



MARCH 2021

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INTRODUCTION

Dear Respected Colleagues,

The **WiMAX Forum** with the collaboration and participation of our **Board of Directors, Member Companies, Working Group Representatives**, and industry experts continue producing important work to increase awareness, support and advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology while achieving important milestones and growing the market for ecosystem and our membership.

While we achieve important milestones and market growth, we see concrete results from our efforts and activities. We will continue working to leverage our services and position the WiMAX technology with the expectation that the market share will expand and succeed.

Last month, at the Sparring Partners Webinar "Wireless connectivity in airports with AeroMACS," **Declan Byrne**, WiMAX Forum, Pedro Ponte, **Lisbon Airport**, Antonio Correias, **Skymanatics**, and Monica Paolini, **Senza Fili**, discussed the role of AeroMACS in private networks in airports and lessons learned from initial deployments. If you missed the webinar and want to review it please visit: <https://youtu.be/qUjPBOWRYgs>.

This month, the World ATM Congress announced the 2022 dates shifted to summer, 21 – 23 June 2022 in a bid to get back to the regular March timeframe. World ATM Congress 2023 will then return to March. They are still planning to hold an in-person event later this year on 26 – 28 October 2021, on the assumption that circumstances will allow it at the time. To read the complete announcement, please click [here](#).

Next month, the Integrated Communications Navigation and Surveillance (ICNS) Conference, focused on the future of ATM, will be held virtually on April 20-23. AeroMACS - WiMAX Forum is proud to be a sponsor and supporting organization. The 2021 ICNS Conference theme is "Agility and Sustainability: Embracing Rapid Evolution and Uncertainty." For more details, please visit: <https://i-cns.org/>.

The WiMAX Forum is well positioned to develop opportunities to grow business and leverage its stakeholders. We will keep busy preparing for exciting meetings and events in person and virtually to raise awareness about the benefits of the AeroMACS and WiMAX technology. Please stay tuned and for more information, visit our **Website** at WiMAXForum.com, **YouTube Channel** and Social Media (**Facebook**, **LinkedIn** and **Twitter**).

Member companies have already been contacted by our membership and finance teams. As always, we stand ready to answer any questions that you have. For more information regarding your membership status, please email Membership@wimaxforum.org.

If you have any questions regarding any of this or our organization's activities, please reach out to us. We look forward to continuing to work with you through 2021!

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.

- **Leonardo's technology chosen to strengthen the Italian airport systems**

Leonardo has strengthened its market position in the airport sector by signing contracts with SEA and SACBO, the respective management companies for Milan Malpensa and Milan Bergamo airports. Malpensa and Bergamo are the second and third busiest airports in Italy. At Milan Malpensa, Leonardo will replace most of the existing baggage handling infrastructure with a high-tech new system.

To read complete announcement, please click [here](#).

- **"AeroMACS" the technology that makes communications faster and safer at airports**

A digital communications system through broadband, aims to replace traditional radio frequency communications systems, to help airlines, airport authorities and air navigation service providers to efficiently and safely manage the growing need for data exchange and information at the world's most congested airports. AeroMACS is a wireless broadband technology that operates in the aeronautical C band (5 GHz), which guarantees up to 20 Mb / s of bandwidth and 12 km of coverage.

To read complete 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.

Upcoming Events:

	<p>April 20-22, 2021 Virtual Conference For more information visit: ICNS</p>
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	<p>July 1-2, 2021 Berlin, Germany For more information visit: Cognitive Manufacturing</p>
	<p>July 29-30, 2021 Austin, TX For more information visit: Connected Manufacturing</p>
	<p>October 5-7, 2021 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 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 currently focused on a number of activities to promote growth and innovation of **AeroMACS** and **Smart Energy** markets, through product certification and various spectrum access solutions. Participation is open to all WiMAX Forum Members.

AeroMACS continues gaining momentum and adding value to the broader aviation industry. Last month, Leonardo announced a contract with SEA and SACBO. SEA has chosen Leonardo to provide a surveillance system at Milan Malpensa, primarily to support the management of aircraft and other vehicles in the ground manoeuvring area. The solution includes AeroMACS, the technological pillar of Europe's ambitious Single European Sky (SES) initiative. For more information please visit: <https://www.leonardocompany.com/en/press-release-detail/-/detail/11-02-2021-leonardo-s-technology-chosen-to-strengthen-the-italian-airport-systems>.

The Aviation Working Group (AWG) members and industry experts have been collaborating to demonstrate the immense potential and benefits of AeroMACS as the technology selected to support the safety and regularity of flights. AWG members are currently working on several key projects including: the development and maintenance of specifications related to AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), FCC AeroMACS Petition for Rulemaking, Virtual Conferences, Webinars and other initiatives to support AeroMACS as the standard selected to improve communications at the airport surface.

Siemens has received complete AeroMACS certification, and at this time other manufacturers are in the AeroMACS Designated Certification Laboratory (**ADCL**) completing testing to receive full AeroMACS Certification. The AeroMACS certification process is based on a set of requirements and standards defined by the aviation industry.

The **AeroMACS PKI** is provided by the WiMAX Forum in partnership with **Eonti** as the Management Authority (MA). Eonti is responsible to manage and implement AeroMACS PKI to ensure AeroMACS operational networks are secure. AeroMACS PKI is commercially available and an overview of the AeroMACS PKI process is available here: [AeroMACS PKI Users Overview](#).

The WiMAX Forum and Smart Energy Working Group (SEWG) members are working with IEEE to bring to market devices for narrowband applications and other sub 1GHz spectrum. The IEEE 802.16t 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 on this activity, please contact us.

The WiMAX Forum Working Groups is chartered to bring industry leaders together to collaborate and contribute to the development of technical specifications, technical requirements, harmonization of documents, and provide coordinated recommendations to advise the Forum. For more information on our Working Groups, please visit: www.wimaxforum.org/Page/About/Working-Groups.

It is a crucial time for your organization to participate, influence and leverage the Working Groups activities, and contribute to the development of the market. If you are interested in participating in our Working Groups, please contact us at info@WiMAXForum.org and we will be happy to speak with you about this opportunity.

Working Group activity is integral to the success of the Forum, and your participation is important!

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:

- [SPACE Brazil: Panel - AeroMACS airport broadband digital communication solution](#)
- [In A World Of Nonstop Change, Automation Is Essential To Managing Digital Certificates At Scale](#)
- [2021 ICNS Technical Exchange](#)
- [FY20 Achievements in Aerospace and Transportation](#)
- [RTCA March 2021 Digest](#)
- [Pandemic's dramatic impact on aviation endures but signs of recovery emerge](#)
- [China's civil aviation capacity to rise by 43% to 2 billion passenger trips within 5 years - Global Times](#)
- [Aviation Experts Highlight Challenges Faced Amid Pandemic](#)
- [Cognitive Manufacturing 2021](#)
- [World ATM Congress 2021 Updates and 2022 Date Announcement](#)
- [NTIA Spectrum Compendium 5030-5250 MHz](#)
- [Webinar: Understanding the security requirements of the Industrial Edge](#)
- [Dynamic Spectrum Management with Network Function Virtualization for UAV Communication](#)
- [Is it Possible to Protect Digitized Avionics Systems from Cyber Attacks?](#)
- [Leonardo announces the launch of Leonardo DRS IPO for a minority stake](#)
- [Global airports invest in technology to stimulate recovery](#)
- [Increased Adoption of PKI Essential to Achieve Zero Trust Strategy: IT Security Survey](#)
- [For Foshan's new airport to thrive, it must set itself apart from other hubs in the Greater Bay Area, analysts say](#)
- [Roundtable: what should the future of aviation look like?](#)

- **NASA Brings Airport Communications into the Digital Age**
- **One step closer to the SESAR 3 Joint Undertaking**
- **Airports invest in technology to advance industry recovery**
- **Siemens Named A Leader in Product Lifecycle Management by Forrester Research**
- **RTCA Digest**
- **Leonardo: FY 2020 results confirm robust and resilient business performance, Orders at € 13.8 bn. Successful execution with positive FOCF at € 40 mln. Continued confidence in medium-long term core business fundamentals**
- **Civil aviation travel heats up in China following Spring Festival holidays**
- **Planning for the restart as travelers gain confidence**
- **Security culture in aviation – aligning skill, will and focus**
- **Watch ICNS 2021 Tech Talk - Artificial Intelligence for the Aviation Mission**
- **Why SESAR innovation is key to building back better**
- **2021 passenger traffic off to a poor start**
- **Interview with Luis Felipe de Oliveira, Director General of ACI World**
- **Leonardo: the first Integrated Report is to be approved by the Board of Directors on 9 March**
- **Brace your airport for the new era of post-pandemic air travel**
- **China's booming general-aviation sector boasts 2,800 aircraft: CAAC**
- **Government watchdog finds federal cybersecurity has 'regressed' in recent years**
- **New IoT Legislation Means Advance Planning is Key**
- **U.S. Department of Transportation Announces \$76 Million in Airport Improvement Grants**
- **EUROCONTROL Network Manager User Week**
- **ICNS Plenary and Workshop Topics**
- **As China Targets 2021 Passenger Recovery, Domestic MROs Add Capabilities**
- **IATA Believes Airline Industry Won't Bounce Back Until 2022**
- **SESAR Innovation Pipeline – Highlights**
- **ACI World congratulates new ICAO Secretary General Mr. Juan Carlos Salazar**
- **February 2021 WiMAX Forum Monthly Newsletter**



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