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The header features a dark blue background with a glowing green and blue globe. A network of white lines connects various points on the globe, symbolizing global connectivity. The WiMAX Forum logo, consisting of two overlapping white circles, is positioned to the left of the text.

WiMAX FORUM[®] NEWSLETTER

AUGUST 2015

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INTRODUCTION

Dear Respected Colleague,

While much of the world has been away enjoying summer holidays, we at the **WiMAX Forum** have been preparing to host, attend, and participate at very important **events** for the remainder of 2015 and continuing to bring the highest value to our Membership as WiMAX's market share further expands.

This month, we have been gearing up for an exciting array of events in the Fall primarily in the Aviation space that will allow us to achieve significant milestones in our **AeroMACS** initiative. Bringing more viability to the market, we will complete the beginning phases of AeroMACS Certification this year. After much dedicated work from the Aviation Working Group, the Multivendor Interoperability Demonstration Event (MIDE) will take place in early September with five AeroMACS vendors bringing base station and subscriber station equipment for testing to our accredited AeroMACS Designated Certification Lab (ADCL) **Powertech Labs**.

Through our other events, we are reaching out to new diverse audiences in the Aviation community. We will continue to increase awareness of, educate, and meet with Aviation industry experts worldwide—Brazil, China, and US—about implementing and developing AeroMACS networks in ways that will best serve all stakeholders: airlines, air traffic agencies, and airport authorities.

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

- **Wireless China Summit 2015** meeting being held on September 16-17, 2015 at the Crowne Plaza Beijing Sun Palace in Beijing, China. Explore how AeroMACS is able to shape the future of airport operations. The WiMAX Forum will lead panels, presentations and discussions during the AeroMACS Track on September 16, 2015 from 1:45pm to 6:00pm.
- **Broadband World Forum 2015** meeting being held on 20-22 October, 2015 at the ExCeL, in London, UK. WiMAX Forum Chairman Dr. Mo Shakouri will speak on the "Interactive Debate: Where does Public and Free Wi-Fi fit into Operators Strategies?" on October 22, 2015 at 12:40-1:10pm.
- **AeroMACS 2015 - National Harbor** held at ATCA 60th Annual on Tuesday November 3, 2015 at 14:00 at the Gaylord National Resort and Convention Center, 201 Waterfront St, National Harbor. The Seminar will focus on supporting the global Aviation Community in managing profitable developments and growth of their AeroMACS networks.

Look out for more information on **WiMAX Advanced**, **WiGRID**, **AeroMACS**, as well as other **upcoming events** to be announced as of yet. If you have any questions regarding any of this or our organization's activities, please reach out to us. We look forward to hearing from you, and continuing to work with you throughout the year.

Enjoy the rest of summer, and we hope to see you at one of our upcoming events.

Best Regards,

WiMAX Forum

EVENTS

In August, the WiMAX Forum continues to stay busy planning and attending events. We will continue in our efforts to bring you quality events directly hosted by the WiMAX Forum, we will also have a presence and participate at key industry events. The WiMAX Forum team looks forward to seeing you at of these events.

The following is the summary of the upcoming events:



Latam's leading meeting place for Cloud & Big Data! **Cloud Brazil 2015** will take place **on September 1-2 at Blue Tree Premium Morumbi Hotel, São Paulo.**

Facing a less than promising economic scenario, infrastructure and operations areas are being pressured to reduce spends, to do more with less and to innovate while fomenting growth. Because of all that, the event will bring useful information, tendencies and technological strategies to help CIOs and IT professionals to deliver operational excellence with cost reduction, within an acceptable security level.

The WiMAX Forum is proud to be a sponsoring organization. For more information and event registration, please visit **Cloud Brazil 2015**.



The 20th annual **Middle East Com conference** will take place **on the 14-15 September this year at the Habtoor Grand in Dubai.** With competition intensifying and margins being squeezed, the 2015 conference will identify new avenues for operators to generate revenues. Positioning themselves

at the heart of the digital value chain, operators will learn from entrepreneurs and innovators finding success in the digital space.

The WiMAX Forum is proud to be a sponsoring organization. For more information and event registration, please visit [Middle East Com conference](#).



The upcoming Wireless China Industry Summit will take place on **September 16-17, 2015 at the Crowne Plaza Beijing Sun Palace in Beijing, P.R.C.** This educational program provides insights about a broad range of critical issues and exciting new developments. At the Wireless China Industry Summit, you and your organization will have a firsthand opportunity to learn more about the latest wireless technologies and their applications in high growth market segments.

The WiMAX Forum will host - AeroMACS Track - at the Wireless China Industry Summit!



Next generation wireless communications is paving the way for airport and aircraft operations to become more efficient, safe and profitable. The second AeroMACS Seminar at Wireless China Summit focuses on a new wave of solutions, services and avionics that offers connectivity for applications at the airport surface. Explore how AeroMACS is able to shape the future of airport operations. The WiMAX Forum will lead panels, presentations and discussions during the **AeroMACS Track on September 16, 2015 from 1:45pm to 6:00pm.**

Increase your presence at the Wireless China Summit and the AeroMACS Track with a sponsorship! This high-profile event offers sponsors a speaking opportunity, exhibition space, and excellent visibility before, during, and after the event. For more information about the sponsorship that best suit your needs, please contact Alessandra Rocha at Alessandra.Rocha@WiMAXForum.org.

Sponsored by:

The Siemens logo consists of the word 'SIEMENS' in a bold, teal, sans-serif font, set against a white background.

Supported by:

Office of Radio Regulatory Committee, Civil Aviation Administration of China (CAAC)



Approved and Endorsed by:

Radio Regulatory Bureau, Ministry of Industry & Information Technology (MIIT)

For more information and event registration, please visit [AeroMACS Track at Wireless China Summit 2015](#).



Internet of Things Security 2015 is the first event of its kind to focus on the security issues surrounding IoT and managing the information and data associated with the ever increasing amount of connected devices and appliances. It will take place **on September 22-23, 2015 in Boston Renaissance Waterfront, Boston**. Attracting decision makers, stakeholders and investors together under roof, Internet of Things Security boasts a C-Level executive speaker line-up with interactive round table sessions, case studies and networking breaks designed to instigate discussion and enabling business opportunities.

The WiMAX Forum is proud to be a sponsoring organization. For more information and event registration, please visit [Internet of Things Security 2015](#).



Broadband World Forum 2015, 20-22 October 2015, ExCeL, London, UK is one of the world's largest telecoms, media & technology events with over 7,800 senior executives from across the globe converging on Amsterdam every year to identify the Next Big Thing.

With just under 8,000 attendees from fixed, mobile and cable operators, OTTs and other market disruptors, national and international governments and the world's leading solution providers, BBWF is an exciting place to meet the entire industry under one roof and identify the latest in network innovation, service optimization and customer monetization.

The WiMAX Forum is proud to be a supporting organization and will be at Broadband World Forum 2015!

Come see Dr. Mo Shakouri, WiMAX Forum Chairman, chair the "Interactive Debate: Where does Public and Free Wi-Fi fit into Operators Strategies?" on October 22, 2015 at 12:40-1:10pm.

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



AeroMACS 2015 - National Harbor will be held at **ATCA 60th Annual** on **Tuesday November 3, 2015 at 14:00 at Gaylord National Resort and Convention Center**, 201 Waterfront St, National Harbor, MD 20745 - Washington, DC area.

AeroMACS 2015 - National Harbor 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. This seminar is constructed to allow the global Aviation Community to network, share key lessons, and collaborate for the benefit of the industry. Our goal is for attending participants to gain concrete knowledge that will help them build best-in-class AeroMACS networks.

In addition, come visit the WiMAX Forum stand during ATCA 60th Annual at **Booth 201** at IFEMA - Feria de Madrid Convention Centre. We will be happy to tell you about us and AeroMACS solutions. For the Exhibit Hall floor plan, click [here](#).

For more information and event registration, please visit [AeroMACS 2015 - National Harbor](#).

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. 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 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.

If you are interested in speaking with our leadership team on our specific initiatives or have questions regarding WiMAX Forum Membership, please send a message to Membership@wimaxforum.org.

The WiMAX Forum would like to extend a special welcome to the new members from 2015:

- **American Association of Airport Executives (AAAE)**
- **Alpha Tel S.A.**
- **Gemtek**

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** focus on: **AeroMACS**, **Smart Energy** and various spectrum access solutions.

The Aviation Working Group (AWG) and its task groups are making great strides on our key projects: AeroMACS Certification, AeroMACS PKI, and FCC Service Policy Petition. The Certification Task Group is making final preparations for the Multivendor Interoperability Demonstration Event (MIDE) on September 7-11 at **Powertech Labs**, our accredited AeroMACS Designated Certification Lab (ADCL). Five AeroMACS vendors will bring base station and subscriber station equipment for testing. The CTG continues development work on Radio Conformance Tests for AeroMACS Certification Wave 1 to be available in late Fall 2015 at Powertech Labs. AeroMACS Certification Wave 2 will be available in 2016. The PKI task group is developing a draft Certificate Profile and Policy document in collaboration with **ICAO** Working Group S, that can serve as a guideline to the groups in the industry that are developing related requirements. After initial testing of X.509 certificate applications for AeroMACS, **Symantec** will be offering a Proof Of Concept for our members deploying AeroMACS Trial Networks. The Forum has begun the drafting of the FCC Service Rule for the use of AeroMACS Spectrum in the United States. This Service Rule petition will set the ground rules for exploitation of the spectrum for the next 20 years.

Regarding the 3.5 GHz band, the Smart Energy Working Group (SEWG) members are planning their response to the FCC's second FNPRM, and members continue to participate in the Wireless Innovation Forum (WInnForum) Spectrum Access System (SAS) committee to influence the rules that regulate

the 3.5 GHz band. Collaborating with utilities, the WiMAX Forum continues to investigate other smart grid spectrum alternatives such as the 700MHz band with 1MHz channels and pursue the interests of the Smart Grid industry. For narrowband applications, the WiMAX Forum has surveyed utilities to further analyze the addressable market for this and other sub 1GHz spectrum.

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 & WiMAX Advanced Initiative*
- **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 - *Advisory*
- **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!

Now is the time to get involved. With activities 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. To find more information on our Working Groups, please visit: www.wimaxforum.org/about/working-groups.

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 August:

- **WiMAX Forum To Host AeroMACS Seminar at ATCA Annual Conference**
- **Air Traffic Control Is Getting A Much-Needed Upgrade**
- **Wireless Innovation Forum Announces Approval of its FY2016 Operations Plan by Membership**
- **A year on, Science City still at ground level**
- **Telecentras revenue up 1% in H1**
- **IoT World Europe 2015**
- **Top 4 opportunities at FAA**
- **VoEx International Delegation at CWC's Annual Iraq Telecom 2015 Conference in Istanbul**
- **Montenegro passes the million dollar mark for mobile users**
- **Tiscali open to telecoms consolidation**
- **Towerstream Lowered to Sell at Zacks (TWER)**
- **61st Air Safety Forum Video - Implementing Nextgen In North America Today**
- **TNM takes Smart e-WIMAX golf to Blantyre Sports Club**
- **4G Americas pushes regulators to start planning process for 5G spectrum**
- **34th DASC In Prague, Czech Republic with AeroMACS Presentation by Rafael Apaza at NASA**
- **Electric deregulation cost Texas customers money, but they're beating the nation now**
- **FCC approves four Connect America Fund projects totaling \$11.2M**
- **Edward Bolton Nextgen Defined Video: Federal Aviation Administration Next Generation Air Transportation System**
- **BSS & OSS + CEM, Big Data & Analytics 2015**
- **Huawei: Helping build a better connected Saudi Arabia**
- **ACI-NA Annual Conference 2015 in Long Beach on October 4-7 with WiMAX Forum Participation**
- **It's (a) Grand! FAA Passes 1,000 UAS Section 333 Exemptions**
- **Windstream takes \$175M in Connect America Funds, sets broadband expansion to 400K rural locations**
- **Patent application: Satcom Data Unit with Wireless Device**
- **Fierce Energy & Smart Grid News Announce 3rd Annual Innovation Awards Program**
- **IoT Security in Boston on September 22-23, 2015**
- **Rosenworcel: Think Wisely About Spectrum's Future**
- **FCC's Wheeler points to 600 MHz for '5G coverage layer,' promises to study spectrum above 6 GHz**
- **Elitecore Wi-Fi SMP enables a leading NEP for multiple carrier Wi-Fi rollouts in Africa**
- **SAI Subcommittee - AeroMACS Working Group Meeting**
- **Nepal: regulator reports cellular penetration topped 90% by mid-April**

- **Spectrum Auction: 2G, 3G base price likely to be set at \$25m**
- **NTA starts preparation to start 4G service**
- **WTB Revises The Historic Preservation Review Process**
- **Interview: Karim Cherfaoui – CEO, Divona Algeria**
- **Avionics for NextGen 2015 Adds Nextgen 101 Course from Embry Riddle Aeronautical University**
- **Honeywell Selected By SunExpress Airlines To Maximize Safety And Efficiency Of New Boeing 737 Fleet**
- **Connector Systems brings new network vendor on board**
- **July 2015 WiMAX Forum Monthly Newsletter**



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