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## INTRODUCTION

Dear WiMAX Community,

**WiMAX ADVANCED UPDATE:** The WiMAX industry has made significant progress with global TDD harmonization, and the industry is at work building new industrial 4G communities based on our highly secure yet open ecosystem. In **partnership with GTI**, the operator community has been more engaged in discussions regarding financing models and the WiMAX Advanced Roadmap, as well as the upcoming Taiwan interoperability event in September.

**AeroMACS** made significant progress at the Brussels meeting. With several new deployments starting in the US and China, we should double our efforts in interoperability and the engagement of new major players who are joining our industry forum. The **Smart Energy Working Group (SEWG)** has focused on supporting 115+ utility deployments of WiMAX in the 3.65 GHz spectrum. We are also engaged with regards to the new ruling of the Federal Communications Commission (FCC), and are planning an interoperability event. We welcome our members to come check out the ecosystem at our upcoming **August meeting in San Francisco**.

**SPECTRUM ALERT:** The FCC has issued a Further Notice of Proposed Rulemaking (FNPRM) concerning the 3.5 GHz band in the United States. The stated purpose of opening up an additional 100 MHz from 3.55 GHz – 3.65 GHz (under various service and exclusivity rules) is to accommodate an explosion of small cells. The WiMAX Community supports the opening up of this band; however, we are concerned about an aspect of the ruling. Our primary concerns are outlined below:

- The FCC has suggested in the FNPRM that an additional 50 MHz in the so-called 3.65 GHz band be added to the lower 100 MHz under consideration, and be incorporated under similar rules. The rules under consideration are broadly favorable to Wireless Internet Service Providers (WISPs) and Cellular providers.
- The SEWG is quite concerned that radically changing the service rules for 3.65 GHz will harm incumbent WiMAX operators (WISPs) and the many, many Utilities and Oil and Gas companies that have deployed in the band. Our group has published a WiGRID Specification that significantly establishes an optimized service profile, which is used in this band as well.
- The Forum is opposing the inclusion of 3.65 GHz into the 100 MHz under consideration and is issuing a **press release** and filing a **petition with the FCC** to oppose this effort. We are being joined in opposition by the Utilities Telecom Council and other like-minded organizations. If you have any questions, comments, or concerns about this activity, please contact the WiMAX Forum President **Declan Byrne** directly at [Declan.Byrne@WiMAXForum.org](mailto:Declan.Byrne@WiMAXForum.org).

**COMPANY PROFILE – MobinNet:** Last month, the WiMAX Forum Executive Management team visited **MobinNet Telecommunication** company in Tehran, Iran. The team is truly impressed with their network and their organization as a whole – including operations, technical, sales, and marketing departments. They believe that the MobinNet success could be both inspiring and beneficial for other WiMAX operators, as well as for members of the WiMAX ecosystem. The team supports MobinNet's vision, to maintain a competitive edge by retaining the helm of the wireless broadband market in Iran.

MobinNet is the largest of the three WiMAX operators in Iran. It is the largest wireless broadband operator to successfully and solely deploy a nationwide multivendor WiMAX network covering all provinces. It has deployed more than 1,100 WiMAX base stations using 52 MHz of 3.5 GHz spectrum – covering 125 of Iran’s major cities - more than 60% of its population of 75 million people. Since the network’s commercial launch in December of 2010, MobinNet has achieved a dominant 54% share of the emerging WiMAX market, serving over 700,000 internet subscribers and 12,000 L2/L3 VPN nodes for business/enterprise customers. Privately held, MobinNet achieved EBITDA breakeven in 2012, and are on track to achieve net income breakeven on existing operations.

MobinNet is also contemplating the introduction of TD-LTE into its current infrastructure and product portfolio, in conjunction with WiFi. This transition is being planned and designed as a layer of TD-LTE and WiFi, on top of its existing WiMAX network – in high-data demand, dense urban areas. They are negotiating with an Iranian regulator to secure 20 MHz of new spectrum for TD-LTE use. They are also piloting TD-LTE in some nominal sites, including dense city scenarios, using existing IP backhaul, IP/MPLS backbone and core capabilities to ensure a smooth transition from WiMAX to TD-LTE.

MobinNet’s vision is to continue the development of an integrated wireless broadband services business. With its innovative technological and marketing expertise; strong financial capacities; focus on high-quality, nationwide coverage; and long-term partnerships and alliances, MobinNet is focused on achieving sustainable and predictable growth.

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

We at the WiMAX Forum wish you all a wonderful remainder of June and a prosperous July.

Best Regards,

The WiMAX Forum

## EVENTS

In June, 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. The following is the summary of upcoming events:



The WiMAX Forum is delighted to announce the next WiMAX Forum Member Conference, which will take place on August 18-21, 2014 in beautiful San Francisco, USA. Working Group meetings will begin on Monday, August 18, and continue through Thursday, August 21, concluding with the Technical

Plenary will take place on Thursday afternoon, August 21. The WiMAX Forum Board meetings will be held Wednesday, August 20 and Thursday, August 21, 2014. And on Tuesday, August 19, the WiMAX Forum will host a cocktail reception for networking purposes.

Please contact Sophia Chang, WiMAX Forum Project Manager, at [Sophia.Chang@WiMAXForum.org](mailto:Sophia.Chang@WiMAXForum.org) if you wish to attend this event or request a visa invitation letter.

We look forward to welcoming our members in San Francisco!



For billions of people around the globe, wireless is the preferred form for communicating. Meanwhile more and more of data traffic are now traversing across wireless networks while connectivity between objects and devices are increasingly becoming unwired. This wireless trend is not only growing but is the way forward.

The upcoming **Wireless China Industry Summit will take place on September 17-18, 2014 at the Great Wall Sheraton Hotel in Beijing, P.R.C.** It is the leading event of its kind addressing the full scope of next generation wireless technologies and their innovative applications. An educational program provides insightful knowledge about a broad range of critical issues and exciting new developments. Whether your interest is from the perspective of a wireless endorser, application developer, systems integrator, reseller, a manufacturer, or service provider, the surest way to get yourself and your organization fully ready for a dynamic wireless world is by attending.

#### **WiMAX Forum will be at Wireless China Industry Summit!**

Come see **Declan Byrne**, WiMAX Forum President and CEO, lead a panel called "**AeroMACS**" during Track 1 on September 17, 2014 from 1:20pm to 5:20pm.

For more information and registration, please visit: [Wireless China Industry Summit 2014](#).



**WiMAX Africa 2014 will be a pre-conference session at Informa Telecom & Media's AfricaCom on Monday, November 10, 2014 at the DoubleTree Cape Town – Upper Eastside in**

**Cape Town, South Africa.** This event will focus specifically on supporting the African operator community in developing and managing profitable growth of WiMAX network deployments.

WiMAX Africa 2014 is an event for all participants—both operators and vendors—to meet, exchange ideas, and develop business and cooperative relationships. The event will highlight the opportunities, challenges, and strategies involved in operating a lucrative WiMAX network in Africa.

The African WiMAX community currently faces a host of challenges in procuring devices, securing funding for network development, and optimizing the migration or co-existence of WiMAX and TD-LTE networks. This event is constructed to allow these operators to network, share key lessons, and work together for the benefit of the industry. Our goal is for attending operators to gain concrete knowledge that will help them build profitable WiMAX businesses.

WiMAX Africa 2014 will be an interactive working event. **There is no registration fee**, and this event is free. The event is open to all participants of the WiMAX ecosystem, and membership in the WiMAX Forum is not a requirement to attend.

For more information and registration please visit: [WiMAX Africa 2014](#).

If you have questions regarding this event and visa invitation letter, please contact Sophia Chang, WiMAX Forum Project Manager, at [Sophia.Chang@WiMAXForum.org](mailto:Sophia.Chang@WiMAXForum.org).

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

For more information about which event sponsorship may best suit your needs, please contact Alessandra Rocha at [Alessandra.Rocha@WiMAXForum.org](mailto: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

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. **WiMAX Forum Membership** provides a wide range of benefits and services that allows WiMAX Service providers to grow their networks and the vendor community to sell more equipment and services.

The WiMAX Forum would like to extend a special welcome to the new members from 2014:

- **Ecil Energia**
- **Exelis**
- **Green Packet Berhad**
- **Intellicom LLC**
- **Kyocera Communication Systems Co.**
- **Magnaquest Technologies Ltd**
- **Seowon Intech**

**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!

If you have questions regarding the WiMAX Forum Membership, please contact Kailey Phillips at [Kailey.Phillips@wimaxforum.org](mailto:Kailey.Phillips@wimaxforum.org); +1-703-407-1643.

## WORKING GROUPS

The Working Groups will meet face-to-face at the **WiMAX Forum Member Conference in San Francisco, USA**, which will take place on August 18-21, 2014. The TWG, SPWG, AWG, and SEWG will collaborate on specifications and requirements to further develop the **WiMAX Advanced, Aviation,** and **WiGRID** and other Smart Energy Initiatives. If you are interested in attending this conference, please email [Sophia.Chang@WiMAXForum.org](mailto:Sophia.Chang@WiMAXForum.org).

SEWG members are drafting comments in response to the recent FCC NPRM related spectrum in the 3.5 GHz band to submit by the July 14 deadline. SEWG members also continued to develop drafts 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.

The WiMAX Forum administered 3 questionnaires about WiMAX and TD-LTE co-existence and/or transition to their Operators, Device-Chipset Vendors, and Infrastructure Vendors in the Spring. Currently, the SPWG is drafting a white paper, using the information gathered from the questionnaires to define common scenarios and provide recommendations for WiMAX and TD-LTE co-existence and/or

transition to further the **WiMAX Advanced** initiative.

The **Aviation** initiative continues to gain momentum. AWG has developed AeroMACS X.509 Certificates & Certificate Policy Use Cases, to support the development of AeroMACS x.509 Certificate Profiles and Policies. A common Security standard is becoming increasingly important to the Aviation Community. This team remains on plan to achieve AeroMACS Certification in 2014 to serve the Aviation Community as well.

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*
- **TWG** - Technical Working Group - *Technical*
- **CTG** - Certification Task Group - *Technical*
- **NTG** - Network Task 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.

To view the most up-to-date information on our Working Groups, please visit [www.wimaxforum.org/about/working-groups](http://www.wimaxforum.org/about/working-groups).

### **Your participation is important to the WiMAX community!**

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 participation in our Working Groups or a leadership role, please contact the TSC Chair Rich Hawkins at [Rich.Hawkins@WiMAXForum.org](mailto:Rich.Hawkins@WiMAXForum.org)

## WiMAX FORUM NEWS

The WiMAX Forum weekly Newsbrief contains the summary of news from around the WiMAX ecosystem and 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 June:**

- [Future Trends for Higher Education According to InfoComm 2014](#)
- [France picks GE for Alstom, but says still work to do](#)
- [WiMAX Forum to Host WiMAX Africa 2014 at AfricaCom](#)
- [Merging Medical Transcription and EMR with WiMAX Technology](#)
- [UHF Antenna Manufacturer and Supplier ZDA Communications Introduces Its 700 MHz Yagi Antenna Collection](#)
- [UTC Canada Annual Conference 2014](#)
- [WiMAX at Northern Michigan University](#)
- [Broadband World Forum 2014](#)
- [Phone service unveiled for African mines](#)
- [ETSI Work Programme 2014-2015](#)
- [Invitation to WiMAX Africa 2014 – Registration is Open](#)
- [Siemens, Mitsubishi Heavy Consider Joint Bid for Alstom Assets](#)
- [Wireless China Industry Summit 2014](#)
- [Transforming SMC](#)
- [4G Technologies Boot Camp](#)
- [BSNL to offer 3.6 lakh new mobile connections](#)
- [Bureau Veritas Joins Hands with Wipro to Offer Testing Services for Electrical and Electronic Products in India](#)
- [Smart grid antenna to go in Tatnuck Square church steeple](#)
- [Plan for FTTH in Chanute Looking Positive in Kansas](#)



- **Broadband internet use in Bahrain skyrockets**
- **Mezon expands top-up options**
- **Reshaping the Energy System Could Save Europe Up to 81 Billion Euro in Annual Energy Expenditure, Says New Study by EURELECTRIC and Accenture**
- **Inviting nominations for Aegis Graham Bell Awards 2014 for Innovations in TIME**
- **Menatelecom rewards WiMAX users with free upgrade**
- **Enforta starts telephony services in Kostroma**
- **AeroMACS System Characterization and Demonstrations**
- **Samsung Solar Powered Internet School Bridges Digital Gap Beyond The School**
- **Internet penetration rate increases in Nepal with local initiative**
- **Broadband for all' target achieved says EU**
- **Montenegro close to 93,000 broadband internet users**
- **This Is What Europe's 2014 Smart Grid Landscape Looks Like**
- **Aegis Graham Bell Award for Online Learning**
- **May 2014 WiMAX Forum Monthly Newsletter**



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