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The header features a dark blue background with a glowing green and blue network grid overlaying a satellite image of Earth. The WiMAX Forum logo, consisting of two overlapping white circles, is positioned to the left of the text.

# WiMAX FORUM<sup>®</sup> NEWSLETTER

SEPTEMBER 2016

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## INTRODUCTION

Dear Respected Colleague,

While September has been packed with many exciting events, the **WiMAX Forum** and its **member companies** continue to increase awareness of WiMAX technology. We will host, attend, and participate in important and well-received industry **events** for the remainder of 2016 and bring the highest value to the WiMAX community as the market share expands.

Last month, a call for tenders has been issued by the SESAR JU, which includes completion of Aeronautical Mobile Airport Communications System (**AeroMACS**) development. To access tenders, please click on the following: **SESAR JU Call for Tenders**. The FAA has also issued a call for vendors that are members of the WiMAX Forum for AeroMACS Field Tests at Boston's Logan International Airport to help the agency develop guidance for how the technology can be used for communications among aircraft, ground vehicles and airport operations. For more details, please click on the following: **FAA Calls for Vendors for AeroMACS Field Tests**.

This month, the WiMAX Forum hosted its third annual **AeroMACS Track at the Wireless China Industry Summit** on September 8, 2016 in Beijing. The seminar focused on the benefits and the implications of the latest developments of AeroMACS networks in a growing market. In addition to the seminar, **Declan Byrne**, WiMAX Forum President, delivered a keynote address to the Plenary on "AeroMACS Gains Momentum: Industry Update."



The WiMAX Forum would like to thank **Siemens** for sponsoring the AeroMACS Track and **CAAC** for supporting the event. Additionally, the WiMAX Forum would like to give special thanks to **ADCC**, **ConvergEX Technologies**, **Honeywell**, **Leonardo Company**, **Siemens**, and the WiMAX Forum whose executives spoke about the recent AeroMACS deployments in the Asia (particularly China), Europe, and US.

This week, the WiMAX Forum leadership is in Montreal to participate at the **ACI-NA/World Annual Conference & Exhibition 2016**. From September 25-28, the WiMAX Forum with member companies **Siemens** and **Telrad Networks** is exhibiting at the event, held at the Palais des

congrès de Montréal in Montreal, Canada. On September 26, WiMAX Forum President Declan Byrne presented "AeroMACS—A Licensed Wireless Broadband Technology—Improving the Safety, Capacity and Efficiency of the Airport Surface" at the ACI-NA Solutions Showcase, which was well received by the aviation community.

From Montreal directly to DC, the WiMAX Forum President Declan Byrne and industry experts will participate in a panel discussion on FAA's effort to position AeroMACS as an enterprise solution for bringing wireless broadband connectivity to airports; AeroMACS is already a large part of Europe's SESAR 2020 project. **Avionics for NextGen 2016** is being held on September 28-29 at the Westfields Marriott in Washington Dulles.

Next month, the WiMAX Forum along with its member companies will present to broad yet targeted audiences about AeroMACS at key aviation events and share the latest developments for the technology, which include new deployments at airports around the globe, certification, security with PKI, and more. This year promises much progress for the AeroMACS market, which is derived from our efforts in developing certification and security as well as our continuation in hosting and participating in several industrial events. The WiMAX Forum will participate in the below event:

The **61st Annual ATCA Conference & Exhibition 2016** will be held on October 16-19 at the Gaylord National Resort and Convention Center in National Harbor, MD, USA. The WiMAX Forum will participate in the ATCA exhibition and host **AeroMACS 2016 – National Harbor** summit on October 18.

Through our events, speaking opportunities, and webinars, we are reaching out to diverse audiences in the WiMAX community about implementing and developing **AeroMACS**, **WiGRID**, and WiMAX networks in ways that will best serve all stakeholders. Please stay tuned for more details and look for information on our **upcoming events** to be announced as of yet.

If you have any questions, please do not hesitate to reach out to us.

We at the WiMAX Forum wish you all a wonderful remainder of September, a prosperous October, and we hope to see you at one of our upcoming events.

Best Regards,

WiMAX Forum

## EVENTS

In the following months, the WiMAX Forum will plan and attend events globally. We continue our efforts to bring you quality events hosted by the WiMAX Forum, and we will present and participate at key industry events. The WiMAX Forum team looks forward to seeing you at these events.

The following is the summary of the upcoming events:

# IoT Security Summit

**Internet of Things Security** is the first event of its kind to focus on the key security and privacy issues surrounding IoT and to address the most crucial challenges that inevitably arise from managing the data associated with the ever increasing amount of connected devices and appliances. It will take place on **October 17-19, 2016 at Hynes Convention Center, Boston, MA, USA.**

**The WiMAX Forum is proud to be a supporting organization!**

For more information, please visit: [IoT Security 2016](#).



The WiMAX Forum will host **AeroMACS 2016 – National Harbor on October 18** collocated with 61st ATCA Annual Conference at the Gaylord National Resort and Convention Center in National Harbor, MD, USA. This ATM event attracts key corporations and government decision-makers and provides a great opportunity for us to market the benefits of AeroMACS to airport attendees and other stakeholders. The WiMAX Forum, **Siemens**, and **Telrad** will have AeroMACS booths on the exhibition show floor, and the Aviation Working Group will also meet Face-to-Face on the margins of the ATCA event.

**The WiMAX Forum is proud to be a supporting organization and excited to host an AeroMACS Summit and exhibit at the 61st ATCA Annual Conference!**

For more information, please visit: [AeroMACS 2016 – National Harbor](#).

**Supported By:**





**Broadband World Forum** is globally recognized as the meeting place for senior executives from fixed, mobile, and cable operators all around the world to congregate and discuss the future of the broadband industry. It will take place on **October 18-20, 2016 at ExCeL Convention Centre, Royal Victoria Dock, London.**

**The WiMAX Forum is proud to be a supporting organization!**

For more information, please visit: [Broadband World Forum](#).



**Digital TV Central and Eastern Europe** is the only event in the region that encompasses the full value chain of the TV delivery. The event will provide an unbeatable opportunity to hear direct from pay TV operators, OTT service providers and content companies about the challenges, opportunities and choices they face. It will take place on **October 25-26, 2016 at Hilton Budapest, Budapest, Hungary.**

**The WiMAX Forum is proud to be a supporting organization!**

For more information, please visit: [Digital TV Central and Eastern Europe 2016](#).



**DSS ITSEC** is Baltic's largest, annual security vendor independent conference and exhibition, launched by Data Security Solutions in 2010, in eort to promote Information Technology Security in the region. The conference is widely recognized for its rich content and splendid international outreach. It will take place on **October 27, 2016 at 11, Mukusalas iela, Tornakalns, Riga,**

**Vidzeme, Latvija Latvia.**

**The WiMAX Forum is proud to be a supporting organization!**

For more information, please visit: [DSS ITSEC](#).

**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](mailto:Alessandra.Rocha@WiMAXForum.org).

The WiMAX Forum plans to host and participate in other events over the course of 2016. 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](#).**

## **INDUSTRY SPOTLIGHT**

### **• AeroMACS Advances through WiMAX Forum Seminar in China**

*Continuation of networking and sharing best practices with one of the largest global markets*

This month, the WiMAX Forum hosted its third annual [AeroMACS Track at the Wireless China Industry Summit](#) on September 8, 2016 in Beijing. The seminar focused on the benefits and the implications of the latest developments of Aeronautical Mobile Airport Communications System ([AeroMACS](#)) networks in a growing market.

To read the complete article, please click [here](#).

## **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](mailto:Membership@wimaxforum.org).

The WiMAX Forum would like to extend a special welcome to [Shinsei Corporation](#), the newest

member for 2016.

**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) is preparing for the upcoming AWG Face to Face on October 20-21 in National Harbor to focus on key projects: AeroMACS Certification, AeroMACS PKI, and the FCC Policy Petition. Certification Task Group members completed lists of Interoperability Tests (IOT) and Protocol Conformance Tests (PCT) to support AeroMACS Certification. Powertech Inc., the WiMAX Forum AeroMACS Designated Certification Laboratory, is now validating the setup and tests, and members are developing the specifications associated with IOT and PCT. AWG is on track to begin lab validation and full AeroMACS certification in Q4 2016.

AWG members are collaborating with **ICAO** Working Group S and Working Group I so that security policies produced in the group will serve as guidelines to other groups in the industry that are planning AeroMACS deployments as well as serve as a PKI model for other Aviation technologies. Additionally, the AWG is in the process of a PKI trial demonstration to confirm the interoperability of AeroMACS PKI and Certificate Profiles. If your company is interested in participating in this trial, please reach out to Rich Hawkins at [Rich.Hawkins@WiMAXForum.org](mailto:Rich.Hawkins@WiMAXForum.org). The Forum is finalizing its Service Rule petition to the FCC 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.

The Smart Energy Working Group (SEWG) members plan to further influence the FCC's CBRS rules that regulate the 3.5 GHz band and to form a viable shared spectrum ecosystem in the United States. In December 2015, the WiMAX Forum submitted **comments** on grandfathered wireless protection zones in response to the FCC Wireless Telecommunications Bureau's Public Notice on its proposed methodology for defining the zone in which grandfathered 3650-3700 MHz licensees will receive interference protection during the transition of that band into the larger 3550-3700 MHz regulatory regime.

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*

We have a lot to get done in the new year and we need the help of your technical experts in these groups. This is especially true for the Aviation Working Group as they prepare for the next wave of AeroMACS Certification and finalizing a PKI solution for the industry. 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 workspace area 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](mailto:Rich.Hawkins@WiMAXForum.org). To find more information on our Working Groups, please visit: [www.wimaxforum.org/Page/About/Working-Groups](http://www.wimaxforum.org/Page/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 September:**

- [FAA Wants to Quiet Radios With Data Comm](#)
- [Barix Audio over IP Solutions Enhance Connectivity for Caribbean Broadcaster](#)
- [GE Power: Future of Electricity in Indonesia and how digitization will help powering everyone](#)
- [Siemens CEO Says Geopolitical Upheaval Could Crimp Orders](#)
- [Digital technologies lift world barriers](#)
- [Standoff on Single Sky performance watchdog](#)

- **Pakistan adds 900,000 broadband subscribers in August**
- **Malaysians look overseas as AUD and GBP weaken**
- **Taiwan seeks global support to join ICAO**
- **FAA ADS-B rebate website is live**
- **Learn about AeroMACS at ACI-NA/World Conference & Exhibition**
- **Siemens announces massive investment in Argentina**
- **General Electric Aviation and 3-D printing President and CEO, David L. Joyce was offered the post of vice-chairman in General Electric**
- **Microgrid player Hitachi sets long-term environmental strategy**
- **Inmarsat and MCN/ADCC sign agreement to provide aviation safety services to fast-growing Chinese market**
- **IoT Security 2016 in Boston**
- **YTL extends closing date for YTL e-Solutions takeover**
- **Concerns and hopes for towercos**
- **Federated Wireless already in trials with unnamed operators: CEO**
- **AeroMACS Advances through WiMAX Forum Seminar in China**
- **Big in Japan: UQ Continues to Spur WiMAX Growth**
- **FAA Calls for Vendors for AeroMACS Field Tests**
- **FAA, Boeing to Keynote Avionics for NextGen**
- **New Air Transportation Center of Excellence at Embry-Riddle**
- **Eurocontrol renews commitment to SESAR project**
- **BSNL to test high speed INFOMARK Wi-Fi routers in the Kerala telecom circle**
- **Baleària installed on three of its ships wifi service**
- **FAA, Boeing to Keynote Avionics for NextGen**
- **FCC chairman tackles three barriers to 5G success**
- **Boston Logan Test Will Drive WiMAX Guidance**
- **You can't miss the AeroMACS Track at Wireless China Summit this week**
- **SESAR Solutions Catalogue Features AeroMACS**
- **A new perspective on urbanisation**
- **FCC seeks comments on additional bands for 5G, security regulations**
- **FAA works to harmonize regulatory systems globally**
- **Honeywell's SmartRunway and SmartLanding system secures certification in Europe**
- **Broadband subscriptions cross 34.6 mln mark in Pakistan**
- **Indra participates in SESAR trials to improve the integration between airports and the European network manager**
- **Telenor-Wateen merger on the cards**

- **FCC Approves (Very Late) Application to be a 70/80/90 GHz Database Manager**
- **August 2016 WiMAX Forum Monthly Newsletter**



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