

The header features a dark blue background with a glowing green and blue 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

JULY 2020

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INTRODUCTION

Dear Respected Colleagues,

This July, 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. While we have fruitful conversations, raise awareness about the technology, achieve milestones through collaboration and new initiatives, we see concrete results from our activities with the increase of WiMAX's technology market share.

This month, we are proud to announce that **Siemens** has achieved the WiMAX Forum AeroMACS Certification. Siemens is expanding its portfolio for industrial communication with the new AeroMACS certified Ruggedcom WIN base station and subscriber devices. The Siemens solution consists of a private wireless network designed with the AeroMACS-certified base station, the Ruggedcom WIN7251, and the AeroMACS-certified fixed and vehicular subscriber units, the Ruggedcom WIN5251 and Ruggedcom WIN5151. For more information please visit:

<https://press.siemens.com/global/en/news/new-era-airport-communication>.

In light of the travel restrictions and unavailability to meet face-to-face for the moment, the WiMAX Forum has launched the virtual presentation series to deliver to our members and industry the necessary tools to remain informed, exchange ideas, share knowledge and maximize value. The presentations and discussions will provide the community in-depth knowledge and hands-on experience from industry experts at key organizations.

On July 15, we have released the fifth virtual presentation session with relevant content from **CelPlan Technologies** and **Powertech Labs**. You can review the details and video at the following link: <https://youtu.be/CHVXbeDZIUw>.



Today our Newsletter publication coincided with the release of the virtual presentation series. The sixth virtual presentation publication has been deferred and will resume as regularly scheduled in August. Please stay tuned for the next round of presentations and informative videos. You can review previous sessions on our website at the following link:

<http://wimaxforum.org/Page/News/Videos>.

The WiMAX Forum Virtual Presentations provides key information 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, DigiCert, Eonti, EUROCONTROL, FAA, Honeywell, ICAO, Jezetek, Leonardo, Lisbon Airport, NASA, Powertech Labs, RIOgaleao, Siemens, Skymantics, Telrad Networks**, as well as others to be announced soon.

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.

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. Here is the summary of an upcoming event that we are participating next:

- **On September 9-11** at the **ICNS Conference**, WiMAX Forum President **Declan Byrne** will host a presentation titled "AeroMACS Considerations to Foster Innovation in Air Transportation." The conference will not be held in person this year and it is planned to be virtual instead. As details are finalized, we will be certain to keep you informed.

We will remain vigilant and monitoring the latest developments to determine the safest course of action as the situation evolves. We hope things get better soon to reschedule the meetings we had planned and share with you the latest developments. We will continue working to increase awareness of, educate, and meet with industry leaders worldwide about implementing and developing WiMAX, AeroMACS, and WiGRID networks in ways that will best serve all stakeholders. Please stay tuned for the upcoming event and for more information, please visit: [WiMAX Forum Events](#).

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

- **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](#).

• **Public Key Infrastructure (PKI) for electric vehicles. Mike Nelson, DigiCert & Oscar Marcia, Eonti**

Supergen Energy Networks in collaboration with IEA HEV TCP Task 43 and CESI presents a series of talks on cyber security. Public Key Infrastructure (PKI) for electric vehicles' ecosystem. Keynotes: Mike Nelson, DigiCert and Oscar Marcia, Eonti. With introduction by Dr Myriam Neaimeh, Newcastle University and The Alan Turing Institute.

To view the video, 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.

Featured Events:

	<p>ICNS Conference September 9-11 Virtual Conference For more information visit: AeroMACS at ICNS Conference</p>
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Upcoming Events:

 <p>September 16 - 17, 2020 • Digital Event www.IoTNA.com</p>	<p>September 16-17, 2020 Digital Conference For more information visit: IoT Innovation North America</p>
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	<p>September 29 - October 2, 2020 Palm Springs, California For more information visit: Field Service Palm Springs</p>
	<p>March 24-26, 2021 New Delhi, India For more information visit: 6th Smart Cities India</p>
	<p>May 11-13, 2021 Barcelona, Spain For more information visit: IoT Solutions World Congress</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 that produce technical requirements, develop technical specifications, and advise the forum. The Working Groups are chartered by the WiMAX Forum to bring together content experts from member companies to collaborate and contribute to specification development, harmonize documents, and perform other tasks that the WiMAX Forum has determined to be necessary or useful. The **WiMAX Forum Working Groups** are key to the development of WiMAX technology.

The Working Groups are the currently focused on **AeroMACS, Smart Energy**, product certification and various spectrum access solutions. 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. We need the help of your technical experts in these groups. If you are interested in participating in our **Working Groups**, please contact us at info@WiMAXForum.org and we will be glad to speak with you about this opportunity.

The Aviation Working Group (AWG) members have been collaborating diligently 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 been making significant progress and achieving important milestones throughout the year. This month we are happy to announce that after years of intense work, Siemens is the first vendor globally to achieve complete AeroMACS certification. Meanwhile, other products from distinct manufacturers are in the lab completing testing to receive full AeroMACS Certification.

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.

To foster collaboration between key industry players the WiMAX Forum Working Group members are participating in the Virtual Presentation Series and other projects as the market share expands. 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 July:

- [ACI's World releases most comprehensive Airport Traffic Dataset](#)
- [Fighting fraud in the airline industry](#)
- [China's Comac Gets a Chance to Narrow Gap With Airbus and Boeing](#)
- [Yes, you can fly with confidence](#)
- [Winners of the 2020 IoT Evolution Product of the Year Awards Announced](#)
- [Airports issue urgent call for non-discriminatory relief as EU Aviation Summit gets underway](#)
- [International Industry Collaboration on Future Combat Air Capability Takes a Significant Step Forward](#)
- [Pandemic Likely to Delay New Aircraft Developments for Years](#)
- [In Case You Wondering ... How RTCA Committees Work](#)
- [New era for airport communication – Siemens is the first vendor globally to achieve AeroMACS certification](#)
- [YouTube: WiMAX Forum Virtual Presentation - Session 5 - CelPlan Technologies - Powertech Labs](#)
- [New joint unit cements cooperation between EASA and EUROCONTROL](#)

- **Securing digital transactions across an increasingly dynamic enterprise**
- **World in motion**
- **RTCA Digest Summer 2020**
- **How Top Aviation Leaders See The Future Of The Airline Industry**
- **European airports revise recovery projection to 2024 whilst reporting only marginal traffic increase for June**
- **Eight Ways Companies Can Better Safeguard Their Customers Against IoT Risks**
- **Domestic trips are gradually rebounding around the world**
- **Is Public Key Infrastructure (PKI) Crucial for Securing Today's Digital Transactions?**
- **Extraordinary Shareholders' Meeting of Siemens AG 2020**
- **IATA's latest poll shows clearest picture yet of traveller concerns**
- **Leonardo has opened the international call for applications for "Leonardo Labs"**
- **ACI World data shows dramatic impact of COVID-19 on airports**
- **Mexico's Telcel acquires 3.5GHz concessions from Axtel**
- **Boeing Communications Leadership Announcement**
- **YouTube: WiMAX Forum Virtual Presentation - Session 4 - Avicom Japan - Honeywell - Leonardo**
- **PKI Solutions and 5 Reasons Partners Should Consider Them**
- **U.S. Transportation Secretary Elaine L. Chao Announces Nearly \$800 Million in Grants to 347 Airports in 46 States and 4 Territories**
- **FCC Acts to Ensure Critical Wireless Infrastructure**
- **Leonardo successfully issues on the Eurobond market a benchmark EUR 500 million of long 5-year bonds**
- **Beihangers Contribute to the Development of the BDS System**
- **New General Counsel at IATA as Jeff Shane Retires**
- **Podcast: Ordinarily Extraordinary - Conversations with women in STEM**
- **MITRE's Jerry Hogge Helps Federal 'Sponsors' Turn Data Deluge into Actionable Information**
- **Northwest Air Traffic Management Bureau participated in the 5G and airport converged communication network construction seminar**
- **Financial relief and evidence-based policies needed for restart and recovery**
- **Chinese government to boost civil aviation sector**
- **Ready as traffic starts to recover: EUROCONTROL NM publishes Network Recovery Plan**
- **ATM industry implements extraordinary measures to tackle financial crisis**
- **CAAC Participates in the First Video Conference of the ICAO APAC COVID-19 Contingency and Recovery Planning Group**
- **Honeywell Creates New Business Unit for Drones and Urban Air Mobility**
- **Daily Air Passenger Traffic Returns above One Million**

- **June 2020 WiMAX Forum Monthly Newsletter**



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