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IN THIS ISSUE

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

INTRODUCTION

Dear Respected Colleagues,

Happy New Year! We at the **WiMAX Forum** hope that you all had a wonderful holiday season! We believe 2019 will be a great year for the WiMAX ecosystem and our membership. We as an industry body, with the collaboration and support of our **Board of Directors, Working Group Representatives, and Member Companies**, are busy doing important work to advance the 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 industry 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 have seen important progress and concrete results from our activities in the industrial markets, which have provided excellent exposure, reception, and engagement. We have been able to continue the expansion of our services, achieving significant milestones together through collaboration and growing the market for WiMAX technology. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the WiMAX industry.

The WiMAX Forum is excited about another great event season. 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 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>

- **On April 9-11** at the **ICNS Conference**, the WiMAX Forum will present "AeroMACS: Standardized Solution Enabling Secure Connectivity Worldwide at the Airport Surface." As details concerning this event are finalized, we will be certain to keep you informed. To view the list of accepted papers for ICNS 2019 and preview the topics to be covered at this year's conference, please click [here](#).

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, 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 2019!

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.

• **Fourth Annual AeroMACS 2019 – Madrid at the World ATM Congress on March 13**

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, is pleased to announce the fourth annual AeroMACS 2019 - Madrid collocated with World ATM Congress on Wednesday, 13 March from 14:10 to 16:10 at the Aireon Spotlight Stage on the exhibition floor located at IFEMA – Feria de Madrid Convention Centre.

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.

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® AeroMACS @WATMC MADRID, SPAIN</p>	<p>AeroMACS 2019 - Madrid AeroMACS Exhibition March 13, 2019 Madrid, Spain For more information visit: AeroMACS at World ATM Congress</p>
 <p>ICNS CONFERENCE</p>	<p>ICNS AeroMACS Presentation April 9-11, 2019 Herndon, Virginia For more information visit: AeroMACS Presentation at ICNS</p>

Upcoming Events:

 <p>27th Convergence India 2019 <i>Digital India - Connecting the Unconnected</i></p>	<p>January 29-31, 2019 New Delhi, India For more information visit: Convergence India</p>
 <p>3rd Internet of Things India expo 2019 Converging • Connecting • Automation</p>	<p>January 29-31, 2019 New Delhi, India For more information visit: 3rd IoT India expo</p>
 <p>powered by EFF IT FORUM</p>	<p>February 5, 2019 Istanbul, Turkey For more information visit: IT Forum Turkey</p>

 <p>INDUSTRY OF THINGS WORLD USA</p>	<p>March 6-8, 2019 San Diego, California For more information visit: Industry of Things World USA</p>
 <p>World ATM Congress 2019 <small>Operated by CANSO in partnership with ATCA</small> 12-14 March 2019 Madrid, Spain IFEMA, Feria de Madrid</p>	<p>March 12-14, 2019 Madrid, Spain For more information visit: World ATM Congress</p>
 <p>GLOBAL ECONOMIC ZONES EXPO & CONVENTION <i>Unshackle Barriers in Global Business</i></p> <p>27-29 MARCH 2019 The Ashok, Chanakyapuri, New Delhi</p>	<p>March 27-29, 2019 Chanakyapuri, New Delhi For more information visit: Global SEZ Expo & Convention</p>
 <p>FIELD SERVICE</p>	<p>April 23-26, 2019 Palm Springs, California For more information visit: Field Service</p>
 <p>5th Smart Cities India 2019 Expo</p> <p>22-24 MAY 2019 Pragati Maidan, New Delhi, India</p>	<p>May 22-24, 2019 Pragati Maidan, New Delhi For more information visit: 5th Smart Cities India</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 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, and advise the forum.

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. Currently, the Working Groups are focused on **AeroMACS**, **Smart Energy**, and various spectrum access solutions.

Many activities are being scheduled to take place throughout this 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 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 made significant progress last year and at the moment is working on several technical activities including: AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), FCC AeroMACS Petition for Rulemaking, and other initiatives to support AeroMACS as the standard selected to improve the safety and regularity of flights.

In 2018 The AWG Certification Task Group 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.

Members will be participating in an AeroMACS IOT PlugFest in late February at the AeroMACS Designated Certification Laboratory (ADCL), to validate a subset of AeroMACS Interoperability Tests. Products are in the AeroMACS Designated Certification Laboratory (ADCL) completing Protocol Conformance Testing (PCT), while a third set of AeroMACS System products is completing Radio Conformance Testing (RCT).

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 AeroMACS PKI.

The Smart Energy Working Group (SEWG) will host a conference call to members on the first quarter of 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.

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:

- [DigiCert Completes Purchase of QuoVadis, Expands European Presence and TLS, PKI Offerings](#)
- [WiMAX Forum Participation at ICNS 2019](#)
- [Europe's EASA Publishes Five-Year Aviation Safety Plan; ATM Focus on Conforming to ICAO SARPS](#)
- [Sectigo Unveils Revamped Channel Partner Program, Setting Stage for Another Record Year of Channel Growth](#)
- [GACA Provides Support to Aviation Security & Safety Regionally and Globally](#)
- [ACI World Lauds New Wave of Private Investment in Indian Airport Development](#)
- [What Technology Trends Should Airports Look out for in 2019?](#)
- [FAA Announces Draft Proposals for the UAS \(Drone\) Industry](#)
- [SESAR Joint Undertaking Single Programming Document 2019-2021](#)
- [Application of New Wireless Communication Technology AeroMACS at Domestic and Foreign Airports](#)
- [AI-Assisted Imposters, IoT and Crypto-Jacking: Cyber Security in 2019](#)
- [North China Air Traffic Control Bureau Held 2019 Working Meeting](#)
- [ANA \(Vinci Airports\) Signs an Agreement with the Portuguese Government to Finance the Expansion of Lisbon's Airport Capacity](#)
- [Drones. AI. Bodycams. Is Technology Making Us Safer?](#)
- [ICAO Predicts 100 Percent Increase in Global Air Travel by Year 2030](#)
- [U.S. Aviation Sector Will Stay Busy in 2019 Thanks to New FAA Regs](#)
- [2018's Air Traffic in a Nutshell](#)
- [Brazil Approves Boeing-Embraer Tie-Up with New Commitment to Keep Local Jobs](#)

- **IoT Industry Predictions for 2019**
- **Solid Passenger Traffic Growth and Moderate Air Cargo Demand in 2018**
- **Data and Visualization Innovations to Drive FAA NextGen Success**
- **Second Global Summit of ICAO Next Generation of Aviation Professionals Held in Shenzhen**
- **USB-IF Launches USB Type-C Authentication Program**
- **Field Service Palm Springs**
- **RTCA Digest**
- **Cybersecurity Trends 2019**
- **India to Construct 100 Airports for \$60 Billion -Civil Aviation Minister**
- **Aviation Community Worries About Possible Effects of 5G in C-Band**
- **How ACARS Will Evolve, Not Disappear, With Transition to IPS**
- **AeroMACS Capabilities Validated Through Worldwide Projects**
- **Open Day on AeroMACS Agenda and Presentations**
- **Industry Optimistic About New 800 MHz, UHF, 3.65 GHz Opportunities**
- **North China Air Traffic Control Bureau Prepares for the Flight Test of the Capital Airport HUD RVR 90m**
- **Technical Committee on Space, Aeronautical and Navigational Electronics (SANE)**
- **A Comprehensive Approach to Cybersecurity Preparedness**
- **WiMAX Technology Brings Mobile Coverage and Internet to Las Parras De Martin**
- **Special Committee (SC) 223 Internet Protocol Suite (IPS) and Aeronautical Mobile Airport Communication System (AeroMACS)**
- **Twenty Second Meeting of the Communications/Navigation and Surveillance Sub-group of APANPIRG - Airport Surface Operation Based on AeroMACS and BDS**
- **Gansu Air Traffic Control Branch Signed a Strategic Cooperation Agreement with Air Traffic Control**
- **December 2018 WiMAX Forum Monthly Newsletter**



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