WiMAX FORUM® NEWSLETTER

JUNE 2019

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INTRODUCTION

Dear Respected Colleagues,

The **WiMAX Forum** with the collaboration and participation of its **Board of Directors**, **Member Companies**, **Working Group Representatives**, and industry leaders, continues to produce important work to increase awareness, support and advance the Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

Last month, the WiMAX Forum President Declan Byrne participated at the International Civil Aviation Organization (**ICAO**) Trust Framework Study Group (TFSG) first meeting in Montreal, Quebec. The study group will develop policy, guidance and a transition strategy for a global interoperable framework that will enable trusted ground-ground, air-ground and air-air exchange of information among all current and prospective aviation stakeholders.

Also, in May, at the **Internet of Things World** in Santa Clara, California, the WiMAX Forum Chairman, **Dr. Mo Shakouri** participated with other industry experts at the **Panel - Connectivity is Crucial to Saving Lives**, and highlighted the features of IEEE 802.16s and WiGRID. The conference agenda included keynotes and tracks covering industrial and consumer verticals, and technical focused sessions.

This month, on June 6, the Federal Communications Commission (**FCC**) voted to adopt a Notice of Proposed Rulemaking (NPRM) proposing service rules for the Aeronautical Mobile Airport Communication System, better known as AeroMACS. The NPRM proposes specific technical and licensing rules that are required before commercial AeroMACS operations can become routine at U.S. airports. To read the WiMAX Forum Statement on the FCC Proposal for Commercial AeroMACS Operations, please click **here**.

On June 17-21, the WiMAX Forum and Member Companies **CelPlan Technologies**, **Ondas Networks** and **Siemens** participated at the **UTC Telecom & Technology Conference** in Fort Worth, Texas. Participation included exhibition, meetings, presentations, sponsorship and more.

On June 18, WiMAX Forum Member Company, **Ondas Networks** hosted an IEEE 802.16 Meeting collocated with the UTC Telecom & Technology Conference. If you have missed the meeting and would like to receive more information, please email **Alessandra.Rocha@WiMAXForum.org** for more information.

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, seminars, and webinars, we are reaching out to diverse audiences in the WiMAX community. We will continue to increase awareness of, educate, and meet with industry leaders worldwide regarding implementing and developing WiMAX, AeroMACS, and WiGRID networks in ways that will best serve all stakeholders. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the industry.

Our involvement in these events has proven to be the right strategy, fostering a prosperous environment and future for the WiMAX ecosystem. We are seeing concrete results from our activities in the industrial markets particularly through AeroMACS and Smart Energy events, which have provided excellent exposure, reception, and engagement. For more information about our events, 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 great 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.

• **WiMAX Forum Statement on FCC Proposal for Commercial AeroMACS Operations**

The WiMAX Forum® applauded today's vote by the Federal Communications Commission (FCC) adopting a Notice of Proposed Rulemaking (NPRM) proposing service rules for the Aeronautical Mobile Airport Communication System, better known as AeroMACS. AeroMACS is a next generation airport surface communications system designed to promote safety and on-time flight performance at airports around the globe.

To read the entire press release, please click here.

• WiMAX Forum: Mo Shakouri Outlines Benefits of WiGRID, AeroMACS Technologies for Private Networks

Mo Shakouri, chairman of the board for the WiMAX Forum, explains how WiGRID and AeroMACS technology are designed use licensed spectrum to let critical-infrastructure entities build mission-critical private networks as alternatives to services provided by cellular operators. Shakouri spoke with IWCE's Urgent Communications Editor Donny Jackson during pre-conference activities at the IoT World event in Santa Clara, Calif.

To see the publication, 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 29-30, 2019 Austin, TX For more information visit: **Connected Manufacturing**
ASIA IOT BUSINESS PLATFORM	August 28-29, 2019 Jakarta, Indonesia For more information visit: **Asia IoT Business Platform**
MarketsandMarkets Industry 4.0 Conference: Cyber Security & IIOT 23rd - 24th September 2019, Chicago-USA	September 23-24, 2019 Chicago, IL For more information visit: **Industry 4.0 Conference**
IOT SOLUTIONS WORLD CONGRESS	THE LEADING IOT INDUSTRY EVENT BARCELONA 29-31 OCTOBER 2019	October 29-31, 2019 Barcelona, Spain For more information visit: **IoT Solutions World Congress**

November 14-15, 2019
London, UK
For more information visit:
AI World

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 would like to extend a special welcome to the new members for 2019:

- **German Aerospace Center (DLR)**
- **Ondas Networks**

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 **WiMAX Forum Working Groups** are key to the development of WiMAX technology. 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 currently focused on **AeroMACS**, **Smart Energy**, product certification and various spectrum access solutions. A number of activities are scheduled and we need the help of your technical experts in these groups. It is a crucial time for your organization 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 glad to speak with you about this opportunity.

The Aviation Working Group (AWG) and the AWG Certification Task Group have been making significant progress and achieving important milestones. The AWG is working on several technical projects including: 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.

WiMAX Forum Members AeroMACS manufacturers will be participating in an AeroMACS PlugFest at the AeroMACS Designated Certification Laboratory (ADCL) to achieve complete certification (Interoperability Testing (IOT), PCT and RCT) of multiple products, expected to be held in 2019, as details concerning this event are finalized, we will be certain to keep you informed.

The AWG Certification Task Group (CTG) is finalizing the IOT procedures to support AeroMACS based on current implementations to support an overall WiMAX Forum certification compliance for AeroMACS. The CTG has completed and published the WiMAX Forum® AeroMACS Test Suite Structure and Test Purposes (TSS&TP) for Protocol Conformance Testing (PCT) and Radio Conformance Testing (RCT) Specifications to confirm conformance to industry requirements.

The WiMAX Forum, **ICAO** and key industry stakeholders collaborate in the oversight of AeroMACS PKI for the ecosystem in the AeroMACS Advisory Council (AAC). 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) next meeting will be scheduled shortly. As details concerning the next SEWG meeting are finalized, we will be certain to keep you informed.

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 June:

- **Countering Industrial Cyberthreats with Secure, Standards-Based, Licensed Wireless Networks**
- **IIoT Wireless Communications for Water and Wastewater Management**
- **EU Auditors to Cast Doubt over SESAR Efforts on Europe's ATM**
- **First Commercial Certificate Authority to Augment Microsoft CA, Sectigo Manages Private and Public Certificates in a Single Platform**
- **FCC Pushing to Open up the 2.5 GHz Band for 5G**
- **Industry 4.0 Conference**
- **Utilities Worry Big Tech's Bandwidth Grab Could Interfere with Grid Communication**
- **Leonardo and Sapura Sign a Memorandum of Understanding on Cyber Security**
- **Eurona Inks Deal to Access Masmovil FTTH Network**
- **WiMAX Technology Evolves to Meet Connectivity Needs Worldwide**
- **FCC Proposes Changes to Rules to Promote Aviation**
- **Standards Oversight Committee Acts on Safety and Emerging Technologies**
- **How Vulnerable Is the Grid Against Cyber Attacks?**
- **CyberTech awarded DigiCert Platinum Partner status**
- **FCC's Pai Proposes New Order to Gather Better Broadband Mapping Data**
- **Asia IoT Business Platform**
- **Siemens Innovation Day Highlights the Need for Real-time Knowledge**
- **Jason Soroko, Sectigo CTO of IoT, to Speak at Gartner Security and Risk Management Summit**
- **Active vs. Passive Cyberattacks: Which Is More Dangerous?**
- **WiMAX Forum Statement on FCC Proposal for Commercial AeroMACS Operations**

- **U.S. Department of Transportation Announces $840 Million in Infrastructure Grants to 381 Airports in 47 States**
- **CelPlan Technologies: Enabling Consumer-Centric Network Optimization**
- **Top Airline Association Cuts 2019 Forecast for Industry Profits**
- **Practical Considerations for Implementation and Scaling ISO 15118 into a Secure EV Charging Ecosystem**
- **Connected Manufacturing**
- **Sectigo and Thirdwayv Speed Connected Device Deployments by Introducing Strongest Level of Embedded IoT Security**
- **China and the EU First Sign Civil Aviation Agreements**
- **Petition Asks FCC to Include Part 90 Licensees as CBRS Incumbents**
- **Number of Internet Users at All-Time High: BTRC**
- **Implementing Wireless Technologies for Air Traffic Infrastructure**
- **Emerging Technologies Washington Update May 2019 #4**
- **UTC Annual Conference to Focus on 5G, Spectrum, Grid Modernization**
- **Interview: John Merrill, CEO, DigiCert**
- **Beijing Building New Airports as Millions of Chinese Take to Skies**
- **Industrial IoT USA**
- **Thailand's Ambitious Plan for Aerospace Dominance**
- **U.S. Transportation Secretary Elaine L. Chao Announces $779 Million in Funding for Airport Infrastructure**
- **To Win the Cyber War, a Great Defense Is the Best Offense**
- **May 2019 WiMAX Forum Monthly Newsletter**

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