

The header features a dark blue background with a glowing green and blue globe. A white WiMAX logo is positioned to the left of the text. The text 'WiMAX FORUM' is in a large, white, sans-serif font, with 'NEWSLETTER' below it in a slightly smaller font. The date 'FEBRUARY 2020' is in the bottom right corner of the header.

WiMAX FORUM[®] NEWSLETTER

FEBRUARY 2020

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INTRODUCTION

Dear Respected Colleagues,

We at the **WiMAX Forum** hope that your year is off to a great start!! We have been extremely busy preparing a lot of activities for the year in our continued efforts to add value to our members and ecosystem. We as an industry body, 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, the WiMAX Forum participated in the first face to face meeting at the IEEE 802 Wireless Interim session in Irvine, CA. The Project Authorization Request (PAR) for revision of the IEEE

802.16t 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 the standard process, please email info@WiMAXForum.org, and we will provide you with more details.

This 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.

In the next months, the WiMAX Forum will host and participate in a number of industry events, as the year promises further momentum. Here is the summary of an upcoming event that we are participating during the coming months:

- **On March 10-12** at the **World ATM Congress Conference & Exhibition**, the WiMAX Forum will exhibit AeroMACS at **Booth 117** in the **IFEMA Exhibition Hall**. If you would pre-scheduled a meeting time with us, please email info@WiMAXForum.org and we will be glad to schedule a time to speak with you.
- **On March 11 at 2:00PM** local time, the WiMAX Forum will host **AeroMACS 2020 – 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 April 1-2** the WiMAX Forum will host **AeroMACS 2020 – Lisbon**, the first AeroMACS Workshop in Lisbon, Portugal in cooperation with **ANA - Aeroportos de Portugal**, hosted by **Lisbon Airport** and supported by **EUROCONTROL**. The program includes AeroMACS Demo with visit to the airside and system, presentations, worldwide cases and successful implementations. The purpose of the workshop is to foster collaboration between key players in the aviation industries.
- **On April 21-23** 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.

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. 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**.

Many of your organizations have been contacted by our membership and finance teams. 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 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](#)

- **IEEE standards are critical to grid mod and other utility priorities: You should help develop them**

The electric power industry and others use many IEEE 802 standards on a daily basis without much thought or knowledge of how the standards were created — IEEE 802.3 — Ethernet, IEEE 802.11 — Wi-Fi, IEEE 802.15.4 — Wi-SUN, etc. For widely adopted commercial standards, putting this understanding on the backburner is fine. However, there are other IEEE 802 standards, specifically those used for mission critical applications, that could be better utilized and enhanced if users were to engage in the standardization process.

To read entire publication, 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 2020 - Madrid March 11 at 14:00 to 16:00 AeroMACS Exhibition Madrid, Spain For more information visit: AeroMACS at World ATM Congress</p>
 <p>WiMAX FORUM® AeroMACS LISBON, PORTUGAL APRIL 1-2, 2020</p>	<p>AeroMACS 2020 - Lisbon April 1-2 Lisbon, Portugal For more information visit: AeroMACS Workshop</p>
 <p>ICNS CONFERENCE</p>	<p>ICNS Conference April 21-23 Herndon, Virginia For more information visit: AeroMACS at ICNS Conference</p>

Upcoming Events:

 <p>World ATM Congress 2020 A CANSO partnership with ATCA 10-12 March 2020 Madrid, Spain IFEMA, Feria de Madrid</p>	<p>March 10-12, 2020 Madrid, Spain For more information visit: World ATM Congress</p>
 <p>BLOCKCHAIN 2020 March 18-19, 2020 Las Vegas, USA blockchain@annualmeetings.net</p>	<p>March 18-19, 2020 Las Vegas, NV For more information visit: Blockchain and Data Science</p>
 <p>FIELD SERVICE</p>	<p>April 21-24, 2020 Palm Springs, California For more information visit: Field Service Palm Springs</p>

 <p>IOT INNOVATION NORTH AMERICA</p> <p>May 13 - 14, 2020 • Chicago, Ill. www.IoTNA.com</p>	<p>May 13-14, 2020 Chicago, IL For more information visit: IoT Innovation North America</p>
 <p>6th Smart Cities India 2020 Expo</p> <p>20-22 MAY 2020 Pragati Maidan, New Delhi, India</p>	<p>May 20-22, 2020 New Delhi, India For more information visit: 6th 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 would like to extend a special welcome to the new members for 2019:

- **German Aerospace Center (DLR)**
- **Ondas Networks**

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 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 in the past year 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. 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 February:

- [Video - AeroMACS System Implementation at Lisbon Airport](#)
- [WiMAX Forum Announces AeroMACS Workshop Hosted by Lisbon Airport on 1-2 April](#)
- [ACI launches new guidance for addressing cybersecurity threats](#)
- [CBRS Transition Could Leave Some WISP Customers Without Service](#)
- [Digicert top execs make 2020 predictions](#)
- [RTCA Digest](#)
- [Leonardo drives the "digital transformation" of key suppliers](#)
- [NASA, Teamed with FAA, Industry, and Academia, Should Research Effects of Increased Drone Traffic on Privacy, the Environment, and Cybersecurity](#)
- [We Are Sectigo | Surup Desai](#)
- [Security Sessions | For Mission-Critical Data and Control, Private Standards Are the Key to Longevity Fix](#)
- [ACI issues new guidance on alignment between airspace and airport capacity](#)
- [Passenger traffic growth slows but remains steady](#)
- [Should You Be Worried About Airport Cybersecurity Threats?](#)
- [Sectigo Releases New Web Security Platform](#)
- [Introducing Leonardo&Codemar S.A., a new joint venture focused on security and resilience, infrastructure management, and helicopter-based services](#)
- [International Conference on Blockchain and Data Science](#)
- [Japan passes 180 million mobile customers milestone in 2019](#)
- [First wave of SESAR 2020 comes to a close](#)
- [Fifth Annual AeroMACS 2020 – Madrid to be Held at the World ATM Congress on](#)

March 11

- **EUROCONTROL Network Manager launches massive Call for Tender to build tomorrow's ops systems**
- **Only three of the Top 100 international airports pass basic security checks**
- **Global airline industry needs 'smart regulation', says IATA chief**
- **L3Harris to Sell Airport Security Business to Leidos for \$1B**
- **The leading international congress devoted to Wi-Fi arrives in Barcelona together with the IOTSWC**
- **What the airport of 2030 will look like**
- **3 Cybersecurity Threats (And Solutions) for 2020**
- **Airspace Modernisation – 2019 Progress Report**
- **What the FCC Has Accomplished Under 3 Years of Chairman Ajit Pai's Leadership**
- **DigiCert Managers are built from the ground up to provide fast, flexible PKI deployment**
- **AeroMACS Participation at ICNS**
- **ICAO Secretary General contributes to WEF2020 discussions on 21st century mobility, unmanned aircraft applications, and cleaner skies**
- **Airport data sharing and collaboration key to improving passenger satisfaction**
- **Leonardo: strong 2019 performance, meeting or exceeding expectations**
- **How the energy industry can better protect itself from cyberattacks**
- **January 2020 WiMAX Forum Monthly Newsletter**



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