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## INTRODUCTION

Dear Respected Colleagues,

We at the **WiMAX Forum** hope that your 2022 is off to a great start! With the cooperation and support of our **Board of Directors, Member Companies, Working Group Representatives**, and industry experts, we will continue the expansion of our services and produce important work and advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

To foster a prosperous environment and future for the 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 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 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.

If you are planning to attend the event and didn't register yet, please contact us at [info@WiMAXForum.org](mailto:info@WiMAXForum.org) to receive a **complimentary registration**. For more information, please visit: Industry of Things World USA 2022. For more information, please visit: **Industry of Things World USA 2022**.



- On **April 5-7, 2022** at the ICNS Conference, the WiMAX Forum President, Declan Byrne will present "Efficient Spectrum Management Practices for the

Aviation Industry." As details concerning this event are finalized, we will be certain to keep you informed. For more information, please visit: [ICNS 2022](#).

The WiMAX Forum will continue to increase awareness of, educate, and meet with industry leaders worldwide about implementing and developing AeroMACS and WiMAX networks in ways that will best serve all stakeholders. We will continue attending, and participating at key industry events to bring the highest value to the WiMAX community. 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](mailto:info@wimaxforum.org) if you have any questions or comments and we would be happy to schedule a time to speak with you. We look forward to continuing to work with you in 2022!

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.

- **CNS/ATM Part 2 New Entrants**

In the domain of air traffic management (ATM), communication, navigation, and surveillance (CNS) infrastructure is the foundation for the provision of air navigation services. As technology evolves, so must resilience, interoperability and the inclusion of new entrants. In this second part of our story on the evolution of CNS technology, we'll review the resilience of the CNS system, civil-military interoperability, and the progress for the inclusion of unmanned and suborbital operations as new entrants.

**To read the complete article, please click [here](#).**

- **How does AeroMACS and WiMAX use PKI to ensure trust?**

AeroMACS is a wireless technology used by major international regulatory bodies to support the safety and regularity of flight. It enables ground-to-aircraft communications at airports internationally. Aircraft IoT sensors secured by PKI transmit the information to towers and planes ensuring that

the communications are protected. WiMAX is also a broadband wireless technology that is used to provide broadband internet to large areas up to 30 miles compared to WiFi which only reaches up to 100 feet.

To read the article, 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:

|  |  |
|--|--|
|  <b>INDUSTRY OF THINGS WORLD USA</b>  | <b>AeroMACS Participation</b><br><b>March 17-18, 2022</b><br>San Diego, California<br>For more information visit:<br><b><a href="#">Industry of Things World USA</a></b> |
|  <b>28th Convergence India Expo</b><br><b>23-25 March 2022</b><br>Pragati Maidan,<br>New Delhi           | <b>March 23-25, 2022</b><br>New Delhi, India<br>For more information visit:<br><b><a href="#">Convergence India</a></b>  |
|  <b>ICNS CONFERENCE</b>   | <b>AeroMACS Participation</b><br><b>April 5-7, 2022</b><br>Herndon, Virginia<br>For more information visit:<br><b><a href="#">ICNS</a></b>                               |
|  <b>FIELD SERVICE</b> <b>VIEW AGENDA</b><br><b>April 26 - 28, 2022</b><br>JW Marriott, Palm Springs, CA | <b>April 26-28, 2022</b><br>Palm Springs, California<br>For more information visit:<br><b><a href="#">Field Service</a></b>  |
|  <b>IOT SOLUTIONS WORLD CONGRESS</b>  | <b>May 10-12, 2022</b><br>Barcelona, Spain<br>For more information visit:<br><b><a href="#">IoT Solutions World Congress</a></b>   |



**May 19-20, 2022**  
Virtual Event  
For more information visit:  
**Industry 4.0 Conference**

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.

The Working Groups have begun to lay out their roadmaps and schedule a number of activities to take place throughout the year and we need the help of your technical experts in these groups. Working Group Members collaborate with various organizations to promote growth, innovation, and 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.

The AWG has been collaborating with the aviation industry to harmonize RTCA and EUROCAE Specifications. Additionally, AWG members have been discussing AeroMACS requirements, specifications and standards to ensure a robust market and adaptable to changes.

The AWG and the aviation industry continue to collaborate and support a number of key 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 leverage AeroMACS as the standard selected to improve communications at the airport surface.

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 International Civil Aviation Organization (**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 **Fonti** 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 February:**

- [CNS/ATM Part 2 New Entrants](#)
- [FCC, NTIA Agree to Formal Spectrum \(Management\) Sharing](#)
- [The Air Transport Monthly Monitor for January 2022](#)
- [Cybersecurity and automation: What will 2022 bring?](#)
- [Charter presses FCC to address IoT security](#)
- [IATA Sees Air Travel Recovery Momentum As Restrictions Lift](#)
- [ACI Head Sees Unity As Key To Recovery And Sustainability](#)
- [Field Service on April 26-28, 2022 in Palm Springs](#)
- [AeroMACS Participation at Industry of Things World USA on March 17-18, 2022](#)
- [Global airlines expect strong pick up in new job creation, says IATA](#)
- [Deployment of C-band 5G around airports](#)
- [Hillicon Valley – FCC nominee faces divided Senate panel](#)
- [Siemens seeing 'extraordinary' surge in orders as profit routs estimates](#)
- [ATCA Annual – back together again... virtually](#)



- **ALPA Rips FCC, Wireless Lobby Anew over 5G**
- **Leonardo suspends process to select a partner for its automation business**
- **The 2022 National Civil Aviation Work Conference Held**
- **It is time for airports to look beyond COVID-19**
- **Why does 5G only pose a problem for US airplanes?**
- **ICAO: International Capacity To Be Down At Least 35% In 2022 Vs. 2019**
- **Siemens to increase research and development spending – CEO**
- **FCC and FTC Nominations Delayed**
- **PODCAST: IEEE’s David Witkowski Talks 5G C-Band and Aircraft Radio Altimeter Interference**
- **EUROCONTROL Network Manager User Forum 2022**
- **Game-changing Technologies for Industry Transformation**
- **2021 global air passenger totals show improvement from 2020, but still only half pre-pandemic levels**
- **Spotlight: COVID, Cloud Sovereignty and Other 2022 Trends with DigiCert**
- **Statement on rollout of C-band 5G near airports in the U.S.**
- **Why Cybersecurity Remains The Top Tech Investment For Airlines In 2022**
- **FAA Statements on 5G**
- **EUROCONTROL and ACI EUROPE sign Memorandum of Understanding, signalling enhanced cooperation and joint commitment to aviation’s successful and sustainable future**
- **Roadmap for Smart Development in China’s Civil Aviation**
- **Field Service in Palm Springs This April**
- **January 2022 WiMAX Forum Monthly Newsletter**



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