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INTRODUCTION

Dear Respected Colleague,

Happy New Year! We at the **WiMAX Forum** hope that you all had a wonderful holiday season! We believe 2018 will be a great year for the WiMAX ecosystem and our membership. We as an industry body, with the help of our participating **Member Companies, Working Group Representatives** and **Board of Directors**, are busy doing important work to advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

As this coming year promises further momentum, we will continue to host and participate in several industrial events, meetings, and technical activities with the expectation that these markets will continue to increase in value as WiMAX's market share continues to expand. Our involvement in these events has proven to be the right strategy, fostering a prosperous environment and future for the WiMAX ecosystem. We are seeing concrete results from our activities in the industrial markets particularly through AeroMACS and Smart Energy events, which have provided excellent exposure, reception, and engagement. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the WiMAX industry.

Last 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](#). AeroMACS has achieved significant milestones with the collaboration of key players in the aviation industry. For more details about the 2017 AeroMACS activities, please click [here](#)

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. 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**.

- On **April 10-12**, the WiMAX Forum and industry experts from **Comodo CA, Digicert-Symantec**, and **Eonti** will present "AeroMACS Delivering Secure Networks Through PKI Policy and Certificate" at the **ICNS Conference**. As details concerning this event are finalized, we will be certain to keep you informed.

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**.

As a friendly reminder, the WiMAX Forum is currently winding down the bulk of its renewal season. Many of your organizations have been contacted by our membership and finance teams by now. 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**, 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 new year and we look forward to continuing to work with you 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 to Host a Free Live Webinar on the Use of 3.65 GHz Spectrum**
On February 21 at 10AM PDT Learn How to Leverage the Spectrum Use Under the CBRS Rules

The WiMAX Forum is pleased to announce a free live webinar on Wednesday, February 21, 2018 at 10AM PDT called "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. A

trend has emerged for the 3.65 GHz band due to the U.S. Federal Communications Commission (FCC) Citizens Broadband Radio Service (CBRS) Report and Order that permits the commercial use of 150 MHz of spectrum in the 3550-3700 MHz band to wireless broadband service providers, industrial users, and other federal/non-federal users. This significant operational change for the 3.65 GHz wireless broadband community demands solid guidelines, policies, and industry support to have adequate protection.

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

• Third Annual AeroMACS 2018 – Madrid at the World ATM Congress on March 7
WiMAX Forum to Host AeroMACS Presentations and Exhibition


The WiMAX Forum announces the third annual AeroMACS 2018 - Madrid collocated with World ATM Congress on Wednesday, March 7 at 16:00-18:00 at the Aireon Spotlight Stage on the exhibition floor located at IFEMA – Feria de Madrid Convention Centre. The event will support the global Aviation community in deploying profitable and effective Aeronautical Mobile Airport Communication System (AeroMACS) networks. AeroMACS 2018 - Madrid will highlight the latest AeroMACS developments and its positive impact on the Aviation industry. This year's presentation will evolve towards the latest milestones, Public Key Infrastructure (PKI) Policy and cyber threats, security announcements, new standards development, worldwide tests and other successful implementations.

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: Promoting the Use of 3.65 GHz Under CBRS Rules February 21, 2018 10:00am US PST For more information visit: 2018 Webinar: 3.65 GHz Spectrum</p>
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 <p>WiMAX FORUM* AeroMACS 2018 @WATMC MADRID, SPAIN MARCH 7</p>	<p>AeroMACS 2018 - Madrid AeroMACS Exhibition - Stand 143 March 7, 2018 Madrid, Spain For more information visit: AeroMACS at World ATM Congress</p>
 <p>ICNS CONFERENCE</p>	<p>AeroMACS Presentation at ICNS AeroMACS Exhibition - Stand 143 April 10-12, 2018 Herndon, Virginia For more information visit: AeroMACS Presentation at ICNS</p>

Upcoming Events:

 <p>Smart Manufacturing Leaders Summit</p>	<p>February 27-28 2018 Munich, Germany For more information visit: Smart Manufacturing Leaders Summit</p>
 <p>World ATM Congress 2018 6-8 March 2018</p>	<p>March 6-8, 2018 Madrid, Spain For more information, please visit: World ATM Congress</p>
 <p>26th Convergence India 2018 Digital Convergence India</p>	<p>March 7-9, 2018 New Delhi, India For more information visit: Convergence India</p>
 <p>2nd Internet of Things India expo 2018 Pragati Maidan New Delhi, India 07 - 09 MARCH 2018 Converging • Connecting • Communicating</p>	<p>March 7-9, 2018 New Delhi, India For more information visit: 2nd edition IoT India expo</p>
 <p>INDUSTRY OF THINGS WORLD USA</p>	<p>March 7-9, 2018 San Diego, California For more information visit: Industry of Things World USA</p>

 <p>Saudi Future Airports Summit 14 & 15 March 2018, Riyadh, Kingdom of Saudi Arabia</p>	<p>March 14-15, 2018 Riyadh, Kingdom of Saudi Arabia For more information visit: Saudi Future Airports Summit</p>
 <p>INTERNET OF THINGS NORTH AMERICA March 28-29, 2018 • Chicago, Ill. www.loTNA.com</p>	<p>March 28-29, 2018 Chicago, Illinois For more information visit: Internet of Things North America</p>
 <p>Industrial Internet of Things USA</p>	<p>April 18-19, 2018 Chicago, Illinois For more information visit: Industrial IoT USA</p>
 <p>Mobile Network Expo <small>NEW</small> <i>Various Technologies for 5G/IoT!</i> Dates: April 4-6, 2018 Venue: Tokyo Big Sight, Japan Organised by: Reed Exhibitions Japan Ltd.</p>	<p>April 4-6 Tokyo Big Sight, Japan For more information visit: Mobile Network Expo</p>
 <p>One Mega Event <i>Smarter Solutions for a Better Tomorrow</i> Organiser: Exhibitions India Group Co-Organiser: India Trade Promotion Organisation India 2018 Expo SOLAR India 2018 Expo TRANSPORT India 2018 Expo Smart Cities India 2018 Expo WATER India 2018 Expo Pragati Maidan, New Delhi 23-25 May 2018</p>	<p>May 23-25, 2018 New Delhi, India For more information visit: One Mega Event India</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 since 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** collaborate in the oversight of AeroMACS PKI for the ecosystem in an AeroMACS Advisory Council (AAC) and have partnered with Eonti to manage and implement **AeroMACS PKI** as the Management Authority (MA) for AeroMACS PKI. The Management Authority is currently finalizing the process for commercializing PKI and will begin to bring CAs onboard in the first half of 2018. The AeroMACS Certificate Policy (CP) is complete and will be published in Q1.

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.

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 January:

- [Third Annual AeroMACS 2018 – Madrid at the World ATM Congress on March 7](#)
- [ARINC and ICAO Agree to Share Information](#)
- [Bangladesh ends 2017 with over 80 mln internet subscribers](#)

- **How AI Is Redefining Cybersecurity**
- **CBRS: We Need Every WISP to Join in Making Our United Voice Heard!**
- **Saudi Future Airports Summit**
- **Siemens Looks to Invest in Rwanda**
- **Energy Registry Aims to Standardize Utility Data for Cities, Counties**
- **Carr Calls Rule Burdens on Small ISPs Staggering**
- **Industry Groups Tell FCC to Leave CBRS Rules Unchanged**
- **Twenty Sixth RTCA SC-223 IPS and AeroMACS Plenary**
- **Pakistan sheds more than 4 mln 3G/4G subscribers in November 2017**
- **ICAO Posts New Global Air Traffic Record**
- **Smart Manufacturing Leaders Summit**
- **How Secure Are In-Flight Connectivity Systems?**
- **Comodo CA Announces Strategic Partnership with Adweb Technologies**
- **Air Traffic Control Enters the 21st Century**
- **UK University to Become 'Living Lab' for Siemens Smart Energy Network**
- **The WiMAX Forum to Host a Free Live Webinar on the Use of 3.65 GHz Spectrum**
- **FCC Rule Change Would Harm Rural Broadband Expansion**
- **RTCA Digest**
- **4 Threats to Aviation Security - IATA**
- **This Week Smart Cities Symposium in Chicago**
- **Huerta Ends Term Heading FAA; Dan Elwell Named Acting Administrator**
- **Endgame to Provide US Navy with Mitre-Validated Cybersecurity**
- **Airbus and Chinese Partners to Ramp up A320 Production Rate in Tianjin**
- **Boeing's Bid to Buy Embraer Could See Brazilian Engineers Work on the 797**
- **One Surprising Statistic Explains Why Phishing Will Remain the Most Common Cyberattack for the Next Few Years**
- **Federated Wireless Wants FCC to Aim for Final SAS, ESC Certifications No Later Than June 30**
- **Scared of Revenues Being Trapped Abroad? Experts Can Help!**
- **BT and Symantec Partner to Provide Best-In-Class Endpoint Security Protection**
- **Siemens CTO Predicts World Wide Energy Grid**
- **Convergence India & IoT India Expo**
- **Autonomy Warfare**
- **Cyber, Cloud Top Airline IT Spending Priorities**
- **2018 Preview: CBRS Battle Will Continue to Ensnare CTIA, T-Mobile and Others**
- **Free Live Webinar: Promoting the Use of 3.65 GHz Spectrum Under the CBRS Rules**
- **White Paper: Building a Wireless Network on WiMAX**

- **Spectrum as a Shared Resource. Light-Licensing Models for 3.5 GHz Band Open New Ways to Deploy and Operate Networks**
- **What to Expect at the 2017 AEEC/AMC Conference**
- **Southwest Air Traffic Control Network Company and Civil Aviation Data Company to Discuss AeroMACS Cooperation Matters**
- **AeroMACS Advances Worldwide as the Standardized Solution for the Airport Surface**
- **End-to-End Cybersecurity in Aerospace: Are We There Yet?**
- **ARINC 766 Defines Aircraft Installation Standards for AeroMACS Implementation**
- **US Businesses Show Support for 5G as FCC Causes Uproar over 3.5GHz Licensing**
- **The WiMAX Forum Files FCC Petition for AeroMACS Service Rules Adoption**
- **A Rugged Solution for Wastewater**
- **3.65 GHz Licensees - Define Protection Zones!**
- **December 2017 WiMAX Forum Monthly Newsletter**



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