

The header features a dark blue background with a glowing green and blue globe. The globe is overlaid with a network of white and blue lines, representing a global communication network. The WiMAX Forum logo, consisting of two overlapping white circles, is positioned to the left of the text.

WiMAX FORUM[®] NEWSLETTER

FEBRUARY 2021

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INTRODUCTION

Dear Respected Colleagues,

We at the **WiMAX Forum** hope that your 2021 is off to a great start! With the collaboration and participation of our **Board of Directors**, **Member Companies**, **Working Group Representatives**, and industry experts we are advancing Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology while achieving important milestones and growing the market for ecosystem and our membership.

This month the WiMAX Forum has a lot of good news to share with our global community. We are excited to announce concrete results from our efforts and activities, while we continue leveraging our services and positioning the technology with the expectation that the market share will expand and succeed.

On **February 4**, at the Sparring Partners Webinar "Wireless connectivity in airports with AeroMACS," **Declan Byrne**, WiMAX Forum, Pedro Ponte, **Lisbon Airport**, Antonio Correias, **Skymantics**, 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/qUjPB0WRYgs>.

Also, this month on **February 11**, **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 WiMAX Forum is well positioned to develop opportunities to grow business and leverage its stakeholders. As the year promises further momentum, we will continue to push forward to bring the highest value to the WiMAX community as the market share expands. Here is the summary of an upcoming event that we are planning to participate during the coming months:

- **On April 19, 2021**, the WiMAX Forum plans to participate in the ICNS Virtual Conference. As details are finalized, we will be certain to keep you informed. For more information, please visit: <https://i-cns.org/>.
- **On October 26, 2021**, the WiMAX Forum plans to participate in the World ATM Congress in Madrid. As details are finalized, we will be certain to keep you informed. For more information, please visit: <https://www.worldatmcongress.org/home>.

The WiMAX Forum 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: WiMAXForum.com.

In the past months we have participated and recorded a series of videos and webinars. If you did not have the chance to see the recordings yet, you can still access them in multiple online channels including the WiMAX Forum [Website](#), [YouTube](#) and Social Media ([Facebook](#), [LinkedIn](#) and [Twitter](#)).

Many of our member companies have 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 are looking forward to continuing to work with you in 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.

- **"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](#).

- **NASA Helps Bring Airport Communications into the Digital Age**

Some of the best entertainment at the airport is all the action outside the window. Loaded luggage carriers zip past on their way to planes. Fuel trucks come and go. Catering trucks restock galleys. During winter, de-icing crews and snowplows add to the bustle. This organized chaos is overseen by the ground-control managers as part of an airport-wide effort to ensure the safety of all ground operations. And as air travel has increased, the challenge of keeping track of all the moving parts has only grown.

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>6th Smart Cities India 2021 Expo</p>	<p>March 24-26, 2021 New Delhi, India For more information visit: 6th Smart Cities India</p>
 <p>Connected Manufacturing Forum</p>	<p>July 29-30, 2021 Austin, TX For more information visit: Connected Manufacturing</p>
 <p>IOT SOLUTIONS WORLD CONGRESS</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 related to **AeroMACS** and **Smart Energy**, 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. The Aviation Working Group (AWG) members and key industry players have been able to demonstrate the immense potential and benefits of AeroMACS as the technology selected to support the safety and regularity of flights.

The AWG members and industry are collaborating 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 February:

- **The NEXTT Vision: From concept to implementation – during and post COVID-19**
- **EV charging security project gathers pace**
- **Strengthening the Single European Sky**
- **A coordinated, risk-based approach to improving global aviation safety**
- **China's air passenger numbers down 45% year-on-year over Lunar New Year**
- **SESAR 2020 Project 31 DIGITS - demonstration of ATM improvements generated by initial trajectory sharing**
- **Airlines need up to \$80bn to survive, says Iata**
- **2020 was worst for European airport traffic in 25 years**
- **Leonardo's technology chosen to strengthen the Italian airport systems**
- **Senza Fili Webinar Recording - YouTube: Wireless connectivity in airports with AeroMACS**
- **"AeroMACS" the technology that makes communications faster and safer at airports**
- **First wave of SESAR 2020 comes to a close**
- **EUROCAE and EUROCONTROL strengthen cooperation in aviation standards development**
- **DigiCert Completes Migration of Customers, Partners to DigiCert CertCentral®, Pointing Way Forward to Continued Modernization of PKI and Certificate Management**
- **Eight airports from VINCI Airports' network distinguished with "Voice of the Customer Recognition" by ACI World**

- **IATA CEO Alexandre De Juniac: The Next 6 Months Difficult for Travel Sector in China**
- **Europe's airport 2020 passenger traffic back to 1995 levels**
- **Eurocae Annual Report**
- **Future of aviation is on the line as urgent support is needed, says ACI**
- **Episode 200: Sakura Samurai Wants To Make Hacking Groups Cool Again. And: Automating Our Way Out of PKI Chaos**
- **New European Air Traffic Management Modernisation Regulation Common Project 1 instated**
- **China to further promote recovery of civil aviation industry**
- **Convergence India 2021**
- **2020 Worst Year in History for Air Travel Demand**
- **Aviation Groups Release Runway Excursion Reduction Plan**
- **Securing IoT with PKI**
- **Building Back Better by Strengthening the Single European Sky Proposals**
- **ICNS Virtual Conference 2021**
- **Accelerating digital innovation via a European Network of Innovation Labs**
- **January Webinar On Demand: Stratospheric Operations**
- **Top tips for embedding a strong and effective security culture in aviation**
- **NASA and Federal Aviation Administration Sign Collaboration Agreements**
- **China's Main Carriers Are Delaying Deliveries From Airbus And Boeing But Not COMAC**
- **January 2021 WiMAX Forum Monthly Newsletter**



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