

The header features a dark blue background with a glowing green and blue 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

AUGUST 2021

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## INTRODUCTION

Dear Respected Colleagues,

Although it seems like much of the world in the Northern Hemisphere is away enjoying the summer Holidays, the **WiMAX Forum** with the participation and collaboration of our **Board of Directors**, **Member Companies**, **Working Group Representatives**, and industry experts continue working to increase awareness, support and advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

Last 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. To read the complete report, please visit: <https://www.sesarju.eu/>.

This month, we have been busy preparing to host, attend, and participate at very important meetings and events, in person and virtually to continue bringing the highest value to our Membership as the market share further expands. In preparation for these meetings, the WiMAX Forum is conducting a quick poll regarding your travel restrictions and in-person meeting plans. The poll is hosted in the WiMAX Forum LinkedIn page and you can participate by clicking on the box below.

[Take This Poll](#)

Please let us know, if you are planning to travel this year to go to face-to-face meetings and conferences. Your feedback is greatly appreciated and will assist with our planning for the remainder of 2021 and beginning of 2022.

To foster a prosperous environment and the future of the WiMAX ecosystem, the WiMAX Forum and our Member Companies will participate globally at key industry events. Through our participation in events, seminars, webinars, and other meetings we are reaching out to diverse audiences in ways that will best serve all stakeholders, and we will continue the pace throughout the year. 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>.

Please stay tuned and for more information, visit our website at [WiMAXForum.org](https://www.wimaxforum.org), [YouTube Channel](#) and Social Media ([Facebook](#), [LinkedIn](#) and [Twitter](#)).

Please reach out to us directly at [Info@wimaxforum.org](mailto:Info@wimaxforum.org) if you have any questions or comments. We at the WiMAX Forum wish you all a great rest of the month 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.

- **Prospects for advanced technology of civil aircraft**

Today's Smart Civil Aviation Conference, aircraft are indispensable. The development of our aircraft must follow the development of civil aviation, so I want to talk about how to adapt to the future development of civil aviation from the perspective of aircraft. The name is Advanced Technology Prospects. I want more It is applicable to our operations, future smart travel and new generation aircraft. Let's share with you.

**To read the translated news, please click [here](#).**

- **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](#).**

## 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>3rd Annual MarketsandMarkets Industry 4.0: Cybersecurity &amp; IIOT Virtual Conference 23rd - 24th September 2021</p>	<p><b>September 23-24, 2021</b> Virtual Conference For more information visit: <a href="#">Industry 4.0 Conference 2021</a></p>
 <p><b>World ATM Congress</b>  MADRID, SPAIN, IFEMA, FERIA DE MADRID 26 – 28 OCTOBER 2021</p>	<p><b>October 26-28, 2021</b> Madrid, Spain For more information visit: <a href="#">World ATM Congress</a></p>
 <p><b>IOT SOLUTIONS WORLD CONGRESS</b></p>	<p><b>May 10-12, 2021</b> Barcelona, Spain For more information visit: <a href="#">IoT Solutions World Congress</a></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](mailto: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 and participation is open to all WiMAX Forum Members. 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 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.

AWG members and industry experts continue to work 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 is gaining momentum, achieving important milestones 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.

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 Smart Energy Working Group (SEWG) acts as a focal point for Mining, Oil and Gas, and Utility interests in WiMAX as a technology for Smart Energy Applications, and will promote WiMAX as the premiere technology for Smart Energy Applications on a global basis. The WiMAX Forum and 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](http://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](mailto: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 August:**

- **[A conversation with the Secretary General of ICAO](#)**
- **[Formal Security Verification of the Station-to-Station based Cell-attachment Procedure of LDACS](#)**
- **[RTCA August 2021 Digest](#)**
- **[Perils of DIY Private PKI](#)**
- **[Airports Council Applauds Senate Passage of Bipartisan Infrastructure Bill](#)**
- **[IDC MarketScape Names Siemens as a Global Industrial IoT Platform Leader](#)**
- **[Air traffic picks up but Europe's airports dependent on debt](#)**
- **[Successfully Applying The "It Takes A Village" Approach To IoT Security](#)**
- **[Prospects for advanced technology of civil aircraft](#)**
- **[The airport of the future is on the horizon](#)**
- **[An interview with ICAO Bureau Director Mohamed Khalifa Rahma](#)**
- **[Airlines struggle through the worst year on record](#)**
- **[DigiCert Launches New Signing Service to Verify ID, Prevent Modification](#)**
- **[ACI Europe: First half of 2021 data shows passenger traffic in downward spiral year on year](#)**
- **[SITA and Siemens to equip new smart terminal at Kansas City Airport](#)**
- **[EUROCONTROL and Brazil publish joint report comparing operational ANS performance](#)**
- **[RTCA Webinar: Airports - Critical Components in Future Transportation Infrastructure](#)**
- **[Document Signing Benefits Businesses By Boosting Security and Efficiency](#)**
- **[IATA's June air travel figures doubtful of recovery](#)**
- **[New tool assists airports to plan capacity increases as recovery continues](#)**

- **Overseas aviation enterprises look to expanding presence in China**
- **Aviation Recovery Impacted by Lack of Global Synchronisation**
- **Airline Industry Statistics Confirm 2020 Was Worst Year on Record**
- **Juan Carlos Salazar of Colombia begins mandate as ICAO Secretary General**
- **Is The US Getting Closer To Reversing Its Travel Ban?**
- **Accelerating digital innovation via a EUROCONTROL Innovation Hub**
- **The Devil Is in the Details**
- **Siemens CEO Roland Busch on combining the real and digital worlds**
- **FCC to Re-Establish Technological Advisory Council, Solicits Membership Nominations**
- **FAA Awards Nearly \$2 Million to Embry-Riddle Drone Safety Project**
- **The industry must work together as a family**
- **Leonardo: New Orders at € 6.7 bn**
- **COVID-19's impact on long-term traffic forecasts**
- **July 2021 WiMAX Forum Monthly Newsletter**



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