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IN THIS ISSUE

- **Introduction**
- **Industry Spotlight**
- **Events**
- **Membership Services**
- **Working Groups**
- **WiMAX Forum News**

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, the WiMAX Forum received the registration approval for the AeroMACS WiMAX Forum Certified logo trademark. The WiMAX Forum offers certification for AeroMACS products at the AeroMACS Designated Certification Laboratory (ADCL) based on the requirements defined in aviation industry standards. For more information, please click [here](#).



This month, on June 1-3, 2022 the WiMAX Forum Member Company **CelPlan Technologies** exhibited at the **Connected Aviation Intelligence Summit**. Leonhard Korowajczuk - CEO/CTO - CelPlan Technologies made a presentation on "AeroMACS or How to Improve Customer Experience and Save the Aviation Industry Millions of Dollars." If you would like to receive a copy of the presentation, please [contact us](#). The Connected Aviation Intelligence Summit took place at the Hyatt Regency in Reston, Virginia.



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.

Next month, on July 25-26, 2022 the WiMAX Forum was invited to attend and participate at the **Connected Manufacturing Forum**. The WiMAX Forum President **Declan Byrne** will host on Day 2 (July 26) beginning at 1:10pm "Table 6 – The Future of Connectivity – 5G Broadband and the Advantages It Will Bring to Digital Manufacturing ... and When." Connected Manufacturing Forum will take place at the Rancho Bernardo Inn, in San Diego, CA.



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 great 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.

• 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](#).

- **ICNS Tech-Talk: Internet Protocol Suite (IPS) With Boeing**

Greg Saccone is a Technical Fellow, Airspace Operational Efficiency, at Boeing Research and Technology. Greg has 25+ years in the aeronautical datalink communication area. He works on advanced air traffic management concepts, research, operational trials, and implementation, specializing in data link communication and flight data processing. Regarding the IPS projects at Boeing, Greg leads both internal and joint industry research projects.

To view the complete presentation, 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:

| | |
|--|---|
|  Connected Manufacturing Forum | July 25-26, 2022 AeroMACS Participation San Diego, CA For more information visit: Connected Manufacturing |
|  March 2023 Pragati Maidan, New Delhi | March 27-29, 2023 New Delhi, India For more information visit: Convergence India |

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.

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

AWG members have been working in the development of various AeroMACS projects and activities including: 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 potential for AeroMACS.

AWG members along with industry representatives are collaborating to expand the AeroMACS profile to include additional technologies while continuing to harmonize RTCA and EUROCAE Specifications. The AWG recently participated 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. 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 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 initiative is being recommended by AWG members to enable future communications infrastructure required to support current and emerging operating concepts.

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 [Enti](#) 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 June:

- [**ICAO Assembly to Consider Topics That Impact Business Aviation**](#)
- [**IATA chief economist on the changing factors impacting airline profit hopes**](#)
- [**Wireless Carriers Agree To Extend 5G C-Band Mitigations**](#)
- [**House advances Advanced Aviation Infrastructure Modernization Act**](#)
- [**It's a pain to fly these days. The FAA and airlines are trying to fix that**](#)
- [**Back to facts on airport charges: ACI World response to statements at IATA AGM**](#)
- [**CAAC held a special video conference on actively expanding effective investment in civil aviation infrastructure**](#)

- Reducing fuel burn and CO2 emissions for arrivals in terminal areas by acting on ground delays
- **Handbook on Radio Frequency Spectrum Requirements for Civil Aviation**
- **FAA chief warns airlines, again, about upcoming C-band deadline**
- **EUROCONTROL's Performance Review Commission publishes its report on European Air Traffic Management performance in 2021**
- **The new Matter details you need know**
- **IATA: Strong Int'l Demand Fuels April Air Recovery**
- **More Chinese carriers will increase intl flights after over 2 years of restrictions**
- **Thousands of Flights Rescheduled and Cancelled by Leading European Carriers: Why We Should Expect More Flight Disruptions**
- **Sharing the airport perspective at international global forums**
- **MY TAKE: 'Digital trust' has a huge role to play mitigating cybersecurity threats, going forward**
- **Strong International Traffic Propels Continuing Air Travel Recovery**
- **FAA Awards \$518 Million to Improve Critical Airport Infrastructure**
- **How the FCC Settles Radio-Spectrum Turf Wars**
- **Eurocontrol Pushes Back Covid Recovery as Delays Worsen**
- **ATCA and World ATM Inc. to Host "ATCA Global"**
- **Number of daily flights in upward trend, a turning point for bleeding aviation industry expected**
- **Convergence India 2023**
- **EUROCONTROL 3-year Forecast 2022-2024**
- **The Case for Zero Trust amidst Soaring Connectivity**
- **IATA Says Post-Pandemic Airport Chaos Will Get Fixed**
- **ACI Europe: pre-Covid passenger numbers now expected in 2024**
- **The FAA Moves to Zero Trust Strategy for Preventing Cyber Attacks**
- **China to subsidise airlines**
- **Connected Manufacturing**
- **Clock running out on Biden's stymied FCC nominee**

- **The important role of digital trust in cyber security**
- **Air travel is making a strong comeback, but Asia is lagging behind, IATA says**
- **ACI EUROPE makes upward passenger traffic revision for 2022**
- **Aviation & 5G: What's The Latest?**
- **ICAO Secretary General rallies European and North Atlantic States on innovation and resilience ahead of the 41st ICAO Assembly**
- **China's aviation sector hopes to rebound in summer**
- **Telecom regulator wants to create 'attention zones' for 5G near airports**
- **May 2022 WiMAX Forum Monthly Newsletter**



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