

The header features a dark blue background with a glowing green and blue globe. The globe is overlaid with a network of white and blue lines representing connections. The WiMAX Forum logo, consisting of two overlapping circles, is positioned to the left of the text.

# WiMAX FORUM<sup>®</sup> NEWSLETTER

NOVEMBER 2020

## 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 its **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, 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/5Dxxxperak>.



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**, **Skymanics**, 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>.

This month, in light of the ongoing COVID-19 pandemic, the World ATM Congress has decided to move the March 2021 event to the autumn. The new World ATM Congress 2021 dates are 26 - 28 October. For more information, please visit: <https://www.worldatmcongress.org>

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](http://WiMAXForum.com).

Please reach out to us if you have any questions or comments. Enjoy the rest of the month and have a wonderful December!

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.

### • **CelPlan Technologies – ICNS Paper Award**

CelPlan Technologies participated in the 20th Integrated Communications, Navigation and Surveillance (ICNS) Conference. The CEO/CTO, Leonhard Korowajczuk, won the Outstanding Paper Award at the conference for his paper "Full Apron Visibility design." The apron area is key for an airport operation, but today it lacks automation and visibility. The industry has assigned to it a valuable exclusive spectrum under ITU AM(R)S and a dedicated technology known as AeroMACS, which should be used to provide the required automation and visibility.

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

### • **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](#).**

## 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>6<sup>th</sup> Smart Cities India 2021 Expo</p>	<p>March 24-26, 2021 New Delhi, India For more information visit: <b>6th Smart Cities India</b></p>
 <p>IOT SOLUTIONS WORLD CONGRESS</p>	<p>May 11-13, 2021 Barcelona, Spain For more information visit: <b>IoT Solutions World Congress</b></p>
 <p>Connected Manufacturing Forum</p>	<p>July 29-30, 2021 Austin, TX For more information visit: <b>Connected Manufacturing</b></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](mailto: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 Working Groups** are key to the development of WiMAX technology and participation is open to all WiMAX Forum Members.

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 Certification Task Group (CTG) has made significant progress and achieved an important milestone after years of work. This year, Siemens became the first AeroMACS Equipment Manufacturer to receive complete AeroMACS certification. The **AeroMACS Designated Certification Laboratory (ADCL)** now has products from other manufacturers in the lab completing testing to receive full AeroMACS Certification. The AeroMACS certification process 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 ADCL and the certification process ensures interoperability worldwide.

The **AeroMACS PKI** is provided by the WiMAX Forum in partnership with **Eonti** as the Management Authority (MA). Eonti is responsible to manage and implement AeroMACS PKI to ensure AeroMACS operational networks are secure. AeroMACS PKI is commercially available and an overview of the AeroMACS PKI process is available here: **[AeroMACS PKI Users Overview](#)**.

The WiMAX Forum and Smart Energy Working Group (SEWG) members are working 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.

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](mailto:info@WiMAXForum.org)** and we will be happy to speak with you about this opportunity.

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. For more information on our Working Groups, please visit: **[www.wimaxforum.org/Page/About/Working-Groups](http://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 November:**

- **FAA, European Commission Agree to New Areas of Collaboration**
- **How innovation supports continuous descent operations**
- **ACI pledges support for aviation industry pandemic recovery**
- **Leonardo: included in the Dow Jones Sustainability Indices for the 11th consecutive year. Confirmed Industry Leader in Aerospace & Defence for the second year**
- **Standing by airports to support a safe and smooth recovery from COVID-19**
- **MY TAKE: Why companies and consumers must collaborate to stop the plundering of IoT systems**
- **Skyway - Autumn/Winter 2020**
- **The Enterprise Movement to PKI as-a-Service**
- **China's civil airport sector gains remarkable growth**
- **European CCO / CDO Action Plan**
- **ICNS 2021 - Call for Papers and Sponsors**
- **The Federal Communications Commission, 5G, and the 'spectrum wars': Highlights from my conversation with Nathan Leamer**
- **ACI World Annual General Assembly resolution supports industry recovery**
- **Shanghai Airport Authority Shares Experience in Epidemic Prevention and Control with the ICAO Council Aviation Recovery Task Force**
- **Leonardo sustains the transformation of key suppliers with the "Lean Management Workshop"**
- **FAA announces federal funds for Military Airport Program**
- **Fiscal 2020: Reliable performance in remarkable times**
- **CelPlan Exhibiting at Distributech 2021**
- **Delivering a digitally-enabled aviation infrastructure**
- **WATMC 2021 and ATM Awards 2020 updates**
- **EUROCONTROL Five-Year Forecast 2020-2024**
- **New ACI-ICAO qualification programme to enhance aviation safety, COVID-19 response worldwide**
- **Airports set out plan for urgent EU and Government support as financial crisis worsens**
- **Leonardo: positive and effective management in response to the pandemic**

- **DigiCert Secure Software Manager Modernizes PKI Automation to Enable Frictionless Secure Code Signing, Private Key Management**
- **IATA CEO Alexandre de Juniac: The cost of keeping airlines flying**
- **Development of smart airports in China takes wing**
- **CelPlan Technologies – ICNS Paper Award**
- **Global leadership and collaboration will underpin aviation recovery**
- **FAA approves statewide airport plan that speeds up local air travel**
- **DigiCert Secure Software Manager Modernizes PKI Automation to Enable Frictionless Secure Code Signing, Private Key Management**
- **IATA Expects 2021 Revenues To Be Down 46%**
- **EUROCONTROL and EE-ISAC sign new Cooperation Agreement**
- **Shanghai Airport Authority Shares Experience in Epidemic Prevention and Control with the ICAO Council Aviation Recovery Task Force**
- **October 2020 WiMAX Forum Monthly Newsletter**



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