



Germany's HanseNet Implements Harmonic's Forward Error Correction Capabilities to Enhance IPTV Video Quality

April 21, 2009

Utilizes Harmonic's Multi-Function ProStream(TM) 1000 Stream Processing Platform to Provide Scrambling and FEC for Higher Quality Video Service

LAS VEGAS, Apr 21, 2009 (BUSINESS WIRE) -- Harmonic Inc. (NASDAQ:HLIT) today announced that HanseNet Telekommunikation GmbH, a wholly owned subsidiary of Telecom Italia, has implemented Harmonic's ProStream(TM) 1000 stream processing capability for forward error correction (FEC) of the more than 100 digital TV channels delivered as part of HanseNet's Alice IPTV service in Germany.

By leveraging the versatile ProStream 1000 platform, already deployed at HanseNet with Harmonic's ProCipher(TM) scrambling technology, HanseNet was able to efficiently add Pro-MPEG FEC without investing in new hardware, lowering both capital and operating expenditures. HanseNet also utilizes Harmonic's market-leading DiviCom(R) Electra(R) MPEG-4 AVC (H.264) encoders and NMX Digital Service Manager(TM) to power the Alice video service.

In an IP-based video service in which data packets can be lost or corrupted during transmission, FEC enables the restoration of the video to its original state--a critical capability for provisioning superior quality high definition (HD) and standard definition (SD) TV. The Institut für Rundfunktechnik, a leading research institute for public-broadcasting organizations in Germany, Austria and Switzerland, has worked with Harmonic and HanseNet to verify compatibility with the DVB IPTV standard.

"We have been working with Harmonic since the launch of our Alice IPTV service in 2006," said Jens Pape, Director IT and New Services of HanseNet. "Harmonic's IPTV headend solutions provide excellent encoding at low bit-rates and a simple solution for scrambling and service management. Now, with the addition of the FEC capabilities, we are able to improve video quality even further and provide our viewers with a better user experience."

"We have been testing the IPTV services offered by HanseNet," said Wolfgang Graf, General Manager Television of Institut für Rundfunktechnik. "The services comply fully with the relevant DVB standards."

The dense and highly flexible ProStream platform is the world's first multi-functional stream processing system, capable of being configured to support FEC, multiplexing, DiviTrackIP(TM) statistical multiplexing, ProCipher scrambling and descrambling, Mentor(TM) re-encoding and single frequency network (SFN) transmission over IP. The compact and scalable 1-RU ProStream can transmit and receive up to 128 single program transport streams (SPTS) or eight multiple program transport streams (MPTS) with forward error correction.

"Harmonic recognized the trend toward IP-based video delivery several years ago and has remained focused on providing video service providers with the most innovative and highest quality solutions to deliver a best-in-class IPTV service," said Yaniv Ben-Shushan, Product Marketing Manager for Harmonic Inc. "HanseNet's successful Alice service and the implementation of the FEC capabilities on the ProStream 1000 platform is an example of how we can work with our customers to simply and cost-effectively enhance the video service."

About HanseNet

The HanseNet telecommunication company was founded in Hamburg at 1995. HanseNet operates for 2,344 million private and business customers a high modern communication network and offers one stop mobile phone, landline as well as broadband - and internet services. The turnover increased in the last four years from 161.1 million (2004) to 1.190 billion Euro (2008).

Exclusive shareholder is Telecom Italia. Alice is available in more and more regions. More information about HanseNet, Alice and SPARKLE is found at www.alice.de or www.hansenet.de.

About Institut für Rundfunktechnik

The Institute fuer Rundfunktechnik has been committed to preserving broadcasting in Germany and abroad. This commitment also extends to new markets and modern requirements - now and in the future. IRT's extensive experience enables it to provide its associates and clients with reliable and knowledgeable service every step of the way, from the development of new broadcasting/media technologies to their implementation.

Its associates are the following public broadcasters: ARD, ZDF, DRadio, ORF and SRG/SSR. In addition, the institute collaborates not only with numerous clients in the broadcasting, media, communications-engineering and IT sectors, but also with various research organizations and institutions of higher education.

About Harmonic Inc.

Harmonic Inc. is a leading provider of versatile and high performance video solutions that enable service providers to efficiently deliver the next generation of broadcast and on-demand services including high definition, video-on-demand, network personal video recording and time-shifted TV. Cable, satellite, broadcast and telecom service providers can increase revenues and lower operational expenditures by using Harmonic's digital video, broadband optical access and software solutions to offer consumers the compelling and personalized viewing experience that is driving the business models of the future.

Harmonic (NASDAQ:HLIT) is headquartered in Sunnyvale, California with R&D, sales and system integration centers worldwide. The Company's

customers, including many of the world's largest communications providers, deliver services in virtually every country. Visit www.harmonicinc.com for more information.

This press release may contain forward-looking statements within the meaning of Section 27(A) of the Securities Act of 1933 and Section 21(E) of the Securities Exchange Act of 1934, including statements related to: improving video quality even further and providing viewers with a better user experience.

Our expectations and beliefs regarding the capabilities of Harmonic's forward error correction and the anticipated benefits for HanseNet may not materialize, and actual results could differ materially from those projected. The forward-looking statements contained in this press release are also subject to other risks and uncertainties, including those more fully described in Harmonic's filings with the Securities and Exchange Commission including its recent Reports filed on Form 10-K and Form 10-Q. Harmonic does not undertake to update any forward-looking statements.

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