



Harmonic Enables World's First Single Frequency Network Transmission Over IP For Teledifusion Madrid

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IP-Based Solution Reduces Capital and Operating Expenses While

Ensuring High Quality DVB-T Broadcast Service Delivery

SUNNYVALE, Calif.--(BUSINESS WIRE)--Nov. 15, 2006--Harmonic Inc. (NASDAQ:HLIT) today announced that Teledifusion Madrid, a digital terrestrial television provider in Spain, has deployed Harmonic's versatile ProStream(TM) 1000 stream processing platform to power the world's first single frequency network (SFN) broadcast transmission over an IP network. Deployed in conjunction with Telindus, a leading sourcing partner in the region that provides consultancy, integration and maintenance services, the new SFN services were launched in Madrid in September. The IP-based Harmonic solution also includes DiviCom(R) Electra(TM) 1000 encoders and DiviTrackIP(TM) statistical multiplexing.

Terrestrial broadcasters like Teledifusion Madrid need to transport content from local studios to a central headend, and then on to a number of remote transmitter sites, which requires precise timing for synchronized broadcasting. Harmonic's ProStream solution eliminates the complexities previously associated with operating a SFN architecture over IP, and provides significant cost savings in terms of both capital and operating expenditures. At Teledifusion Madrid, the Electra encoders are used to transmit content from the studios to the central headend, where the ProStream 1000 aggregates the services into DVB-T transports, which are then distributed over IP to the various transmitter sites and received by local ProStream 1000 systems.

"Harmonic brings a whole new approach to SFN transmission with this new IP-based solution," said Fernando Ruano, CEO of Teledifusion Madrid. "Harmonic's unique and high performance compression and stream processing solutions which include native IP and SFN support are making it possible for us to incorporate a more flexible and efficient infrastructure and deliver the highest quality video to consumers. The ProStream 1000 allows Teledifusion Madrid to dramatically lower our costs while also providing a reliable and accurate system for our broadcast services."

"For several years, Harmonic has been at the forefront of developing IP-centric video delivery solutions," said Nimrod Ben-Natan, Vice President of Solutions and Strategy for Harmonic Inc. "As the world's first solution that can support SFN over IP, the ProStream 1000 stream processing platform enables Teledifusion Madrid and other terrestrial operators to further capitalize on the benefits of IP while also simplifying the operation of their video infrastructure. The comprehensive Harmonic solution, which also includes the bandwidth-efficient Electra encoders and industry-leading DiviTrackIP statistical multiplexing, also provides high quality broadcast video services at lower bit-rates, improving service carrying capacity."

Harmonic's ProStream 1000 is the industry's first video processing solution that can be easily configured to provide a wide range of digital video stream processing functions -- including multiplexing, scrambling, bulk descrambling, re-encoding and SFN over IP -- within an integrated one rack-unit system. The Teledifusion Madrid solution was implemented in conjunction with Telindus, a leading European sourcing partner. Together, Telindus and Harmonic bring unparalleled experience and expertise to deliver superior broadband access and digital video solutions to a variety of customers in the region.

About Teledifusion Madrid

Teledifusion Madrid, founded in 2005 by the local digital TV broadcasters, provides broadcasting and transmission services in Madrid area for TV, radio, text and data.

Teledifusion Madrid is deeply involved in the process of promoting Digital Terrestrial Television in Madrid and is taking a very active part in the development and implementation of value added services related to DTT.

About Telindus Group

Telindus offers ICT Solutions and Services on an international level. Telindus serves business, service provider and public market needs. Telindus has been active for over 36 years and posted a turnover of EUR 618 million in 2005. With 2600 employees, Telindus is present in 13 countries in Western Europe, Hungary, China and Thailand. Telindus is headquartered in Belgium. www.telindus.com.

In January 2006, Telindus joined the leading telecommunications company in Belgium, Belgacom (www.belgacom.be), to become the IT Services Branch of a new business leader in the market. Belgacom and Telindus are building a Belgian champion in the European IT landscape, presenting the market a unique offering, uniting Connectivity and IT Services.

About Harmonic Inc.

Harmonic Inc. is a leading provider of digital video, broadband optical networking and IP delivery systems to cable, satellite, telecom and broadcast network operators. Harmonic's open standards-based solutions for the headend through the last mile enable customers to develop new revenue sources and a competitive advantage by offering powerful interactive video, voice and data services such as video-on-demand, high definition digital television, telephony and Internet access.

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 contains 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 the deployment of Harmonic's ProStream 1000 stream processing platform to power

the world's first single frequency broadcast transmission over an IP network.

Our expectations and beliefs regarding the capabilities of ProStream 1000 and the benefits provided to Teledifusion Madrid 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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