

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

MAY 2021

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INTRODUCTION

Dear Respected Colleagues,

Another month has past, and the **WiMAX Forum** with the collaboration 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.

Now that the year is almost halfway through, it's a good time to catch up on our activities. While we achieve important milestones and market growth, we see concrete results from our efforts. We will continue working to leverage our services and position the WiMAX technology.

Last month, the Integrated Communications Navigation and Surveillance (ICNS) Conference, focused on the future of ATM, was held virtually on April 20-22. The 2021 ICNS Conference theme is "Agility and Sustainability: Embracing Rapid Evolution and Uncertainty" and it included an AeroMACS presentation from ENRI entitled "Flight Tests for Expanding AeroMACS Coverage and Air-Ground SWIM Demonstration." AeroMACS - WiMAX Forum was a sponsor and supporting organization. For more details, please visit: <https://i-cns.org/>.

This month, **Siemens** announced the approval to operate and implement AeroMACS at airports in Brazil. The regulation for the use of AeroMACS by the National Telecommunications Agency (Anatel) occurs after approximately two years of tests at Tom Jobim International Airport (**RIOgaleao**), in Rio de Janeiro. Siemens became the first manufacturer to obtain the approval to use the system at this specific frequency range in Brazil.

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. Here is the summary of an upcoming event that we are participating during the coming months:

- **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>.

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. Through our events, speaking opportunities, seminars, and webinars, we are reaching out to diverse audiences in the WiMAX community. Please stay tuned and for more information, visit our **Website** at **WiMAXForum.com**, **YouTube Channel** and Social Media (**Facebook**, **LinkedIn** and **Twitter**).

The WiMAX Forum is well positioned to develop opportunities to grow business and leverage its stakeholders. If you are interested in publishing an AeroMACS article in a well know magazine, please contact us at Info@wimaxforum.org and we will be happy to speak with you about this opportunity.

Please reach out to us if you have any questions or comments. We at the WiMAX Forum wish you a great end of month and hope to see 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.

• **AeroMACS authorized to operate in Brazil**

The National Telecommunications Agency (Anatel) approved the AeroMACS system for operation in Brazil. Developed by Siemens, the Aeronautical Mobile Airport Communication System facilitates the operation and management of airport centers by generating data and images in real time through mobile assets (aircraft, vehicles, boarding ladders, etc.) and fixed assets (such as radars and sensors on runways).

To review the translated announcement, please click [here](#).

• **Investing KRW 344.9 billion in navigation facilities... Increase the safety of the sky road**

At the meeting on the 29th, it will be promoted without disruption to investment in navigational safety facilities. On April 29, the Ministry of Land, Infrastructure and Transport held an online conference with Korea Airports Corporation and Incheon International Airport Corporation at 2 pm to discuss mid-to long-term investment directions for navigation safety facilities and safety management plans.

To review the translated article, 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>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>September 23-24, 2021 Virtual Conference For more information visit: Industry 4.0 Conference 2021</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 technical activities are organized 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. The **WiMAX Forum Working Groups** are key to the development of WiMAX technology and participation is open to all WiMAX Forum Members.

The Aviation Working Group (AWG) members and industry experts 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.

AeroMACS continues gaining momentum and adding value to the broader aviation industry. AWG members have been collaborating to demonstrate the immense potential and benefits of AeroMACS as the technology selected to support the safety and regularity of flights.

Leonardo has announced a contract with SEA and SACBO to provide a surveillance system at Milan Malpensa. The solution includes AeroMACS, the technological pillar of Europe's ambitious Single European Sky (SES) initiative. Siemens has received approval to operate and implement AeroMACS at airports in Brazil and has completed the entire WiMAX Forum AeroMACS certification process. Other manufacturers are currently in the AeroMACS Designated Certification Laboratory (**ADCL**) completing testing to receive full AeroMACS Certification.

The AeroMACS certification process is based on standards defined by the aviation industry and includes AeroMACS PKI that enables users to securely and privately exchange data through the use of a public and a private cryptographic key pair. 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 May:

- [Airport Officials Urge FCC AeroMACS Rules](#)
- [ICAO Secretary General discusses prospects for civil aviation](#)
- [FAA Awards \\$898.9 Million in Airport Improvement Grants](#)
- [DigiCert selected to provide PKI-based security services for the TIP OpenWiFi initiative](#)
- [Executive Cybersecurity Forum for Electric Power](#)
- [Restarting aviation: How proactive forecasting and planning will lead the way to recovery](#)
- [Air traffic management: From crisis to crisis](#)
- [EUROCONTROL Forecast Update 2021-2024](#)
- [RTCA May 2021 Digest](#)
- [Airport Officials Urge FCC AeroMACS Rules](#)
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- [Executive Cybersecurity Forum for Electric Power](#)
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- [Air traffic management: From crisis to crisis](#)
- [EUROCONTROL Forecast Update 2021-2024](#)
- [RTCA May 2021 Digest](#)
- [AeroMACS authorized to operate in Brazil](#)

- **Calculation of AeroMACS Spectrum Requirements Based on Traffic Simulator**
- **Securing the Electric Vehicle Charging Infrastructure**
- **IATA Data Suggests Air Travel Bouncing Back**
- **How many VMCs your organization will need?**
- **China Eastern Airlines Sees a Huge Travel Demand**
- **Europe's airspace users expected to cover up to €5.4bn in lost ANSP revenues through higher ATC charges beginning in 2023**
- **Industry 4.0 Conference 2021**
- **ACI World shows economic fundamentals are the benchmark for recovery**
- **The importance of government and industry partnerships in global cyber resilience**
- **Xi'an Regional Control Center participates in the aviation 5G AeroMACS development and application seminar**
- **DigiCert Security Summit Highlights Growth, Innovation Amid Pandemic**
- **Leonardo reports strong first quarter, despite aerostructures woes**
- **How Google Is Helping Siemens IIoT Ambitions**
- **Telrad Acquires WaveIP Business Operations and WipAir Portfolio**
- **IOTSWC becomes the global event on key technological solutions that will change the game for all industries**
- **March Domestic Demand Sees Upsurge but International Travel Still Largely Shutdown**
- **There's a new boss at the FCC. Let's talk about the internet, shall we?**
- **Investing KRW 344.9 billion in navigation facilities... Increase the safety of the sky road**
- **ATCA Blue Skies Initiative Survey - Spring 2021**
- **Digitalisation, sustainability and resilience: The keys to recovery**
- **6 reasons to automate PKI to increase productivity in 2021**
- **US aviation giants hope to gain more market in China**
- **IATA: "Now or Never" for Single European Sky**
- **ACI World Director General: 'Aviation industry interdependence key to recovery'**
- **China slightly eases international flight suspension rules**
- **April 2021 WiMAX Forum Monthly Newsletter**



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