visit us at NAB 2017, booth SL 1205.

Press contacts:

Europe (headquarters): Patrizia Muehlbauer, Phone: +49 89 4129 0, E-mail: press@rohde-schwarz.com

North America: Pam Sanders, Phone: +1 410 910 7908, E-mail: pam.sanders@rsa.rohde-schwarz.com

Asia Pacific: Wen Shi Tong, Phone: +65 6 307-0029, E-mail: press.apac@rohde-schwarz.com

Contacts for readers:

Customer Support Europe, Africa, Middle East: +49 89 4129 12345
customersupport@rohde-schwarz.com

Customer Support North America: +1 888 TEST RSA (+1 888 837 87 72)
customer.support@rsa.rohde-schwarz.com

Customer Support Latin America: +1 410 910 79 88
customersupport.la@rohde-schwarz.com

Customer Support Asia Pacific: +65 65 13 04 88
customersupport.asia@rohde-schwarz.com

Customer Support China: +86 800 810 8228 or +86 400 650 5896
customersupport.china@rohde-schwarz.com

Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.

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