

The header features a dark blue background with a glowing globe and network lines. The WiMAX Forum logo is on the left, and the text 'wiMAX FORUM NEWSLETTER' is on the right.

wiMAX FORUM[®] NEWSLETTER

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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** with the contribution, support and participation of our **Board of Directors**, **Member Companies** and **Working Group Representatives** continue producing important work to advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

Last month, at the virtual **ICNS Conference**, WiMAX Forum President **Declan Byrne** presented "AeroMACS Considerations to Foster Innovation in Air Transportation." Leonhard Korowajczuk at **CelPlan Technologies** was part of the Technical Program and presented "Full APRON Visibility design." If you would like to review the presentations please contact at info@WiMAXForum.org and we will be happy to share it with you.

This month, we have released the seventh virtual presentation session with relevant content from National Aeronautics and Space Administration (**NASA**), **AeroMACS** and **WiMAX Forum Initiatives**. You can review the details and video at the following link: <https://youtu.be/5Dxxxyperak>.



The WiMAX Forum Virtual Presentation Sessions are prepared to provide relevant details on the latest **AeroMACS** and **WiMAX** developments, worldwide deployments and applications, security through the WiMAX Forum Public Key Infrastructure (PKI) Policy and other topics. Companies participating include: **ADCC**, **Avicom Japan**, **CelPlan Technologies**, **ConvergEX Technologies**, **DigiCert**, **Eonti**, **EUROCONTROL**, **FAA**, **Honeywell**, **ICAO**, **Leonardo**, **Lisbon Airport**, **NASA**, **Powertech Labs**, **Siemens**, **Skymanatics**, and **Telrad Networks**.

All presentation sessions are published in multiple online channels including the WiMAX Forum Website, YouTube and social media. To review all presentations, please click at the following link: <http://wimaxforum.org/Page/News/Videos>.

The WiMAX Forum will keep busy preparing for exciting meetings and events in person and virtually to raise awareness about the benefits of the AeroMACS and WiMAX technology. Please stay tuned and for more information, visit: WiMAXForum.com.

Please reach out to us if you have any questions or comments. We at the WiMAX Forum wish you a great rest of the month and a wonderful November!

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.

• **PKITrust eBook from DigiCert**

From the Alaskan frontier to the edge of space. On a rainy summer day in 2013, a small, floatequipped plane stalled while flying low over the mountains near Petersburg, Alaska. There were six passengers aboard, headed for a sight-seeing tour of the Le Conte Glacier. While attempting a climb through the pass at Horn Cliffs, the pilot made a miscalculation, lost control of the craft, and the plane spun before pitching at the ground and smashing through the giant evergreens below.

To read complete eBook, please click [here](#).

• **New era for airport communication – Siemens is the first vendor globally to achieve AeroMACS certification**

Siemens is expanding its portfolio for industrial communication with the new AeroMACS certified Ruggedcom WIN base station and subscriber devices. AeroMACS, or Aeronautical Mobile Airport Communication System, is a wireless technology validated by Eurocontrol, the Federal Aviation Administration (FAA) and the International Civil Aviation Organization (ICAO), to support the growing need for secure, scalable and reliable high bandwidth ground communications for Airlines, Air Traffic Control and Airport Operations.

To read complete press release, 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:

| | |
|--|--|
|  <p>6th Smart Cities India 2021 Expo</p> | <p>March 24-26, 2021 New Delhi, India For more information visit: 6th Smart Cities India</p> |
|  <p>IOT SOLUTIONS WORLD CONGRESS</p> | <p>May 11-13, 2021 Barcelona, Spain For more information visit: IoT Solutions World Congress</p> |
|  <p>Connected Manufacturing Forum</p> | <p>July 29-30, 2021 Austin, TX For more information visit: Connected Manufacturing</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 Membership@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 organizes its technical activities through a number of Working Groups 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. The **WiMAX Forum Working Groups** are key to the development of WiMAX technology and participation is open to all WiMAX Forum Members.

It is a crucial time for your organization to participate, 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.

The Working Groups are the currently focused on a number of activities related to **AeroMACS, Smart Energy**, product certification and various spectrum access solutions. The Aviation Working Group (AWG) members have been continuously collaborating on several technical projects including: the development and maintenance of specifications related to AeroMACS Product Conformance Certification, AeroMACS Public Key Infrastructure (PKI), FCC AeroMACS Petition for Rulemaking, and other initiatives to support AeroMACS as the standard selected to improve the safety and regularity of flights.

The AWG and AWG Certification Task Group (CTG) have made significant progress and achieved an important milestone after years of intense work and participation by several member organizations and industry experts. This year, we were happy to announce that Siemens is the first vendor to receive complete AeroMACS certification. Meanwhile products from distinct manufacturers are in the lab to complete testing and on track to also receive full AeroMACS Certification.

The AeroMACS certification is based on a set of requirements and standards defined by the aviation industry. Each product needs to go through a series of tests at the AeroMACS Designated Certification Laboratory (ADCL) and the certification process ensures interoperability worldwide to reduce investment uncertainties for all parties in the access network value chain, from technology providers to service providers to end users.

The WiMAX Forum, **ICAO**, other regulatory members and key industry stakeholders have formed the AeroMACS Advisory Council (AAC). The AAC is a collaborative body that will promote effective public-private dialogue and will consistent with the AeroMACS Certificate Policy and ICAO policies, provide strategic guidance and oversight for AeroMACS PKI, thereby helping promote optimum interoperability and trust among participants.

The WiMAX Forum has partnered with **Eonti** to manage and implement **AeroMACS PKI** as the Management Authority (MA). The MA has brought on the first Certificate Authority (CA) to make AeroMACS PKI commercially available to make AeroMACS operational networks secure. An overview of the AeroMACS PKI process is available here: [AeroMACS PKI Users Overview](#).

The Smart Energy Working Group (SEWG) members are working with IEEE to bring to market devices for narrowband applications and other sub 1GHz spectrum. The WiMAX Forum and member companies are part of the revision of the IEEE 802.16t that has been approved by the IEEE 802 Executive Committee. This 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 in this activity, please contact us at info@WiMAXForum.org and we will be glad to speak with you about this opportunity.

You can learn more about the Working Group activities by visiting the member's workspace area to view the outcomes of recent Working Group sessions or join groups to receive emails related to that group's activities. To find more information on our Working Groups, please visit: www.wimaxforum.org/Page/About/Working-Groups.

Working Group activity is integral to the success of the Forum, and your participation is important to the WiMAX community!

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 October:

- [A holistic approach towards CNS](#)
- [DigiCert Secure Software Manager Modernizes PKI Automation to Enable Frictionless Secure Code Signing, Private Key Management](#)
- [Industry-wide support needed to underpin recovery](#)
- [Recent upticks in air travel not enough ICAO says](#)
- [FAA presses on anti-UAS testing](#)
- [Eurocontrol Predicts A Bleak Winter Ahead For European Aviation](#)
- [Airport development drives China's growing civil aviation sector](#)
- [Combating The Other Virus](#)
- [Honeywell Acquires Ballard Unmanned Systems](#)
- [YouTube: WiMAX Forum Virtual Presentation - Session 7 - National Aeronautics and Space Administration \(NASA\)](#)
- [ATCA Tech Symposium 2020 Highlights Next-Gen Technology, Cybersecurity, and Road to Recovery](#)
- [GAO Calls on FAA to Strengthen Oversight of Avionics Cybersecurity](#)
- [ACI's World Airport Traffic Report brings home how far airport traffic has fallen](#)
- [#NCSAM: How Can Consumers Boost the Security of IoT Devices?](#)

- **IATA: Covid-19 is threatening some 4.8 million aviation jobs**
- **Poll: Can The Airline Industry Successfully Convince Passengers That COVID-Era Flying Is Safe?**
- **Weekly flights across European network fall below mid-July levels**
- **13.26 Million Passengers Air-transported during the 2020 National Day Holiday**
- **ICAO GANP Portal – ASBU Elements**
- **Strategising airport operations for the new norm**
- **EUROCONTROL Comprehensive Assessment of COVID-19's Impact on European Air Traffic**
- **Java Ransomware (Literally): Not Even Your Coffee Maker Is Safe**
- **Looming Cash Crisis Threatens Airlines**
- **ICAO: Aviation concerns stressed to G20 public private leaders**
- **Drone Integration the Goal of FAA-Funded Research at Embry-Riddle**
- **\$399-billion hit: Unprecedented decline in passenger traffic, says ICAO report**
- **Siemens Energy to Debut on Stock Market Monday**
- **IATA now forecasts two thirds plunge in global air travel this year**
- **How certificates enable trust even out of the office**
- **Can we learn from China's traffic recovery?**
- **European Network Operations Plan 2020 Recovery Plan**
- **What happened to aviation safety during pandemic?**
- **European airlines to deliver additional capacity cuts by end of October**
- **5th Annual Smart Cities International Virtual Symposium**
- **SESAR Deployment Manager launches new website supporting ongoing ATM modernisation in Europe**
- **September 2020 WiMAX Forum Monthly Newsletter**



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