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Motorola Mobility Deploys Industry-First Broadband Infrastructure Advancement, Bringing Consumers Top-Speed Internet Access

Cablevision Mexico and Norwood Light Broadband successfully implemented SCMDA technology in North America and Latin America; Solution doubles operators' upstream throughput potential using existing DOCSIS® standards

ORLANDO, Fla. – SCTE Cable-Tec Expo 2012 – October 17, 2012 – At the [SCTE Cable-Tec Expo](#), [Motorola Mobility](#) today announced the industry's first successful deployment of the innovative DOCSIS Synchronous Code Division Multiple Access (SCDMA) technology at [Cablevision Mexico](#) in Latin America and is in the final stages of testing at [Norwood Light Broadband](#) in North America. Leveraging the [BSR 64000 Cable Modem Termination System/Edge Router](#) and its high-density [RX48 Decoupled Upstream Module](#), the DOCSIS SCDMA technology allows cable operators large and small to extend the spectrum that may be utilized in the limited upstream portion of the HFC network thereby enhancing their High Speed Internet service offering.

Building on the company's heritage of spearheading broadband network evolution, Motorola's field-ready SCDMA solution is a standardized specification designed to optimize the 5 MHz to 42 MHz of the DOCSIS and EuroDOCSIS 5 MHz to 65 MHz upstream portion of the RF spectrum. Motorola's SCDMA technology addresses a common challenge for many cable operators that occurs when excess impulse and ingress noise impacts throughput performance on high speed DOCSIS broadband networks. By enabling SCDMA, cable operators can gain back once unusable or low performing upstream spectrum below 20 Mhz and above 40Mhz for DOCSIS. By doing so, cable operators worldwide can maximize investments in their current broadband infrastructure efficiently and cost-effectively boost cable upstream speeds, which support symmetrical business services, video conferencing, and cloud based services.

Customers deploying Motorola's SCDMA solution will also leverage Motorola's industry-leading noise immunity and receiver sensitivity that is available on today's RX48 Upstream Module. Together with SCDMA, these capabilities help Operators to further expand their RF spectrum usage and enable support for additional value added services to their customers.

"Although at a slower rate of growth than downstream broadband, demand for upstream capacity continues to increase at a rate of approximately 1.3x annually. With SCDMA activated, operators can easily establish higher tier upstream services by simply leveraging once unusable portions of the existing upstream RF spectrum," said Sean Welch, Vice President of Network Infrastructure at Motorola Mobility. "These SCDMA deployments— an industry first – reinforce Motorola's vision of responsible network evolution that provides our customers confidence that we continue to innovate and offer the most cost effective approaches to maximize their investments and extend the lifecycle and value of our BSR 64000."

"DOCSIS SCDMA is one of the best kept secrets in the myriad of DOCSIS 2.0 and 3.0 features and applications. Motorola's expertise in network characterization and SCDMA demonstrates Motorola's ongoing commitment to innovate and support the ever changing needs of cable operators," said Israel Madiedo, CTO of Cablevision SA de CV. "People are naturally consuming more bandwidth as new devices, such as smartphones and tablets, continue to proliferate. Motorola's SCDMA solution enables us to address the growing strain these connected devices, cloud-based services and Internet traffic place on the return path."

DOCSIS SCDMA was first introduced in the DOCSIS 2.0 standards. It was often trialed, but initial growth in upstream bandwidth was easily handled within the 20MHz to 40 MHz portion of the upstream RF spectrum. Fast forward, the demand for upstream bandwidth is now exceeding the 20MHz to 40MHz throughput capacity and the need to find new upstream capacity is happening now. As content continues to migrate to IP and network requirements evolve, SCDMA combined with the RX48 empowers cable operators through a solution that extends the utility of the cable broadband network allowing for more competitive service offerings and supporting future IP technology.

Key benefits of BSR 64000 DOCSIS SCMDA include:

- Higher peak speeds in the upstream by enabling more channels for DOCSIS 3.0 bonding
- Higher speed to legacy DOCSIS 2.0 modem users through improved modulation capacity
- The ability to deliver 100 Mbps of broadband throughput using only three bonded DOCSIS channels, where competitors need four bonded channels
- Achieving rates as high as 140 Mbps using four bonded DOCSIS channels
- Deferred HFC plant upgrades driven by upstream capacity restraints

For more on Motorola Mobility's activity at the SCTE Cable-Tec Expo, please visit our [virtual press center](#) or stop by the **Motorola Booth #2812** to see demonstrations of the company's latest technology.

Please visit our blog, [MediaExperiences2Go](#) and follow us on Twitter [@Motomedia2go](#) and [#scteExpo](#).

About Motorola Mobility

Motorola Mobility, owned by Google, fuses innovative technology with human insights to create experiences that simplify, connect and enrich people's lives. Our portfolio includes converged mobile devices such as smartphones and tablets; wireless accessories; end-to-end video and data delivery; and management solutions, including set-tops and data-access devices. For more information, visit motorola.com/mobility.