MAY 2020

IN THIS ISSUE

INTRODUCTION

Dear Respected Colleagues,

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.

In light of the travel restrictions and unavailability to meet face-to-face for the moment, the WiMAX Forum has launched the virtual presentation series to deliver to our members and industry with the necessary tools to remain informed, exchange ideas, share knowledge and maximize value. The presentations and discussions will provide the community in-depth knowledge and hands-on experience from industry experts at key organizations.

The first virtual presentation session included relevant content from Eurocontrol, Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO), and you can review the details and video at the following link: **https://youtu.be/Np0ZhXLuIYs**.

Other companies participating include: **Aviation Data Communication Corporation (ADCC)**, **Avicom Japan**, **CelPlan Technologies**, **DigiCert**, **Eonti**, **Honeywell**, **Jezetek**, **Leonardo**, **Lisbon Airport**, **Powertech Labs**, **RIOgaleao**, **Sectigo**, **Siemens**, **Telrad Networks**, as well as others to be announced soon. Please stay tuned for the next sessions and for more information, visit: **WiMAXForum.com**.

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 will continue working 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. 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.

We will remain vigilant and monitoring the latest developments to determine the safest course of action as the situation evolves. 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. Please stay tuned for the upcoming event and for more information, please visit: **WiMAX Forum Events**.

Please reach out to us if you have any questions or comments. We at the WiMAX Forum wish you a wonderful remainder of May and a prosperous June!

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.

• **WiMAX Forum Virtual Presentations First Session**

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 publication of the first virtual presentation session with Eurocontrol, FAA and ICAO.

To read complete press release, please click here.

• **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.

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:

Connected Manufacturing Forum	August 31-September 1, 2020 Austin, TX For more information visit: **Connected Manufacturing**
IOT INNOVATION NORTH AMERICA September 16 - 17, 2020 • Digital Event www.IoTNA.com	September 16-17, 2020 Digital Conference For more information visit: **IoT Innovation North America**
FIELD SERVICE	September 29 - October 2, 2020 Palm Springs, California For more information visit: **Field Service Palm Springs**
6th Smart Cities India 2020 Expo Pragati Maidan, New Delhi, India	October 20-22, 2020 New Delhi, India For more information visit: **6th Smart Cities India**
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 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. The Working Groups are the currently focused on **AeroMACS**, **Smart Energy**, product certification and various spectrum access solutions.

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 scheduling a number of activities for the year and we still 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 are participating in the WiMAX Forum Virtual Presentation Series and other AeroMACS focused activities to foster collaboration between key aviation industry players as the market share expands.

AWG members have been collaborating diligently 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.

AeroMACS IOT procedures have been published by the AWG CTG and products from multiple manufacturers are in the lab completing testing for full AeroMACS Certification. The publication of the IOT procedures represents the completion of the full set of testing procedures for AeroMACS Certification for compliance based on international approved standards 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 May:

- **YouTube: WiMAX Forum Virtual Presentation - Session 1 - Eurocontrol, FAA and ICAO**
- **DigiCert Named 2020 Global Company of the Year in TLS Certificate Market by Frost & Sullivan**
- **Principles for industry restart**
- **IoT Innovation North America Digital Conference**
- **Sectigo Experiences Record Demand for Digital Identity Management as Enterprises Strengthen Remote Access and Business Continuity**
- **Leonardo: the Board of Directors confirms Alessandro Profumo Chief Executive Officer**
- **ACI reveals top 20 airports for passenger traffic, cargo, and aircraft movements**
- **Japan tops 182 million mobile customers milestone in Q1**
- **SESAR2020 PJ14 Final Project Report**
- **Chinese Wisdom in the Construction and Development of "Four-Type Airport"**
- **Air travel won't return to pre-crisis levels until 2023, IATA chief warns**
- **Integrated Communications Navigation and Surveillance (ICNS) Conference**
- **Airlines and airports welcome EC guidelines as encouraging step towards recovery - urge Member States to follow through with co-ordinated approach**
- **Siemens Partners with Ondas on Rail Radio Equipment**
- **Predicted global impact of COVID-19 on airport industry escalates**
- **Notice of the Civil Aviation Administration of China, Shaanxi Provincial People's Government on Printing and Distributing the Strategic Plan of Xi'an International Aviation Hub**
- **NG9-1-1 Interoperability Oversight Commission Approves RFP Award for PKI Operations & PCA**
- **FAA, EASA Clarify Avionics Mandates to Meet Cybersecurity Challenge**
- **ACI's global traffic data reveals growing impact of COVID-19**
- **Keeping Digital Identities Secure In The Push To Remote Connectivity**

- **What's new with the SESAR Deployment Manager?**
- **COVID-19 strains critical certificate authority processes**
- **European Commission - Coronavirus: package of measures to support transport sector**
- **China to further support small, medium-sized airports in remote regions**
- **Airline industry after 9/11 and Covid-19**
- **European Commission calls for experts on Intelligent Transport Systems**
- **ICAO Establishes Aviation Recovery Task Force**
- **U.S. Transportation Secretary Elaine L. Chao Announces Over $1 Billion in Grants to 439 Airports in 50 States**
- **Eurocontrol scenarios illustrate need for co-ordinated recovery**
- **Boeing to Institute Big Cuts to Workforce and Production**
- **Sectigo IoT Identity Platform Wins 2020 IoT Evolution Industrial IoT Product of the Year Award**
- **IATA Calls for Global Mutual Recognition**
- **April 2020 WiMAX Forum Monthly Newsletter**

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