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INTRODUCTION

Dear Respected Colleagues,

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

We are pleased to confirm the AeroMACS presence at the World ATM Congress in Madrid on October 26-28, 2021. Please keep an eye out, we will be sending an exciting announcement with more details next week. If you are planning to participate, please contact us to schedule a meeting, we will be happy to share with you the latest AeroMACS developments. For more information, please visit: **World ATM Congress 2021**.

The next few months promise much progress with the return of face-to-face meetings and conferences. To foster a prosperous environment, the WiMAX Forum and our Member Companies will participate globally at key industry events. We have been busy preparing to host, attend, and participate at very important meetings and events, in person and virtually to continue bringing the highest value to our Membership as the market share further expands.

In preparation for the first in-person meeting since 2020, the WiMAX Forum is conducting a quick poll regarding your participation at the World ATM Congress in Madrid next month. The poll is hosted in the WiMAX Forum LinkedIn page and you can participate by clicking on the box below.

[Take This Poll](#)

Please let us know, if you are planning to attend the World ATM Congress in Madrid this year. Your feedback is greatly appreciated and will assist us with our planning.

Next month, on November 6-9, 2021, the WiMAX Forum is planning to participate in the ACI-NA Annual Conference and Exhibition, to be held in Reno, Nevada. As details are finalized, we will be certain to keep you informed. For more information, please visit: **ACI-NA Annual Conference and Exhibition 2021**.

Through our participation in events, seminars, webinars, and other meetings we are reaching out to diverse audiences in ways that will best serve all stakeholders, and we will continue the pace throughout the year. Please stay tuned and for more information, visit our website at **WiMAXForum.org**, **YouTube Channel** and Social Media (**Facebook**, **LinkedIn** and **Twitter**).

Please reach out to us directly at Info@wimaxforum.org if you have any questions or comments. We at the WiMAX Forum wish you all a great rest of the month and we hope to see you very 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.

• **Formal Security Verification of the Station-to-Station based Cell-attachment Procedure of LDACS**

Aeronautical communications systems are currently undergoing a modernization process. Analogue legacy systems shall be replaced with modern digital alternatives, offering higher bandwidth, increasing capacity and paving the way for Unmanned Aeronautical Vehicles (UAVs). One modern candidate technology is the L-band Digital Aeronautical Communications System (LDACS), enabling long-range safety-critical digital communications between aircraft and ground.

To review the published paper, please click [here](#).

• **Prospects for advanced technology of civil aircraft**

Today's Smart Civil Aviation Conference, aircraft are indispensable. The development of our aircraft must follow the development of civil aviation, so I want to talk about how to adapt to the future development of civil aviation from the perspective of aircraft. The name is Advanced Technology Prospects. I want more It is applicable to our operations, future smart travel and new generation aircraft. Let's share with you.

To read the translated news, 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>World ATM Congress</p> <p>MADRID, SPAIN, IFEMA, FERIA DE MADRID 26 – 28 OCTOBER 2021</p> | <p>October 26-28, 2021 Madrid, Spain For more information visit: World ATM Congress</p> |
|  <p>RENO 2021 AIRPORTS COUNCIL INTERNATIONAL – NORTH AMERICA ANNUAL CONFERENCE AND EXHIBITION NOVEMBER 6 – 9, 2021</p> | <p>November 6-9, 2021 Reno, Nevada For more information visit: ACI-NA Annual Conference</p> |
|  <p>INDUSTRY OF THINGS WORLD ASIA</p> | <p>November 22-23, 2021 Virtual Conference For more information visit: Industry of Things World Asia</p> |
|  <p>29th Convergence India Expo 23-25 March 2022 Pragati Maidan, New Delhi</p> | <p>March 23-25, 2022 New Delhi, India For more information visit: Convergence India</p> |
|  <p>3rd Annual MarketsandMarkets Industry 4.0: Cybersecurity & IIOT Virtual Conference 23rd - 24th September 2021</p> | <p>May 19-20, 2022 Virtual Event For more information visit: Industry 4.0 Conference</p> |
|  <p>IOT SOLUTIONS WORLD CONGRESS</p> | <p>May 10-12, 2022 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.

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 technical activities are organized 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 and participation is encouraged for all WiMAX Forum Members.

The Working Groups are currently focused on a number of activities to promote growth and innovation of the **AeroMACS** and **Smart Energy** markets, through product certification and various spectrum access solutions. The Aviation Working Group (AWG) acts as a focal point for Worldwide Aviation Industry interest in AeroMACS as a technology for Aviation Applications on a global basis.

AWG members and industry work to develop and maintain specifications related to AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), FCC AeroMACS Petition for Rulemaking, Virtual Conferences, Webinars and other initiatives to support AeroMACS as the standard selected to improve communications at the airport surface. AeroMACS is gaining momentum, achieving important milestones and adding value to the broader aviation industry.

This month, the United States Federal Communications Commission (FCC) has issued a **Public Notice (PN)** to refresh the record on the use of certain spectrum in the 5 GHz

band for unmanned aircraft systems (UAS). In specific to technical requirements, it has been requested to comment on any technical limitations necessary to protect the AeroMACS bands, 5000-5030 MHz and 5091-5150 MHz. If you have any questions, comments or concerns and would like to discuss the details with us, we would be delighted to speak with you. You may contact us at info@WiMAXForum.org.

AWG members collaborate with the International Civil Aviation Organization (**ICAO**) and other organizations so that security policies and specifications produced can serve as guidelines to other groups in the industry that are planning AeroMACS deployments as well as serving as a PKI model for other Aviation technologies. AeroMACS has demonstrated in the past years the immense potential and benefits as the technology selected to support the safety and regularity of flights.

The **AeroMACS PKI** is provided by the WiMAX Forum in partnership with **Eonti** as the Management Authority (MA). Eonti is responsible to manage and implement AeroMACS PKI to ensure AeroMACS operational networks are secure. Strategic guidance for the AeroMACS PKI Program is provided by the AeroMACS Advisory Council (AAC), which is a collaborative body comprised of Members of the WiMAX Forum and the International Civil Aviation Organization (ICAO), that will promote effective public-private dialogue consistent with the AeroMACS Certificate Policy and ICAO policies, thereby helping promote optimum interoperability and trust among Participants. AeroMACS PKI is commercially available and an overview of the AeroMACS PKI process is available here: [AeroMACS PKI Users Overview](#).

The Smart Energy Working Group (SEWG) acts as a focal point for Mining, Oil and Gas, and Utility interests in WiMAX as a technology for Smart Energy Applications, and will promote WiMAX as the premiere technology for Smart Energy Applications on a global basis. SEWG members continue to work with IEEE to bring to market devices for narrowband applications and other sub 1GHz spectrum. The IEEE 802.16t project specifies operation in licensed spectrum for mission critical entities that have a strong preference for private, licensed networks for their data communications needs. If you are interested in participating on this activity, please contact us.

The WiMAX Forum Working Groups are chartered to bring industry leaders together to collaborate and contribute to the development of technical specifications, technical requirements, harmonization of documents, and provide coordinated recommendations to advise the Forum. For more information on our Working Groups, please visit: [WiMAX Forum Working Groups](#).

Participation by industry experts and organizations is crucial 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 happy to speak with you about this opportunity.

Working Group activity is integral to the success of the Forum, and your participation is important!

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:

- [SESAR Solutions Catalogue 2021: Fourth edition](#)
- [World ATM Congress 2021 - Registration Open](#)
- [Rosenworcel Remarks to NTIA Spectrum Policy Symposium](#)
- [RTCA September 2021 Digest](#)
- [FAA Awards More Improvement Grants to Airports](#)
- [Europe Has Stalled: Is The Recovery In Trouble?](#)
- [China's CAAC to support airlines after double-digit decline in August](#)
- [Sustainability: Leonardo confirmed as UN Global Compact LEAD](#)
- [Air Travel Consumer Report: July 2021 Numbers](#)
- [RTCA Webinar: Innovation and U.S. Airport Infrastructure](#)
- [60% Of Passengers Are Ready To Fly, But Barriers Still Remain](#)
- [DigiCert Trust Solutions Partner Program enables partners to deliver PKI solutions to their customers](#)
- [U.S. Airlines Show First Profit Since COVID-19 in 2nd Quarter 2021](#)
- [ACI Europe: Traffic uplift in July and August cannot be classed as recovery](#)
- [China International Flight Restrictions Set to Last to Mid-2022](#)
- [Iata warns airlines face 'risks' to recovery](#)
- [Leonardo and Northrop Grumman join forces on future rotorcraft UAS opportunities](#)
- [Convergence India Announced](#)
- [Cybersecurity seen as rising risk for airlines after 9/11](#)
- [Wireless Telecommunications Bureau Seeks To Refresh the Record on Unmanned Aircraft Systems Use of the 5 GHz Band](#)
- [EuroControl Data Snapshot: The recovery this summer to 70% of 2019 flights conceals wide variations](#)
- [The Growing Importance of Secure Remote Document Signing](#)
- [Airport capital investment: Addressing challenges beyond the pandemic](#)
- [July Passenger Traffic Boost, but Well Below Pre-COVID Levels](#)
- [China expected to keep curbs on int'l flights throughout H1 2022 - Air China to analysts](#)
- [Ondas Holdings Announces Upcoming Investor Events](#)
- [Airlines warn risks from 5G are too big to ignore, but is it all hot air?](#)

- **Conception and exploration of smart civil aviation**
- **DigiCert Announces New Trust Solutions Partner Program, Giving Partners Growth Opportunities and the Ability to Offer Innovative PKI Solutions to Customers**
- **Iata reports rising optimism and 'some relief' to airline finances**
- **The 'new normal' for cybersecurity**
- **AVSEC2021: an unusual event, because business is NOT as usual**
- **FAA Announces \$766 Million in Grants for Safer, Sustainable, Accessible Airports**
- **China's civil air transport sees solid growth in H1**
- **Biden faces looming deadline for FCC pick as acting chair's term winds down**
- **SESAR JU project keeps an ear to the ground about urban air mobility**
- **Are you ready for travel and face-to-face meetings again this year?**
- **RTCA Webinar Recording: Airports - Critical Components in Future Transportation Infrastructure**
- **FCC Seeks to Refresh the Record on C-Band Spectrum for Drones**
- **New Integration: DigiCert CertCentral**
- **Europe's airlines and airports face 'upcoming storm'**
- **Siemens USA CEO on Upgrading Power Grid**
- **FAA invests \$766 million into grants awarded to U.S. airports**
- **Cybersecurity group is on aviation's front lines against hackers**
- **August 2021 WiMAX Forum Monthly Newsletter**



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