**AUGUST 2018**

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## INTRODUCTION

Dear Respected Colleague,

While much of the world has been away enjoying summer holidays, we at the **WiMAX Forum** with the cooperation of its **Member Companies**, **Working Group Participants**, **Board of Directors** and industry representatives have been producing important work to increase awareness, support and advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology. We have been attending, and participating at key industry events and preparing for the remainder of 2018 to bring the highest value to the WiMAX community as the market share expands.

Last month, an Open Day on AeroMACS was organized by the SESAR project PJ14 EECNS (Essential and Efficient Communication Navigation and Surveillance Integrated Systems). The meeting was held at Leonardo's premises in Firenze, Italy; it featured demonstration of developed prototypes, solution design, use cases and discussed the next stages. The WiMAX Forum President **Declan Byrne**, delivered an AeroMACS presentation on the latest developments. Nikos Fistas presented **EUROCONTROL**'s involvement in AeroMACS and how it is important for aviation. Airtel, **Leonardo** and **SESAR** 2020 presentations were also highlighted at the meeting. For additional information and to review the presentations, please click **here**.

This month, on August 10, in Beijing, China, the WiMAX Forum President Declan Byrne, delivered a presentation on the latest AeroMACS developments. The AeroMACS Conference organized by Aviation Data Communication Corporation **(ADCC)** had participants from ATMB, Boeing, CAAC, **Honeywell**, **JEZETEK**, **Siemens**, airlines, pilots and others. The presentations were well received and showcased the AeroMACS progress not only in China, but worldwide. 11 airports in China have already been using the AeroMACS systems to support D-Taxi and other safety-critical applications. China presents an ambitious plan to connect 30 airports by 2019.



On August 21 and 22, in Rio de Janeiro, Brazil, the U.S. Trade and Development Agency hosted a two-day technical workshop on Air Traffic Management Solutions as part of the U.S. Brazil Aviation Partnership. The workshop brought together U.S. and Brazilian leaders from government and industry to discuss current approaches to air traffic management, airspace planning, and the modernization of the supporting technologies and processes. The WiMAX Forum President Declan Byrne, participated in the Air Traffic Modernization panel and highlighted the benefits identified on global AeroMACS implementations and how AeroMACS systems can improve the safety and regularity of flight in the

airport surface. **CelPlan Technologies**, presented the challenges and advantages of AeroMACS implementation in Brazilian airports.



In the coming months, the WiMAX Forum will keep busy preparing for exciting meetings and events to raise awareness about the benefits of the WiMAX technology. Through 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 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.

### • AeroMACS Open Day

An open day on the Aeronautical Mobile Airport Communication System (AeroMACS) organised by the SESAR project PJ14 EECNS (Essential and Efficient Communication Navigation and Surveillance Integrated Systems). The workshop will present progress made on the PJ14-02-06 technological solution "Completion of AeroMACS." Hosted by partners, Leonardo, EUROCONTROL and Airtel, the open day will feature a demonstration of prototypes developed in the context of the solution.

**For additional information, 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:**

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| INDUSTRY OF THINGS WORLD | September 23-25, 2018<br>Berlin, Germany<br>For more information visit:<br>**Industry of Things World** |
| NFV & Carrier SDN:<br>Automation & Monetization | September 24-26, 2018<br>Denver, Colorado<br>For more information visit:<br>**NFV & Carrier SDN** |
| CONNECTEDWORLD SUMMIT<br>25TH - 26TH SEPTEMBER 2018 \| PRINTWORKS, LONDON<br>THE LEADING EMERGING TECH EVENT FOR A SMART SOCIETY | September 25-26, 2018<br>Printworks, London<br>For more information visit:<br>**Connected World Summit** |
| IoT Security Summit | October 16-18<br>Dallas, Texas<br>For more information visit:<br>**IoT Security Summit** |
| IOT SOLUTIONS WORLD CONGRESS<br>BARCELONA 16-18 OCTOBER 2018<br>BLOCKCHAIN SOLUTIONS WORLD<br>AI & COGNITIVE SYSTEMS | October 16-18, 2018<br>Barcelona, Spain<br>For more information visit:<br>**IoT Solutions World Congress** |
| FierceWireless<br>NEXTGEN 10.17-10.18 DALLAS, TX<br>WIRELESS NETWORKS SUMMIT | October 17-18, 2018<br>Dallas, TX<br>For more information visit:<br>**Next Gen Wireless Networks Summit** |

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|  | November 14-16, 2018<br>Orlando, Florida<br>For more information visit:<br>**Industry of Things World USA East** |
|  | November 23, 2018<br>Amsterdam, Netherlands<br>For more information visit:<br>**Internet of People Event** |

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.

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 Working Groups are currently focused on **AeroMACS**, **Smart Energy**, and various spectrum access solutions. The Aviation Working Group (AWG) is working on three main technical activities: AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), and the FCC AeroMACS Petition for Rulemaking.

The AeroMACS Designated Certification Laboratory (ADCL) is completing Radio Conformance Testing (RCT) on a third set of AeroMACS System products. In parallel, the AWG Certification Task Group is in the final review to validate the 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 WiMAX Forum certification compliance for AeroMACS in 2018.

The AeroMACS PKI Certificate Policy (CP) is complete and will be published to members in 2018. 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 is in the process of onboarding Certificate Authorities (CAs), to make AeroMACS operational networks secure with the implementation of PKI, commercially available in 2018.

The Smart Energy Working Group (SEWG) will host the next conference call on Wednesday, September 26, 2018. 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 August:**

- **Civil Aviation Administration Air Traffic Control Bureau conducts ground-to-air data link technology research in Beijing and FAA**
- **In the Age of IoT, the FCC's Way of Valuing Radio Spectrum Is Broken**
- **Italy's ENAV Thrives on Robust Return to Growth**
- **Shared Spectrum Is About More Than CBRS**
- **Internet of People Event**
- **Leonardo CTO Talks Tempest: Vision for Future Fighter's Advanced Avionics**
- **Comodo CA Acquires Website Disaster Recovery Leader CodeGuard**
- **WISPA: 5G Not Synonymous with Mobile Wireless**
- **Tracing the Future**
- **Civil Aviation II supports the training of aviation telecommunications new technologies for the Southwestern Ombudsman**
- **The Great 5G Spectrum Devaluation**
- **Delays – Three Questions and Many Answers**
- **Connected World Summit**
- **2.3GHz band to go to 5G in Brazil**
- **Japan Nears 170 mln Mobile Subscribers**
- **US Senate Approves FAA Budget of $17.7 Billion for FY2019**
- **Leveraging Analytics to Break Down the Cybersecurity Dilemma**
- **Gansu Air Traffic Control Branch signed a strategic cooperation agreement with Air Traffic Control**

- **Wireless Innovation Forum Praises FCC for Bringing CBRS Ecosystem One Step Closer to Commercial Reality**
- **China Sees 297 mln Air Passengers in H1**
- **Cyber Hacking the Energy Grid: Putting Threats in Context**
- **IoT Security Summit Save When You Register by 10 August**
- **All-Causes Delay to Air Transport in Europe for June 2018**
- **CBRS Band Inches Closer to Deployment**
- **NATA Statement on Senate Passage of FY2019 Transportation Appropriations Legislation**
- **US requirements physique acts on rising expertise | Air Visitors Administration | Air Visitors Administration**
- **The New Era of Network Densification Requires Operational Excellence**
- **Comodo CA Achieves Significant First Half 2018 Revenue Growth and Rapid Expansion into IoT and Web Security Solutions Digital Identity Leader Gains Momentum After Unveiling Innovative New Product...**
- **WISPA: 5G Not Synonymous with Mobile Wireless**
- **IoT Solutions World Congress 2018 Will Host Workshops to Focus on IoT and AI technologies**
- **DigiCert Joins NIST Consortium on Effective TLS Server Certificate Management**
- **From Top to Bottom: A New Approach for Cybersecurity in Airports**
- **New Technology May Help Airlines Cut Fuel Use and Travel Time**
- **July 2018 WiMAX Forum Monthly Newsletter**

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