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INTRODUCTION

Dear Respected Colleagues,

The **WiMAX Forum** with the participation and 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.

Last month, the **World ATM Congress** in consultation with the government of Spain, and with the nearly 100 companies already contracted to exhibit, have confirmed that World ATM Congress 2021 will take place as a live, in-person event at IFEMA Madrid 26 – 28 October 2021. The WiMAX Forum plans to participate and we would be happy to schedule a meeting with you while in Madrid. As details are finalized, we will be certain to keep you informed. For more information, please visit: <https://www.worldatmcongress.org/home>.

This month, **SESAR Joint Undertaking** published the **Consolidated Annual Activity Report**. AeroMACS is part of the report under "Future communication infrastructure services." Described as an aviation infrastructure enabler, AeroMACS with its large bandwidth and high throughput, provides better support to ATN/AOC data traffic and can easily support the increasing level of automation expected of ATM services on the airport surface, offering good business opportunities to airlines/AUs. The security features offered by AeroMACS can offer valid protection against intentional attacks and, as a result, this solution is highly beneficial in terms of safety.

The WiMAX Forum is well positioned to develop opportunities to grow business and leverage its stakeholders. While we achieve important milestones and market growth, we see concrete results from our efforts. We have been working continuously to leverage our services and position AeroMACS and WiMAX technology ahead. We have been offered to publish an AeroMACS article in a well know magazine and we are looking for organizations interested in contributing with it. Please contact us at Info@wimaxforum.org and we will be happy to speak with you about this opportunity.

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. 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.org, [YouTube Channel](#) and Social Media ([Facebook](#), [LinkedIn](#) and [Twitter](#)).

Please reach out to us directly at Info@wimaxforum.org if you have any questions or comments. We at the WiMAX Forum wish you a fruitful end of the month, a prosperous August, and we 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.

- **SESAR JU Consolidated Annual Activity Report**

For more than a year now, aviation and air traffic management have been faced with challenges that are unprecedented in the history of commercial air travel. The current crisis has equally put a lot of pressure on the European air traffic management system, reminding us again how critical it is for aviation to have an operating environment that is scalable as well as more robust, efficient and sustainable.

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

- **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](#).

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 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>MADRID, SPAIN, IFEMA, FERIA DE MADRID 26 – 28 OCTOBER 2021</p> | <p>October 26-28, 2021 Madrid, Spain For more information visit: World ATM Congress</p> |
|  | <p>May 10-12, 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 **WiMAX Forum Working Groups** are key to the development of WiMAX technology and participation is open to all WiMAX Forum Members.

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 Aviation Working Group (AWG) acts as a focal point for Worldwide Aviation Industry interest in AeroMACS as a technology for Aviation Applications on a global basis by defining requirements and technology profiles that drive the network and air interface specifications and certification for AeroMACS networks and products to ensure the development of a healthy eco-system of interoperable Aviation centric product solutions.

AWG members and industry experts are making great strides to advance 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 working closely with ICAO and other organizations so that security policies produced in the near future can serve as guidelines to other groups in the industry that are planning AeroMACS deployments as well as serving as a PKI model for other Aviation technologies. AeroMACS has demonstrated in the past years the immense potential and benefits as the technology selected to support the safety and regularity of flights.

While Siemens 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 continue to work 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 July:

- **[World ATM Congress 2021](#)**
- **[European aircraft movements rising: Eurocontrol](#)**
- **[DigiCert Document Signing Manager leverages PKI to advance electronic signatures](#)**
- **[Aviation industry facing headwinds](#)**
- **[FCC to Establish Innovation Zone for UAS Spectrum Experiments](#)**
- **[Stark impact of COVID-19 on global traffic persists amid improving outlook](#)**

- **Airline industry not assertive enough in early days of Covid-19: IATA chief**
- **RTCA July 2021 Digest**
- **China's civil air transport sees continuous recovery**
- **View from the top**
- **New Eurocontrol Data Shows Airlines Increasingly Becoming Targets for Cyber Attacks**
- **IATA chief Willie Walsh talks about airline industry's prospects**
- **Chinese domestic aviation returns to pre-epidemic level: CAAC**
- **The CFO of Siemens USA explains how finance digitalization presents challenges and opportunities**
- **Airline recovery around the world during COVID-19: Which countries are bouncing back?**
- **The IOT Solutions World Congress will be held in May 2022 to allow for wider participation**
- **Passenger enthusiasm for flying dampened by quarantine rules**
- **SESAR JU Consolidated Annual Activity Report**
- **Market strategies of 5 major industrial network devices / Siemens**
- **FAA Awards Nearly \$845M to Build More Accessible, Environmentally Friendly and Modern Airports**
- **Summer Has Arrived: Europe Sees Huge Increase In Flights**
- **ICAO Cites 2021 As Official 'Year Of Security Culture'**
- **Marginal Improvements in May Travel Demand**
- **Leonardo and Tinexta to support the digitisation of national industrial processes with cyber security and digital trust**
- **5th IoT Global Innovation Forum**
- **Global Airport Sector Needs \$2.4 Trillion Investment, New Forecast Says**
- **How is Automation Helping in Security?**
- **FAA Provides \$8 Billion in Airport Rescue Grants**
- **New decisions at ICAO Council's 223rd Session support aviation's recovery and development**
- **IATA Economics' shows differences of the operating conditions**
- **FCC, NTIA, USDA Sign Interagency Pact on Broadband Funding Deployment**
- **The Brazilian Department of Airspace Control (DECEA) joins EUROCONTROL EAD for the provision of NOTAM and Flight Briefing Services**
- **ACI member airports provide direct input on aviation development to ICAO**

- [China Opens Another New Mega Airport In The City Of Chengdu](#)
- [June 2021 WiMAX Forum Monthly Newsletter](#)



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