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## INTRODUCTION

Dear Respected Colleagues,

As 2022 comes to a close, we want to take a moment to express our sincere gratitude and thanks for your unflagging support and enthusiasm. Your insights, wisdom and unceasing support allow us to represent the technology – taking WiMAX forward into new and exciting directions.

Thanks specially to the generosity, commitment and contributions of our [Board of Directors](#), [Member Companies](#), [Working Group Representatives](#) and industry experts, we were able to continue the expansion of our services, achieving significant milestones through collaboration to promote growth, innovation, increase awareness and advance the Aeronautical Mobile Airport Communication ([AeroMACS](#)), [WiGRID](#), and the [WiMAX](#) technology.

This coming year promises further momentum. We will continue to push forward, hosting and participating in a number of industrial events – with the expectation that these markets will continue to increase in value as WiMAX's market share continues to expand. 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.

• **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](#).

The WiMAX Forum has been invited once again to 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.

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](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) for more information and we would be happy to schedule a time to speak with you. We wish you a healthy and happy holiday season, and we look forward to speaking with you soon 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.

### • **The Thirty-Third Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group**

The Secretariat presented updates on Beijing Declaration Commitments proposing to review the current status of the APAC States' commitments in the field of Air Navigation Systems, specifically Aeronautical Information Management (AIM), Performance Based Navigation (PBN), ground telecommunication infrastructure (CRV), ADS-B, ATFM / Collaborative Decision Making (CDM), and National Air Navigation Plan (NANP).

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

### • **CAAC'S Support for the Enhancement of AeroMACS SARPS and Technical Manual**

With the support of the Civil Aviation Administration of China (CAAC), the AeroMACS Forum presented a Working Paper in the 5th CP-DCIWG meeting (17-20 May 2022), proposing an initiative to revise the AeroMACS SARPs and Technical Manual (Doc 10044) to be less restrictive or specific to technology





profiles like 802.16, so as to give the ecosystem the flexibility to provide AeroMACS services using any additional technology (e.g., LTE, 5G) that meets the minimum performance characteristics and capabilities of AeroMACS.

**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>January 31–February 2, 2023</b> Barcelona, Spain For more information visit: <a href="#">IoT Solutions World Congress</a></p>
	<p><b>March 19-21, 2023</b> San Diego, CA, For more information visit: <a href="#">Industry of Things World USA</a></p>
	<p><b>March 27-29, 2023</b> New Delhi, India For more information visit: <a href="#">Convergence India</a></p>
	<p><b>April 25-27, 2023</b> Palm Springs, CA For more information visit: <a href="#">Field Service</a></p>

**7th Smart Cities  
International Symposium  
& Exhibition**  
May 30-31, 2023 • Chicago



**May 30-31, 2023**  
Chicago, IL  
For more information visit:  
[Smart Cities International  
Symposium](#)

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 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 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 Job Card to support the enhancement of AeroMACS SARPs and Technical Manual through the inclusion of additional technologies. Further development of the Job Card will 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, and will promote WiMAX as the premiere technology globally. 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 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 December:**

- [Year End RTCA/EUROCAE Summit Delves into Spectrum Compatibility, Use, Awareness](#)
- [Minimum Operational Performance Standards \(MOPS\) for the Aeronautical Mobile Airport Communication](#)
- [Promote the establishment of 'AeroMACS' to prevent accidents in the airport movement area](#)

- CPDLC Coming of Age
- ACI Europe: Passenger Volumes in January 2022 Remained 45% Below Pre-Pandemic Levels
- Handbook on Radio Frequency Spectrum Requirements for Civil Aviation
- DigiCert outlines its vision to help customers manage trust across their digital footprint
- Conception and exploration of smart civil aviation
- 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
- The future of 5G: What’s left to do, and what lies ahead in 6G?
- Aviation Safety and Air Navigation Standardization
- How the FCC Settles Radio-Spectrum Turf Wars
- DigiCert Releases Cybersecurity Predictions for 2023 and beyond
- How does AeroMACS and WiMAX use PKI to ensure trust?
- CAAC’S Support for the Enhancement of AeroMACS SARPS and Technical Manual
- 5G application of civil aviation in China has different regulatory attitudes between China and the United States
- How Security Can Keep Pace as IT and OT Converge
- Aeronautical Networks for In-Flight Connectivity: A Tutorial of the State-of-the-Art and Survey of Research Challenges
- The Latest 5G C-Band Interference on Radio Altimeters Research, Testing and Technology Updates
- Internet Protocol Suite (IPS) ecoDemonstrator Validation and Development Update
- Liu Weiwei, General Manager of ATG Products, ZTE Corporation
- EUROCONTROL Aviation Outlook 2050
- Star-gathered air traffic control event: The 3rd Civil Aviation Traffic Management Science and Technology Exchange Conference
- AIP Aeronautical Information Publication United States of America
- New EU Law Tries to Provide 5G Networks for Planes
- Almost half of customers have left a vendor due to poor digital trust: Report
- Airlines Cut Losses in 2022; Return to Profit in 2023
- CAAC Issues the “Action Plan for In-depth Reform in Civil Aviation”
- International Civil Aviation Day highlights air transport innovation
- In conversation with Billy Shallow, ACI World



- [VINCI becomes largest shareholder in Mexican airport operator OMA](#)
- [IoT Solutions World Congress](#)
- [The Thirty-Third Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group](#)
- [The Importance of Securing IoT Devices](#)
- [Aviation Sector in US Calls for 5G Wireless Deadline Extension](#)
- [Asia-Pacific priorities in the post-pandemic world](#)
- [Air passenger demand likely to double over 20 years: ACI](#)
- [Smart Cities International Symposium](#)
- [First International Forum on China Civil Aviation Standardization Held in Beijing](#)
- [November 2022 WiMAX Forum Monthly Newsletter](#)



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