

The header features a dark blue background with a glowing green globe and network lines. The WiMAX Forum logo, consisting of two overlapping circles, is positioned to the left of the text. The text "wiMAX FORUM" is in a white, lowercase, sans-serif font, and "NEWSLETTER" is in a larger, white, uppercase, sans-serif font below it.

wiMAX FORUM[®] NEWSLETTER

NOVEMBER 2014

IN THIS ISSUE

- **Introduction**
- **Events**
- **Membership Services**
- **Working Groups**
- **WiMAX Forum News**

INTRODUCTION

Dear Friends and Members - This November, the **WiMAX Forum** recently held three significant and successful events.

In the first week of November, the WiMAX Forum held its third annual **WiMAX Oil & Gas 2014**, a pre-conference session at **OilComm Conference & Expo**, held in Houston, Texas. The pre-conference was well-attended and outlined how **WiMAX technology** addresses connectivity needs of the energy industry. Discussions were held on a wide range of topics, including SCADA, WiMAX system Case Studies as well as best practices for operational efficiencies. Spectrum issues and pending FCC changes for spectrum usage and its impact on the industry were discussed in-depth. The WiMAX Forum is currently **lobbying to preserve the 3.65 GHz band** as a usable spectrum for the energy markets.

The WiMAX Forum would like to thank speakers from the following companies:

CelPlan Technologies	Powertech Labs
Chevron USA	Select Spectrum
GE Digital Energy	Siemens
JTS	SynKro Southwest, LLC.
Keller and Heckman	Telrad Networks

On November 10, the WiMAX Forum hosted its fourth annual **WiMAX Africa Operator Summit** in Cape Town, South Africa. Participants included equipment manufacturers, government organizations, and solution providers. The main topic of discussion was WiMAX Advanced implementations in Africa, and how profitable, multi-technology networks have been successfully rolled out with the co-existence of WiMAX and either Wi-Fi, Small Cells and/or LTE technologies. The WiMAX Forum is exploring a cooperative partnership with the World Bank IFC—along with local operators, uMAX and MicroTeck—to increase investments in operators across the region.

The presentations were well-received, and the African operator community gained concrete knowledge to managing profitable growth of WiMAX and multi-platform network infrastructure. The main event sponsors were **Alepo Technologies Inc.** and **CelPlan Technologies**. The WiMAX Forum would like to thank the following companies for providing speakers:

Airspan	MicroTeck Enterprises
Alepo Technologies Inc.	Nokia Networks
Canar	SimbaNET
CelPlan Technologies	Telrad Networks
DiscoveryTel	Teleconda

GTI Global	uMAX
MagnaQuest	Wireless 20/20
Mercury Networks	World Bank IFC

Finally, on November 11-12, the WiMAX Forum held its second aviation event of the year **WiMAX Aviation 2014 - Sendai**. The event was a great success, with dozens of attendees from around the world who joined to discuss the future outlook of airport communications. The event illustrated the tremendous potential and interest in the use of **AeroMACS**, and further drove collaboration among key industry players in the support of broadband technology as an industry standard.



Attendees were treated to a full two-day program including a special AeroMACS field tour of the ENRI lab in the Sendai Airport. Feature speakers included WiMAX vendors, airport authorities, various government representatives from the United States, Europe, Asia, and other groups touching on a wide range of topics. The WiMAX Forum would like to extend a special thank you to our supporters—**Japanese Civil Aviation Bureau (JCAB), ENRI, EUROCONTROL, FAA, CARATS, and SESAR**—and our generous sponsors **Hitachi, Gemtek, Modacom, Shinsei Corporation, and CelPlan Technologies**.

The WiMAX Forum would like to thank the following organizations for participating in WiMAX Aviation 2014 - Sendai:

ADCC	Honeywell
Airtel ATN	ICAO
CelPlan Technologies	JCAB
ConvergEX technologies	NASA
ENRI Japan	Selex ES
EUROCONTROL	Siemens
FAA	Symantec Corporation
Gemtek	Thales Communications
Hitachi	

The WiMAX Forum would like to take this opportunity to thank the many speakers, Working Group participants, and attendees that traveled to these events and made them such a success. Each event solidified the position and value of WiMAX technology for operator and industrial markets.

The WiMAX Forum is looking forward to another great event season. Here is the summary of the upcoming events that we are hosting and/or participating during the coming months:

- **Carrier Wi-Fi Americas 2014** on December 1 - December 3, 2014 in Dallas, TX. WiMAX Forum Chairman Dr. Mo Shakouri will participate with multiple presentations on Tuesday, December 2 at 9:20am and 2:00pm, and on Wednesday, December 3 at 10:20am.
- **WiGRID 2015 - DistribuTECH** on February 2, 2015. WiGRID 2015 will be a pre-conference session at **DistribuTECH** at the San Diego Convention Center in San Diego, CA.
- **WiMAX Aviation 2015 - Madrid** will be held at **World ATM Congress** on Tuesday 10 March from 14:00 to 18:00 and Wednesday 11 March from 13:00 to 17:00 at **IFEMA - Feria de Madrid Convention Centre**, Recinto Ferial Juan Carlos I, Parque Juan Carlos I, s/n, 28042 Madrid, Spain.

We have sent our 2015 renewal correspondence to the Membership early in October – you will all note a different schedule for invoice delivery and due dates. Additionally, we have simplified our membership structure and classes. I appreciate in advance your cooperation in processing our renewal paperwork promptly. Please don't hesitate to reach out to our Finance team lead, **Mr. Jack Daniels**, should you have any questions or comments.

If you have any questions regarding any of this or our organization's activities, please reach out to us. We at the WiMAX Forum wish you all a wonderful remainder of November and a prosperous December.

Best Regards,

WiMAX Forum

EVENTS

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



Carrier Wi-Fi Americas alongside **Small Cells Americas** on **December 1-3, 2014 in Dallas** attracts senior executives from mobile, fixed, and cable operators looking to leverage the opportunities of Wi-Fi in wireless access networks. Covering business cases for offload, on-load, true HetNet deployments, Carrier Wi-Fi Americas is where the market comes to decide the future of Carrier Grade Wi-Fi deployments.

With use-cases ranging from high-density urban environments, poor coverage areas, stadia deployments and rural markets, this is the place for executives looking to utilize Wi-Fi in their networks.

The WiMAX Forum is proud to support and be at Carrier Wi-Fi Americas!

Come see **Dr. Mo Shakouri**, WiMAX Forum Chairman, speak on the **Industry Debate: The Fabric of the Industry Debate on How They Should Co-exist and Compete** panel on Tuesday, December 2 at 9:20-10:30AM.

Dr. Mo Shakouri will speak about **"Backhaul - From White Space to Millimeter"** at **Small Cells Backhaul Americas 2014** on Tuesday, December 2 at 2:00-2:30PM.

Additionally, Dr. Mo Shakouri will participate in **Small Cells Americas**, speaking on the **Association Panel – Integrated Small Cell Wi-Fi Networks** on Wednesday, December 3 at 10:20-10:50AM.

For more information, please visit: **Carrier Wi-Fi Americas 2014**.



Serving the industry for 22 years, the Exhibitions India Group is proud to play an integral role in the changing landscape of the Indian Information and Communication environment. As we move towards a world-connected economy, the milestone 23rd Edition of **Convergence India 2015** expo is themed as "Connecting India". **It will take place in Pragati Maidan, New Delhi, India on January 21-23, 2015.**

The forthcoming expo will showcase innovation and leading devices to enhance e-Development at all levels and drive the growth of urban usage. Focused business-matching will provide the perfect opportunity to network with industry executives and establish new relationships. Attracting global leaders, the expo will serve an ideal platform for knowledge-experts to share insights and successful case studies across the globe.

For more information and event registration, please visit **23rd Convergence India 2015**.



WiGRID 2015 - DistribuTECH will be a pre-conference session at **DistribuTECH** on **Monday, February 2, 2015** in **San Diego, California** at the **San Diego Convention Center**. The program will focus specifically on supporting the Smart Grid community in deploying effective and affordable WiMAX networks to support their communication initiatives.

WiGRID 2015 - DistribuTECH will present real Case Studies from Utilities, Operators, and Vendors. Additionally, the **Smart Energy Working Group (SEWG)** will meet for continuation of group business, and attendees are invited to observe.

Participation is free to attendees of DistribuTECH. It is open to all participants of the WiMAX ecosystem, and membership in the WiMAX Forum is not a requirement to attend. **WiGRID 2015 - DistribuTECH** participants will receive an Association Full Conference price to register for DistribuTECH.

For more information and registration, please visit **WiGRID 2015 - DistribuTECH**.



The WiMAX Forum is pleased to announce the first WiMAX Aviation seminar in Madrid. **WiMAX Aviation 2015 - Madrid** will be held at **World ATM Congress** on Tuesday 10 March from 14:00 to 18:00 and Wednesday 11 March from 13:00 to 17:00 at **IFEMA - Feria de Madrid Convention Centre**, Recinto Ferial Juan Carlos I, Parque Juan Carlos I, s/n, 28042 Madrid, Spain. The Seminars will focus on supporting the global Aviation Community in managing profitable developments and growth of their AeroMACS networks.

WiMAX Aviation 2015 - Madrid is a seminar for all participants to meet, exchange ideas, and develop business and cooperative relationships. The event will highlight the opportunities, challenges, and strategies involved in operating efficient AeroMACS networks.

WiMAX Aviation 2015 - Madrid will be an interactive seminar. **Participation in the seminar is free to the attendees of World ATM Congress**. It is open to all participants of the Aviation ecosystem and membership in the WiMAX Forum is not a requirement to attend.

Registration is required for this event. For more information and registration, please visit **WiMAX Aviation 2015 - Madrid**.

CommunicAsia2015 Summit

Rising size of mobile workforce, increasingly complex demands by users, coupled with the proliferation of connected devices have made this industry more dynamic than ever. It has also blurred the line between work and personal time as seen in the rise of mobility driven innovations such as smart living solutions, wearable technologies, and many others.

At CommunicAsia2015, the latest innovative technologies from Big Data, Business Analytics, Cloud technologies, IoT, to Zigbee will be unveiled, that will change the way we live and work. It will take place on **June 2-5, 2015 at Marina Bay Sands, Singapore.**

For more information and event registration, please visit [CommunicAsia2015](#).



Serving the industry for over 26 years, the Exhibitions India Group which has played an integral role in the changing landscape of the Information and Communication environment in South Asia, has now joined hands with AfriEXPOS, Africa's premier expo organizer to bring its expertise through **Convergence Africa World**, which **will take place on 17-19 June 2015 in Oshwal Centre (Parklands) Nairobi, Kenya.**

The expo will showcase innovation and merger of technologies over any screen – be it a computer / laptop, telephone, or TV screen. Focused business matching will provide the perfect opportunity to network with industry bellwethers and establish new relationships.

For more information and event registration, please visit [Convergence Africa World 2015](#).

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 (*Free*)
- Diamond Sponsorship (*WiMAX Forum Members Only*)
- Platinum Sponsorship
- Gold Sponsorship
- Silver Sponsorship
- Exhibitor (*Upon Availability - 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.

The WiMAX Forum plans to host and participate in other events over the course of 2014-2015. 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:

- [Civil Aviation Safety Authority of Australia](#)
- [DFS Deutsche Flugsicherung GmbH](#)
- [Ecil Energia](#)
- [Embry Riddle Aeronautical University](#)
- [Exelis](#)
- [Great River Energy](#)
- [Green Packet Berhad](#)
- [Hawaiian Electric](#)
- [Iberdrola USA](#)
- [Intellecom LLC](#)
- [Kyocera Communication Systems Co.](#)
- [Magnaquest Technologies Ltd](#)
- [Metropolitan Washington Airport Authority](#)
- [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 send a message to Membership@wimaxforum.org.

WORKING GROUPS

Now is the time to get involved. With activities taking root and gaining serious momentum, it is a crucial time and a great opportunity to influence and leverage these activities. 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.

AWG members collaborate to implement their plan to achieve a full AeroMACS certification program offering with AeroMACS Designated Certification Laboratories in 2015. The Network Reference Model is making great progress and the AWG is working with a major national airport to perform testing to establish a baseline model. Because a common Security standard is significant to the Aviation Community, its PKI task group is creating AeroMACS x.509 Certificate Profiles and Policies.

Regarding the recent **FCC NPRM related spectrum in the 3.5 GHz band**, the WiMAX Forum along with API, UTC, Great River Energy, and Exelon will meet with the FCC on December 8 to support the SEWG's spectrum plan for the Smart Energy industries. For other Smart Energy initiatives, **SEWG** members presented at OilComm for Oil & Gas and are working with folks in the Railroad industry with the hopes of presenting use cases and applications of a broader audience at an AAR Wireless Communications Committee meeting in early 2015.

With the support of the SPWG, the WiMAX Forum published a white paper called "WiMAX Advanced: Deployment Scenarios Based on Input from WiMAX Operators and Vendors" to define common scenarios and provide recommendations for WiMAX and WiMAX Advanced co-existence and/or transition for the **WiMAX Advanced** initiative. To read the white paper, please click [here](#).

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. 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, Profiles & AeroMACS 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**. 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.

Your participation is important to the WiMAX community!

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

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

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 community. 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 November:

- [WiMAX Forum Concludes Successful November Conference Series](#)
- [Mercury Networks, LLC Has Awarded Piranha EMS, To Manufacture Its Quantum 6600 WiMAX Base Station](#)
- [Carrier Wi-Fi Americas 2014](#)
- [VoIP enables temporary move for company](#)
- [NT's Q1 profit up 32%](#)
- [Exelon: From "Intelligent Grid" to "Smart Grid"](#)
- [24ONLINE Deploys Internet Access Management Solution Across Five Kenya Airports](#)

- **Tech Mahindra acquires US company for \$240m**
- **WiMAX Forum Chairman Dr. Mohammad Shakouri Speaking at Carrier Wi-Fi Americas 2014**
- **Maturity in the Middle East Business Technology Market**
- **Lakeland area broadband will improve through grant, WiMAX technology**
- **DiscoveryTel Ghana to speak at WiMAX Forum Awards**
- **WiMAX Forum Events at a Glance**
- **Japan ends Q3 with 142.92 mln mobile subscribers**
- **O3b, RCS deliver high speed internet to South Sudan**
- **NordNet offers service over Axione Limousin WiMAX network**
- **WiMAX Prepares Final Defense for the 3.65-3.7 GHz spectrum band to FCC**
- **Join the WiMAX Aviation 2014 - Sendai this Week**
- **Infast to provide regional broadband network to Rzeszow city**
- **R & D Activities in Japan for Improved Air Traffic System**
- **BSNL Launched WiMAX Unbilled Data Usage Checking through SMS for Limited Usage**
- **Wireless Broadband Plans**
- **Carrier Wi-Fi Americas 2014**
- **Smart technology could help government meet energy mandates**
- **Gartner Hype Cycle: Exploring the leading-edge technologies for a digital business**
- **Working Together to Help Shape the Future of Aviation**
- **Join the WiMAX Oil & Gas 2014 this Week at OilComm**
- **Broadband blend**
- **Careful conservation protects Ha Long Bay's timeless beauty**
- **InterProject deploys WiMAX network in Bryansk**
- **WiMAX Africa 2014 is One Week Away**
- **Turning your home into a WiFi zone!**
- **BSNL WiMAX : India's 1st 4G Wireless Broadband Service @ Affordable Tariff**

- **Over 94,000 broadband users in Montenegro in September**
- **MTS constructs Far East and Eastern Siberia WiMAX network**
- **Broadband blend**
- **Careful conservation protects Ha Long Bay's timeless beauty**
- **InterProject deploys WiMAX network in Bryansk**
- **Turning your home into a WiFi zone!**
- **BSNL WiMAX : India's 1st 4G Wireless Broadband Service @ Affordable Tariff**
- **Over 94,000 broadband users in Montenegro in September**
- **MTS constructs Far East and Eastern Siberia WiMAX network**
- **October 2014 WiMAX Forum Monthly Newsletter**



© 2014 WiMAX Forum®. "WiMAX", "Mobile WiMAX", "Fixed WiMAX", "WiMAX Forum", "WiMAX Certified", "WiMAX Forum Certified", "WiGRID", the WiMAX Forum logo, the WiMAX Forum Certified logo and the WiGRID logo are trademarks or registered trademarks of the WiMAX Forum. All other trademarks are the properties of their respective owners.

[SIGN UP](#) | [ARCHIVE](#) | [UNSUBSCRIBE](#) | [Read more at WiMAXForum.com](#)

