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## INTRODUCTION

Dear Respected Colleagues,

The **WiMAX Forum** with the cooperation and support of its **Board of Directors, Member Companies, Working Group Representatives** and industry experts continue producing important work to promote growth, innovation, increase awareness and advance the Aeronautical Mobile Airport Communication (**AeroMACS**), **WiGRID**, and the **WiMAX** technology with the development of technical specifications, certification and spectrum access solutions based on globally harmonized standards. While we have productive conversations, we see concrete results from our activities with the expectation that the market share will expand and succeed.

Last month, on July 25-26, the WiMAX Forum participated at the **Connected Manufacturing Forum**. The WiMAX Forum President **Declan Byrne** hosted on Day 2 "The Future of Connectivity – 5G Broadband and the Advantages It Will Bring to Digital Manufacturing ... and When." Connected Manufacturing Forum took place in San Diego, CA.



To foster a prosperous environment and future for the AeroMACS and 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, and webinars, we are reaching out to diverse audiences in the community in ways that will best serve all stakeholders.

The WiMAX Forum has 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 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 at the WiMAX Forum wish you a prosperous September 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.

- **Radio spectrum: Safety-critical for aviation – but urgent action needs to be taken to avoid channel saturation & interference from other users such as 5G networks**

5G, the latest generation network technology for broadband cellular networks, is an essential part of Europe's digital transformation, delivering higher speed data with ultra-low latency. However, that comes at a price: new so-called midband 5G networks are introducing high-power terrestrial services among low-power radio spectrum users (satellite and aviation services).

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

- **Minimum Operational Performance Standards (MOPS) for the Aeronautical Mobile Airport Communication**


We are pleased to announce the publication of ED-223A|MOPS for the Aeronautical Mobile Airport Communication. ED-223A AeroMACS MOPS update addresses the required changes to ensure compatibility with other communication systems and standards. As an example MOPS part related to AeroMACS equipment adjacent channel emissions needs to be updated to protect UACS C2 channel.

**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:

 <p><b>Convergence India Expo</b></p> <p>27 28 29 <b>March 2023</b> Pragati Maidan, New Delhi</p>	<p><b>March 27-29, 2023</b> New Delhi, India For more information visit: <b>Convergence India</b></p>
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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](mailto: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.

Working Group Members and key organizations from around the world collaborate to promote growth, accelerate adoption, deployment and expansion of the **AeroMACS** and **Smart Energy** markets, through a number of initiatives including product innovation, certification and spectrum access solutions. The Working Groups are scheduling 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.

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 globally.

AWG members and the aviation industry continue to collaborate and support a number of key AeroMACS projects and initiatives including: AeroMACS NextGen, 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 AWG has announced in the past month the updated publication of AeroMACS MOPS. ED-223A/DO-346A was published by EUROCAE and RTCA respectively to address the required changes to ensure compatibility with other communication systems and standards.

AWG members and industry representatives have been collaborating to expand the AeroMACS profile to include additional technologies. The AeroMACS NextGen initiative is being strongly supported by AWG members as a recommendation to enable future communications infrastructure required to support current and emerging operating concepts. The AWG has participated recently at the International Civil Aviation Organization (**ICAO**) Data Communication Infrastructure Specific Working Group of the Communications

Panel (CP-DCIWG) and presented the working paper “Enhancement of AeroMACS SARPs and Technical Manual” to advance this effort.

The AWG has now started the process to evaluate industry standards and propose the 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.

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](#)**.

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](#)**.

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](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:**

- **CAAC'S Support for the Enhancement of AeroMACS SARPS and Technical Manual**
- **MarTech Interview With Dean Coclin, Sr. Director, Business Development at DigiCert**
- **Where to next for European aviation?**
- **Situational Awareness: Critical for Airlines' Emergency Preparedness and Response**
- **New funding to boost Calgary International Airport's recovery efforts**
- **Japan Relaxes COVID Test Rules For Fully Vaccinated Travelers**
- **What is ICAO's Safety Fund and how does it help us improve civil aviation safety?**
- **UPDATE 2-Spain's Aena wins largest block in Brazil airport auction**
- **Your IT must have: All-encompassing Digital Trust**
- **Japan nears 196 million mobile customers in June**
- **Airlines Clamor for Clarity on Altimeter Upgrades for 5G**
- **Traffic at European airports soars 247% in H1 2022**
- **New Federal Grant Will Help Boeing, Other Employers, Train Hundreds in Cybersecurity**
- **Recovery hopes for aviation as more global flights restart**
- **Brazil: eight airports supporting local economic growth**
- **2022 ICAO Safety Report presents positive results**
- **Aviation Safety and Air Navigation Standardization**
- **International Passenger Demand Triples in June – IATA**
- **Why Digital Trust Is Fundamental For The Future Of The Internet**
- **Aviation is facing a rising wave of cyber-attacks in the wake of COVID**
- **On the comeback trail**
- **Industry Balks At The FAA's 5G Risk-Mitigation Plan**
- **China Reopens Beijing For International Flights**

- **Convergence India**
- **Stars gather at the air traffic control event: the 3rd Civil Aviation Air Traffic Management Science and Technology Exchange Conference**
- **DigiCert Simplifies Implementing Digital Trust**
- **FAA Releases US\$1bn of Infrastructure Funds to US Airports**
- **Final data released: Top 20 busiest airports confirmed**
- **Strong Passenger Demand Continues in June**
- **FCC, NTIA Ink Agreement on Spectrum Coordination**
- **China's CAAC says aviation sector lost US\$16 billion in first six months as COVID policy saps travel**
- **Have you signed up for your free access to our eLibrary?**
- **NextGen Performance Reporting and Benefits**
- **Securing PKI and Machine Identities in the Modern Enterprise**
- **China Throws USD1.6 Billion Lifeline to Four Covid-Hit Aviation Giants**
- **ACI urges flexible regulatory policy to boost air travel**
- **European Air Traffic Has Yet to Reach 2019 Levels**
- **ATCA and Kenes Partner to Host Global Airspace Integration Event in Madrid**
- **Airfares Will Continue to Rise, IATA Chief Says**
- **July 2022 WiMAX Forum Monthly Newsletter**



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