

The header features a dark blue background with a glowing globe and network lines. The WiMAX Forum logo is on the left, and the text 'wiMAX FORUM® NEWSLETTER' is on the right.

# wiMAX FORUM® NEWSLETTER

DECEMBER 2017

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## INTRODUCTION

Dear Respected Colleague,

As 2017 comes to a close, we want to take a moment to express our sincere gratitude for your unflinching 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.

This month, the **WiMAX Forum** and the International Civil Aviation Organization (**ICAO**) signed an agreement to collaborate in the oversight of AeroMACS PKI globally to deliver secure networks at the ICAO Headquarter in Montreal, Canada. The WiMAX Forum and the ICAO will promote effective public-private dialogue consistent with the ICAO Policies and guidelines along with the principles of the UN Global Compact to provide strategic guidance and a thoughtful sounding board for AeroMACS PKI program activities. This development is an essential component in offering AeroMACS PKI to the ecosystem so that airport surface data communications are secure and promote the overall safety and regularity of flight. To read the complete press release, please click [here](#).



On December 12-13, at the 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** presented how to face cyber threats - the strategy for cyber safety and hosted the Cyber Threats Stream.

Throughout the year, the WiMAX Forum has participated in several industry events, meetings, and technical activities to widely advocate the capabilities of AeroMACS. The results of these efforts demonstrate 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. AeroMACS achieved significant milestones with the collaboration of key players in the aviation industry. For more details about the 2017 AeroMACS activities, please click [here](#)

The WiMAX Forum would like to extend a special welcome to its new Board of Director, Zhu Yanbo at Aviation Data Communication Corporation (**ADCC**). ADCC, a joint venture co-founded by Air Traffic Management Bureau (ATMB) and some of the major domestic airlines, has been committed to data

communication network under the direction of CAAC. Facing the increasing demand for data link services while modernizing operations, ADCC has intensified its efforts on research and development of civil aviation solutions and is fully capable to offer comprehensive services to both aviation authorities and airlines.

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. Here is the summary of an upcoming event that we are participating during the coming months:

- On **February 21 at 10:00am US PST**, the WiMAX Forum and the Smart Energy Working Group (**SEWG**) Leadership will host a free live **Webinar: Promoting the Use of 3.65 GHz Spectrum Under the CBRS Rules**. The webinar is open to all WiMAX Forum member companies and approved participants seeking more details. The speakers will address key questions about the spectrum, technology, CBRS changes and how to leverage the use of 3.65 GHz spectrum under the CBRS constraints.
- On **March 7 at 4:00pm local time**, the WiMAX Forum will host the third annual **AeroMACS 2018 – Madrid**. The AeroMACS sessions will take place at the **World ATM Congress** Aireon Spotlight Stage at Feria de Madrid Convention Centre (IFEMA). This year's presentation will evolve towards the latest milestones, security announcements, new standards development, worldwide tests and other successful implementations. At the event, you can also visit the AeroMACS booth at the exhibition floor located at **Hall 9 - Stand 143**.

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**.

We have been in touch with our members about our 2018 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 latest communications and most relevant activities.

- **The WiMAX Forum Forms Alliance with ICAO to Deliver Secure Networks**

This Alliance Promotes the Alignment with Industry Standards

The WiMAX Forum is forming the AeroMACS Advisory Council (AAC) to provide oversight to the AeroMACS Public Key Infrastructure (PKI) program developed in accordance with industry standards. The WiMAX Forum and the International Civil Aviation Organization (ICAO) will promote effective public-private dialogue consistent with the ICAO Policies and guidelines along with the principles of the UN Global Compact to provide strategic guidance and a thoughtful sounding board for Aeronautical Mobile Airport Communication System (AeroMACS) PKI program activities. This development is an essential component in offering AeroMACS PKI to the ecosystem so that airport surface data communications are secure and promote the overall safety and regularity of flight.

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

- **AeroMACS Advances Worldwide as the Standardized Solution for the Airport Surface**

Ground Communication Improvements Enabled by Secure Wireless Broadband Technology to Support the Safety and Regularity of Flights

The WiMAX Forum continues its efforts to advance the Aeronautical Mobile Airport Communication System (AeroMACS) globally. The WiMAX Forum and its member companies, through a wide variety of worldwide activities, are raising awareness about the value of this secure wireless broadband technology for the airport surface to further advance AeroMACS deployments and improve ground communication. In 2017, the WiMAX Forum has participated in several industry events, meetings, and technical activities to demonstrate AeroMACS as a vital industry standard selected to support the safety and regularity of flights. AeroMACS is key to improving Air Traffic Management (ATM), it brings multiple advantages to the aviation industry in terms of connectivity, cost-effectiveness, security and efficiency.

**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>WEBINAR <b>WiMAX FORUM®</b></p>	<p>Webinar: Promoting the Use of 3.65 GHz Under CBRS Rules <b>February 21, 2018</b> 10:00am US PST For more information visit: <b>2018 Webinar: 3.65 GHz Spectrum</b></p>
 <p>WiMAX FORUM® <b>AeroMACS 2018</b> @WATMC   MADRID, SPAIN   MARCH 7</p>	<p>AeroMACS 2018 - Madrid AeroMACS Exhibition - Stand 143 <b>March 7, 2018</b> Madrid, Spain For more information visit: <b>AeroMACS at World ATM Congress</b></p>

## Upcoming Events:

 <p>2nd Annual <b>Smart Cities International Symposium &amp; Exhibition</b> January 17-18, 2018 CHICAGO</p>	<p>January 17-18 2018 Chicago, Illinois For more information, please visit: <b>Smart Cities Symposium</b></p>
 <p><b>Smart Manufacturing Leaders Summit</b></p>	<p>February 27-28 2018 Munich, Germany For more information visit: <b>Smart Manufacturing Leaders Summit</b></p>
 <p><b>World ATM Congress 2018</b> 6-8 March 2018</p>	<p>March 6-8, 2018 Madrid, Spain For more information, please visit: <b>World ATM Congress</b></p>
 <p><b>26th Convergence India 2018</b> Digital Convergence India</p>	<p>March 7-9, 2018 New Delhi, India For more information visit: <b>Convergence India</b></p>
 <p><b>2nd Internet of Things</b> India expo 2018 Pragati Maidan New Delhi, India <b>07 - 09 MARCH 2018</b> Converging • Connecting • Communicating</p>	<p>March 7-9, 2018 New Delhi, India For more information visit: <b>2nd edition IoT India expo</b></p>

 <p><b>INDUSTRY OF THINGS WORLD USA</b></p>	<p>March 8-9, 2018 San Diego, California For more information visit: <b>Industry of Things World USA</b></p>
 <p><b>INTERNET OF THINGS NORTH AMERICA</b></p> <p>March 28-29, 2018 • Chicago, Ill. www.ioTNA.com</p>	<p>March 28-29, 2018 Chicago, Illinois For more information visit: <b>Internet of Things North America</b></p>
 <p><b>Industrial Internet of Things USA</b></p>	<p>April 18-19, 2018 Chicago, Illinois For more information visit: <b>Industrial IoT USA</b></p>
 <p><b>One Mega Event</b> Smarter Solutions for a Better Tomorrow</p> <p>2nd TELECOM India 2018 Expo   3rd SOLAR India 2018 Expo   3rd TRANSPORT India 2018 Expo   4th Smart Cities India 2018 Expo   5th WATER India 2018 Expo</p> <p>Pragati Maidan, New Delhi   23-25 May 2018</p>	<p>May 23-25, 2018 New Delhi, India For more information visit: <b>One Mega Event India</b></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](mailto: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](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. 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](mailto: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. This month, the WiMAX Forum and **ICAO** finalized 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 in early 2018. 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 February 21, 2018 at 10:00am PST the WiMAX Forum and the SEWG will host a live Webinar: Promoting the Use of 3.65 GHz Spectrum Under the CBRS Rules. The speakers will address key questions about the spectrum, technology, CBRS changes and how to leverage the use of 3.65 GHz spectrum under the CBRS constraints. For more information and registration, please click [here](#).

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:**

- [AeroMACS Advances Worldwide as the Standardized Solution for the Airport Surface](#)
- [FAA Technical Standard Order AeroMACS Airborne Mobile Station \(AMS\) Equipment](#)
- [FCC WRC-12 AeroMACS Implementation Report and Order](#)
- [The WiMAX Forum Forms Alliance with ICAO to Deliver Secure Networks](#)
- [Last of Citizens Broadband Radio Service Rules Become Final](#)
- [FCC Should Maintain Consistent Spectrum Rules](#)
- [Privatizing Air Traffic Control](#)
- [The Need for AeroMACS Is Confirmed](#)
- [World ATM Now Publication](#)
- [FCC Online Table of Frequency Allocations](#)
- [Optimize the Capacity of WiMAX Networks with Bandwidth Recycling](#)
- [The WiMAX Forum Forms Alliance with ICAO to Deliver Secure Networks](#)
- [Transportation Is in the Midst of a Major Transformation](#)
- [WISPA Keeps Argument Alive for Not Changing CBRS Rules](#)
- [ICAO Brings Together Global Experts to Address How Future Air Navigation Will Manage Forecast Aviation Growth and Innovations](#)
- [Webinar: Promoting the Use of 3.65 GHz Spectrum Under the CBRS Rules](#)



- **FAA and EU to Amend Aviation Safety Agreements**
- **ICAO Signs New Agreements with RTCA, EUROCAE, SAE and ARINC to Better Align International Aviation Standardization**
- **Comodo, Firm in Cybersecurity Partnership**
- **Smart Cities Symposium in Chicago**
- **Fed Wireless CEO: Rule Changes Won't Impact CBRS Work**
- **AeroMACS 2018 - Madrid**
- **Building Back Better Through Spectrum Allocation**
- **NextGen in the NEC to Have Positive Ripple Effect**
- **Telecom Alert - 3.65 GHz Band Comment Deadlines**
- **Beeline Kazakhstan Assimilates Broadband Unit 2DAY**
- **Building Resilience to Escalating Cyberthreats**
- **Xcel Energy to Increase Reliability in Fargo**
- **ICAO and Partnering Air Transport Agencies Set out New Global Runway Safety Action Plan**
- **CBRS Notice of Proposed Rulemaking Comments Due December 28, 2017**
- **SESAR Innovation Days 2017: Accelerating the Pace of Change in ATM**
- **Broadband Subscribers Including 3G, 4G Cross 49mn**
- **Smart Manufacturing Leaders Summit in Munich on February 2018**
- **Forums Provide Input on Efforts to Modernize Air Space**
- **ABI Sees Momentum for Global 5G Spectrum at 3.5 GHz**
- **4cr Internet Users in Bangladesh: Google**
- **Tern Plc : Statement re Portfolio Update**
- **Apax-Backed Marlink and Omniaccess Join Forces**
- **Why Symantec's Consumer Security Business Is More Valuable Than Its Enterprise Business**
- **November 2017 WiMAX Forum Monthly Newsletter**



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