View this email in your browser

WiMAX FORUM® NEWSLETTER

MARCH 2017

IN THIS ISSUE

- **Introduction**

- **Events**

- **Industry Spotlight**

- **Membership Services**

- **Working Groups**

- **WiMAX Forum News**

INTRODUCTION

Dear Respected Colleague,

The **WiMAX Forum** with the help of our **member companies** is producing important work and participating at key industry-related events to advance the **AeroMACS**, **WiGRID**, and **WiMAX technology**.

On March 8, the WiMAX Forum hosted the first AeroMACS conference of 2017 collocated with **World ATM Congress** in Spain. **AeroMACS 2017 - Madrid** was a great success with attendees from around the world discussing the outlook of airport communications. The event illustrated the tremendous potential and interest in the current use of AeroMACS, and further drove collaboration among industry players to support the broadband technology as an industry standard.

Attendees were treated to a half-day program that touched on a wide range of topics including standardization, applications, AeroMACS networks implemented around the globe, certification progress, security, and more. The program highlighted the opportunities and strategies involved in operating an AeroMACS network. The WiMAX Forum would like to thank the contributing speakers from the following companies:

Aviation Data Communication Corporation (ADCC)	**Leonardo Company**
Airlines Electronic Engineering Committee (AEEC)	**Powertech Labs**
EUROCONTROL	**Siemens**
International Civil Aviation Organization (ICAO)	**Telrad Networks**

To foster a prosperous environment and future for the WiMAX ecosystem, the **WiMAX Forum Staff**, **Board of Directors**, **Working Group Representatives**, and **Members** will host, attend, and participate globally with speakers in key industry events throughout this year. Through our events, speaking opportunities, seminars, and webinars, we are reaching out to diverse audiences in the WiMAX community.

We will continue to increase awareness of, educate, and meet with industry leaders worldwide about implementing and developing WiMAX, AeroMACS, and WiGRID networks in ways that will best serve each and all stakeholders. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the WiMAX industry. Here is the summary of **upcoming events** that we are hosting and participating during the coming months:

• **ICNS** will be held on April 18-20, 2017 at Westin Washington Dulles Airport in Herndon, Virginia. The WiMAX Forum President Declan Byrne will present during the Data Link Communications Session on Tuesday, April 18.

• **IFALPA** will be held on May 5-8, 2017 at Hotel Bonaventure in Montreal, Canada. The WiMAX Forum will exhibit AeroMACS during the IFALPA Conference.

• **ACI-NA** will be held on September 17-20, 2017 in Fort Worth, Texas. The WiMAX Forum will exhibit AeroMACS at Booth 346 during the ACI-NA Conference.

Member organizations have already been contacted by our membership and finance teams. As always we stand ready to answer any questions that you have. If you have questions or would like more information regarding your membership status, please email **Membership@WiMAXForum.org**, and we will respond as quickly as possible.

If you have any questions, please reach out to us. We look forward to continuing to work with you through 2017.

Best Regards,

WiMAX Forum

EVENTS

In the following months, the WiMAX Forum will host 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:

ICNS
CONFERENCE

The ICNS Conference will take place on **April 18-20, 2017 in Herndon, Virginia**. The WiMAX Forum President Declan Byrne will give a presentation during the Data Link Communications Session among other **AeroMACS presentations** from Avicom and MITRE from **1:00-3:00pm on Tuesday, April 18**. For more information, please visit: **ICNS 2017**.

DELIVERY OF THINGS WORLD

Delivery of Things World will take place on **April 24-25, 2017 in Berlin**. For more information, please visit: **Delivery of Things World 2017**.

Mobile Dev + Test
IoT Dev + Test
A TECHWELL EVENT

Mobile Dev + Test and IoT Dev + Test conferences will take place on **April 24–28, 2017 in San Diego, California**. For more information, please visit: **Mobile Dev+Test and IoT Dev+Test 2017**.

Broadband Latin America

Broadband Latin America will take place on **April 26, 2017 in Rio de Janeiro, Brazil**. For more information, please visit: **Broadband Latin America 2017**.

The 3rd Transport Wireless Rail Conference will take place on **April 26-28, 2017 in Changsha**. For more information, please visit: **Transport Wireless Rail Conference 2017**.

The International Federation of Air Line Pilots' Association (IFALPA) will host the 72nd conference on **May 5-8, 2017 in Montreal, Canada**. **The WiMAX Forum will exhibit at IFALPA 2017!** For more information, please visit: **IFALPA**.

STAREAST will take place on **May 7-12, 2017 in Orlando, Florida**. For more information, please visit: **STAREAST 2017**.

5G North America will take place on **May 15-17, 2017 in Austin, Texas**. For more information, please visit: **5G North America 2017**.

CommunicAsia2017 Summit will take place on **May 23-25, 2017 in Singapore**. For more information, please visit: **CommunicAsia2017**.

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 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

• **The Need for AeroMACS Is Confirmed**
The Demand for Aeronautical Mobile Airport Communication System (AeroMACS) Grows

A half-day **AeroMACS Symposium**, hosted by the **WiMAX Forum**® at World ATM Congress this month, demonstrated the growing need for **AeroMACS** in not only Europe, but also worldwide. At the Symposium on the future of AeroMACS, we shared the results of a survey carried out by **EUROCONTROL**, the European Organization for the Safety of Air Navigation, which showed the interest in AeroMACS among European stakeholders. The International Civil Aviation Organization (**ICAO**) and the Federal Aviation Authority (**FAA**) have recommended AeroMACS as the solution to support airport surface communication for the safety and regularity of flight.

To read the complete press release, please click **here**.

• **The WiMAX Forum Announces Two New Board of Directors**
The WiMAX Forum Welcomes Leonardo Company and Telrad Networks to its Board as AeroMACS Make Gains

The **WiMAX Forum**®, the leading organization that certifies and promotes the compatibility and interoperability of broadband wireless products based upon IEEE Standard 802.16, announced that the **Board of Directors** elected two new Board members: **Paolo Troyer**, Product Manager for

Civil ATC Communications at **Leonardo Company** and **Mark Altshuller**, CTO at **Telrad Networks**. Both companies are worldwide leaders in the development and deployment of Aeronautical Mobile Airport Communications System (**AeroMACS**) and next generation of wireless technologies.

To read the complete press release, please click **here**.

MEMBERSHIP SERVICES

The **WiMAX Forum Membership** provides a wide range of **benefits and services** that promote growth and innovation of AeroMACS, WiGRID, and WiMAX technology.

Only WiMAX Forum Members can **certify** products to guarantee interoperability and standard compliance for AeroMACS, WiGRID, and WiMAX; secure networks using **Public Key Infrastructure (PKI)** certificates; develop technical specifications; influence favorable regulatory environments; and contribute to the growth of the industry through standards development that satisfy the market needs, among other advantages.

The WiMAX Forum is committed to delivering the value necessary for our members to get the most from their membership, and we are always engaging with individual members to discuss how we can better serve them. If you are interested in speaking with our leadership team on our specific initiatives or have any questions, please send a message to **Membership@wimaxforum.org**.

The WiMAX Forum is the best place to access, leverage, and influence the growth and development of the AeroMACS, WiGRID, and WiMAX Technology. So be a leader 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) collaborates on three key initiatives: AeroMACS PKI, AeroMACS Certification, and the FCC Policy Petition. With much progress and many vital conversations taking place in the AWG PKI Task Group and Certification Task Group, it is a crucial time and a great opportunity to influence and leverage these activities. If you or your company is interested in participating in our **Working Groups**, please contact the TSC Chair Rich Hawkins at **Rich.Hawkins@WiMAXForum.org**.

The AWG PKI Task Group is close to completing a PKI trial demonstration as a proof of concept to confirm the AeroMACS PKI Certificate Profiles as a final step to commercializing AeroMACS PKI.

Additionally, AWG members will attend **ICAO** Working Groups meeting in May to continue collaborating so that AWG PKI policies support and align with industry requirements. The AWG PKI Certificate Policy will serve as the governing document and basis for AeroMACS PKI as well as serve as a PKI model for other Aviation technologies.

The AWG Certification Task Group is driving the development and validation of the specifications and procedures for Protocol Conformance Tests (PCT) and Interoperability Tests (IOT) to support AeroMACS Certification with additional products in the lab for Radio Conformance Testing (RCT). With all validation complete in 2017, the Forum will offer full AeroMACS certification.

The Forum is finalizing its Service Rule petition to the FCC for the use of AeroMACS Spectrum in the United States with plans to file the petition in the next few weeks. This Service Rule petition will set the ground rules for exploitation of the spectrum for the next 20 years.

The WiMAX Forum is discussing how Narrowband can meet smart energy communication needs and monitoring the activity around the FCC's CBRS rules. The Smart Energy Working Group (SEWG) members also 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. The reply comments to the FCC have been in favor of increasing the protection for grandfathered 3650-3700 MHz zone that has been included in 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:

- **AWG** - Aviation Working Group - *Procedures, Profiles & AeroMACS Initiative*
- **SEWG** - Smart Energy Working Group - *Requirements & WiGRID Initiative*
- **SPWG** - Service Provider Working Group - *Requirements & WiMAX Advanced Initiative*
- **TWG** - Technical Working Group - *Technical*
    - **CTG** - Certification Task Group - *Technical*
    - **NTG** - Network Task Group - *Technical*

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. To

find more information on our Working Groups, please visit:
www.wimaxforum.org/Page/About/Working-Groups.

Your participation is important to the WiMAX community!
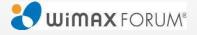
WiMAX FORUM NEWS

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 March:

- **The Need for AeroMACS Is Confirmed**
- **AeroMACS Certification Service**
- **The World ATM Congress generates more than 40 million direct spending**
- **Italy's Go Internet posts sales up 20% to EUR 6.3 mln**
- **Off The Blocks?**
- **Join Us at BCE with Keynote Panelists from Sprint, EdgeConneX, Level 3, Masergy, Zayo and more**
- **Telekom Malaysia names former Celcom head as CEO**
- **More NextGen rollouts as White House floats air traffic shift**
- **NextGen complexity flagged as safety concern**
- **Safety and Flight Ops Conference to Address Safety, Sustainability**
- **Ooredoo to focus on Internet to boost revenue, growth: Chairman**
- **Hong Kong announces roadmap for 5G spectrum availability**
- **Global Interoperability Focus of World ATM Conference Session**
- **The FCC chief's call to action could push 5G along faster**
- **Federated Wireless Spectrum Controller Receives FCC Conditional Certification**
- **Trump budget seeks to significantly reshape FAA, TSA**
- **Agile Dev, Better Software & DevOps West | June 4-9, 2017 | Las Vegas**
- **Aviation Leaders From Over 130 Countries Participate in World ATM Congress 2017**
- **EUROCONTROL Seven-Year Forecast February 2017**
- **Thales, SITAONAIR develop datalink partnership**
- **DECEA, CISCEA and Frequentis receive technology award at international congress**
- **AeroMACS Brought Them Here, and World ATM Congress Impressed – ADCC Interview at World ATM Newspaper**
- **FAA Data-Comm System Still Growing**
- **Leonardo's air traffic control innovations are on show at the 2017 World Air**

- Traffic Management (ATM) Congress in Madrid
- **Do we need another backbone**
- **Privatizing Air Traffic Control is a Solution Searching for a Problem**
- **What do we know for certain about ATM? Partnerships are essential**
- **Air traffic control's next steps debated**
- **Taiwan to release more 4G spectrum by year-end**
- **How SESAR 2020 plans to deliver next-wave of ATM solutions**
- **Get the Latest Developments on AeroMACS at World ATM Congress in Madrid**
- **An IPS Roadmap for Aeronautical Safety Services**
- **Will the world's largest ATC system ever be most advanced?**
- **SESAR solutions deployed in daily operation**
- **Battle looms over next steps for air traffic control**
- **GE Appoints Seven New Company Officers**
- **SESAR Scientific Committee kicks off**
- **CelPlan IoT & Smart Energy Applications Webinar Video - AMERICAS Edition**
- **BSNL To Sign Deal With Nokia On IoT, 5G At MWC 2017**
- **The WiMAX Forum Announces Two New Board of Directors**
- **2016 ATADS Data Posted, Shows U.S. Air Traffic Activity Remains Severely Depressed Overall**
- **Pakistan nears 41 million broadband customers in January**
- **BSNL finalising partnership with Informark Korea for Wimax Mifi hotspots, launch in Kerala**
- **Whither Internet of Things?**
- **Hopefully Congress listened at its Hearing—AIR requires support**
- **Under The Patronage Of The Ministry Of Municipal And Rural Affairs (Momra), Dar Al Riyadh And Nispana Jointly Announces The First Saudi Smart Cities Conference 2017**
- **FAA and NASA Test NextGen Tech to Shorten Flights and Cut Delays**
- **Federated Wireless' Spectrum Controller Receives FCC Conditional Certification**
- **Airlines appeal directly to Trump in push to get government out of U.S. airspace**
- **February 2017 WiMAX Forum Monthly Newsletter**

WiMAX FORUM®

SIGN UP | ARCHIVE | Read more at WiMAXForum.com