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INTRODUCTION

Dear Respected Colleagues,

We at the **WiMAX Forum** hope that your 2019 is off to a great start! With the collaboration and participation of the WiMAX Forum **Board of Directors, Member Companies, Working Group Representatives**, and industry leaders, we continue to produce important work to increase awareness, support and advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

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 expand our services, achieve 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. 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.

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. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the industry. 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**, AeroMACS will be highlighted at the Technical Sessions. The WiMAX Forum will present "AeroMACS: Standardized Solution Enabling Secure Connectivity Worldwide at the Airport Surface." And Leonardo S.p.A. will present "AeroMACS and UAV – Two Sides of the Same World for Single Goal." 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](#)

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 look forward to continuing to work with you through 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](#).

• **Enhancing Aerodrome Surface Operation by AeroMACS and BDS - CAAC Presentation at ICAO 55th Conference of Directors General of Civil Aviation, Asia and Pacific Regions**

Aeronautical Mobile Airport Communications System (AeroMACS) is being developed to provide a new broadband wireless communications capability for safety critical communications in the

airport surface domain, providing connectivity to aircraft and other ground vehicles as well as connections between other critical airport fixed assets. This paper presents the development of applications based on AeroMACS in 13 airports in China since 2014, and the trial using AeroMACS and BDS which further enhance the aerodrome surface operation, the AeroMACS development in China has progressed from basic system performance testing, D-TAXI assistance application for aircraft and ground vehicles development.

To review the presentation, 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>INDUSTRY OF THINGS WORLD USA</p>	<p>March 6-8, 2019 San Diego, California For more information visit: Industry of Things World USA</p>
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 <p>World ATM Congress 2019 <small>Operated by CANSO in partnership with ATCA</small> 12-14 March 2019 Madrid, Spain <small>IFEMA, Feria de Madrid</small></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>
 <p>Connected Manufacturing Forum</p>	<p>June 3-4, 2019 St. Louis, Missouri For more information visit: Connected Manufacturing</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.

A number of activities are 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 WiMAX 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.

The Aviation Working Group (AWG) has made significant progress and achieved important milestones. 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). Radio Conformance Tests (RCT) procedures are published and validated. The Interoperability Tests (IOT) procedures to support AeroMACS based on current implementations is now underway to support an overall WiMAX Forum certification compliance for AeroMACS.

This year, the AWG 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 April, WiMAX Forum Members AeroMACS manufacturers will be participating in an AeroMACS IOT PlugFest at the AeroMACS Designated Certification Laboratory (ADCL), to validate a set 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 February:

- **IoT Security Issues Seen from Certificate Business**
- **China Combines AeroMACS and BeiDou for Better Surface Safety**
- **Cybersecurity Communities: Defending IT Collaboratively**
- **Connecting System Wide Information Management (SWIM) to the Cloud**
- **The IoT Solutions World Congress Will Bring Together the Leaders of the Digital Transformation of Industries in October**
- **Leonardo Aerotech Campus Established to Boost Aeronautical Development in Southern Italy: A New Hub for Technological Innovation**
- **Strong Security Can Unleash the Promise of the Industrial Internet of Things**
- **Siemens Introduces Cybersecurity Rules for Suppliers**
- **Han Zheng: Set a New Model for Projects that Serve National Strategies and Build a New National Gateway that Showcases the Country's Image**
- **Time for Action: Building a Consensus for Cybersecurity**
- **The Benefits of Correctly Deploying a PKI Solution**
- **IATA Calls on US Government, Industry, to Work Together to Grow Aviation's Benefits**
- **The Rush Is on to Strike CBRS Gold**
- **RTCA Digest**

- **Smart Cities India**
- **Leonardo Receives Top Corporate Governance Award from 'Ethical Boardroom' Magazine**
- **Israeli Airports Fend off 3 Million Attempted Attacks a Day, Cyber Head Says**
- **CAAC Issued "Guidance on UAV Airworthiness Certification"**
- **Enhancing Aerodrome Surface Operation by AeroMACS and BDS - CAAC Presentation at ICAO 55th Conference of Directors General of Civil Aviation, Asia and Pacific Regions**
- **The Public vs. Private Network Battle: Creating Connectivity for the MC-IoT Boom**
- **Japan Ends 2018 with Nearly 173 mln Mobile Subscribers**
- **Aerospace and 5G: Realizing the Future**
- **Global SEZ Expo & Convention**
- **ICAO Secretary General Makes Key Contributions at WEF2019**
- **Sectigo Recognized in Info Security PG's 2019 Global Excellence Awards®**
- **Telrad Networks Appoints Eran Shalev as Chief Technology Officer**
- **Air Traffic: 2018 - Air Passenger Traffic up 6.1%, but Slide in Freight Raises Worries**
- **China's First AeroMACS and Beidou-Based Airport Scene Operation Application Pilot Work Has Made New Progress**
- **Technical Standard of Aviation Profiles for ATN-IPS**
- **Sectigo Announces 2018 Achievements Highlighted by More Than 20Percent YoY Growth, Enterprise and Channel Sales, Web Security Innovations, and Executive Additions**
- **Powerful Forces | Kathy Nelson – Ondas Networks**
- **DigiCert Unveils Certificate Management Platform, Research Initiative**
- **ICAO Council President: Aviation Investments Needed in Strategic Infrastructure**
- **Purchase of 100% of Vitrociset Completed**
- **Airbus Detects Cyber Attack, Unauthorized Data Access**
- **January 2019 WiMAX Forum Monthly Newsletter**



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