**WIMAX FORUM® NEWSLETTER**

MARCH 2018

# IN THIS ISSUE

## INTRODUCTION

Dear Respected Colleague,

The **WiMAX Forum** with the help of our **Member Companies**, **Working Group Representatives** and **Board of Directors** is producing important work and participating at key industry-related events to advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology.

Last month, the WiMAX Forum and the Smart Energy Working Group (**SEWG**) Leadership hosted a free live Webinar: **Promoting the Use of 3.65 GHz Spectrum Under the CBRS Rules**. The operational changes for the 3.65 GHz wireless broadband community demands solid guidelines, policies, and industry support to have adequate protection. At the webinar, speakers addressed key questions about the spectrum, technology, CBRS changes and how to leverage the use of 3.65 GHz spectrum under the CBRS constrains. If you would like to receive more information, please contact us at **info@WiMAXForum.org**. To review the webinar recording, please click **here**.

On March 7, the WiMAX Forum with the support from **Comodo CA**, **DigiCert**, **Eonti**, and **Powertech Labs** hosted the first AeroMACS conference of 2018 collocated with **World ATM Congress** in Spain. **AeroMACS 2018 - Madrid** was a great success with participants from around the world raising awareness about the value of this secure and standardized wireless broadband technology to support the safety and regularity of flights on the airport surface. The presentations were well-received and further drove collaboration among industry players to support the technology as an industry standard.



The event illustrated a wide variety of worldwide activities and the tremendous interest in the current use of AeroMACS to improve ground communication. Attendees were treated to an in-depth program that touched on a range of topics including security announcements, standards development, worldwide tests and other successful implementations. The program highlighted the opportunities and strategies involved in operating an AeroMACS network. The WiMAX Forum would like to thank the contributing speakers from the following companies:

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|---|---|
| **ALTYS Technologies** | **International Civil Aviation Organization (ICAO)** |
| **Aviation Data Communication Corporation (ADCC)** | **Jezetek** |
| **Avicom Japan** | **Leonardo Company** |
| **Comodo CA** | **Powertech Labs** |
| **DigiCert** | **Siemens** |
| **Eonti** | **Telrad Networks** |
| **Honeywell** | |

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. Our focus has been to share key lessons, concrete knowledge, and work together for the benefit of the industry. Here is the summary of an upcoming event that we are participating during the coming months:

• On **April 10-12**, the WiMAX Forum and industry experts from **Comodo CA**, **DigiCert**, and **Eonti** will present "AeroMACS Delivering Secure Networks Through PKI Policy and Certificate" at the **ICNS Conference**. As details concerning this event are finalized, we will be certain to keep you informed.

We will continue 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. 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**.

Member organizations have already been contacted by our membership and finance teams. As always, we stand ready to answer any questions that you have. If you have questions or would like more information regarding your membership status, please email **Membership@WiMAXForum.org**, and we will respond as quickly as possible.

Please reach out to us if you have any questions or comments. We look forward to continuing to work with you through 2018!

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 latest communications and most relevant activities.

### • DigiCert Selected to Provide Root CA for AeroMACS

DigiCert Inc., the leading global provider of scalable identity and encryption solutions for the enterprise, today announced at the World ATM Congress in Madrid that it has been selected to host the Root CA for Aeronautical Mobile Airport Communication System (AeroMACS), the only wireless technology that has been validated by major international regulatory bodies to support the safety and regularity of flight. An initiative championed by the WiMAX Forum, AeroMACS enables ground-to-aircraft communications to support both current applications and new ones that require more bandwidth. AeroMACS supports increased transmission of Air Traffic Control and Airline Operations Communications to relieve traffic congestion and delays.

**To read the entire press release, 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:**

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|---|---|
| **ICNS** CONFERENCE | AeroMACS Presentation at ICNS **April 10-12, 2018** Herndon, Virginia For more information visit: **AeroMACS Presentation at ICNS** |

**Upcoming Events:**

| | |
|---|---|
| Mobile Network Expo — Various Technologies for 5G/IoT! NEW — Dates: April 4-6, 2018 — Venue: Tokyo Big Sight, Japan — Organised by: Reed Exhibitions Japan Ltd. | April 4-6<br>Tokyo Big Sight, Japan<br>For more information visit:<br>**Mobile Network Expo** |
| Industrial Internet of Things USA | April 18-19, 2018<br>Chicago, Illinois<br>For more information visit:<br>**Industrial IoT USA** |
| BIG Communications Event | May 14-16, 2018<br>Austin, Texas<br>For more information visit:<br>**Big Communications Event** |
| One Mega Event — Smarter Solutions for a Better Tomorrow — 2nd BUILDINGS India 2018 Expo, SOLAR India 2018 Expo, 3rd TRANSPORT India 2018 Expo, 4th Smart Cities India 2018 Expo, WATER India 2018 Expo — Pragati Maidan, New Delhi | 23-25 May 2018 | May 23-25, 2018<br>New Delhi, India<br>For more information visit:<br>**One Mega Event India** |
| Connected Manufacturing Forum | June 19-20, 2018<br>St. Louis, Missouri<br>For more information visit:<br>**Connected Manufacturing** |
| AUTONOMOUS MACHINES WORLD | June 24-26, 2018<br>Berlin, Germany<br>For more information visit:<br>**Autonomous Machines World** |
| NGON & DCI Europe — 26-28 June 2018 Acropolis, Nice — UNITING THE STRATEGIC AND TECHNICAL OPTICAL COMMUNITY | June 26-28, 2018<br>Acropolis, Nice<br>For more information visit:<br>**Next Generation Optical Networking** |
| MOBILE WORLD CONGRESS SHANGHAI 世界移动大会·上海 — 遇见 美好未来 — Discover a Better Future — #MWCS18 | June 27-29, 2018<br>Shanghai, China<br>For more information visit:<br>**Mobile World Congress Shanghai** |

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**
- **Comodo Group Inc.**
- **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 active Working Groups are currently focused on **AeroMACS** and **Smart Energy**. 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.

AeroMACS Public Key Infrastructure (PKI), AeroMACS Product Certification, and the FCC AeroMACS Petition for Rulemaking are the three main technical activities that the Aviation Working Group is currently working on. 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). These CAs are expected to be onboard in the first half of 2018. The AeroMACS Certificate Policy (CP) is complete and will be published in Q1.

The AeroMACS Designated Certification Laboratory (ADCL) continues to run two more products through Radio Conformance Testing (RCT). 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.

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 March:**

- **FAA Forecasts Strong Growth in Aviation Over Next Two Decades**
- **Webinar: Unlocking the Value of IoT with Lifecycle Management**
- **Omnibus Agreement Funds FAA, NextGen Modernization**
- **Securing the Internet of Things: A Two-Fold Challenge**
- **Autonomous Machines World**
- **Middle East Energy Companies' Cyber-Security Investments Lag Behind Threats: Siemens**
- **Fang Liu Reappointed Secretary General of ICAO for a Second Term**
- **What Airports Need to Know: Creating a Comprehensive Approach to**

- **Cybersecurity**
- **IATA Expands Its Montreal Head Office Operations with the Addition of Key Financial Services Functions**
- **WiMAX Forum Webinar Recording: Promoting the Use of 3.65 GHz Spectrum Under the CBRS Rules**
- **World ATM Congress Breaks Records: More Participants, Deals, Product Demonstrations, and Education Sessions Than Ever Before**
- **The Dynamic Spectrum Alliance Urges the FCC to Re-Evaluate Changes to the CBRS Band Rules**
- **DigiCert Announces Enhancements to Its Certified Partner Program to Accelerate SSL, PKI and IoT Opportunities**
- **Leonardo: The Board of Directors Approves 2017 Results in Line with Expectations**
- **One Mega Event India**
- **ICAO Council President Highlights New and Exciting Era Emerging for Global Air Traffic Management**
- **Large Financial Institution Partners with Comodo Ca to Diversify Security Portfolio**
- **World ATM Congress: How Air Traffic Control is Adjusting to Rapid Aviation Growth**
- **DigiCert Selected to Provide Root CA for AeroMACS**
- **ALTYS Will Lead the Clean Sky 2 Program Research & Development on the Future IP Based Data Link Infrastructure**
- **Comodo CA Launches Industry Leading Certificate Manager 6.0 for Next Generation Digital Certificate Management & Automation**
- **Airspace Design, Management to Change Dramatically — ICAO Boss**
- **Internet of Things North America**
- **The SEC Wants Companies to Talk About Cybersecurity**
- **Congress to Pass Comprehensive FAA Reauthorization Bill**
- **Industrial Cybersecurity Solutions from Secure-NOK for Siemens Ruggedcom Portfolio**
- **Leonardo Teams with Nozomi Networks to Secure Critical Infrastructures for its International Customers**
- **FCC Chairman Announces More Spectrum Auctions, Defends Net Neutrality Repeal**
- **Cybersecurity – Industry Collaboration Key to Meeting "Very Real Threat of Cyberattacks"**
- **ICAO Preparatory Workshop for ITU WRC-19, NACC & SAM Regions**
- **The future of US air traffic control: the third option?**
- **Comodo CA Achieves Record 45 Percent Year over Year Revenue Growth Fueled by 30 New Global Partners**
- **Big Communications Event in Austin**
- **NATA and Industry to Congress: Oppose ATC Privatization**
- **NTIA Could Release More Midband Spectrum for 5G**

- **Leonardo Progressing Toward 2019 EIS for AW609**
- **February 2018 WiMAX Forum Monthly Newsletter**

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