

The header features a dark blue background with a glowing green and blue globe. The globe is overlaid with a network of white and blue lines representing connections. The WiMAX Forum logo, consisting of two overlapping circles, is positioned to the left of the text.

# WiMAX FORUM<sup>®</sup> NEWSLETTER

DECEMBER 2018

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## INTRODUCTION

Dear Respected Colleagues,

As 2018 comes to a close, we want to take a moment to express our sincere gratitude for your unflagging support and enthusiasm. Your insights, wisdom and unceasing collaboration allowed us to produce important work to advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology. Thanks to the generosity, commitment and contributions of our **Board of Directors, Working Group Representatives, and Member Companies**, we have been able to continue the expansion of our services, achieving significant milestones together through collaboration and growing the market for WiMAX technology.

Throughout the year, the WiMAX Forum has participated in several industry events, meetings, and technical activities to widely advocate the capabilities of AeroMACS, WiGRID, and other industry applications based on the WiMAX Standard. We have seen important progress on our initiatives. AeroMACS in particular has gained momentum this year as a result of these efforts demonstrating the immense potential and benefits in using AeroMACS to a variety of audiences that include aircraft maintenance, airlines, airport, ATC/ATM, government representatives, and more. Collaboration among key players in aviation and industry representatives demonstrated support of AeroMACS as a vital industry standard selected to support the safety and regularity of flights.

As this coming year promises further momentum, we will continue to push forward hosting and participating in a number of industrial events to bring the highest value to the WiMAX community as the market share expands. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the industry. Through our events, speaking opportunities, and webinars, we are reaching out to diverse audiences in the WiMAX community in ways that will best serve all stakeholders. Here is the summary of an upcoming event that we are participating during the coming months:

- **On March 13, 2019 from 2:10pm to 4:10pm** local time, the WiMAX Forum will host **AeroMACS 2019 – Madrid**, a session with AeroMACS presentations at the World ATM Congress - Aireon Spotlight Stage - Feria de Madrid Convention Centre (IFEMA). The presentations will focus on supporting the global Aviation Community in managing profitable development and growth of AeroMACS networks.

- **On March 12-14** at the **World ATM Congress Conference & Exhibition**, the WiMAX Forum will exhibit AeroMACS at **Booth 117** in the **IFEMA Exhibition Hall**. Participating at the Exhibition are two of the AeroMACS industry leaders and WiMAX Forum Members **Leonardo Booth 890** and **Siemens Booth 119**.

Please note registration is required in order to attend the World ATM Congress and the AeroMACS 2019 - Madrid. For registration, please click the following link:  
<https://worldatm2019.complereg.com/index.aspx>

The WiMAX Forum will keep busy preparing for exciting meetings and events to raise awareness about the benefits of the WiMAX technology. We will continue attending, and participating at key industry events to bring the highest value to the WiMAX community as the market share expands.

Please stay tuned for the upcoming event and for more information, please visit: [WiMAX Forum Events](#)

We have been in touch with our members about our 2019 renewal cycle. As always, we stand ready to answer any questions that you may have. For more information regarding your membership status, please email [Membership@WiMAXForum.org](mailto:Membership@WiMAXForum.org), and we will respond as quickly as possible.

Please reach out to us if you have any questions or comments. We wish you a healthy and happy holiday season and we look forward to speaking with you soon in 2018.

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 most relevant activities and latest communications.

### • **Sectigo Wins IoT Security Solution Award**

Sectigo (formerly Comodo CA), the world's largest commercial Certificate Authority and a leader in web security solutions, today announced it has been recognized with a 2018 Security Excellence Award in the IoT Security Solution category. The company's IoT Manager, introduced in June, won the IoT Security Solution Award, chosen over submissions from fellow finalists British Telecom and SaltDNA. Sectigo IoT Manager provides purpose-built scalable issuance and management of strong digital identities for Internet of Things (IoT) devices and environments requiring private trust, delivering a trusted solution for IoT vendors that need to secure their connected products throughout their lifecycle.

**To read the complete press release, please click [here](#).**

### • **AeroMACS Capabilities Validated Through Worldwide Projects**

The WiMAX Forum®, the leading nonprofit organization that certifies and promotes the compatibility and interoperability of broadband wireless products based upon IEEE Standard 802.16, with the cooperation of its member companies, continues to advocate through a wide variety of worldwide activities about the capabilities and value of AeroMACS. AeroMACS projects will be highlighted at the ICAO Thirteenth Air Navigation Conference (ICAO ANC-13), taking place in Montreal, Canada on October 9-19, 2018. This meeting is key to the global aviation community. It provides a set of recommendations related to flight safety, air navigation capacity, efficiency and other performance areas of the air navigation system.

**To read the entire press release, 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>WiMAX FORUM® <b>AeroMACS</b> © WATMC   MADRID, SPAIN</p>	<p>AeroMACS 2019 - Madrid AeroMACS Exhibition <b>March 13, 2019</b> Madrid, Spain For more information visit: <b>AeroMACS at World ATM Congress</b></p>
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### Upcoming Events:

 <p>27<sup>th</sup> <b>Convergence India 2019</b> <i>Digital India - Connecting the Unconnected</i></p>	<p>January 29-31, 2019 New Delhi, India For more information visit: <b>Convergence India</b></p>
 <p>3<sup>rd</sup> <b>Internet of Things</b> India expo 2019 Converging • Connecting • Automation</p>	<p>January 29-31, 2019 New Delhi, India For more information visit: <b>3rd IoT India expo</b></p>
 <p><b>IT FORUM</b> powered by EFF</p>	<p>February 5, 2019 Istanbul, Turkey For more information visit: <b>IT Forum Turkey</b></p>
 <p><b>INDUSTRY OF THINGS WORLD USA</b></p>	<p>March 6-8, 2019 San Diego, California For more information visit: <b>Industry of Things World USA</b></p>
 <p><b>World ATM Congress 2019</b> Operated by CANSO in partnership with ATCA 12-14 March 2019 Madrid, Spain IFEMA, Feria de Madrid</p>	<p>March 12-14, 2019 Madrid, Spain For more information visit: <b>World ATM Congress</b></p>

 <p><b>GLOBAL ECONOMIC ZONES EXPO &amp; CONVENTION</b> <i>Unshackle Barriers in Global Business</i></p> <p><b>27-29 MARCH 2019</b> The Ashok, Chanakyapuri, New Delhi</p>	<p>March 27-29, 2019 Chanakyapuri, New Delhi For more information visit: <b>Global SEZ Expo &amp; Convention</b></p>
 <p><b>FIELD SERVICE</b></p>	<p>April 23-26, 2019 Palm Springs, California For more information visit: <b>Field Service</b></p>

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. 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 would like to extend a special welcome to the newest member from 2018 **CBI Industries, Inc.** 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](mailto: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. Working Groups are chartered by the WiMAX Forum to bring together content experts from member companies to collaborate and contribute to specification development, harmonize documents, and perform other tasks that the WiMAX Forum has determined to be necessary or useful.

The WiMAX Forum organizes its technical activities through a number of Working Groups that produce technical requirements, develop technical specifications, and advise the forum. Currently, the Working Groups are focused on **AeroMACS**, **Smart Energy**, and various spectrum access solutions.

We have a lot to get done in the new year and we need the help of your technical experts in these groups. If you are interested in participating in our **Working Groups**, please contact us at [info@WiMAXForum.org](mailto:info@WiMAXForum.org) and we will be glad to speak with you about this opportunity. It is a crucial time for your organization to influence and leverage the Working Groups activities and contribute to the development of the market.

The Aviation Working Group (AWG) has had a great year of progress and it is working on three main technical activities: AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), and the FCC AeroMACS Petition for Rulemaking. While additional products are in the AeroMACS Designated Certification Laboratory (ADCL) completing Protocol Conformance Testing (PCT), a third set of AeroMACS System products is completing Radio Conformance Testing (RCT).

The AWG Certification Task Group has completed and published the WiMAX Forum® AeroMACS Test Suite Structure and Test Purposes (TSS&TP) Specification to validate the test procedures for Protocol Conformance Tests (PCT). The Interoperability Tests (IOT) procedures to support AeroMACS based on current implementations is underway to support an overall WiMAX Forum certification compliance for AeroMACS.

The WiMAX Forum, **ICAO** and key industry stakeholders collaborate in the oversight of AeroMACS PKI for the ecosystem in the AeroMACS Advisory Council (AAC). The WiMAX Forum has partnered with **Eonti** to manage and implement **AeroMACS PKI** as the Management Authority (MA). The MA is in the process of onboarding Certificate Authorities (CAs), to make AeroMACS operational networks secure with the implementation of PKI, commercially available in 2018. The AeroMACS PKI Certificate Policy (CP) is complete and available to members.

The Smart Energy Working Group (SEWG) will host a conference call to members on Thursday, January 17, 2019. As details concerning this meeting are finalized, we will be certain 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](http://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 December:**

- **Building a Secure Future: IoT Security Faces Steep Challenges in 2019**
- **Analysis of AeroMACS Data Link for Unmanned Aircraft Vehicles**
- **AeroMACS Open Day: Eurocontrol Presentation - Why AeroMACS Is Important for Aviation**
- **What Will Airplane Data Comms Look Like in the Future?**
- **AeroMACS Development in China at ICAO Thirteenth Air Navigation Conference**
- **Researcher Successfully Hacked In-Flight Airplanes - From the Ground**
- **Capital Airport Aircraft Taxi Guide to Open a New Model**
- **Studies on the Extended Arrival Manager**
- **FCC Must Choose Between Many or Few with Spectrum Rule Change**
- **Pilot Work on Airport Scene Operation and Application Based on New Technology Has Achieved Initial Results**
- **AeroMACS for Air-To-Ground Communication and Connectivity to Swim at ICAO Thirteenth Air Navigation Conference**
- **Countries Converge to Plan "Tremendous Modernization" in Global Air Transport at 13th ICAO Air Navigation Conference**
- **Are You Ready for the IoT?**
- **The Civil Aviation Administration Issued the "Guide to the Application of Wireless Data Communication Technology for Civil Aviation Airport Scenes (Trial)"**
- **3.5 GHz CBRS Band Rules Effective January 7**
- **IATA Upbeat on Airlines' Profitability in 2019**
- **World ATM Congress Madrid Registration Is Open**
- **Smart City Muscat**
- **European Airlines Call for ATM Action**
- **FCC Believes Mobile Carriers May Have Lied About Coverage**
- **Creation of the Electronics Division, a strategic and growing business. New Managing Director of Cyber Security Division appointed**
- **RTCA & EUROCAE Hold Annual Coordination Summit**
- **60 Cybersecurity Predictions for 2019**
- **1/3 of China's Civil Aviation Aircraft Has Been Equipped with "Fog Artifact" Will Reach 50% in 2020**
- **Netcom City State Zunyi Airport: Using Big Data to Improve Operational Safety**
- **Get to the Top-Tier of IoT Security**
- **Brazilian Court Ruling Threatens Embraer-Boeing Deal**
- **Industry of Things World USA**
- **Bangladesh Tops 92 mln Internet Subscribers in October**
- **Airports Call for Swift Reform of ATC, Better Airspace and Ground Infrastructure Integration**
- **Celebrating ICAO Day: Safety and Security First**

- **New Communications Infrastructure Is Central to Achieving Trajectory Based Operations**
- **Sectigo Wins IoT Security Solution Award**
- **300 Million Euros Financing from the European Investment Bank in Order to Fund Investments in Technological Development**
- **From Siting to Spectrum, CTIA Revels in Banner Year**
- **DevOps Chat: IoT Security with DigiCert's Mike Nelson**
- **3rd Internet of Things India Expo**
- **UTC Completes Acquisition of Rockwell Collins**
- **FAA Announces Key Appointments for Executive Directors of Aircraft Certification and UAS Integration**
- **November 2018 WiMAX Forum Monthly Newsletter**



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