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INTRODUCTION

Dear Respected Colleagues,

In these past weeks since our last Newsletter, the **WiMAX Forum** leadership has been producing important work to increase awareness, support and advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology with the collaboration and participation of its **Board of Directors, Member Companies, Working Group Representatives**, and industry experts. We have much going on, which we feel is directly relevant and value-added to the Membership and industry.

Last month, the WiMAX Forum hosted the first **AeroMACS Session** of 2021 at the **World ATM Congress** in Madrid, Spain. After a turbulent year and a half, we were delighted to bring participants from around the world to share their AeroMACS expertise and raise awareness about the value of this secure and standardized wireless broadband technology to support the safety and regularity of flights on the airport surface. Participant companies included: **ANA - Aeroportos de Portugal**, **DigiCert**, International Civil Aviation Organization (**ICAO**), **Leonardo Company** and **Siemens**.



This month, on November 6, during the ACI-NA Planning, Safety, Infrastructure, & Development (OPSID) Committee Workshop, **Chris Oswald** at ACI-NA and **Declan Byrne** at WiMAX Forum provided brief updates on the current efforts to get the FCC to approve use of AeroMACS wireless communications technology and reduce restrictions on the use of airside surface vehicle squitters to improve airport safety and improve airside data communications resiliency. The **ACI-NA Annual Conference and Exhibition** took place on November 6-9, in Reno, Nevada.

The next few months promise much progress with the return of face-to-face meetings and conferences. To foster a prosperous environment, 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 March 18, 2022** at 01:15 PM, the WiMAX Forum President, Declan Byrne will discuss "Why is security important to the Aviation Industry of Things?" at the Industry of Things World USA - World Café Roundtable. Declan will go into more details on the Aviation Industry of Things and Aviation Security Requirements. The Industry of Things World USA will take place on March 17-18, 2022 at the Paradise Point Resort in San Diego, California. For more information, please visit: [Industry of Things World USA 2022](#).

We will continue participating in important meetings and events, in person and virtually to bring the highest value to our Membership as the market share further expands. 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 and we would be happy to schedule a time to speak with you. Enjoy the rest of the month and we hope to see you very 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 Solutions Catalogue 2021: Fourth edition**

The SESAR Joint Undertaking has published the fourth edition of the SESAR Solutions Catalogue, charting progress in developing the technological and procedural solutions needed for delivering the Digital European Sky. The solutions captured in this latest edition offer a pathway towards recovery, and a smarter and more sustainable air transport system in Europe.

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

- **Fasten Your Seatbelt, AeroMACS Is Taking off to Go to World ATM Congress**

WiMAX Forum and Member Companies to Host AeroMACS Presentations in Madrid. The WiMAX Forum®, the leading nonprofit organization that certifies

and promotes the compatibility and interoperability of broadband wireless products based upon IEEE Standard 802.16, is pleased to announce the fifth annual AeroMACS 2021 - Madrid collocated with World ATM Congress on Tuesday, 26 October at 16:30 at the Aireon Spotlight Stage on the exhibition floor located at IFEMA – Feria de Madrid Convention Centre.

To read the complete press release, 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 Annual Smart Cities Technology Symposium & Exhibition January 18-19, 2022 • Chicago</p>	<p>January 18-19, 2022 Chicago, Illinois For more information visit: Smart Cities International Symposium</p>
 <p>INDUSTRY OF THINGS WORLD USA</p>	<p>March 17-18, 2022 San Diego, California For more information visit: Industry of Things World USA</p>
 <p>28th Convergence India Expo 23-25 March 2022 Pragati Maidan, New Delhi</p>	<p>March 23-25, 2022 New Delhi, India For more information visit: Convergence India</p>
 <p>IOT SOLUTIONS WORLD CONGRESS</p>	<p>May 10-12, 2022 Barcelona, Spain For more information visit: IoT Solutions World Congress</p>
 <p>3rd Annual MarketsandMarkets Industry 4.0: Cybersecurity & IIOT Virtual Conference 23rd - 24th September 2021</p>	<p>May 19-20, 2022 Virtual Event For more information visit: Industry 4.0 Conference</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 info@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 to address critical areas, produce technical requirements, develop technical specifications, advise the Forum and bring Certified products to the marketplace. The **WiMAX Forum Working Groups** are key to the development of WiMAX technology and participation is encouraged for all WiMAX Forum Members.

The Working Groups are focused on a number of activities to promote growth, innovation, accelerate the adoption, deployment and expansion of the **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. And the Smart Energy Working Group (SEWG) acts as a focal point for Smart Energy Applications, and will promote WiMAX as the premiere technology on a globally.

AWG members and the aviation industry have been collaborating to support and advance a number of AeroMACS projects including: development and maintenance of specifications related to AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), Federal Communications Commission (FCC) AeroMACS Petition for Rulemaking, In-person and Virtual Conferences, Webinars and other initiatives to support AeroMACS as the standard selected to improve communications at the airport surface.

AeroMACS has proven to have the characteristics needed to greatly improve operations at the airport surface, as the technology selected to support the safety and regularity of flights. AWG members work closely with the [ICAO](#) and other organizations so that security policies and specifications produced 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 is a high-performance secure airport data link technology, globally harmonized and identified by ICAO to support the Future Communication Infrastructure (FCI).

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. Strategic guidance for the AeroMACS PKI Program is provided by the AeroMACS Advisory Council (AAC), which is a collaborative body comprised of Members of the WiMAX Forum and ICAO. The AAC promotes effective public-private dialogue consistent with the AeroMACS Certificate Policy and ICAO policies, thereby helping promote optimum interoperability and trust among Participants. AeroMACS PKI is commercially available and an overview of the AeroMACS PKI process is available here: [AeroMACS PKI Users Overview](#).

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 are 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: [WiMAX Forum Working Groups](#).

Participation by industry experts and organizations is crucial to 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 November:

- [RTCA Interview with Chris Oswald, ACI-NA](#)
- [2021 State of PKI](#)
- [Modest recovery for passenger traffic](#)
- [The FAA says 5G could interfere with planes: Is its concern actually warranted?](#)
- [ACI's World Airport Traffic Report reveals domestic traffic leading recovery](#)
- [U.S. Scheduled Passenger Airlines Employ 0.7% More Employees in September 2021 than in August, Still 8.8% Fewer than Pre-Pandemic September 2019](#)
- [Domestic carriers may be further hurt by stricter flight policy in Beijing](#)
- [Siemens ranks global number one in sustainability](#)
- [Leonardo confirmed among leaders in the Dow Jones Sustainability Indices](#)
- [A Survey of Wireless Networks for Future Aerial COMMunications \(FACOM\)](#)
- [Automating PKI certificate management alleviates outages caused by boom](#)
- [IATA Boss 'Optimistic' about Rebound in Air Travel as U.S. Opens Up](#)
- [Palo Alto Networks Teams With Siemens on Critical Infrastructure Cybersecurity](#)
- [EUROCONTROL data reveals recovering flights and increasing delays](#)
- [Why The FAA And IATA Are Worried About 5G Affecting Planes](#)
- [President Biden's FCC Appointees Could Shape Future Internet Access](#)
- [Ongoing Impact of COVID-19 Weakens Aviation Recovery Momentum](#)

- **ANA Wants The Japanese Government To Make International Travel Easier**
- **Main Outcomes of ICAO CNS SG/25**
- **FAA issues warning on potential safety risks from 5G C-band**
- **Moderate Rebound in September Passenger Demand**
- **Spotlight: Automation Beckons as DevOps, IoT Drive PKI Explosion**
- **Aviation industry welcomes ICAO Ministerial Declaration**
- **Leonardo: Growing Nine Months Results**
- **Siemens named a "Leader" in Industrial Internet-of-Things Software Platforms Q3 2021 Report**
- **Airlines to cut int'l passenger flights to and from China for new season**
- **Extended restrictions to cost Asia-Pacific airports \$34 billion of revenue in 2021**
- **World ATM Now Newspaper Day 1 Issue**
- **Ministers adopt important commitments to help restore international travel and trade**
- **IATA: We Need to Continue Building Resilience Post Pandemic**
- **What to know about Jessica Rosenworcel, who was nominated to become 1st woman to lead FCC**
- **L-band Digital Aeronautical Communications System (LDACS)**
- **What Is IoT Security? Insights & Tips from 11 IoT Experts**
- **ACI Europe warns of tough challenges ahead for airports**
- **How China's airport plans will make it the world's largest passenger market**
- **October 2021 WiMAX Forum Monthly Newsletter**



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