

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 a global communication network. The WiMAX Forum logo, consisting of two overlapping circles, is positioned to the left of the text.

WiMAX FORUM[®] NEWSLETTER

MAY 2018

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INTRODUCTION

Dear Respected Colleague,

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

Last month, the WiMAX Forum and industry experts from **Comodo CA**, **DigiCert**, and **Eonti** presented "AeroMACS Delivering Secure Networks Through PKI Policy and Certificate" at the **ICNS Conference**. The AeroMACS **PKI** (Public Key Infrastructure) enables users to securely and privately exchange data.

On May 15, Oscar Marcia, Founder and CEO of **Eonti** presented AeroMACS during the "Critical Infrastructure Protection for Communications" panel at the **IEEE ComSoc International Communications Quality and Reliability Workshop** in Austin, Texas. The IEEE CQR International Workshop is held annually with the purpose of bringing together industry and academic experts to present and discuss communications quality, reliability and security issues as they relate to real world issues.



The WiMAX Forum would like to extend a special welcome to this month's new member, **CBI Industries, Inc.** CBI has served private, corporate and municipal clients throughout the Southeast region of the United States of America. CBI staff has experience in several types of organizations and assignments. Services in municipal engineering and planning fields include planning studies, environmental studies, conceptual and preliminary designs, final designs and construction management and observation. If you would like more information regarding the WiMAX Forum Membership benefits, please email Membership@wimaxforum.org.

The next few months promise much progress for the WiMAX market and specially AeroMACS, which is derived from our efforts in developing certification and security as well as our continuation in hosting and participating in several industrial events. Through our events, speaking opportunities, and

webinars, we are reaching out to diverse audiences in the WiMAX community about implementing and developing AeroMACS, WiGRID, and WiMAX networks in ways that will best serve all stakeholders. We will continue the pace throughout the year. Please stay tuned for more details and look for information on our [upcoming events](#) to be announced as of yet.

Please reach out to us if you have any questions or comments. We wish you all a great rest of the month and we hope to see many of 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.

• **Are PKIs the key to securing the IoT?**

There's no slowing down the growing Internet of Things. However, security concerns are becoming an unavoidable problem for consumers. Mike Nelson, VP of IoT Security, DigiCert shares his wisdom about IoT security and fighting back with Public Key Infrastructure. If the Internet of Things is the gold rush, then its security landscape is the Wild West. This unbelievable demand – from businesses who want to ride the wave of innovation brought on by a connected world and home consumers who crave shiny new things – threatens to plunge many into a state of insecurity that the excitement of innovation has blinded them to.

To read the entire 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:

	<p>June 19-20, 2018 St. Louis, Missouri For more information visit: Connected Manufacturing</p>
	<p>June 24-26, 2018 Berlin, Germany For more information visit: Autonomous Machines World</p>
	<p>June 26-28, 2018 Acropolis, Nice For more information visit: Next Generation Optical Networking</p>
	<p>June 27-29, 2018 Shanghai, China For more information visit: Mobile World Congress Shanghai</p>
	<p>July 2-3, 2018 Berlin, Germany For more information visit: Security of Things World</p>
	<p>July 15-17, 2018 Singapore For more information visit: Industry of Things World Asia</p>
	<p>September 23-25, 2018 Berlin, Germany For more information visit: Industry of Things World</p>
	<p>October 16-18, 2018 Barcelona, Spain For more information visit: IoT Solutions World Congress</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.

The WiMAX Forum would like to extend a special welcome to the new members since 2017:

- **[Austro Control](#)**
- **[CBI Industries, Inc.](#)**
- **[Comodo CA](#)**
- **[Eonti](#)**
- **[GAL Air Navigation Services \(GALANS\)](#)**
- **[Jezetek](#)**

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 Working Groups** are key to the development of WiMAX technology. The WiMAX Forum organizes its technical activities through a number of Working Groups that produce technical requirements, develop technical specifications, and advise the forum. 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 Working Groups are currently focused on **AeroMACS**, **Smart Energy**, and various spectrum access solutions. 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. It is a crucial time for your organization to influence and leverage the Working Groups activities and contribute to the development of the market.

The Aviation Working Group (AWG) is currently working on three main technical activities: AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), and the FCC AeroMACS Petition for Rulemaking. The AeroMACS Certificate Policy (CP) is complete and will be published in the first half of 2018. The AeroMACS Designated Certification Laboratory (ADCL) has started Radio Conformance Testing (RCT) on a third set of AeroMACS System products. In parallel, the AWG Certification Task Group is validating test procedures for Protocol Conformance Tests (PCT). The Interoperability Tests (IOT) procedures to support AeroMACS based on current implementations is underway to support an overall certification for AeroMACS compliance in 2018.

The WiMAX Forum and **ICAO** collaborate in the oversight of AeroMACS PKI for the ecosystem in the AeroMACS Advisory Council (AAC) and have partnered with Eonti to manage and implement **AeroMACS PKI** as the Management Authority (MA). The Management Authority is in the process of auditing the first commercial AeroMACS PKI Certificate Authorities (CAs), expected to be onboard in the first half of 2018.

The Smart Energy Working Group (SEWG) is currently working on the agenda and topics to host the next conference call on Wednesday, June 13, 2018 at 11am PST. As details concerning this 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 May:

- [FCC Commissioner Targets Midband Spectrum for 5G Within 2 Years](#)
- [Cybersecurity Pressures Increasing](#)
- [ATCA 2018: Balancing Risk & Innovation in Federal Aviation](#)
- [The Challenges of Meeting the In-Flight Connectivity Demand](#)
- [Mobile World Congress Shanghai in June](#)

- **RTCA Launches Standards Development Organization**
- **ICAO Rallies Support for Cybersecurity Coalition at Bucharest Summit**
- **Siemens Drives Digital Transformation in Buildings with Acquisition of Enlighted Inc.**
- **FCC Must Choose Between Many or Few with Spectrum Rule Change**
- **Bureau of South China Organization Beidou System Airport Scene Operational Application Pilot Work Investigation**
- **Internet Users in Bangladesh Rise to 8.45 Crore**
- **Is This the Future of Communications, Navigation and Surveillance?**
- **Autonomous Machines World**
- **Why Aviation Cybersecurity Needs to Level Up**
- **FCC Details Moves to Ease 5G Path**
- **Grid Cybersecurity Requires Constant Vigilance, Say U.S. Senators, FERC Chairman**
- **FCC Poised to Free Up 2.5 GHz EBS Spectrum for Broadband, Primarily in Rural Areas**
- **Solving Right of Way Issues Will Reduce Cost of Broadband, Increase Last Mile Penetration**
- **Leonardo 1Q 2018 Revenues up**
- **Utilities to FCC: Don't Mess with Our Spectrum**
- **One Mega Event 2018 to Deliver Women and Girls the Tech Keys to Empowerment**
- **Siemens Posts Q2 Results, Records 'Extraordinary' Growth in Digital Business**
- **Industrial IoT and CBRS Coalitions Want Compromise Rules for 3.5 GHz Band**
- **Xcel Energy Colorado Receives More Time to Submit Electricity Plan**
- **ICAO's Secretary General Promotes Sustainable Global Aviation in London**
- **How Relying on Oil Makes Us More Vulnerable to Cyberattacks**
- **Are PKIs the Key to Securing the IoT?**
- **Ministry of Land, Navigation and Safety Facilities Workshop**
- **Mobile Data Usage Overtakes Wi-Fi, and CBRS Threatens**
- **Twenty Seventh RTCA SC-223 IPS and AeroMACS Joint Plenary With WG-108**
- **David vs. Goliath: Rural ISPs fight CBRS Rule Changes**
- **Industry of Things World Asia**
- **CTIA, CCA Offer Joint Proposal for 3.5 GHz Licenses**
- **FAA Reauthorization Bill Passes House Vote**
- **A Comprehensive Approach to Cybersecurity Preparedness**
- **Comodo CA and DonDominio Partner in Spain to Deliver a Unified Platform for Managing Domains, Hosting Plans and TLS/SSL Security**
- **Capital Airport Aircraft Taxi Guide to Open a New Model**
- **Studies on the Extended Arrival Manager**
- **RTCA Digest**
- **Technical Committee on Space, Aeronautical and Navigational Electronics**
- **FCC Takes First Steps Toward C-Band Shared Spectrum with Possible Implications for CBRS**
- **Security of Things World**

- **Going Global: FAA Information Exchange Creates a Harmonized Global Aviation System**
- **WISPA disappointed in efforts to 'shove aside' rural interests in CBRS band**
- **Funding Key to Future of NextGen**
- **Brazilian Air Force Oversees Air Traffic Control in Brazil**
- **April 2018 WiMAX Forum Monthly Newsletter**



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