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## MoCA – a better access technology than DSL

***Paris, September 27, 2011* – Today, DSL is the preferred access technology among broadband operators, using twisted-pair copper wiring originally only intended for telephony. The proven MoCA technology, using the existing and technically superior, in-house coaxial network is an exciting alternative to DSL. InCoax Networks has leveraged the MoCA home networking technology for use in multi-apartment buildings and building areas, providing 100 Mbps to each home today and Gbps tomorrow. InCoax is demonstrating its technology at the Broadband World Forum in Paris, booth A6.**

MoCA (Multimedia over Coax Alliance) is a home networking technology, using existing in-building coaxial cables as a mesh network, developed into an industry standard. It connects computers, games consoles, DVR's and other home appliances which can communicate over mesh network nodes in a home. The MoCA technology has a very high acceptance in American homes, supported by most major industries and more than 50 million MoCA-based chip-sets for different types of devices have been delivered. MoCA is the only home entertainment-networking standard used by all three pay-TV segments –cable, satellite and IPTV.

MoCA has a well-proven communication protocol over existing coaxial cables. By re-designing the network architecture to a point to multi-point architecture it is possible to use the technology as an in-building access technology for Fiber to the Building (FTTB) implementations. InCoax Networks has a proven solution for such an application.

InCoax MoCA-based access solution has a backbone fiber connection with Gigabit capacity, connected to a central Coax Link Controller (CLC) which is installed after last Cable-TV or Terrestrial TV amplifier. The CLC communicates over the passive coaxial cable with a modem in each apartment. It can operate over any type of coaxial network since the CLC establishes an individual encrypted data stream with each modem.

This solution has several advantages compared to a DSL solution, as VDSL. The coaxial cable is shielded and capable of transporting signals at higher frequencies, thus reducing interference or crosstalk from other networks. It reaches the entertainment hub of the home where the TV set is located, at any antenna outlet in the apartment – perfect for IPTV and Web-TV. Today, the performance starts with 100 Mbps and within three years the technology will provide up to 1000 Mbps.

InCoax delivers an innovative access solution based on MoCA, Gigabit over Coax Access (GoCA), for broadband access through the coax networks within buildings and building areas. It is powered by Entropic Communications' Ethernet over Coax (EoC) chip-sets, complying to the MoCA standard.

The GoCA solution consists of one or more CLC in each building or building area and a Coax Link Access Modem in every home. Together with the Coax Link Management system it enables formation of a full access network using the existing coax network. A CLC provides

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up to Gbps data bandwidth over the network and was designed as a low-cost and easy-to-deploy solution and is thus cost-effective.

The GoCA solution is scalable and a single Coax Link Controller supports up to 124 clients, with rate control on per client basis. Operating above the regular TV signals and providing frequency agility between 800 MHz and 1500 MHz one can add additional Coax Link Controllers to support even more clients. In addition, delivering operator-class robustness and unmatched bandwidth over long distances, the GoCA solution represents the highest performance benchmark.

“We see an increasing demand from broadband operators around Europe for a reliable and cost-efficient access alternative to VDSL. A copper-line based VDSL solution is not always an alternative due to speed, interference and crosstalk problems”, says Helge Tiainen, Product Marketing Manager at InCoax Networks.

**For more information:**

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### **About InCoax Networks Europe AB**

InCoax Networks AB is engineering the future of home access networking and provides next-generation 100+ Mbps products and software technologies to the world's leading telecom and broadband service providers. Since the Company is a worldwide pioneer in the MoCA-access area, many telecommunication and broadband operators around Europe already uses its innovative solutions for high-speed broadband access.

The Company's technology uses existing in-building coaxial cables at frequencies above 862 MHz, thus transforming the way in which telecom and broadband operators can deliver high-speed Internet and high-definition (HD) IPTV to the entire home.

The InCoax Head Office is located in Sweden and the Company is driven by Sweden's long tradition in the telecom industry. For more information, visit InCoax at [www.incoax.com](http://www.incoax.com)