

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

OCTOBER 2017

IN THIS ISSUE

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

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 over the past months to produce important work to advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

Last month, the WiMAX Forum announced the AeroMACS tests at **Embraer** in Brazil. The tests checked the frequency separation conditions of the Telemetry and AeroMACS services for interference, measured the signals of both channels, and recorded data through the spectrum analyzer. Using **SIEMENS RUGGEDCOM** equipment, Embraer performed the simulated ground operations tests with support from the WiMAX Forum and participation from the Brazilian Department of Airspace Control (**DECEA**). The testing was successful as the simulation proved that the Telemetry and AeroMACS services can operate together and also provided guidance on the channel spacing.

This month, 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.

The WiMAX Forum would like to extend a special welcome to this month's new member, **GAL Air Navigation Services LLC (GALANS)**. **GALANS** (formally a division of Global Aerospace Logistics) is a limited liability company registered by the Abu Dhabi Chamber of Commerce and Industry; based in Abu Dhabi, the capital of the United Arab Emirates, and jointly owned by EAIG and IGG. The primary business objective of GALANS is to become a full and active Air Navigation Services Provider (ANSP) in civil markets, starting in the UAE, and then expanding throughout the GCC and the MENA (Middle East, North Africa) region. Currently GALANS is active in the civil training market and has been awarded contracts providing training for civil stakeholders in UAE through the ICAO-certified GAL ANS ATS Training Centre. If you would like more information regarding the WiMAX Forum Membership benefits, please email Membership@WiMAXForum.org.

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 **November 15 at 4:30PM** at the **Avionics for NextGen** in Herndon, Virginia, the WiMAX Forum President **Declan Byrne**, Brent Phillips, Federal Aviation Administration (**FAA**) Senior Systems Engineer, and Paul J. Prisaznuk, Executive Secretary and Programs Director, Airlines Electronic Engineering Committee (**AEEC**), ARINC Standards Development will present latest progress towards the wide spread use of AeroMACS.
- 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 participate and moderate a panel on December 13. As details concerning this event are finalized, we will be certain to keep you informed.

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 a prosperous end of the month, and we hope to see you 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 this 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:

	<p>AeroMACS Presentation November 15, 2017 Herndon, Virginia For more information, please visit: AeroMACS Presentation at Avionics for NextGen</p>
	<p>AeroMACS Presentation December 12-13, 2017 Montreal, Canada For more information, please visit: AeroMACS Presentation at GANIS and SANIS</p>

Upcoming Events:

	<p>October 26-27, 2017 San Diego, CA For more information, please visit: Delivery of Things World USA</p>
	<p>November 5-10, 2017 Orlando, FL For more information, please visit: Agile Dev, Better Software, & DevOps East</p>
	<p>November 7-8, 2017 Munich, Germany For more information, please visit: Industrial IoT Europe</p>
	<p>November 13-15, 2017 Miami, FL For more information, please visit: CariCam</p>
	<p>November 15-16, 2017 Palo Alto, CA For more information, please visit: Smart Home Summit</p>

 SECURITY OF THINGS WORLD USA	November 16-17, 2017 San Diego, CA For more information, please visit: Security of Things World USA
IoT Data & AI Summit	November 28-29, 2017 Palo Alto, CA For more information, please visit: IoT Data & AI Summit
 Smart Manufacturing Leaders Summit	February 27-28 2018 Munich, Germany For more information, please visit: Smart Manufacturing Leaders Summit
26th Convergence India 2018 <i>Digital Convergence India</i>	March 7-9, 2018 New Delhi, India For more information, please visit: Convergence 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 the key to the development of WiMAX technology, currently focusing on **AeroMACS** and **Smart Energy**.

Currently, the Aviation Working Group (AWG) is focused in three main technical activities: AeroMACS Public Key Infrastructure (PKI), AeroMACS Product Certification, and the FCC AeroMACS Petition for Rulemaking. It is a crucial time for your organization to influence and leverage these 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 WiMAX Forum and International Civil Aviation Organization (**ICAO**) are in the final steps to 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**. This partnership gives the Forum the needed expertise as the Management Authority for AeroMACS PKI.

While the AeroMACS Designated Certification Laboratory (ADCL) continues to run products through Radio Conformance Testing (RCT), 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.

On November 15 at 11am PST, the Smart Energy Working Group (SEWG) will host a conference call to follow up with participants on the narrowband spectrum as IEEE develops the 802.16s standard, the activities around the FCC's Citizens Broadband Radio Service (CBRS) rules that regulate the 3.5 GHz, WiMAX Forum presentation to the Telecommunications Subcommittee at the American Petroleum Institute and more. SEWG Members are invited to participate and will receive the call details, calendar and agenda shortly.

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. Technical Steering Committee coordinates all the Working Groups, which 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*

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 October:

- [AeroMACS Presentation at Avionics for NextGen in November](#)
- [WISPA Members Call on FCC to Preserve CBRS Rules](#)
- [Privatized Air Traffic Control: Wrong for the UK, Wrong for the US](#)
- [FCC Commissioner O'Rielly Gives Intel-Intelsat C-band Proposal a Positive Early Review](#)
- [DSNA, IATA Team on French ATM Strategy](#)
- [Agile Dev, Better Software, & DevOps East in Orlando, Florida](#)
- [O'Rielly Calls Critics' Claims About 3.5 GHz Changes 'Gibberish'](#)
- [A pioneer mayor of Castilla-La Mancha presents his peculiar police to 400 farmers](#)
- [CEO of Siemens' Dresser-Rand Business Takes New Role, Successor Appointed](#)
- [AeroMACS Working Group Meeting Report](#)
- [FCC Faces First Overhaul in 25 Years](#)
- [Google, WISPA Continue Fight to Retain Existing 3.5 GHz Rules](#)
- [The Largest Cyber Security Company Introduces the Cyber Defense Platform](#)
- [Comodo Launches New IoT PKI Security Platform, Partner Program](#)
- [Complimentary Registration to Participate at the Industrial IoT This November in Munich, Germany](#)
- [Xcel Energy Might Split Subsidiary for Minnesota, North Dakota](#)
- [Lawmakers Approve a Six-Month Extension of FAA Authorization](#)
- [FAA Technical Standard Order - TSO-C207a - Aeronautical Mobile Airport Communication System \(AeroMACS\) Airborne Mobile Station \(AMS\) Equipment](#)

- **FCC Plan to Reconsider CBRS Rules on October Meeting Agenda**
- **Indian Scientists Devise Wearable Antenna on Polyester for WiMAX**
- **Honeywell Not Expected to Spin off Its Aerospace Business, Sources Say**
- **Bangladesh Internet Subscriber Base Jumps to 77 Million in August**
- **Mexican Telecom Forum 2017**
- **FCC Chairman Pai Appoints a New Chief Technology Officer**
- **FAA Reform Bid to Continue**
- **David-vs-Goliath Battle Ahead for CBRS Spectrum, Better Fixed Wireless Broadband in Play**
- **Apple Faces down Qualcomm, Ericsson over EU Patent Fees**
- **Industrial Sector: Continued Growth Expected in Aerospace Industry**
- **Twenty Fourth RTCA SC-223 IPS and AeroMACS Plenary**
- **Symantec: We're Not Smarter Than Cybercriminals**
- **ATCA Annual Aireon Arena Agenda**
- **FAA Faces Partial Shutdown as Authorization Approaches Expiration**
- **Comodo Launches IoT Security Platform**
- **IoT Security Summit & Blockchain360 in Chicago**
- **House Fails to Approve Short-Term FAA Reauthorization**
- **Siemens CEO Says Picked Alstom for Financial Strength, CEO**
- **ATM Modernisation: Moving Onwards and Upwards**
- **September 2017 WiMAX Forum Monthly Newsletter**



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