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## INTRODUCTION

Dear WiMAX Community,

This March the WiMAX Forum hosted its first Member Conference of 2013, as well as WiMAX Asia 2013, in Kuala Lumpur, Malaysia. WiMAX Asia was a great success. Over 60 attendees from across the globe joined us at WiMAX Asia, with representatives from North America, Europe, South Asia, Southeast Asia, East Asia and Africa in attendance.



Participating in the program were representatives of nine companies, including special presentations from two members of the WiMAX Forum Board of Directors. **Ali Tabassi** – COO of **YTL Communications**, and **Fumio Watanabe** – CTO of **UQ Communications** were kind enough to give updates on their respective companies. The WiMAX Forum would like to thank these speakers, as well as those from other participating companies:

<b>ABI Research</b>	<b>CelPlan Technologies</b>	<b>GCT Semiconductor</b>
<b>Green Packet</b>	<b>Infomark</b>	<b>ITRI</b>
<b>Sequans</b>	<b>UQ Communications</b>	<b>YTL Communications</b>

This month the WiMAX Forum also sent a delegation to Brazil to follow up on our successful February trip, in which WiMAX Forum President **Declan Byrne** conducted a series of meetings with local regulators and major players in the Smart Grid and Smart Cities spaces. This month's trip included participation in the UTC Latin America show, which Mr. Byrne had the opportunity to address with a keynote presentation.



This April the WiMAX Forum will host its 2nd WiGRID PlugFest. The event will be held in Knoxville, Tennessee from April 29 – May 2, 2013, and will bring together for the second time a mix of global utility company experts and equipment vendors to engage in hands-on testing of equipment. More information and an official announcement of this event will be available soon!

As a reminder the WiMAX Forum is currently in the middle of its renewal season. Many of our 140+ members renew their annual membership at the end of the year, and our membership and finance teams have been working together to make certain that the next few months go smoothly for everyone.

Many of your companies should be hearing shortly from our membership team, and they will be happy to answer any questions that you have. If you have questions regarding your membership status, please send a message to [membership@wimaxforum.org](mailto:membership@wimaxforum.org), and we will respond as quickly as possible.

We look forward to continuing to work with you in 2013.

Best Regards,

The WiMAX Forum

## EVENTS

In 2012 the WiMAX Forum hosted a strong series of its own events and also participated in a range of important industry events spanning the globe. In 2013 we will continue in our efforts to bring you quality events directly hosted by the WiMAX Forum, and will also have a presence at key industry events. The WiMAX Forum team is looking forward to seeing you at our events this year!

Please find below a detailed description of upcoming WiMAX Forum events:

### ICNS Conference 2013



The 2013 **Integrated Communications Navigation and Surveillance (ICNS) Conference** addresses long-term research and development as well as current implementation of integrated CNS technologies. These capabilities enable the significant improvements in safety and airspace efficiency envisaged by programs such as NextGen in the United States and the Single European Sky ATM Research (SESAR) initiative.

### **The WiMAX Forum will be at ICNS 2013!**

The global aviation industry has worked for years to decide how and when to upgrade the communications technology within its networks. A major consideration for these companies was which broadband technology to deploy. In 2010 the aviation community chose WiMAX as the next generation terrestrial wireless communications technology, and the WiMAX Forum is proud to support this industry as it prepares to deploy!

Come to ICNS 2013 and see WiMAX Forum President **Declan Byrne** discuss his presentation: "Considerations to Foster Innovation in Aviation Communications."

For additional information please visit: **ICNS Conference 2013**

### **Mobile Backhaul Asia 2013**



The WiMAX Forum is an association sponsor of **Mobile Backhaul Asia 2013**

Building on the success of the Asia's biggest and best Mobile Backhaul conference 2012, which attracted over 400 telecoms professionals, the 5th Mobile Backhaul Asia conference will once again bring together Asia's telecoms industry to explore technology solutions and business strategies to cost-effectively upgrade your backhaul networks.

For additional information and registration please visit: **Mobile Backhaul Asia 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](mailto:Alessandra.Rocha@WiMAXForum.org).

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

## MEMBERSHIP SERVICES

There are currently 145 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 Gh Ltd](#)
- [KZ Broadband Technologies Ltd.](#)
- [MitraStar Technology Corporation](#)
- [NOVI-NET d.o.o.](#)
- [Synkro Southwest, LLC \(Local Loop\)](#)
- [uMAX](#)
- [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 the WiMAX Forum Membership at [membership@wimaxforum.org](mailto:membership@wimaxforum.org).

**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!

## OPERATOR SPOTLIGHT

This month the WiMAX Forum would like to feature an article from the Department of Public Relations of [MobinNet Telecom](#).



With the beginning of 2013, the largest WiMAX Operator in Iran, MobinNet Telecom, celebrated reaching 450,000 subscribers of wireless broadband Internet.

MobinNet Telecom currently is one of the broadband Internet service providers with the most number of subscribers; and aside from that, MobinNet WiMAX is recognized as the country's largest nationwide wireless network. The live operation of over 1100 base stations, and the use of various products from three well-known WiMAX vendors in the access network are among the unique characteristics of MobinNet WiMAX Service, which have created complications in the integration and maintenance of the network. To overcome these issues, different types of IOT (Inter-Operability Test) and evaluations of equipment performance were conducted at the level of the protocols and standards of WiMAX, which have provided unique and innovative solutions.

In the middle of 2010, MobinNet WiMAX Network was launched, covering all provincial capitals of Iran; and now, after two and a half year, it offers various WiMAX-based services to more than 450,000 subscribers, with the indoor coverage of 134 cities, including all free trade zones and major cities of the country.

One of the main reasons for the rapid growth of the number of MobinNet WiMAX subscribers is a vast channel of sales agents created throughout the country. Currently, around 700 independent companies have received the license of sales services after passing initial training. In addition, more than 200 technical agents in Iran are responsible for providing after-sales customer services of the MobinNet WiMAX.

MobinNet Telecom Co. has already distributed more than 500,000 CPEs; including outdoor, indoor and pocket modems. Many different services based on the nationwide MobinNet WiMAX Network are provided for the largest companies and organizations in the country, among which the Virtual Private Network (L2VPN, L3VPN), Internet with Dedicated Bandwidth, National Data Network and MobinNet National Wireless Network can be cited.

Inherent features of IEEE 802.16e WiMAX Standard (including security, establishing a fast connection, allowing service prioritization and quality (QOS)) has created favorable conditions for private secure wide area networks. Thus, by understanding the market demands and needs as mentioned above, MobinNet Telecom launched a dedicated service called "Virtual Private Network" on its wireless infrastructure. Due to high security, reliability and availability of the network, users of this service consist of banks, financial institutions, insurance companies, large corporations and so on. The service is being used as the main communication platform in most cases and as the second backup in the other cases.

Now, by providing this secure point-to-point communication services for more than 4,200 branches of private and state-owned banks and large organizations in the country, MobinNet Telecom is recognized as the market leader of wireless broadband service provider in Iran.

## Call for Participation

In an effort to enhance the overall content of WiMAX Forum Monthly Newsletter, we would like to include peer-written articles, publications, case studies and successful WiMAX stories in future editions.

As part of the WiMAX Ecosystem, your knowledge of the industry lends itself to unprecedented expertise. And we are hoping you will share this expertise with your peers through well-written commentary.

Because of the digital format, there is no word or graphical limit, and the WiMAX Forum can help with final edits. If you're interested in participating, please contact Alessandra Rocha at [Alessandra.Rocha@WiMAXForum.org](mailto:Alessandra.Rocha@WiMAXForum.org)

## WORKING GROUP

### Key Updates

- The WiMAX Forum is happy to announce four new Working Group Officers. Brian Crowe of Hitachi was nominated and selected as the Aviation Vice Chair, Lee Joo Aun of YTL was nominated and selected as TWG Second Vice Chair, and Steve Rosen of YTL and Leohnard Korowajczuk of CelPlan were nominated and selected as SPWG First and Second Vice Chair, respectively.
- The WiMAX Forum recently published four Release 2.1 document revisions to the previously published Release 2.1 documents. These documents can be found on our public website linked here: [Release 2.1 Document Revisions](#).
- WiMAX Forum working groups had productive meetings at our Member's Conference in Kuala Lumpur from March 11- March 14. There, working groups continued to work on board initiatives and roadmap items. The AWG, SPWG, TWG, NWG and CWG met to collaborate on specifications and requirements. Two additional Release 2.1 document revisions were completed and approved by the Technical Steering Committee (TSC). These documents are currently undergoing WiMAX Forum publication process and will be published on our public library in early May.

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 - *Requirements*
- **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*
- **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** – 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](mailto:Rich.Hawkins@WiMAXForum.org)

## **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 March:**

- **ICNS Conference 2013**
- **The future of WiMAX in Pakistan**
- **Nepal Telecom to provide WiMAX to public**
- **5th International Telecom, ICT Fair begins April 23**
- **Enforta provides specialized operator with data links**
- **Freshtel starts WiMAX services in Samara, Russia**
- **YTL eyes new power plant job**
- **LTE, WiMAX and WLAN Network Planning & Optimization certification course**
- **KTB to launch Wi-Fi services in coaches**
- **YTL Comms expects to be profitable by year-end**
- **WPD selects Airspan to supply WIGRID broadband wireless access solution**
- **5th Mobile Backhaul Asia 2013**
- **YTL eyes 5,000 telco base stations [New Straits Time (Malaysia)]**
- **RCS-Communication Selects Airspan Networks for 4G Network Deployment in South Sudan**
- **Wateen puts Pakistan on the global digital map**
- **Operators Profiting from End-to-End WiMAX Networks**
- **Electronic Elevation**
- **Eion selected to provide wireless coverage in Newfoundland**
- **2013: The year of transformation**
- **YTL expects profit by year-end**
- **The last word**
- **WiMAX back on the scene with energy companies and focus on the 2.5 GHz band**
- **Meet Berge Ayvazian conference chair, 4G World at The Epicentre, Gurgaon, from April 25-26**
- **NTC's WiMAX reaches Rapti, Bheri, Janakpur**
- **1st M&C-branded hotel opens in Taiwan**
- **Call to contributors**
- **Freshtel to expand network in Kiev, Donetsk**
- **Grants to extend high-speed Internet to underserved communities**
- **Airspan selected for UK smart grid pilot with Western Power Distribution**
- **Alvarion deploys Smart City service in Mar del Plata**
- **2013: Looking ahead**
- **NT Internet WiMAX service launched in far west**

- **UQ Mobile Slim WiMAX mobile router**
- **Wireless Smart Utility Networks**
- **NT launches WIMAX in Kanchanpur**
- **Freshtel expands WiMAX network to new towns**
- **Enforta provides video surveillance in Krasnoyarsk**



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