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INTRODUCTION

Dear WiMAX Community,

This May the **WiMAX Forum** continued to expand its presence in industrial sectors with an appearance at **UTC Telecom World**, held in Houston, Texas. At the event **Declan Byrne**, President of the WiMAX Forum, joined other senior thought leaders in a **Panel Session** on wireless technologies in the Smart Grid. Panelists during the session addressed the fact that communications networks that support utility applications are undergoing unprecedented change, and wireless technology is emerging as an optimal solution in many environments. UTC's own research predicts that wireless technology spending will outpace that of other communications technologies within three years.

WiMAX was a major topic of conversation during the session, which included a representative from Alcatel-Lucent who boasted that his company has deployed more WiMAX than any other company in USA for Smart Grid. WiMAX was also a major topic elsewhere within the event. Center Point Energy, the main sponsor of UTC Telecom 2013, talked extensively about its Houston-based WiMAX network; and, IBM also gave an excellent presentation that touted the benefits of WiMAX as an affordable, effective solution for Smart Grid networks.

In addition to WiMAX technology's place on the main program; the WiMAX Forum held a special **Smart Grid Working Group** meeting at UTC Telecom World. The meeting included participation from **Applied Communication Sciences, BC Hydro, CelPlan Technologies, Cisco**, City of Houston, **GE Energy, HydroOne Networks**, Powertech Labs, **Xcel Energy** and the WiMAX Forum.

Overall May's activities were an excellent continuation of the WiMAX Forum's momentum from last month, which included a successful presentation at the ICNS conference. Our organization is quickly gaining an increasingly visible role in vertical markets, and we look forward to continuing to serve our members by unlocking new opportunities for WiMAX operators and vendors alike. Next month the WiMAX Forum will continue to attend industry events, including the WBA's Wi-Fi Global Congress, CommunicAsia, and the GSMA's Mobile Asia Expo.

If you have any questions regarding any of this, or any of our organization's other activities, please reach out to us.

Best Regards,

The WiMAX Forum

EVENTS

In May, the WiMAX Forum continues to stay busy planning and attending events. The WiMAX Forum team is looking forward to seeing you at our events this year. Following is the summary of the upcoming events:

Wi-Fi Global Congress 2013



The vast developments and growth within the Wi-Fi ecosystem has left many open questions for new and established players. The WBA Wi-Fi Global Congress offers a unique chance to meet with the world's senior executives within the ever expanding ecosystem to find out how to deploy, monetise, integrate and evolve your Wi-Fi capabilities or products to the next generation.

The WiMAX Forum is proud to support the WBA's Wi-Fi Global Congress.

For additional information please visit: [Wi-Fi Global Congress 2013](#)

CommunicAsia 2013



CommunicAsia 2013 is Asia's largest integrated info communication technology event, and is instrumental in connecting the ICT industry. Industry professionals from around the world congregate at this annual event to obtain industry updates, witness product / service launches, optimize business opportunities and gain insightful knowledge from the industry's experts.

This year the WiMAX Forum is proud to partner with CommunicAsia as a supporting organization. As part of this collaboration, **WiMAX Forum members will receive a 15% discount** off the normal registration fee to attend.

For additional information please visit: [CommunicAsia 2013](#)

The WiMAX Forum has plans to host and participate in other events over the course of 2013. As details concerning these events are finalized, we will be certain to keep you informed.

If you have any questions regarding the WiMAX Forum events, please contact Alessandra Rocha at Alessandra.Rocha@WiMAXForum.org.

For more information about our events please visit: [WiMAX Forum Events](#)

MEMBERSHIP SERVICES

There are currently 119 members of the WiMAX Forum in good standing.

The WiMAX Forum would like to extend a special welcome to the newest members & applicants in 2013:

- **Busyinternet**
- **Synkro Southwest, LLC (Local Loop)**
- **Xcel Energy**

The WiMAX Forum is committed to delivering the value necessary for our members to get the most of their association with the WiMAX Forum and we are always happy to engage with individual members to discuss how WiMAX Forum can better serve its membership.

If you have questions regarding your membership, please contact Raul Rigo at Raul.Rigo@WiMAXForum.org; +1-305-582-7590.

The WiMAX Forum is the best place for our members to access, leverage and influence the growth and development of the WiMAX industry. So be a leader in WiMAX and step up to get involved today!

DOCUMENTS & LINKS

The WiMAX Forum has many programs and initiatives planned for this year, including hosting the Operator Summit Series and quarterly Member Conferences. If you are not familiar with how to get the most out of your existing WiMAX Forum membership, please refer to the following documents:

- **WiMAX Forum Certification Program Overview**
- **WiMAX Public Key Infrastructure (PKI) (X.509 certificates)**
- **Technical Activities and Working Groups**
- **WiMAX Forum Events Overview and Calendar**
- **Contact Information for Regional Offices**
- **Procedures for Registration & Kavi Tutorial**

These documents will assist you with the integration of your company into our organization. We look forward to your participation in the WiMAX Forum this year.

Please send a message to membership@wimaxforum.org, if you have any questions or comments.

WORKING GROUP

The WiMAX Forum **Working Groups** are the key to the development of WiMAX technology. Working Groups are chartered by the WiMAX Forum to bring together content experts from member companies to contribute to and harmonize documents and specifications and perform other tasks that the WiMAX Forum has determined to be necessary or useful. Principal members of the forum have the opportunity to participate as officers of working groups when there are vacancies.

The WiMAX Forum organizes its technical activities through a number of Working Groups that produce technical requirements, technical specifications or advise the forum. These groups are coordinated by the Technical Steering Committee. The WiMAX Forum Working Groups include:

- **AWG** - Aviation Working Group - *Procedures & Aviation Initiative*
- **CWG** - Certification Working Group - *Technical*
- **GRWG** - Global Roaming Working Group - *Technical*
- **NWG** - Network Working Group - *Technical*
- **RWG** - Regulatory Working Group - *Advisory*
- **SPWG** - Service Provider Working Group - *Requirements*
- **SGWG** - Smart Grid Working Group - *Requirements & WiGRID Initiative*
- **TWG** - Technical Working Group - *Technical*

If you are not a member of a Working Group yet, you can request to join on the group's **Home Page**. Or if you want to take an active role in one or more of the Working Groups, you can use the group chair link on that same page to contact the chairman of the group and to see how you can help.

We still have remaining vacant officer positions. If you or someone from your company is interested in becoming an officer of a Working Group, please contact that working group's chair or the TSC chair for details.

- **AWG** - Chair
- **NWG** - Vice Chair & Secretary
- **SGWG** - Vice Chair, 2nd Vice Chair & Secretary
- **TWG** - Chair & Secretary

Your participation is important to the WiMAX community!

Working Group Meetings are held in-person ("face-to-face") or by teleconference. Dates and venues shall be determined taking into account Working Group needs and requests. To encourage cross Working Group discussions in support of the overall program goals, the WiMAX Forum co-locates the face-to-face meetings of multiple Working Groups at our Member Conferences.

You can learn more about the Working Group activities by visiting the member's area in Kavi and viewing the outcome of recent Working Group sessions or joining groups to receive emails related to that group's activities. Working Group activity is integral to the success of the Forum.

If you or your company is interested in nominating someone for a working group leadership role, please contact Rich Hawkins at Rich.Hawkins@WiMAXForum.org

SMALL CELLS UPDATE

Gemtek Debuts Cost-Effective WiMAX Small Cells System

Gemtek, a first-tier Taiwan-based network equipment maker, presented its WiMAX Small Cell Solutions during Chairman Dr. Mo Shakouri's visit to Taiwan late April. With features of high price/performance ratio, easy installation and comprehensive solution for versatile vertical applications, Gemtek's small cells system has passed several field trials including the Central Taiwan Science Park (CTSP) in Taichung, Taiwan. Mo was impressed with the performance of Gemtek's WiMAX Small Cell system when he visited the CTSP where two WiMAX femto cells were installed at the second and fourth floor of the administrative building. The demonstration included handover between the two femto cells as well as between femto cells and pico cells outside the building.



Mo was impressed with the performance of Gemtek's WiMAX Small Cell System during his recent visit to Central Taiwan Science Park in Taichung, Taiwan.

Compliant with WiMAX Forum Network Working Group (NWG) requirements and providing good indoor coverage capability, Gemtek's WiMAX Small Cell Solutions include Dynamic Host Configuration Protocol (DHCP) server or Starent's Home Agent, software based light Access Services Network Gateway (ASN-GW), Pico Access Point (AP) with sector antenna and Omni antenna.

Having passed R1 interoperability tests with chip vendors Beceem, MTK, Sequans, R6 with ASN-GWs from Wichorus, Starent and Benu, and R3 Authentication, Authorization, Accounting (AAA) with BridgeWater and Aradial, Gemtek has also successfully conducted field trials with WiMAX operator Global Mobile Corp. (GMC) at Nangang Station of Taipei Mass Rapid Transit (MRT) with downlink (DL) throughput of 26 Mbps. More field trials are underway in other cities in Taiwan and overseas operator lab sites.

Gemtek manufactures a large variety of WiMAX devices and is highly interested in the WiMAX Forum Request for Proposal (RFP) device group purchase program.

About Gemtek:

Being a leading global supplier in wireless broadband communication solutions, Gemtek provides strong support to telecom operators, enterprise customers and retail brands with advanced system integration skills in cloud system management, green life networking, and digital home applications. Specialized in RF/Microwave design, software engineering, and manufacturing excellence, Gemtek collaborates with worldwide partners to realize the enormous potential of a wireless broadband world. Please check out [Gemtek](#) for details.

About Global Mobile Corporation:

Global Mobile is a 4G pioneer in the digital industry value chain, integrating various triple play contents, with all types of communication at home, and totally new fourth-generation wireless communications, all in one click. Global Mobile is a strong group consisting of industry experts with extensive knowledge and experience. Global Mobile understands consumer needs and provides a standardized platform allowing customers to use WiMAX wireless broadband – anytime, anywhere – on any device. For more information, please visit the Global Mobile website at [Global Mobile Corporation](#).

WiMAX FORUM NEWS

WiMAX Forum, in partnership with Multiview, has launched its weekly WiMAX Newsbrief. This weekly summary of news from around the WiMAX ecosystem is intended as a benefit to our members. If you do not yet receive the Newsbrief and wish to do so, please sign up here: [WiMAX Newsbrief](#).

Below is a summary of the month of May:

- [Malaysia's Yes 4G adds WiMAX to Samsung Chromebook, aims to transform local education](#)
- [TTK plots AKADO swoop; plans to extend coverage to 260 cities](#)
- [YTL nets \\$241 million profit](#)
- [BSNL launches WiMAX service in Indore](#)
- [AERO taps PureWave for continued WiMAX deployment](#)

- **Enforta starts services in 11 towns**
- **AERO selects PureWave base stations for a large scale network upgrade**
- **Adopting new mining technology: Finding a balance between leading and bleeding**
- **DFT Communications awarded grant to expand high-speed Internet to underserved areas in 2 counties**
- **CommunicAsia2013 Summit**
- **Fiber To The Home Conference — have you got your ticket?**
- **WiMAX Forum President Declan Byrne speaks about the viability of wireless technology**
- **Yemen capital gets WiMAX services**
- **Taking WiMAX to the next level — we need your help!**
- **TTK targets 1.5 million broadband subscribers by year-end**
- **BTRC to provide more WiMAX licences**
- **Freshtel plans network expansion in 4 regions**
- **BSNL Ernakulam plans development projects this year, eyes 10 percent growth**
- **WiMAX network completed**
- **4G Malaysia, a WiMAX P1 case study**
- **Maravedis-Rethink wireless market research and analysis webinar**
- **South Sudan focuses on ICT to rebuild**
- **WiMAX available for direct sales**
- **Linkem takes part in solar energy project**
- **WiMAX Internet within days in Yemen**
- **Backhaul for WiMAX: Top 8 technical considerations**
- **Montenegro passes 86,000 broadband users in March**
- **NITA to collaborate with Microsoft**
- **4G World India**
- **WiMAX Advanced could allow LTE wireless devices**
- **WiMAX reseller NetZero sees subscribers reach 41,000**
- **Los Angeles Ethernet Internet plans and California fiber optic business services launched by SolveForce**
- **Enforta expands services for Ferro Terra Group**
- **PureWave Networks**
- **Qubee to expand its network**
- **Malaysia's 1st school Chrome Lab takes off**
- **4G World India: Industry defines 4G road map**
- **KDDI's FY net income grows 1.2 percent**
- **Clearwire partner NetZero 4G counts 41,000 users**
- **Enforta delivers broadband for Garant-Murmansk**
- **BSNL launches project to connect rural NE**
- **AES Eletropaulo launches smart grid initiative**

- **A peek at GTM's 'Utility Smart Grid Outlook' featuring a profile of OG&E**
- **WiMAX Forum participation at WBA Wi-Fi Global Congress**
- **Profile of GE Energy from The Networked Grid 150**
- **Quick review of BSNL WiMAX**
- **Enforta delivers broadband for Inform-Courier**
- **YTL, Eduspec launch Chrome Lab at Choong Wen school**
- **World famous mobile companies to compete in 2nd step tender**
- **Wireless City Planning's base exceeds 1 million in March**
- **WiMAX Forum April Newsletter**



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