

The header features a dark blue background with a glowing globe and network lines. The WiMAX Forum logo is on the left, and the text 'wiMAX FORUM® NEWSLETTER' is on the right.

wiMAX FORUM® NEWSLETTER

APRIL 2020

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INTRODUCTION

Dear Respected Colleagues,

While the entire world has been closely monitoring the evolving situation with the coronavirus (COVID-19) and its impact, we at the **WiMAX Forum** continue producing important work to advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology with the collaboration, support and participation of our **Board of Directors**, **Member Companies** and **Working Group Representatives**.

As a result of these unprecedented times, the WiMAX Forum is taking a proactive step and launching a series of virtual meetings and presentations next month to provide 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.

The agenda schedule is under development and it already includes participants from the following organizations: **Aviation Data Communication Corporation (ADCC)**, **Avicom Japan**, **CelPlan Technologies**, **DigiCert**, **Eonti**, **EUROCONTROL**, **Federal Aviation Administration (FAA)**, **Honeywell**, **International Civil Aviation Organization (ICAO)**, **Jezetek**, **Leonardo**, **Lisbon Airport**, **Powertech Labs**, **RIOgaleao**, **Sectigo**, **Siemens**, **Telrad Networks**, and others to be announced soon. For more information, please click [here](#).

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. We will continue 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.

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 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.

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. 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](#).

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 at the WiMAX Forum wish you a great rest of the month and we hope to see many of you soon!

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**

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 delighted to announce a series of virtual presentations starting next month. In light of the growing global concern, environment uncertainty and travel restrictions due to the coronavirus (COVID-19) and while we have to stay away from each other and maintain social distance, meeting face-to-face at conferences may take some time.

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:

	<p>ICNS Conference September 9-11 Herndon, Virginia For more information visit: AeroMACS at ICNS Conference</p>
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Upcoming Events:

	<p>July 7-9, 2020 New Delhi, India For more information visit: 6th Smart Cities India</p>
	<p>July 27-28, 2020 Austin, TX For more information visit: Connected Manufacturing</p>
	<p>September 16-17, 2020 Chicago, IL For more information visit: IoT Innovation North America</p>
	<p>September 29 - October 2, 2020 Palm Springs, California For more information visit: Field Service Palm Springs</p>
	<p>October 27-29, 2020 Barcelona, Spain For more information visit: IoT Solutions World Congress</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 organizes its technical activities through a number of Working Groups that produce technical requirements, develop technical specifications, and advise the forum. The **WiMAX Forum Working Groups** are key to the development of WiMAX technology.

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 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 will be participating in AeroMACS focused activities to foster collaboration between key aviation industry players as the market share expands.

AWG members have been collaborating 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 the products are in the lab completing testing and certification of products 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 April:

- [FCC Announces Tentative Agenda for May Open Meeting](#)
- [WiMAX Forum Virtual Presentations](#)
- [ITU Launches Collaborative Regulatory Framework, Releases 2020 Regulatory Outlook](#)
- [Potentially 1.2 billion fewer international air travellers by September 2020, says new ICAO forecast](#)
- [New 451 Research Highlights Shifting IT Priorities Amid COVID-19 Crisis](#)
- [IATA expects slow recovery](#)
- [Integrating Security Into DevOps: The Skill Set, Mindset And Cultural Shifts Needed](#)
- [ACI report shows the importance of the airport industry to the global economy](#)
- [Securing Airports from Drone Threats Is A 'Wicked Problem,' FAA and Industry Agree](#)
- [View from the top](#)
- [Aviation Community Resources](#)
- [Online Security in the Age of Increased Remote Workers](#)
- [RTCA Digest April 2020](#)
- [Root Causes 76: Implications of COVID-19 for PKI](#)
- [IATA analysis shows COVID-19 putting half of passenger revenues at risk](#)
- [Defending aviation from cyber attack](#)
- [CAAC warns that air traffic return will be slow](#)
- [3 Ways the World Would Be a Different Place Without IEEE's Family of 802 Standards](#)
- [Will Today's Cybersecurity Guidelines and Standards Become Mandates for Connected Aircraft Systems?](#)
- [Upgrading to CertCentral: What You Need to Know](#)
- [Unprecedented impact of pandemic on European airports clear as March passenger numbers are released](#)
- [FCC Staff Report Details Potential State-By-State Eligibility for 5G Fund Auction in 2021](#)
- [Airlines facing rapid cash burn](#)
- [EUROCONTROL States agree a €1.1 billion deferral package to assist airlines](#)
- [IoT Solutions World Congress](#)
- ['6G to satisfy the expectations not met with 5G': 6G Flagship Program](#)
- [China's domestic aviation industry showing upward trend](#)
- [Sectigo IoT Identity Manager Short Listed for SC Awards Europe's Best IoT/IIOT Security Solution Award](#)
- [Aviation International News](#)
- [Why we need to secure IoT connections sooner than later](#)

- **The Federal Aviation Administration (FAA) Aerospace Forecast Fiscal Years (FY) 2020-2040**
- **ICAO SkyTalks+: Performance-based Navigation**
- **IoT Innovation North America**
- **Appointment of Massimo Claudio Comparini as Deputy CEO, Senior Executive Vice President Observation, Exploration and Navigation at Thales Alenia Space and CEO of Thales Alenia Space Italia**
- **ICAO Council underscores vital role of air transport to worldwide post-crisis recovery**
- **RSAC 2020 Video Interviews, Part 1**
- **Penalba de Santiago, Montes de Valdueza, San Adrian and Valdecanada already have 30 megabytes of internet**
- **Environmental protection is both a challenge and an opportunity for European aviation**
- **FCC to Adjust CBRS Auction 105 Schedule**
- **EUROCAE engages with ACI EUROPE to support airport standardisation**
- **Airbus, Boeing Make Production Decisions Amid COVID-19 Pandemic**
- **Embraer Suspends 2020 Financial Forecast Amid COVID-19 Impact**
- **March 2020 WiMAX Forum Monthly Newsletter**



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