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INTRODUCTION

Dear Respected Colleagues,

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

Last month, on June 1-3, the WiMAX Forum Member Company **CelPlan Technologies** exhibited at the **Connected Aviation Intelligence Summit**. Leonhard Korowajczuk, CEO/CTO at CelPlan Technologies made a presentation on "AeroMACS or How to Improve Customer Experience and Save the Aviation Industry Millions of Dollars." The Connected Aviation Intelligence Summit took place at the Hyatt Regency in Reston, Virginia. If you would like to receive a copy of the presentation, please **contact us**.



This 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 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.

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 wonderful end of month 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.

• **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](#).

• **CPDLC Coming of Age**

Data communications between pilots and air traffic controllers are designed to replace routine voice exchanges and to link an air traffic control agency's ground automation systems with flight deck avionics to support ATC clearances, instructions, traffic flow management inputs, and flight crew requests. However, as Aimee Turner reports, significant infrastructure issues still need to be resolved if European Controller Pilot Data Link Communications (CPDLC) are ever to fulfill their potential.

To read the entire publication, 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>July 25-26, 2022 AeroMACS Participation San Diego, CA For more information visit: Connected Manufacturing</p>
	<p>March 27-29, 2023 New Delhi, India For more information visit: Convergence India</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.

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 on a globally.

The key AeroMACS projects and initiatives that AWG members are working on include: 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 is pleased to announce 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. This 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. 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 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.

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 **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 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 July:

- [Implementation of 'AeroMACS' to prevent accidents in airport moving areas](#)
- [Government launches consultation on data centre, cloud security](#)
- [Iata chief hails return of air traffic but hits out at governments](#)
- [Acting U.S. FAA chief says air carrier performance improving](#)
- [ACI reveals upbeat outlook for passenger traffic despite "significant headwinds"](#)
- [China to further communicate with more countries to increase overseas flights](#)
- [5G Interference: The Risks And Systems Affected](#)
- [Looking ahead to ATCA Global](#)
- [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](#)
- [Why digital trust needs to be a strategic imperative for your company](#)
- ["Aviation 5G" empowers the growth rate of civil aviation operations](#)
- [L-band Digital Aeronautical Communications System \(LDACS\)](#)

- **FAA Issues Timetable for 5G Interference Mitigation**
- **Risks and uncertainties persist despite IATA's brighter economic outlook**
- **Airports Council Welcomes FAA Announcement About First \$1 Billion in Grants for Much-Needed Terminal Projects**
- **Republic of Korea initiatives provide significant platform for international aviation cooperation**
- **Minimum Operational Performance Standards (MOPS) for the Aeronautical Mobile Airport Communication**
- **Biden Administration Announces Nearly \$1B in Bipartisan Infrastructure Law Funding Improving Airport Terminals across U.S.**
- **Transforming Cybersecurity in an Age of Ransomware**
- **RTCA Summer Digest**
- **Head of airlines group IATA confident industry will return to profitability in 2023**
- **Elevating ICAO implementation support to accelerate aviation's safe, secure and sustainable recovery**
- **The CAAC Has A New Leader After More Than Six Years**
- **Eurocontrol Explains Why 5G Radio Altimeter Interference Risk is Lower in Europe Than US**
- **AeroMACS - WiMAX Forum Participation at the Connected Manufacturing Forum**
- **Standards Oversight Committee Acts on Emerging Technologies and Safety Oversight**
- **Eurocontrol lays out spectrum-efficiency strategies in wake of '5G' concerns**
- **Ensuring the safe rollout of 5G services**
- **CAAC to increase regular intl travel flights after two years of COVID restrictions**
- **Positive and immediate impact on global air travel demand as restrictions relax**
- **Gigi Sohn's FCC Prospects Fading Absent Senate Action ASAP**
- **June 2022 WiMAX Forum Monthly Newsletter**



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