WiMAX FORUM NEWSLETTER

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INTRODUCTION

Dear WiMAX Community,

As 2013 comes to a close, the staff and I want to take a moment to express our sincere gratitude and thanks for your unflagging support and enthusiasm. Your insights, wisdom and unceasing support allow us to represent the technology – taking WiMAX forward into new and exciting directions. Thanks to the generosity, commitment and contributions of our **membership**, we were able to continue the expansion of our services, achieving significant milestones together through collaboration.

One such achievement in 2013 was our introduction of **WiMAX Advanced**, the Forum's evolution to the WiMAX standard. This program has proven to offer the right strategy and technical roadmap to our operator members, as they seek a smooth financial and technical path to TD-LTE. The launch has been met with an excellent reception from our operator and telecom equipment manufacturing companies. We reached several key milestones in terms of technical activities with our relevant **Working Groups**, and I'm proud to report operational WiMAX Advanced networks as the year closes – enabling operators to access a broader ecosystem of devices and radio access technologies.

Additionally, we scored some big wins on the industrial front. We hosted our inaugural **AeroMACS** event in September, to a sell-out crowd in Washington, D.C., with representatives from four continents, and a keynote by one of the **executive leaders** from the **International Civil Aviation Organization**.

We are seeing concrete results from our activities on the industrial communications front. Our team attended (and hosted) several **Utility** and **Oil & Gas**-focused **events** throughout the year, which gained excellent exposure, reception and participation. Importantly, we hosted our first WiGRID utility certification event of 2013, and the manufacturers are at work to grow their **WiGRID** specifications, with increased features and functionality. We are also busy planning to host the first **AeroMACS** certification of 2014.

WiMAX Forum Membership - Providing Value and Industry Leadership

As this coming year promises to continue the momentum, we will all continue to push forward with WiMAX Advanced. We are planning a big event at **Mobile World Congress** in Barcelona, along with other operator-member focused activities. In a similar way, we will increase our operational tempo with respect to Industrial Communications. With continued certification for industrial communications and persistent value-added evangelization, we expect this market will continue to increase in value as WiMAX's market share continues to expand.

From all of us – we wish you a healthy and happy holiday season and we look forward to speaking with you soon in 2014.

All the best,

Declan Byrne and Staff of the WiMAX Forum

EVENTS

In 2013 the WiMAX Forum hosted its own events and also participated in a range of important industry events spanning the globe. In 2014 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 would like to take this opportunity to thank the many **speakers, event attendees** and **Working Group** participants that traveled to the events and made them such a success. Every event was incredibly positive, and gave everyone great confidence in the strength of our industry.

The WiMAX Forum team looks forward to seeing you at our events. The following is the summary of the upcoming events:

WiGRID 2014 will be a pre-conference session at **DistribuTECH** on Monday, January 27, 2014 at the Henry B. Gonzalez Convention Center, San Antonio, Texas. The event will focus specifically on supporting the Smart Grid community in deploying effective and affordable WiMAX networks to support their communication initiatives.

All operators and vendors are invited to this event to meet, network, and discuss ideas with the goal of fostering a prosperous environment and future for the WiMAX Smart Grid ecosystem. The event will highlight the opportunities, challenges, and strategies involved in operating a profitable WiMAX network.

WiGRID 2014 will be an interactive working event. Participation in this event is free to attendees of the DistribuTECH. WiGRID 2014 is open to all participants of the WiMAX ecosystem, and membership in the WiMAX Forum is not a requirement to attend.

For additional information and registration, please visit: **WiGRID 2014**.

CommunicAsia2014 is Asia's largest integrated info communication technology event, and it is instrumental in connecting the entire ICT ecosystem. The future of the ICT sector lies in the hands of the consumer, and innovation will continue to evolve around the needs of these increasingly discerning individuals. Experience, connect and learn more on the latest innovations!

The WiMAX Forum is proud to partner with CommunicAsia2014 Summit as a supporting organization.

As part of this collaboration, **WiMAX Forum members will receive a 15% discount off the normal registration fee** to attend. Please email **Alessandra.Rocha@WiMAXForum.org** for the discount code.

For more information and registration, please visit: **CommunicAsia2014**.

Sponsorship Opportunities:

Increase your presence at the WiMAX Forum events through a sponsorship! Our high-profile events offer sponsors excellent visibility before, during and after the event.

Sponsorship opportunities include:

- Media Sponsorship
- Diamond Sponsorship *(WiMAX Forum Members Only)*
- Platinum Sponsorship *(WiMAX Forum Members Only)*
- Gold Sponsorship *(WiMAX Forum Membership **NOT** Required)*

For more information about which event sponsorship may best suit your needs, please contact Alessandra Rocha at **Alessandra.Rocha@WiMAXForum.org**.

The WiMAX Forum plans to host and participate in other events over the course of 2014. As details concerning these events are finalized, we will be certain to keep you informed.

For more information about our events, please visit: **WiMAX Forum Events**

MEMBERSHIP SERVICES

There are currently 103 members of the WiMAX Forum in good standing. The WiMAX Forum would like to extend a special welcome to the newest members in 2013:

- **Aviation Data Communication Corporation**
- **Ancor Distribution Management**
- **Burco Electronic Systems**
- **BusyInternet**
- **Honeywell**
- **MitraStar Technology Corporation**
- **Siemens**
- **Synkro Southwest, LLC (Local Loop)**
- **uMAX (Dandemutande Investments (Pvt) Ltd)**
- **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 the 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!

WORKING GROUPS

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 and to vote on working group output.

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

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

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.

Your participation is important to the WiMAX community!

The WiMAX Forum has recently published Stage 2 and Stage 3 **Specifications** for WiMAX Advanced Release 2.2. We would like to thank the WiMAX Advanced Subcommittee along with members of TWG and NWG for making this possible.

Members of the AWG and CWG are collaborating to develop the Project Execution Plan to outline the tasks, resources, and timeline to implement AeroMACS Certification in 2014.

The SEWG is beginning the draft development of requirements for WiGRID 2 to incorporate features developed in IEEE Std 802.16n and IEEE Std 802.16p, such as enhanced security and authentication as well as network reliability improvements.

SEWG will be holding a half-day pre-conference program for WiGRID 2014 at **DistribuTECH** on Monday, January 27th, starting at 1:00pm. Please click here for details: **WiGRID 2014**

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.

The WiMAX Forum will be holding its biannual Working Group Officer election at the first Members Conference of 2014. Information will be sent out in advance of that conference to inform all members of the election process. If you have interest in becoming a working group officer or nominating a candidate. please contact the TSC Chair Rich Hawkins at **Rich.Hawkins@WiMAXForum.org**

WiMAX FORUM NEWS

The WiMAX Forum 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 for the month of December:

- **WiMAX Advanced to Harmonize with TD-LTE**
- **Irancell WiMAX network now covers 38 towns**
- **Enforta adds new corporate customers**
- **Indonesia IT market: 18% CAGR expected between 2012-2016**
- **DragonWave Lands Kuwait Backhaul Deal**
- **Washington County closer to broadband goal**
- **PowerGrid to lease out towers to telecos**
- **Bahrain continues to lead the Gulf region in terms of telecoms competition**
- **WiGRID 2014 at DistribuTECH**
- **5 Laws of Stratospheric Success for Delivering Profitable Wireless Broadband in Africa**
- **Iran launches IPTV in six provinces**
- **SANDRA project successfully passed the Final Review with EC**
- **Nepal's internet base grows to 7.40 mln**
- **Enforta provides services for oil, metals and utility firms**
- **TTK to invest RUB 150 mln in Moscow**
- **Post-War Libya's Lucrative Telecom Market Finally Opens Up to the Private Sector, Finds New Report**
- **WiMAX Advanced Alignment with IEEE 802.16TM Standard**
- **Field Wireless Networks: ISA-100.11a and Other Wireless Technologies Are Making Inroad into Process Control and Measurement Applications**
- **China Issues 4G Network Licenses**
- **Nomination deadline approaching for Aegis Graham Bell Award 2014**
- **YTL, Intel to offer 4G laptops, tablets for education sector**
- **Gambia Reaches U.S. $33 Million Deal with Huawei Technology**
- **Frost & Sullivan: Availability of Cost-effective Mobile and Wireless Solutions Sustains East African Broadband Market**
- **Kenya Telecoms Market: Arrival of Fibre-Optic Submarine Cables Revolutionizing Industry**
- **Product and equipment round-up**
- **WiMAX Forum Oil & Gas Program Advances Smart Energy Networks**
- **New WiMAX-Based Navigation System Tested to Improve Port Traffic in Port of Cork, Ireland**
- **Wireless Broadband, Mobile Phones to Connect Africa**
- **Honeywell Sets Sights on Oil and Gas, Transportation Technology**

- **4G international forum to take place in Taipei**
- **New Technology May Be Headed to Land of Promise**
- **65th New Year School Launched**
- **UWI to host network design boot camp**
- **Nepal grows internet base to 7.2 mln**
- **November 2013 WiMAX Forum Monthly Newsletter**