AUGUST 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 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.

Last month, we announced 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 provide the community in-depth knowledge and hands-on experience from industry experts at key organizations.

On August 20, we have released the sixth virtual presentation session with relevant content from **ConvergEX Technologies**, and **Skymantics**. You can review the details and video at the following link: **https://youtu.be/JlS4zLF53zw**.

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**, **Jezetek**, **Leonardo**, **Lisbon Airport**, **NASA**, **Powertech Labs**, **RIOgaleao**, **Siemens**, **Skymantics**, **Telrad Networks**, as well as others to be announced soon.

Please stay tuned for the next round of virtual presentations and informative videos to be released soon. All sessions are published in multiple online channels including the WiMAX Forum Website, YouTube and social media. To review the current 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**.

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 present "AeroMACS Considerations to Foster Innovation in Air Transportation." And Leonhard Korowajczuk at **CelPlan Technologies** will present "Full APRON Visibility (FAV) PoC design." 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:

ICNS	ICNS Conference
CONFERENCE	**September 9-11** Virtual Conference For more information visit: **AeroMACS at ICNS Conference**

Upcoming Events:

IOT INNOVATION NORTH AMERICA September 16 - 17, 2020 • Digital Event www.IoTNA.com	September 16-17, 2020 Digital Conference For more information visit: **IoT Innovation North America**
FIELD SERVICE	September 29 - October 2, 2020 Palm Springs, California For more information visit: **Field Service Palm Springs**
6th Smart Cities India 2021 Expo	March 24-26, 2021 New Delhi, India For more information visit: **6th Smart Cities India**
IOT SOLUTIONS WORLD CONGRESS	May 11-13, 2021 Barcelona, Spain For more information visit: **IoT Solutions World Congress**
Connected Manufacturing Forum	July 29-30, 2021 Austin, TX For more information visit: **Connected Manufacturing**

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 **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 been making significant progress after years of intense work. An important milestone has been achieved this year with Siemens as the first vendor to receive complete AeroMACS certification. Other products from distinct manufacturers are in currently in the lab on track to complete testing and 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 August:

- **YouTube: WiMAX Forum Virtual Presentation - Session 6 - ConvergEX Technologies - Skymantics**
- **Implementation of ICAO Council Aviation Recovery Taskforce recommendations supported by new ACI and IATA initiatives**
- **Cloud Security Solutions**
- **China Presses Ahead with Airport Infrastructure Boom**
- **Japan adds nearly 1.4 mln mobile customers in Q2, ends June with 183 mln subs**

- **SESAR takes first steps toward SWIM governance**
- **Chinese Domestic Services Almost Back To Pre-COVID Levels**
- **Private PKI: Deployment, automation and management**
- **ACI World appoints Thomas Romig to succeed David Gamper in safety portfolio**
- **The State of Civil Aviation Cybersecurity**
- **AeroMACS Presentation at the ICNS Conference**
- **DigiCert Announces New Multi-year Plan in DigiCert CertCentral® to Help Customers Simplify TLS Certificate Management Ahead of 1-Year Lifetime Requirements**
- **Iata wants travellers to spend less time in airports in future**
- **Siemens on successful path in uncertain times**
- **The future of air navigation services: a month of knowledge**
- **Charting the return of traffic: EUROCONTROL NM publishes latest Network Recovery Plan**
- **Angela Gittens on her time as ACI World Director General**
- **Leadership Succession for IATA's Customer, Financial & Digital Services**
- **Have your say: Survey on the Strategic Research and Innovation Agenda for the Digital European Sky**
- **China has managed to recover 'very, very quickly,' Siemens CEO says**
- **Summer Demand Drives Bizav Recovery, but Not Everywhere**
- **ICAO begins introduction of Global Implementation Roadmap**
- **Significant increase in the number of flights**
- **Leonardo strengthens financial support for its supply-chain**
- **Securing cities in the cyber age**
- **The Number of Passenger Flights Climbs up to around 80% of the Pre-pandemic Level with 13 059 Flights Registered in a Single Day**
- **White House withdraws O'Rielly's FCC re-nomination**
- **Horizon Europe - Strategic Research and Innovation Agenda - Digital European sky**
- **CANTO Conversations - Innovative Network Optimzation Using Customer Experience**
- **DigiCert Helps Drive 5G Network Transformation with New IoT Device Manager Features**
- **CANSO and Aireon partnership finds global air traffic has recovered 51 percent since lowest point during COVID-19 pandemic**
- **IATA Laments Unexpectedly Weak Traffic Improvements in June**
- **U.S. Transportation Secretary Elaine L. Chao Announces Over $273 Million in Grants to 184 Airports in 41 States, 6 Territories**

- **Leonardo: responding robustly to the pandemic also benefitting from military/governmental business. 1H 2020 resilient performance, with Orders at € 6.1 billion. FY 2020 New Guidance and confidence in medium-long term fundamentals**
- **Stakeholders agree on consistent travel processes**
- **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**
- **July 2020 WiMAX Forum Monthly Newsletter**

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