WiMAX FORUM® NEWSLETTER

NOVEMBER 2017

IN THIS ISSUE

INTRODUCTION

Dear Respected Colleague,

The **WiMAX Forum®** with the participation of our **Board of Directors**, **Working Group Representatives**, and **Member Companies** maintained a blistering schedule of valuable activities and produced important work to advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

Last month, the WiMAX Forum participated at the **ATCA 2017 Annual Conference and Exposition** in National Harbor, Maryland. The WiMAX Forum President **Declan Byrne**, and Brent Phillips, Federal Aviation Administration (**FAA**) Senior Systems Engineer presented the AeroMACS Milestones and FCC Rulemaking Petition to participants. WiMAX Forum member **Telrad Networks** showcased AeroMACS products at the exhibition.

At the margins of ATCA, the **FAA** hosted a Future Communications Infrastructure Workshop with focus on AeroMACS to the Chinese Delegation. The four days' workshop included presentations from **Boeing**, **FAA**, **Harris**, **Honeywell**, and **WiMAX Forum**. The Chinese Delegation also had the opportunity to visit the Cleveland Hopkins International Airport and the AeroMACS test site at the **NASA** Glenn Research Center.

This month, on November 7, **Declan Byrne**, WiMAX Forum President, participated at the **AAAE Runway Safety Summit** in Orlando, Florida, and discussed about AeroMACS during the "Advances in Runway Safety Technology" session. On November 15 at the **Avionics for NextGen** in Herndon, Virginia, the WiMAX Forum President Declan Byrne, Brent Phillips, **FAA** Senior Systems Engineer, and Paul J. Prisaznuk, Executive Secretary and Programs Director, Airlines Electronic Engineering Committee (**AEEC**), ARINC Standards Development presented the latest progress towards the wide spread use of AeroMACS.

The WiMAX Forum has been preparing to participate at key industry events for the remainder of 2017 and continuing to bring the highest value to the WiMAX community as the market share expands. Here is the summary of an upcoming event that we are participating during the coming months:

• On **December 12 at 3:30PM** at the International Civil Aviation Organization (**ICAO**) **Second Global Air Navigation Industry Symposium (GANIS/2) and First Safety and Air Navigation Implementation Symposium (SANIS/1)** in Montreal, Canada, the WiMAX Forum President **Declan Byrne** will discuss how to face cyber threats - the strategy for cyber safety. Declan is also scheduled to be the Master of Ceremony for the Cyber Threats Stream on **December 12 at 2:00PM** and **December 13 at 12:30PM**.

To foster a prosperous environment and future for the WiMAX ecosystem, the WiMAX Forum with the participation of our Member Companies will host, attend, and participate globally with speakers in key industry events. 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 all stakeholders. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the industry. For more information about our events, please visit: **WiMAX Forum Events**.

Please reach out to us if you have any questions or comments. We wish you all a wonderful remainder of November and a prosperous December. We hope to see you soon at one of the upcoming events.

Best Regards,
WiMAX Forum

INDUSTRY SPOTLIGHT

The WiMAX Forum maintains a bustling schedule of public appearances, white paper publications, webinars, and press releases on behalf of our industry. Below you can find the latest communications and most relevant activities.

• **AeroMACS Featured at ATCA in October, Avionics for NextGen in November and ICAO in December.**
AeroMACS Gains Momentum and Achieved Milestones.

Learn more about AeroMACS at ATCA, Avionics for NextGen and ICAO Global Air Navigation Industry Symposium (GANIS) & Safety and Air Navigation Implementation Symposium (SANIS). Aeronautical Mobile Communication System (AeroMACS) is the wireless broadband technology that supports the increasing need for data communications and information sharing on the airport surface for both fixed and mobile applications. AeroMACS trials and deployments are underway worldwide and our priority is to help the global aviation industry upgrade its airport surface communications systems with powerful and economical solutions.

To read the entire information, please click here.

EVENTS

In the coming months, the WiMAX Forum will host, participate, attend, and support events globally. We continue our efforts to bring you quality conferences 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.

Featured Events:

	AeroMACS Participation December 12-13, 2017 Montreal, Canada For more information, please visit: **AeroMACS Participation at GANIS and SANIS**

Upcoming Events:

	January 17-18 2018 Chicago, Illinois For more information, please visit: **Smart Cities Symposium**
	February 12-14, 2018 Amsterdam, Netherlands For more information, please visit: **Moving Towards Industry 4.0**
	February 27-28 2018 Munich, Germany For more information, please visit: **Smart Manufacturing Leaders Summit**
	March 7-9, 2018 New Delhi, India For more information, please visit: **Convergence India**
	March 7-9, 2018 New Delhi, India For more information, please visit: **2nd edition IoT India expo**
	March 8-9, 2018 San Diego, California For more information, please visit: **Industry of Things World USA**

	March 28-29, 2018 Chicago, Illinois For more information, please visit: **Internet of Things North America**
	April 18-19, 2018 Chicago, Illinois For more information, please visit: **Industrial IoT USA**
	May 23-25, 2018 New Delhi, India For more information, please visit: **One Mega Event India**

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

The WiMAX Forum would like to extend a special welcome to the new members for 2017:

- **Austro Control**
- **Comodo Group Inc.**
- **Eonti**
- **GAL Air Navigation Services (GALANS)**
- **Jezetek**

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** are key to the development of WiMAX technology. The WiMAX Forum organizes its technical activities through a number of Working Groups that produce technical requirements, develop technical specifications, or advise the forum. Working Groups are chartered by the WiMAX Forum to bring together content experts from member companies. These experts contribute to and harmonize documents and specifications and perform other tasks that the WiMAX Forum has determined to be necessary or useful.

There are currently two active Working Groups focused on **AeroMACS** and **Smart Energy**. It is a crucial time for your organization to influence and leverage the Working Groups activities. If you are interested in participating in our **Working Groups**, please contact us at **info@WiMAXForum.org** and we will be glad to speak with you about this opportunity.

The Aviation Working Group (AWG) is currently working on three main technical activities: AeroMACS Public Key Infrastructure (PKI), AeroMACS Product Certification, and the FCC AeroMACS Petition for Rulemaking. The WiMAX Forum and **ICAO** will finalize an agreement to collaborate in the oversight of AeroMACS PKI for the ecosystem in an AeroMACS Advisory Council (AAC). The AeroMACS Certificate Policy (CP) is complete and will be published once the AAC is in place. The WiMAX Forum has partnered with Eonti to manage and implement **AeroMACS PKI** as the Management Authority (MA) for AeroMACS PKI.

The AeroMACS Designated Certification Laboratory (ADCL) continues to run two more products through Radio Conformance Testing (RCT). In parallel, the AWG Certification Task Group is validating test procedures for Protocol Conformance Tests (PCT). The development of Interoperability Tests (IOT) procedures to support AeroMACS based on current implementations is underway to support an overall certification for AeroMACS compliance in 2018.

On November 20, the Smart Energy Working Group (SEWG) met telephonically with participants to follow up on the narrowband spectrum as IEEE develops the 802.16s standard and the activities around the FCC's Citizens Broadband Radio Service (CBRS) rules that regulate the 3.5 GHz. The group has decided to host a webinar to provide more details about the 3.5 GHz grandfathered operations and transition to citizens broadband radio service. The webinar will be scheduled for the first quarter of 2018 as the details are finalized we will be sure to keep you informed.

You can learn more about the Working Group activities by visiting the member's workspace area to view the outcomes of recent Working Group sessions or join groups to receive emails related to that group's activities. To find more information on our Working Groups, please visit: **www.wimaxforum.org/Page/About/Working-Groups**.

Working Group activity is integral to the success of the Forum, and 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 November:

- **Leonardo Subsidiary Launches New ADS-B Ground Station**
- **Bidding Notice for the Ministry of Land, Airline Facilities, Navigation Facilities**
- **ICAO GANIS-SANIS in Montreal**
- **Japan Ends September with 164 mln Mobile Subscribers**
- **Newsbrief: Mobile Broadband Connections Surge to 46m**
- **NextGen is a Complex Recipe for Italian Wedding Soup**
- **PH Internet Becoming More Affordable**
- **2018 European ATM Master Plan Update Campaign launched in Tallinn**
- **Senate Republican Policy Committee Confirms ATC Privatization is Still Alive**
- **FCC Online Table of Frequency Allocations**
- **46 Million 3G/4G Broadband Subscribers in Pakistan**
- **CBRS Alliance, WISPA Team up to Advance 3.5 GHz Ecosystem**
- **Security software specialist Symantec warns of AI-enabled cyber crimes**
- **FAA Chief Urges Collaboration to Weigh Risks and Keep Pace with Technological Innovation**
- **4th Smart Cities India 2018 Expo**
- **End-to-End Cybersecurity in Aerospace: Are We There Yet?**
- **ICAO Council Endorses New Global Aviation Security Plan**
- **Boeing Signs Deal to Sell 300 Planes Worth $37 Billion to China**
- **Airbus selects Shenzhen for its China Innovation Centre**
- **Twenty Fifth RTCA SC-223 IPS and AeroMACS Plenary**
- **ICAO Council President Highlights Solutions to Air Transport Challenges in Keynote Address**
- **Certificate Authority Business Undergoes Major Changes**
- **CBRS Battle Will Have More Winners Than Losers**
- **Broadband users in Pakistan Cross 48.13 Million**
- **KDDI Q2 Profit down 1.9%, but Revenues up to JPY1.22 Trillion**

- **IoT Data & AI Summit This November in Palo Alto, California**
- **European Aviation Stakeholders Commit to SESAR and the Digital Agenda**
- **New Telecentras Board Appointed**
- **AEEC Meeting Announcement Systems Architecture and Interfaces (SAI) Subcommittee**
- **Comodo CA Sold to Private Equity as DigiCert Completes Symantec CA Purchase**
- **RTCA President Talks Progress on NextGen Deployment**
- **Fifth generation of ecoDemonstrator features two industry leaders working together and flight testing aboard a 777 Freighter**
- **US Businesses Show Support for 5G as FCC Causes Uproar over 3.5GHz Licensing**
- **Samsung sets new CFO as management shift continues**
- **FAA's NextGen Flight Paths and When Data Makes Government Too Efficient**
- **Smart Home Summit This Month in Palo Alto**
- **Air Traffic Control Reform Hits Turbulence in Congress**
- **IoT Market Keeps Growing, with No End in Sight**
- **AeroMACS Participation at the ICAO GANIS and SANIS in Montreal This December**
- **Airlines Electronic Engineering Committee Executives OK ARINC Standardization Efforts**
- **CTIA Applauds FCC Move on 3.5 GHz Band; WISPA Calls It a Step Backward for Rural Broadband**
- **Honeywell Delivers Earnings Per Share of $1.75 and Sales of $10.1 Billion**
- **Symantec Introduces Endpoint Security for Cloud Generation**
- **CariCam in Miami this November**
- **FCC Signals Potential Compromise for Contentious CBRS Spectrum Rules**
- **Companies Lose Ground to Cyber Criminals**
- **October 2017 WiMAX Forum Monthly Newsletter**

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