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The header features a dark blue background with a glowing green and blue network grid overlaying a globe. The WiMAX Forum logo, consisting of two overlapping circles, is positioned to the left of the text.

WiMAX FORUM[®] NEWSLETTER

SEPTEMBER 2018

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INTRODUCTION

Dear Respected Colleague,

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

Last month, the WiMAX Forum President **Declan Byrne**, delivered presentations on the latest AeroMACS developments in Brazil and China. 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. In addition to the WiMAX Forum presentation, **CelPlan Technologies** presented the challenges and advantages of AeroMACS implementation in Brazilian airports. In Beijing, China, the AeroMACS Conference was organized by Aviation Data Communication Corporation (**ADCC**) with participants from ATMB, Boeing, CAAC, **Honeywell**, **JEZETEK**, **Siemens**, airlines, pilots and others.

This month, the WiMAX Forum will attend the **ACI-NA Annual Conference & Exhibition** which will take place in Nashville, TN on September 30-October 2 and the **ATCA Annual Conference and Exposition** which will take place in National Harbor, MD on September 30-October 3. WiMAX Forum member companies will participate in the exhibition of these events, showcase their AeroMACS products and demonstrate to participants why AeroMACS is the wireless solution selected to support the increasing need for data communications and information sharing on the airport surface.

Next month, on October 9-19, 2018 at the ICAO Thirteenth Air Navigation Conference in Montreal, Canada a working paper entitled **AeroMACS Development in China** will be presented. Both China State Radio Commission and the Radio Commission of CAAC support the AeroMACS technology. CAAC has been formally authorized with the frequency to cover 110 airports and provide service in China. ATMB of CAAC has already deployed AeroMACS networks in 13 airports including Beijing Capital International airport.

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. 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 wonderful remainder of September, a prosperous October, 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 Development in China at ICAO Thirteenth Air Navigation Conference**

This paper presents Aeronautical Mobile Airport Communication System (AeroMACS) is being developed to provide a new broadband wireless communications capability for safety critical communications in the airport surface domain, providing connectivity to aircraft and other ground vehicles as well as connections between other critical airport fixed assets. This paper presents the development of applications based on AeroMACS in 13 airports in China since 2014, the AeroMACS development in China has progressed from basic system performance testing, D-TAXI assistance application for aircraft and ground vehicles development.

To read the working paper details, please click [here](#).

• **Pilot Work on Airport Scene Operation and Application Based on New Technology Has Achieved Initial Results**

The reporter recently learned from the Civil Aviation Administration Air Traffic Control Office that the Beidou combined airport Aeronautical Mobile Communication System (AeroMACS) airport operation application pilot project started at the Zhangjiajie Hehua Airport in May this year. Phased results have been achieved. On August 30th, the joint investigation team of the Air Traffic Control Office of the Civil Aviation Administration, the Central and Southern Regional Administration of Civil Aviation, and the Hunan Provincial Supervision Bureau of the Civil Aviation Bureau went to the Zhangjiajie Hehua Airport for on-the-spot investigation.

To read the entire article, 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:

	October 16-18 Dallas, Texas For more information visit: IoT Security Summit
	October 16-18, 2018 Barcelona, Spain For more information visit: IoT Solutions World Congress
	October 17-18, 2018 Dallas, TX For more information visit: Next Gen Wireless Networks Summit
	November 14-16, 2018 Orlando, Florida For more information visit: Industry of Things World USA East
	November 23, 2018 Amsterdam, Netherlands For more information visit: 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**
- **Fonti**
- **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 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 has completed the WiMAX Forum® AeroMACS Test Suite Structure and Test Purposes (TSS&TP) Specification 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 a conference call to members 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 September:

- **[AeroMACS Development in China at ICAO Thirteenth Air Navigation Conference](#)**
- **[NPSTC: Results of Spectrum Sharing Still Unclear, Protecting Incumbents Unresolved](#)**
- **[The Benefits of Digitising Airport Operations](#)**
- **[Comodo CA Will Be Changing Its Company Name and Debut as a New Brand This Fall](#)**
- **[Flight Forecast to 2040 - Challenges of Growth](#)**
- **[Industry of Things World USA East](#)**

- **Industry Praises FAA's "Proactive, Forward-Thinking" Efforts**
- **DigiCert, Gemalto and ISARA Partner to Ensure a Secure Future for the Internet of Things (IoT) as the Quantum Computing Age Dawns**
- **ICAO and EASA Come Together to Support Aviation in South East Asia**
- **A System to Save Beluga Whales, the Fire Truck of the Future and the Latest IoT Innovations at IOTSWC 2018**
- **U.S. Department of Transportation Announces \$586 Million in Airport Infrastructure Grants**
- **ETSI Work Programme 2018 - 2019**
- **Korea's KT Opens 5G Lab to Promote Collaboration with Partners**
- **European Countries Join to Mitigate Weather Delays**
- **ICNS Call for Participation 2019**
- **FCC's Rosenworcel Urges Rethink on 5.9 GHz Band**
- **Nation to Further Open Aviation to Private Investments**
- **Next Gen Wireless Networks Summit**
- **ICAO Safety Report Confirms 2017 as Aviation's Safest Year**
- **Montenegro Mobile Users Increase by 6.5% in July**
- **Pilot Work on Airport Scene Operation and Application Based on New Technology Has Achieved Initial Results**
- **Do Airports Need to Be Mandated to Adopt Cybersecurity Practices?**
- **European Chiefs Demand Clarity on Single Sky**
- **Oversight Committee to Approve Critical Aviation Guidance Documents**
- **Connected World Summit**
- **Cooperation Agreement Between EUROCONTROL and the SESAR Deployment Manager**
- **Expert Calls for Regulators to Leave 5G Specs to Industry**
- **Germany Nears 'Peak Air', Airways to Use Brakes on Progress to Repair Capability Crunch**
- **Deeper Dive—Will Growth in Data Traffic Ever Slow Down?**
- **"When It Comes to Cybersecurity, You Must Act Every Week" States Vanderbilt's Kim Loy**
- **Standards Oversight Committee Acts on Safety, Security and Emerging Technologies**
- **FCC Plans to Inject \$1.5 Billion into Rural Broadband Expansion**
- **China's CAAC Targeting Private Investment for 28 Aviation Projects**

- **Why Cybersecurity Is Becoming A Top-Priority Investment**
- **Next Gen Wireless Networks Summit**
- **CBRS Alliance Explores 3.5GHz Deployment Scenarios**
- **Bangladesh Nears 89 mln Internet Subscribers in July**
- **Growing Attention on Cybersecurity in Aviation**
- **August 2018 WiMAX Forum Monthly Newsletter**



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