WiMAX FORUM® NEWSLETTER

MARCH 2020

IN THIS ISSUE

- ## Introduction

- ## Industry Spotlight

- ## Events

- ## Membership Services

- ## Working Groups

- ## WiMAX Forum News

INTRODUCTION

Dear Respected Colleagues,

We at the **WiMAX Forum** with the collaboration, support and participation of our **Board of Directors**, **Member Companies** and **Working Group Representatives**, continue producing important work to advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology. While we have fruitful conversations, raise awareness about our initiatives, achieve milestones through collaboration, we see concrete results from our activities with the increase of WiMAX's technology market share.

Last month, on February 27 the WiMAX Forum, member companies and **Lisbon Airport** are participating at the **Digitally Connected Airports Conference** to showcase successful AeroMACS projects around the world. Hosted at **EUROCONTROL** Headquarters in Brussels in collaboration with **ACI EUROPE** the must-attend airport event brings together regulatory, technology and operational aspects to drive the evolution of airport policy.

Safety and security are our top priority, especially as the situation evolves with the coronavirus (COVID-19) worldwide. This month, in light of the growing global concern, environment uncertainty and travel restrictions, we have received the notice of cancelation of World ATM Congress in Madrid scheduled for 10-12 March. With this decision, the AeroMACS 2020 – Madrid session collocated with the World ATM Congress has also been canceled.

Additionally, we had to made the difficult decision to postpone the AeroMACS 2020 – Lisbon Workshop previously scheduled for 1-2 April, 2020 in Lisbon, Portugal. We will continue monitoring the situation to determine the safest course of action as everything progresses. We hope things get better soon to reschedule the meetings we had planned and share with you the latest developments.

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. We hope things get better soon to reschedule the meetings we had planned and share with you the latest developments. 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 next:

• **On September 9-11** at the **ICNS Conference**, WiMAX Forum President **Declan Byrne** will host a presentation titled "AeroMACS Considerations to Foster Innovation in Air Transportation." As details are finalized, we will be certain to keep you informed.

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**.

Member organizations have already been contacted by our membership and finance teams. As always, we stand ready to answer any questions that you have. If you have questions or would like 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 throughout 2020!

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.

• AeroMACS System Implementation at Lisbon Airport

Lisbon Airport is the first European airport to have an AeroMACS system implemented on airside, allowing to share information even faster and unremitting. This new system facilitates efficient communication between Airport stakeholders, like ATC (NAV. EP), Airlines and Handlers. The airport is changing. Even if you do not see it, you will feel it!

To view the video, please click here

• The move to IP-based communications in aviation

The way pilots, air traffic controllers and others involved in aviation talk is changing thanks to the development of international standards and a push from component manufacturers. The principal protocol for online communications is Internet Protocol. This set of rules is foundational in how the internet works. But despite its widespread use throughout the world, until recently IP has played little part in communications within the aviation sector.

To read complete article, 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:

ICNS CONFERENCE	ICNS Conference **September 9-11** Herndon, Virginia For more information visit: **AeroMACS at ICNS Conference**

Upcoming Events:

FIELD SERVICE	April 21-24, 2020 Palm Springs, California For more information visit: **Field Service Palm Springs**
IOT INNOVATION NORTH AMERICA May 13 - 14, 2020 • Chicago, Ill. www.IoTNA.com	May 13-14, 2020 Chicago, IL For more information visit: **IoT Innovation North America**
6th Smart Cities India 2020 Expo 20-22 MAY 2020 Pragati Maidan, New Delhi, India	May 20-22, 2020 New Delhi, India For more information visit: **6th Smart Cities India**
Connected Manufacturing Forum	July 27-28, 2020 Austin, TX For more information visit: **Connected Manufacturing**
IOT SOLUTIONS WORLD CONGRESS	October 27-29, 2020 Barcelona, Spain For more information visit: **IoT Solutions World Congress**

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.

The Working Groups are the currently focused on **AeroMACS**, **Smart Energy**, product certification and various spectrum access solutions. The 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.

It is a critical time for your organization to influence and leverage the Working Groups activities and contribute to the development of the market. The Working Groups have been busy scheduling a number of activities for 2020 and we have a lot to get done. 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.

The Aviation Working Group (AWG) and the AWG Certification Task Group (CTG) have made significant progress on several technical projects and have been achieving important milestones. AWG members will be attending and participating in a number of industry and AeroMACS focused events to foster collaboration between key aviation industry players as the market share expands.

AWG members collaborate on the development and maintenance of specifications and supporting documents related to AeroMACS Product Conformance 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.

The AWG CTG has published the IOT procedures to support the testing and certification of products in support of an overall WiMAX Forum certification compliance for AeroMACS based on international approved standards. This publication of the IOT procedures represents the completion of the full set of testing procedures for AeroMACS Certification that include the previously published WiMAX Forum® AeroMACS Test Suite Structure and Test Purposes (TSS&TP) for PCT and RCT Specifications.

The WiMAX Forum, **ICAO**, other regulatory members and key industry stakeholders have formed the AeroMACS Advisory Council (AAC). The AAC is a collaborative body that will promote effective public-private dialogue and will consistent with the AeroMACS Certificate Policy and ICAO policies, provide strategic guidance and oversight for AeroMACS PKI, thereby helping promote optimum interoperability and trust among participants.

The WiMAX Forum has partnered with **Eonti** to manage and implement **AeroMACS PKI** as the Management Authority (MA). The MA has brought on the first Certificate Authority (CA) to make AeroMACS PKI commercially available to make AeroMACS operational networks secure. An overview of the AeroMACS PKI process is available here: **AeroMACS PKI Users Overview**.

The Smart Energy Working Group (SEWG) members are working with IEEE to bring to market devices for narrowband applications and other sub 1GHz spectrum. The WiMAX Forum and member companies are part of the revision of the IEEE 802.16t that has been approved by the IEEE 802 Executive Committee. This project specifies operation in licensed spectrum for mission critical entities that have a strong preference for private, licensed networks for their data communications needs. If you are interested in participating in this activity, please contact us at **info@WiMAXForum.org** and we will be glad to speak with you about this opportunity.

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 March:

- **ICNS 2020 Coronavirus Status**
- **List of Common Technical Standard Orders - EASA**
- **PODCAST: Connected Aircraft Cybersecurity 101 With the Satcom Guru**
- **Data Link Implementation in Europe [COM-DLK]**
- **O'Rielly Nominated for Second Term on the FCC**
- **Organizations still struggle to manage foundational security**
- **KDDI reports spike in Q3 profit on solid wireless gains**
- **Boeing Statement on Support for Aerospace Manufacturers**
- **AeroMACS 2020 – Lisbon Workshop Postponed**
- **Can You Trust Your Connected Car?**
- **Celebrating the Global Impact Of IEEE's 802 Standards**
- **Cybersecurity in the Aeronautics Industry**
- **Leonardo: 2019 results delivering or exceeding Guidance for the second year in a row**
- **Securing cities in the cyber age**
- **Airport Security technology goes notches up as passengers and cargo traffic soars globally**
- **6th Smart Cities India**
- **WiMAX Forum Announcement on the Notice of Cancellation of World ATM Congress 2020**
- **Lisbon Airport Is The First In Europe To Have AeroMACS System**
- **FCC Establishes Procedures for 3.5 GHz Band Auction**
- **Essential Steps to Secure Industrial Systems from Cyberattacks**
- **Salvatore Sciacchitano inaugurates 219th Session of the ICAO Council as its new President**
- **DigiCert Introduces Upgraded TLS Certificate And Business Manager, DigiCert CertCentral Partner**
- **Connected Manufacturing**
- **ACI World calls for infrastructure and customer experience investments**
- **AEROTHAI E-News**
- **Special Events the Week of World ATM Congress**
- **Why the Development of Wireless Networks Is Important for Global IoT Growth**

- **PKI, digital certificates now ready to take on the task of securing digital transformation**
- **ThinkRF Integrates its RF Spectrum Analyzers with CelPlan Software**
- **EUROCONTROL, SESAR JU and ACI EUROPE launch new initiative for sustainable airport operations**
- **Three Scalability Issues Affecting IoT Adoption**
- **Report Finds Most Agencies Not Developing Cybersecurity Recommendations**
- **CAAC Proceeds Progressive and Orderly Resumption of Major Projects**
- **February 2020 WiMAX Forum Monthly Newsletter**

SIGN UP | ARCHIVE | Read more at WiMAXForum.com