



WiMAX FORUM[®] NEWSLETTER

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INTRODUCTION

Dear Respected Colleague,

The **WiMAX Forum**[®] continues to produce important work to advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology with the participation of our **Board of Directors**, **Working Group Representatives**, and **Member Companies** packed with many exciting news and events.

This month, the WiMAX Forum announced the **Embraer** test with AeroMACS 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.

On September 17-19, the WiMAX Forum exhibited AeroMACS in the **ACI-NA Conference** in Fort Worth, Texas. The WiMAX Forum and member company representatives from **Siemens** met with participants and showcased AeroMACS solutions to industry leaders. If you did not have the opportunity to meet with us, please email info@WiMAXForum.org and we would be glad to schedule a time to speak with you.

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 **October 16 at 12:20PM** 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 will speak about AeroMACS Milestones and FCC Rulemaking Petition at the **Aireon Arena**. To learn more about AeroMACS at ATCA Exhibition, you are invited to visit the WiMAX Forum Member **Telrad Networks** at **Booth 222**. They would be happy to tell you all about their AeroMACS solutions and developments.
- 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. Enjoy the rest of summer, and we hope to see you soon.

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](#).

• **Embraer Performs AeroMACS Tests with Siemens in Brazil.**

The Simulation Proved Aeronautical Mobile Telemetry Services and AeroMACS Can Operate Together Without Interference.




Embraer conducted tests to evaluate how two services— Aeronautical Mobile Telemetry (AMT) and Aeronautical Mobile Airport Communication System (AeroMACS)—can operate together without interference at the EMBRAER test facility in Gavião Peixoto, Brazil. It was important to test it and establish the frequency separation required to optimize the spectrum without causing interference between the two services. 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).

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 October 16, 2017 National Harbor, Maryland For more information, please visit: AeroMACS Presentation at ATCA</p>
	<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>STAR WEST A TECHWELL EVENT</p>	<p>October 1-6, 2017 Anaheim, California For more information, please visit: StarWest</p>
 <p>CLOUD EXPO ASIA SMART IOT SINGAPORE</p>	<p>October 11-12, 2017 Singapore For more information, please visit: Cloud Expo Asia</p>
 <p>STAR CANADA A TECHWELL EVENT</p>	<p>October 15-20, 2017 Toronto, Canada For more information, please visit: STARCANADA</p>
 <p>Enterprise IoT World</p>	<p>October 16-17, 2017 Chicago, Illinois For more information, please visit: Enterprise IoT World</p>
 <p>Smart Cities Summit</p>	<p>October 16-17, 2017 Chicago, Illinois For more information, please visit: Smart Cities Summit</p>
 <p>DSS ITSEC 2017 FOR ITSEC PROFESSIONALS</p>	<p>October 19, 2017 Latvia For more information, please visit: DSS ITSEC</p>
 <p>IoT Security Summit</p>	<p>October 23-24, 2017 New York, NY For more information, please visit: IoT Security Summit</p>
 <p>Blockchain 360</p>	<p>October 23-24, 2017 New York, NY For more information, please visit: Blockchain360</p>

	<p>October 25-26, 2017 CDMX, Mexico For more information, please visit: Mexican Telecom Forum</p>
	<p>October 26-27, 2017 San Diego, CA For more information, please visit: Delivery of Things World USA</p>
<p>Agile Dev Better Software DevOps EAST <small>A TECHWELL EVENT</small></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>

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**
- **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**.

The Aviation Working Group (AWG) drives technical activity in three areas: AeroMACS Public Key Infrastructure (PKI), Product Certification for AeroMACS, and the FCC Policy Petition. It is a crucial time and a great opportunity to influence and leverage these activities so if you are interested in participating in our **Working Groups**, please contact us at info@WiMAXForum.org.

The WiMAX Forum and International Civil Aviation Organization (ICAO) are finalizing an agreement to collaborate in the oversight of AeroMACS PKI for the ecosystem. The AeroMACS Certificate Policy (CP) is complete and will be published once the agreement is in place. The AWG is in the process of completing an AeroMACS PKI proof of concept trial to confirm the PKI Certificate Profiles and Policy as a last step to start commercializing AeroMACS PKI. The WiMAX Forum is partnered with Eonti to manage and implement **AeroMACS PKI**. This partnership gives the Forum the needed expertise as the Management Authority for AeroMACS PKI.

The AWG Certification Task Group is finalizing test specifications and procedures for Protocol Conformance Tests (PCT) and validating these procedures in the WiMAX Forum AeroMACS Designated Certification Laboratory. The development of Interoperability Tests (IOT) procedures to

support AeroMACS certification is ongoing as additional products go through Radio Conformance Testing (RCT).

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 September:

- [AeroMACS Featured at ATCA this October, Avionics for NextGen in November and ICAO in December](#)
- [FAA's NextGen Largely on Track, Says GAO; Privatization Stalls](#)
- [To Ensure That Aviation Safety Highlight the Truth Service](#)
- [FCC Urged to Reject 3.5 GHz Proposals](#)
- [Speeding Up the Industrial Deal Assembly Line](#)
- [Enterprise IoT World in Chicago](#)
- [ATCA Announces 2017 Award Recipients](#)
- [Symantec's Play for Splunk Ends After Review](#)
- [What Apple and Qualcomm are really fighting about](#)
- [Embraer Performs AeroMACS Tests with Siemens in Brazil](#)

- **GAO Says ATC Changes Could Affect NextGen Implementation**
- **Federated Wireless debuts CBRS Spectrum Controller, gets backing from Charter, American Tower, Arris**
- **Comodo and StackPath Join Forces to Secure the Future of the Web**
- **Middletown approves using federal funds for new airport plans**
- **StarWest in Anaheim California this October**
- **Eurocontrol Network Manager, 10 Airports to Implement SESAR Concepts**
- **FAA Bill Still Up in Air in House**
- **Learn about AeroMACS at ACI-NA Conference & Exhibition (Booth 346)**
- **Managing Network Security and QoS: PP848**
- **Public Policy Will Lay the Foundation for 5G and Beyond**
- **Federal Aviation Administration Authorization Set to Expire September 30**
- **Cyberattacks Raise Risk of Access to US Power System, Symantec Says**
- **StarCanada in Toronto on October 2017**
- **Improvements Cited in FAA NextGen Program**
- **Enterprises Adopting IoT, but Lack the Necessary Technical Skills**
- **House Plans Vote to Spin off 65 Percent of the FAA's Workforce**
- **NextGen Success Linked to FAA Pilot Data**
- **IoT market research: Which industries are leading the curve?**
- **UTC Moves Closer to Rockwell Collins Acquisition, Report Says**
- **Privatization Is Not the Answer for Our ATC System**
- **Cloud Expo Asia 2017**
- **Siemens and ISA Form Global Partnership to Foster Awareness of Industrial Cybersecurity**
- **Act Now to Prevent Privatization of the Air Traffic Control System**
- **Wireless Innovation Forum Announces Approval of DigiCert as First CBRS Root of Trust Certificate Authority**
- **FAA Aligns North Atlantic Nav Ops with ICAO Specs**
- **August 2017 WiMAX Forum Monthly Newsletter**



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