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INTRODUCTION

Dear Respected Colleagues,

The **WiMAX Forum** with the collaboration and support of our **Board of Directors, Member Companies, Working Group Representatives** and industry experts continue producing important work to promote growth, innovation and advance the Aeronautical Mobile Airport Communication (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

We have seen important progress and concrete results from our activities in the industrial markets, which have provided excellent exposure, reception, and engagement. While we achieve important milestones and market growth, we see concrete results from our efforts and activities. We will continue working to leverage our services and position the WiMAX technology with the expectation that the market share will expand and succeed.

The WiMAX Forum is excited to announce another great event season this year. Through our events, speaking opportunities, and webinars, we are reaching out to diverse audiences in the WiMAX community in ways that will best serve all stakeholders. Here is the summary of an upcoming event that we are participating during the coming months:

- **On March 21, 2023** the WiMAX Forum President, Declan Byrne will discuss "Why is security critical 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 19-21, 2023 at the Paradise Point Resort in San Diego, California. For more information, please visit: **Industry of Things World USA 2023**.
- **On April 18-20, 2023** at the ICNS Conference, the WiMAX Forum President, Declan Byrne will present "Smart Connected Operations to Foster Innovation at the Airport Surface." The ICNS Conference will take place on April 18-20, 2023 at Westin Washington Dulles Airport, Herndon, Virginia, USA. As details concerning this event are finalized, we will be certain to keep you informed. For more information, please visit: **ICNS 2023**.
- **On June 27-28, 2023** the WiMAX Forum will participate at the Connected Manufacturing Forum 2023. The Connected Manufacturing Forum is where you will benchmark your digital enterprise strategy, create your blueprint, promote effective change management and learn how to become a smarter, more connected manufacturer. As details concerning this event become available, we will be sure to communicate them to you. For more information, please visit: **Connected Manufacturing Forum 2023**.

While we have productive conversations and develop winning strategies, we see concrete results from our activities with the expectation that the market share will expand and succeed. The demand is undoubtedly out there, and the opportunities to leverage the technology with the development of technical specifications, certification and spectrum access solutions based on globally harmonized standards will result in a brighter future.

Over the coming months we will be doing some of our most important work yet, and we hope you can be part of it. The WiMAX Forum is maintaining a blistering schedule of valuable activities and plans to meet with industry leaders worldwide to raise awareness, develop and implement AeroMACS and WiMAX networks in ways that will best serve all stakeholders. Please stay tuned for other announcements soon 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 for more information and we would be happy to schedule a time to speak with you. We look forward to continuing to work with you in 2023!

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.

• **Implementation of A-SMGCS Level 5 to Strengthen Runway Safety in Response to the Recovery of Aviation Demand**

The purpose of the paper is to introduce the experience of A-SMGCS Level 5 implementation process to strengthen runway safety and improve airport capacity and discuss the need to revise ICAO regulations. Aerodrome control service environments are being developed remarkably using various methods such as electronic strips, A-SMGCS, or A-CDM to improve runway safety and airport capacity, but ground operation environments for pilots are still rely on voice communications, lighting, and signs as it used to be.

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

• **Spectrum Rules and Policies for the Operation of Unmanned Aircraft Systems**

A Proposed Rule by the Federal Communications Commission on 02/07/2023. In this document, the Federal Communications Commission (“FCC” or “Commission”) seeks comment on rules to promote access by unmanned aircraft system (UAS) operators to licensed spectrum to support UAS operations. Comments are due on or before March 9, 2023. Reply comments are due on or before April 10, 2023.

To review the details, 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.

Endorsed Events:

 INDUSTRY OF THINGS WORLD USA	March 19-21, 2023 San Diego, CA, For more information visit: Industry of Things World USA
 Convergence India Expo 27 28 29 March 2023 Pragati Maidan, New Delhi	March 27-29, 2023 New Delhi, India For more information visit: Convergence India
 ICNS CONFERENCE	April 18-20, 2023 Herndon, VA For more information visit: ICNS

	<p>April 25-27, 2023 Palm Springs, CA For more information visit: Field Service</p>
<p>7th Smart Cities International Symposium & Exhibition May 30-31, 2023 • Chicago</p> 	<p>May 30-31, 2023 Chicago, IL For more information visit: Smart Cities International Symposium</p>
	<p>June 27-28, 2023 Atlanta, GA For more information visit: Connected Manufacturing Forum</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 Working Groups** are key to the development of WiMAX technology and participation is encouraged for all WiMAX Forum Members. 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 have created a unique community which is successfully enabling cooperation and industry advancement. Traffic has been roaring back around the world, the Working Groups are scheduling key activities, planning and developing important projects for the months to come, and we need the help of your technical experts in these groups as the market share expands and succeed.

Leading the primary technical activities in the Forum, 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. Following the 6th meeting of the ICAO Data Communication Infrastructure Specific Working Group of the Communications Panel (CP-DCIWG), the WiMAX Forum and the Civil Aviation Administration of China's (CAAC) are continuing their work on a strongly supported project to support the enhancement of AeroMACS SARPs and Technical Manual through the inclusion of additional technologies. The team has completed a Term of Reference to outline the Further development of the project to take place in Working Group M in 2023. Industry technical experts are being encouraged to contribute to this development work in AWG and **ICAO** Working Group M. Please contact the AWG Executive Secretary to see how you can become involved in this important initiative.

In concert with the work in ICAO AWG members and industry representatives will work together on the AeroMACS NextGen initiative to expand the AeroMACS profile to include additional technologies by evaluating industry standards and the proposed inclusion of other technologies within the AeroMACS Private Network Spectrum, while recommending the necessary modifications to existing requirements. By opening the AeroMACS Profile to additional technologies, the AWG is helping to build a more robust market to facilitate the wide-spread deployment of AeroMACS worldwide as the leading

standardized technology selected to support the safety and regularity of flights.

AWG members and the aviation industry support a number of other AeroMACS projects and initiatives in addition to AeroMACS NextGen, including: the maintenance of technical requirements and 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 maximize the AeroMACS potential to thrive.

The **AeroMACS PKI** is commercially available to the industry planning AeroMACS deployments as well as serving as a PKI model for other Aviation technologies. AWG members work closely with the ICAO and the aviation industry to ensure that the produced security policies and specifications can be used as guidelines to other groups.

The AeroMACS PKI is provided by the WiMAX Forum in partnership with **Eonti** as the Management Authority (MA). 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, worldwide regulatory organizations and ICAO. 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 Smart Energy Applications. SEWG members work closely 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](#)**.

Working Group activity is integral to the success of the Forum, and your participation is important!

WiMAX FORUM NEWS

The WiMAX Forum 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 of the latest publications:

- **Implementation of A-SMGCS Level 5 to Strengthen Runway Safety in Response to the Recovery of Aviation Demand**
- **Shanghai Pudong Airport Capacity Evaluation Final Review Meeting Held Successfully**
- **Spectrum Rules and Policies for the Operation of Unmanned Aircraft Systems**
- **2023 ICNS Conference**
- **DigiCert Sets New Bar For Unified Management of Digital Trust**
- **NASA Reports Show Possible 5G Interference Issues**
- **Passenger Demand Recovery Continued in December 2022 & for the Full Year**
- **FAA Acting Administrator Billy Nolen Shares 2023 Priorities**
- **FCC Proposes Licensed Spectrum Access For UAS**
- **Chen Fu, deputy director of the Southwest Air Traffic Management Bureau, and his team went to the research and development base of the network company incubator to carry out research and guidance on innovation work**
- **ACI World calls on regulators to provide more support for airports**
- **Passenger travel still on the road to recovery**
- **FAA Says \$26 Million Needed To Cover Aircraft 5G Modifications**
- **It's official: Digital trust really matters to everyone online**
- **Eurocontrol Calls 2022 a 'Bounceback' Year, Sees 2025 Recovery**
- **December 2022 WiMAX Forum Monthly Newsletter**



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