TIA 2012
INSIDE THE NETWORK
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TIA 2012 Special Conferences

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Network Application Enablement

DESCRIPTION: Leading operators, faced with competition from multiple directions, are turning their attention towards opening their networks and exposing network capabilities for consumption by application developers on-demand. Referred to as Telco 2.0 or network as a service, this new model enables new "two-sided" business models, and fosters and environment of application enablement. This conference details the thinking behind this radical shift in the network operators business model, and explores the value proposition as the operator's network and billing capabilities become marketable resources with multiple features that are attractive and readily available to enterprises, web service providers and application developers.

Grid Communications

DESCRIPTION: Smart Grid is the most widely used industry buzzword, but it is actually a two-way digital communications network designed to deliver value through multiple applications running on the same infrastructure. The fundamental aspect of a Smart Grid is the communications network layer — an industry-wide, interconnected IP communications network, which allows for fast and integrated deployment of these Smart Grid applications. Furthermore, a strong opportunity exists for telecoms operators to enter the power market by providing infrastructure and services for smart grids, or in partnership with utility and power distribution companies. In this special conference, we focus on the energy network itself; the communications protocols and systems that control demand and response, grid automation and many more Grid applications, such as the integration of the electric vehicles, or renewable energy sources into the grid. You also focus on technology, the new ICT infrastructure that mandates utilities to design and manage energy delivery in innovative ways.

Cyber security and Critical Infrastructure Protection

DESCRIPTION: Security Management has always been an important component of network operations. In today's growing cyber world, where a nation's vital communications and utilities infrastructure can be brought down in minutes by hostile attacks, the need for critical infrastructure protection (CIP) and advanced cyber security is at an all-time high. The risks are far greater than ever before because dependencies, threats and consequences have become greater. This Educational Track is designed to offer information and education on standards-based frameworks (information, process, application, and integration), technology solutions and business best practices to meet the evolving cyber threat.

In-Home Energy Management Services

DESCRIPTION: Technology firms from set-top box manufacturers to WiFi and Zigbee vendors to telcos — all see the in-home market for technology and services as a bold new area for revenue growth. Until recently, however, the Home Area Network has been stifled in its rollout, due to the lack of any

real value or application for consumers. That has changed with the onset of funding and attention to consumers managing energy consumption. According to one report, Smart Homes, Home Are Networks (HANs) and Home Energy Management (HEM) systems all represent a tidal wave of new technology spending. This Educational Conference is designed to offer information about all aspects of connecting the living space — temperature, entertainment, lighting, communication — including the technology, protocols, and business applications driving new service revenue.

Network Recycle, Reuse and Mineral Mining

DESCRIPTION: Telcos consistently upgrade technology in their networks. This creates a problem. With literally tons of legacy equipment being displaced annually that has no re-use demand, what is the right thing to do with these end-of-useful-life electronics? The problem is international in scope and most other countries have passed or are passing legislation about how to deal with it. The objective of this conference is to establish a platform for information exchange, best practices and standards for our industry develop a shared vision of what truly sustainable electronics should look like.