



WiMAX FORUM[®] NEWSLETTER

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IN THIS ISSUE

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

INTRODUCTION

Dear Respected Colleague,

We at the **WiMAX Forum** hope that your 2017 is off to a great start! Along with our **member companies**, we are advancing AeroMACS, WiGRID, and WiMAX technology, while we have fruitful conversations, raise awareness about our initiatives, and achieve milestones through collaboration and growing the market for **WiMAX technology**.

On January 30, in partnership with **CelPlan Technologies**, we hosted the well-received first conference of 2017 in conjunction with **DistribuTECH. WiGRID 2017** was a great success. The program focused on Narrowband, the upper 700 MHz A Block spectrum band in the form of two narrow, 1-megahertz channels, demonstrating how to leverage today's events to the industry's advantage.



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

CelPlan Technologies	Select Spectrum
EPRI	UTC
Powertech Labs	

WiGRID 2017 presented up-to-date information and discussed how Narrowband can meet smart energy communication needs. The WiMAX Forum and its **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.

On February 7, the WiMAX Forum participated in a communications workshop at **DECEA** (Brazilian Department of Airspace Control) in Rio de Janeiro, Brazil. AeroMACS was part of the main program presented by Colonel Almeida. After the conclusion of the presentations, interested parties met and discussed about the future of AeroMACS in Brazil in terms of implementations, tests, spectrum and an AeroMACS workshop to take place later in the year.



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. We are seeing concrete results from our activities in the industrial markets particularly through several **AeroMACS** and **Smart Energy** events, which have provided excellent exposure, reception, and engagement. 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:

- **AeroMACS 2017 - Madrid** will be held on 8 March at the Delegate Theater on the exhibition floor located at IFEMA - Feria de Madrid Convention Centre in Madrid, Spain. The WiMAX Forum will host the seminar and exhibit AeroMACS at World ATM Congress 2017!
- **IFALPA** will be held on May 5-8, 2017 at Hotel Bonaventure Montreal. The WiMAX Forum will exhibit AeroMACS at IFALPA 2017!

As a friendly reminder, the WiMAX Forum is currently winding down the bulk of its renewal season. 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. Have a wonderful month!

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:



The WiMAX Forum is pleased to announce the second annual **AerOMACS 2017 – Madrid**. The seminar will be held at World ATM Congress on Wednesday 8 March from 13:00 to 17:00 at IFEMA - Feria de Madrid Convention Centre in Madrid, Spain. The seminar will focus on supporting the global Aviation Community in managing profitable developments and growth of their AeroMACS networks.

For more information, please visit: [AerOMACS 2017 – Madrid](#).



International Wireless Communications Expo (**IWCE**) is the premier event for communications technology professionals. This year's show will be held **March 27-31, 2017 at the Las Vegas Convention Center in Las Vegas, NV**. Use promo code SVE4 for 20% off conference packages or free exhibit hall admission.

For more information, please visit: [IWCE 2017](#).



Internet of Things North America is an innovative event. Already in its fourth year, the 2017 event will be held in **Chicago, Illinois area on March 29-30, 2017**. It will consist of two full days of educational sessions along with an exhibition showcasing solutions.

For more information, please visit: [Internet of Things North America 2017](#).



Connected Cities USA is a new event covering strategies and technologies to bring smart cities to fruition. Hosted in **Chicago on March 29 and 30**, this event will feature a technical session track, exhibit hall, and multiple networking opportunities.

For more information, please visit: [Connected Cities USA 2017](#).



The 2nd Edition of **Convergence Africa World** expo is themed as "Connecting Africa". It will take place on **April 5-7, 2017 at Kenyatta International Convention Centre, Nairobi, Kenya**.

For more information, please visit: [Convergence Africa World 2017](#).



The International Federation of Air Line Pilots' Association (**IFALPA**) will host the 72nd IFALPA conference on **May 5-8, 2017 at Hotel Bonaventure Montreal**. The mission of IFALPA is to promote the highest level of aviation safety worldwide and to be the global advocate of the piloting profession; providing representation, services and support to the aviation industry.

The WiMAX Forum will exhibit at IFALPA 2017! For more information, please visit: [IFALPA](#).

CommunicAsia2017 Summit

CommunicAsia2017 Summit will return stronger and revolutionizing! Be prepared to be overwhelmed by thought-provoking presentations, interactive panel discussions, engaging workshops on pertinent issues. It will take place on **May 23-25, 2017 at Marina Bay Sands, 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

• **AeroMACS 2017 – Madrid to Be Held at World ATM Congress**

Learn about the latest developments for a wireless broad technology that is an upgrade for the communication system on the airport surface

The WiMAX Forum® is proud to announce that its second AeroMACS 2017 – Madrid will be collocated with World ATM Congress on Wednesday, March 8 at 13:00-17:00 at the Delegate Theater on the exhibition floor located at IFEMA – Feria de Madrid Convention Centre. The event will support the global Aviation community in deploying profitable, effective Aeronautical Mobile Airport Communications System (AeroMACS) networks. Participation is free and open to all World ATM Congress attendees.

AeroMACS 2017 – Madrid will highlight the latest AeroMACS developments and their positive impact on the Aviation industry. The afternoon seminar will focus on the AeroMACS international standardization, government perspective, implemented projects, certification, security, and more. AeroMACS 2017 – Madrid will foster networking, exchanging of ideas, and sharing key lessons to advance progress for AeroMACS and influence the technology worldwide. While the event will identify the challenges, it will go into the many opportunities that are available to the Aviation community.

To read the complete press release, 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.

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) 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 participation in our **Working Groups** or a leadership role, please contact the TSC Chair Rich Hawkins at Rich.Hawkins@WiMAXForum.org.

The AWG PKI Task Group is currently conducting 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 are collaborating with **ICAO** Working Groups so that AWG security policies match industry requirements and serve as guidelines to other industry groups that are planning AeroMACS deployments as well as serve as a PKI model for other Aviation technologies.

The AWG Certification Task Group is developing and validating 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 submit the petition in Q1 2017. This Service Rule petition will set the ground rules for exploitation of the spectrum for the next 20 years.

The WiMAX Forum and CelPlan Technologies hosted **WiGRID 2017 – DistribuTECH** on January 30 in San Diego, CA, USA to discuss how Narrowband can meet smart energy communication needs. 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 February:

- [World ATM Congress Features AeroMACS Seminar](#)
- [AeroMACS Highlighted at ICNS Including Presentations from Avicom Japan, MITRE and WiMAX Forum](#)

- **Aeronautical Mobile Airport Communication System (AeroMACS) Release: 5 - Status: Available for deployment**
- **Free Webinar: Part 3 - IoT & Smart Energy Applications**
- **The Utility View of Achieving Agility in the Distributed Energy Era through a Holistic and Flexible Digitalization Approach**
- **Internet of Things North America in Chicago on March 2017**
- **Sequans Communications' (SQNS) CEO Georges Karam on Q4 2016 Results - Earnings Call Transcript**
- **A smarter approach to 5G spectrum management**
- **Montenegro launches 3400MHz-3600MHz BWA tender**
- **Global Mobile wants government to return seized WiMAX spectrum**
- **The Wireless Innovation Forum Hosts Workshop, Webinar on CBRS Band**
- **UCC sets new policy for radio frequency spectrum management in Uganda**
- **NextGen Air Traffic Modernization Program Update, FAA (Multi-Videos)**
- **SESAR 2020 Exploratory Research and Very Large Scale Demonstrations Call for Proposals**
- **Liquid Telecom quenches Tanzania internet demand**
- **7 Things You Need to Know About US Air Traffic System Reform**
- **Mobile Dev+Test and IoT Dev+Test**
- **New think-tank launched to promote air traffic management liberalisation**
- **Tower Talk: a guide to the latest major cell site developments**
- **Trump Slams Air-Traffic System, Cheering Privatization Advocates**
- **5G spectrum holder Straight Path secures new funds**
- **A rugged solution for wastewater**
- **Federal Aviation Administration National Airspace System Capital Investment Plan Fiscal Years 2017 – 2021**
- **New FCC chair vows to shrink industry regulations**
- **KDDI sees solid growth in 9M profit, revenue**
- **DistribuTech Roundup: Distributed Energy Intelligence, AMI as IOT, and Better Bird-on-a-Wire Sensors**
- **Roy Hill turns to Azure, SAP for IoT insights**
- **Top 5 Wireless Technologies**
- **International Wireless Communications Expo (IWCE) in Las Vegas**
- **Unlicensed Broadband Radios And The Market Dynamics**
- **Partnering for excellence in global aviation – SESAR and partners @ World ATM**
- **Qualcomm Faces a Nasty New Lawsuit Regarding Apple**
- **IoT & Smart Energy Applications – CelPlan Webinar**
- **IWCE 2017 Celebrates 40 Years of Educating Communications Technology Professionals**
- **Getting to grips with airport operations management**

- **Connected Cities USA in Chicago on March 29 and 30**
- **Indra Wins Contracts for the European SESAR Project**
- **Smartphone adoption in Asia tops 50%**
- **KYOCERA Introduces New "rafre" Washable Smartphone**
- **Indra wins contracts worth 30 million Euros for the European SESAR project that will increase safety and cut the costs of air navigation services**
- **2017 Broadband Predictions from Mimosa**
- **January 2017 WiMAX Forum Monthly Newsletter**



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