Press Release – for immediate publication

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RAVENNA/AES67 gets ready for ST2110 at IBC 2017

Are you ready for ST2110? We are!

Now that the IP revolution has well and truly taken hold and is becoming an integral part of our daily broadcast media workflow, IBC 2017 is looking to be one of the most IP network-centric shows yet. As an initial set of SMPTE ST2110 studio video-over-IP standard documents approaches publication, RAVENNA once again demonstrates its strength in future-proof design and scalable flexibility.

While AES67 has been an integral part of RAVENNA since its publication in 2013, RAVENNA can now also demonstrate full compatibility with the requirements of the emerging ST2110 standards family.

Firstly, the clocking principle and transport protocols defined in ST2110-10 and ST2110-30 are fully in line with RAVENNA technology. The RAVENNA system timing was designed on the principles of IEEE1588-2008 (PTPv2), just as SMPTE ST2059-2 which is the fundamental timing standard for ST2110; consequently, RAVENNA fully supports the requirements of ST2059-2.

On the transport side of things, ST2110 is based on AES67 with a few caveats. Since RAVENNA inherently incorporates AES67 but actually provides performance and flexibility well beyond the requirements of AES67, it therefore complies fully with the audio format requirements set out in ST2110-30.

ST2110 will be featured in the **IBC IP Showcase** located in room E106 near Hall 8 where RAVENNA devices from several manufacturers will be part of the ST2110-based workflow demonstrations. The IP Showcase is set to be one of the most important events during IBC, following its huge success at NAB in April. RAVENNA technology evangelist, Andreas Hildebrand, will once again be taking the floor during the IP Showcase for an educational session on the relationship between AES67 and the audio parts of the ST2110 suite of standards. He'll be giving a brief overview of the basic principles of AES67 and the commonalities, differences and constraints defined in ST2110 with regard to synchronization and transport of audio essence streams.

Also part of the IP Showcase will be a connection management demonstration based on the latest **AMWA NMOS IS-05** specifications. A Lawo A_mic8 device running RAVENNA will be part of this demo, offering further proof of the openness and future-proof architecture of RAVENNA technology. Around the corner on the RAVENNA booth #8.F57 a fully working demo rack with a mixture of newly introduced and well-established RAVENNA-enabled devices from Merging, Genelec, Lawo, Sonifex, Riedel, Digigram, DirectOut & DHD is on display. Visitors are invited to stop by and have a chat about how RAVENNA can improve their workflow and learn why RAVENNA is the most flexible way towards the integration of AES67 and ST2110 capabilities into their products.

About RAVENNA:

RAVENNA is a technology for real-time distribution of audio and other media content in IP-based network environments. Utilizing standardized network protocols and technologies, RAVENNA can operate on existing network infrastructures. RAVENNA is designed to meet the strict requirements of the pro audio market featuring low latency, full signal transparency and high reliability.

While primarily targeting the professional broadcast market, RAVENNA is also suitable for deployment in other pro audio market segments like live sound, install market and recording. Possible fields of application include (but are not limited to) in-house signal distribution in broadcasting houses, theaters, concert halls and other fixed installations, flexible setups at venues and live events, OB van support, inter-facility links across WAN connections and in production & recording applications.

Unlike most other existing networking solutions, RAVENNA is an open technology standard without a proprietary licensing policy. RAVENNA is fully compatible with the AES67-2015 standard on *High-performance Streaming Audio-over-IP Interoperability*. Liaisons with standards organizations and industry alliances (e.g. AES, AIMS, AMWA, MNA, SMPTE and others) ensure the close alignment of RAVENNA technology with current industry trends.

About ALC NetworX GmbH:

ALC NetworX is an R&D company in Munich, Germany. A team of experts with excellent reputation from the Pro Audio industry and in-depth knowledge in networking technologies has developed the RAVENNA technology platform. While ALC NetworX will continue to keep the lead role in the RAVENNA technology development, product implementations will be executed by individual partner companies, such as Archwave, Genelec, Lawo, Merging, Riedel, Sonifex, Ward-Beck and others. For a complete list of current partner companies, please see http://www.ravenna-network.com/partners/.

Interested manufacturers are welcome to join the RAVENNA partner community.

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