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INTRODUCTION

Dear Respected Colleague - Happy New Year! We at the WiMAX Forum hope that you all had a wonderful holiday season! We believe 2016 will be a great year for the WiMAX ecosystem and our membership. We as an industry body, with the help of our participating **member companies**, are busy doing important work to keep WiMAX technology moving forward.

We began the year with a tremendous accomplishment from the **Aviation Working Group (AWG)**. With the approval of Radio Conformance Tests (RCT) procedures, the WiMAX Forum **AeroMACS Designated Certification Laboratory (ADCL)** Powertech Labs is now open for Wave 1 AeroMACS Certification, the first of two phases for AeroMACS certification. More details about AeroMACS Certification at the **Working Group** section of this Newsletter.

As this coming year promises further momentum, we will continue to host and participate in several industrial events with the expectation that these markets will continue to increase in value as WiMAX's market share continues to expand.

The WiMAX Forum is excited about another great event season. Look for more information on **AeroMACS**, **WiGRID**, **WiMAX Advanced**, as well as other **upcoming events** to be announced as of yet.

Here is the summary of upcoming events that we are hosting and participating in the coming months:

- **WiGRID 2016 - DistribuTECH** on February 8, 2016. WiGRID 2016 will be a pre-conference session at **DistribuTECH** in room W313 at Orange County Convention Center, Orlando, FL. It will present up-to-date information on the FCC activity, WinnForum & Spectrum Access System (SAS) updates, 3.65GHz & 4.9GHz bands, and 700MHz narrowband channel.
- **Industry of Things World USA 2016** held on February 25-26, 2016 at the Hard Rock Hotel in San Diego, CA. WiMAX Forum CTO **Dr. Nima PourNejatian** will discuss "Aviation Internet of Things" and other topics at World Café Roundtable 1 (Group A) on Friday, February 26 at 11:00AM.
- **Dynamic Spectrum Sharing Summit 2016** held at **IWCE** on March 21-25, 2016 at the Las Vegas Convention Center, Las Vegas, NV. WiMAX Forum President **Declan Byrne** will speak about the rules and opportunities in the 3.5GHz band. More details about his speaking role will come soon.

Similarly, we plan to attend and participate at the following industrial market events: **ACI-NA Annual Conference**, **AAAE Annual Conference**, **AEEC AeroMACS Working Group**, **ATCA**, **DistribuTECH**, **ICNS**, **Industry of Things World USA**, **UTC Telecom**, **UTCAL**, **Wireless China Beijing**, **World ATM Congress**, and **more**. As details concerning these events become available we will communicate them to you.

As a reminder the WiMAX Forum is currently winding down the bulk of its renewal season. Many of your organizations have been contacted by our membership and finance teams by now. As always we stand ready to answer any questions that you have. Please don't hesitate to reach out to our Finance team lead, **Mr. Jack Daniels**, should you have any questions or comments.

If you have any questions regarding any of this or our organization's activities, please reach out to us.

We look forward to continuing to work with you in 2016!

Best Regards,

WiMAX Forum

EVENTS

In January, the WiMAX Forum continues to stay busy planning and attending events. We will continue our efforts to bring you quality events directly hosted by the WiMAX Forum, and we will be present and participate at key industry events. The WiMAX Forum team looks forward to seeing you at of these events.

The following is the summary of the upcoming events:



WiGRID 2016 - DistribuTECH will be a pre-conference session at **DistribuTECH** on **Monday, February 8, 2016 in Room W313 at the Orange County Convention Center in Orlando, FL**. The program will focus specifically on supporting the Smart Grid community in deploying effective and affordable WiMAX networks to support their communication initiatives.

WiGRID 2015 - DistribuTECH will present up-to-date information on the FCC activity, WinnForum & SAS updates, and 3.65GHz & 4.9GHz. Additionally, the **Smart Energy Working Group (SEWG)** will meet for continuation of group business, and attendees are invited to observe. The event will highlight the opportunities, challenges, and strategies involved in operating a profitable WiMAX network. Participation in this event is free to attendees of DistribuTECH.

For more information and registration, please visit **WiGRID 2016 - DistribuTECH**.



The primary value in an IoT system is its ability to perform analytics on the acquired data and extract useful insights however building a pipeline for performing scalable analytics with the volume and velocity of data associated with IoT is no simple task. The **IoT Data Analytics & Visualization Summit** is the first dedicated event to tackle and showcase the ways in which companies can evolve their strategy and focus from just connecting things to capturing insights in order to achieve true value from IoT. It will take place on **February 9-11, 2016 at Crowne Plaza Palo Alto, CA.**

The WiMAX Forum is proud to be a supporting organization!

For more information and registration, please visit: [IoT Data Analytics & Visualization 2016](#).



Industry of Things World USA is a new international knowledge exchange platform bringing together all stakeholders playing an active role in the industrial Internet of Things scene. Over 2.5 days, you will get inspirational keynotes and well moderated, interactive world cafe sessions, workshops, briefings, panel discussions, and network activities. It will take place on **February 25-26, 2016 at the Hard Rock Hotel in San Diego, CA, USA.**

The WiMAX Forum is proud to be a supporting organization and will be at Industry of Things World USA 2016!

Come see **Dr. Nima PourNejatian**, WiMAX Forum CTO, discuss "Aviation Internet of Things" at World Café Roundtable 1 (Group A) on Friday, February 26 at 11:00AM.

For more information and event registration, please visit [Industry of Things World USA 2016](#).



The **Dynamic Spectrum Sharing Summit 2016** at IWCE showcases the Enabling Technology, Business Models and Policy Framework to Foster Dynamic, Secure and Efficient Allocation and Utilization of Wireless Spectrum. Dynamic Spectrum Summit focuses on business models, enabling technologies and regulatory challenges to a more flexible spectrum ecosystem that both preserves the spectrum licensing system in place and provides for innovative uses and utilization of spectrum for mobile communications, services and applications. It will take place on **March 21-25, 2016 at the Las Vegas Convention Center, Las Vegas, NV.**

The WiMAX Forum is proud to be a supporting organization and will be at Dynamic Spectrum Summit 2016!

Come see **Declan Byrne**, WiMAX Forum President, speak about the rules and opportunities in the 3.5GHz band. More details about his speaking role will be posted soon.

For more information and registration, please visit: **Dynamic Spectrum Sharing Summit 2016.**



Broadband TV Connect Asia is the largest, content-led Telecoms and Media event in Asia. Bringing together both telecoms and connected entertainment communities, it is the best platform to engage operators and broadcasters in the Asia-Pacific region. It will take place on **April 11-13, 2016 at Shangri-La Hotel, Jakarta, Indonesia.** Exclusive access to a C-level audience, delivering meetings and learning experiences for real business gains; this is the leading forum for high level networking across telecoms, broadcasting, and the entire connected community.

The WiMAX Forum is proud to be a supporting organization!

For more information and event registration, please visit **Broadband TV Connect Asia 2016.**



Internet of Things North America 2016 is an innovative event covering advanced connectivity and cloud based monitoring/control of devices, facilities, automobiles, people, and enterprise operations. Already in its third year, the 2016 event will once again be held in **Chicagoland area on April 13-14, 2016**. This event provides a forum to discuss new developments in technology, market conditions and end-user requirements, capabilities and features and IoT industry.

The WiMAX Forum is proud to be a supporting organization!

For more information and event registration, please visit [Internet of Things North America 2016](http://www.IoTna.com).



TV Connect 2016 is the principal global based show focusing on the evolution of the Connected Entertainment industry, bringing together a unique mix of leaders in OTT TV, Pay TV, Broadcast, Cable, Broadband and Telco, with leading Technology Providers. Taking place in at **London's ExCeL Centre on 26th - 28th April 2016**, this market leading industry event translates trends, experiences and meetings into actionable business insight through focused content and concentrated networking opportunities, enabling the development of Next Generation Entertainment on a global scale.

The WiMAX Forum is proud to be a supporting organization!

For more information and registration, please visit: [TV Connect 2016](http://www.tvconnect.com).

Sponsorship Opportunities: Increase your presence at the WiMAX Forum events through a sponsorship! Our high-profile events offer sponsors excellent visibility before, during and after the event. For more information about which event sponsorship may best suit your needs, please contact Alessandra Rocha at Alessandra.Rocha@WiMAXForum.org.

The WiMAX Forum plans to host and participate in other events over the course of 2016. 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 is committed to delivering the value necessary for our members to get the most of their association with the WiMAX Forum, and we are always happy to engage with individual members to discuss how the WiMAX Forum can better serve its membership. **WiMAX Forum Membership** provides a wide range of benefits and services that allows WiMAX Service providers to grow their networks and the vendor community to sell more equipment and services.

If you are interested in speaking with our leadership team on our specific initiatives or have questions regarding WiMAX Forum Membership, please send a message to **Membership@wimaxforum.org**.

The WiMAX Forum would like to extend a special welcome to the new members from 2015-2016:

- **[American Association of Airport Executives \(AAAE\)](#)**
- **[Alpha Tel S.A.](#)**
- **[Gemtek](#)**
- **[RCS Communication](#)**

The WiMAX Forum is the best place for our members to access, leverage, and influence the growth and development of the WiMAX industry. So be a leader in WiMAX and step up to get involved today!

INDUSTRY SPOTLIGHT

• **AeroMACS Could Emerge as an Enterprise Solution for the FAA**

By Juliet Van Wagenen, Editor, Avionics Magazine

The FAA has expressed a "strong desire" to position Aeronautical Mobile Airport Communications System (AeroMACS) as an enterprise solution once the Standards and Recommended Practices (SARPS) adopted by the International Civil Aviation Organization (ICAO) in July 2015 enter into force in November of this year. AeroMACS, a new broadband data link that has the ability to support the ever-expanding range of Air Traffic Management (ATM) communications technologies emerging under the modernization initiatives of NextGen and Single European Sky, is already installed in several airports in the U.S. and is looking to expand its global presence in the coming year.

The AeroMACS system aims to bring wireless, broadband connectivity to airports for surface operations, and can conceivably be brought onto aircraft to interact with avionics systems. **To read the entire article**, please click [here](#).

WORKING GROUPS

The **WiMAX Forum Working Groups** focus on **AeroMACS**, **Smart Energy**, and various spectrum access solutions.

The Aviation Working Group (AWG) and its task groups are starting off 2016 with a key milestone for AeroMACS Certification under their belt! The WiMAX Forum AeroMACS Designated Certification Laboratory (ADCL) is now scheduling Wave 1 AeroMACS Certification! The Certification Task Group (CTG) has approved the Radio Conformance Tests procedures to support this activity and CTG members are now focusing on Protocol Conformance Testing, Interoperability Testing, and any remaining testing to support AeroMACS Certification Wave 2. In other Key initiatives, the PKI task group is developing a Certificate Policy document, which will be included in an appendix in ICAO's Technical Manual and Guidance Material. The group submitted a working paper to **ICAO** Working Group S that summarizes Subscriber elements, paving the way for a globally standardized PKI solution. AWG is continuing its collaboration with ICAO so that policies produced in the group can serve as guidelines to other groups in the industry that are planning AeroMACS deployments. The Forum is finalizing its Service Rule petition to the FCC for the use of AeroMACS Spectrum in the United States. This Service Rule petition will set the ground rules for exploitation of the spectrum for the next 20 years.

Regarding the 3.5 GHz band, the Smart Energy Working Group (SEWG) members are planning to further influence the FCC's CBRS rules that regulate the 3.5 GHz band and to form a viable shared spectrum ecosystem in the United States. The WiMAX Forum submitted **comments** on grandfathered wireless protection zones in response to the FCC Wireless Telecommunications Bureau's Public Notice on its proposed methodology for defining the zone in which grandfathered 3650-3700 MHz licensees will receive interference protection during the transition of that band into the larger 3550-3700 MHz regulatory regime. The WiMAX Forum will host WiGRID 2016, a preconference session at DistribuTECH, on Monday, February 8 to present up-to-date information on the FCC activity, WinnForum & SAS, and 3.65GHz and 4.9GHz bands. You can find more information [here](#).

The WiMAX Forum **Working Groups** are the key to the development of WiMAX technology. Working Groups are chartered by the WiMAX Forum to bring together content experts from member companies to contribute to and harmonize documents and specifications and perform other tasks that the WiMAX Forum has determined to be necessary or useful. Members of the forum have the opportunity to participate as officers of working groups when there are vacancies and to vote on working group output.

The WiMAX Forum organizes its technical activities through a number of Working Groups that produce technical requirements, develop technical specifications, or advise the forum. These groups are coordinated by the Technical Steering Committee.

The WiMAX Forum Working Groups include:

- **SPWG** - Service Provider Working Group - *Requirements & WiMAX Advanced Initiative*
- **SEWG** - Smart Energy Working Group - *Requirements & WiGRID Initiative*
- **AWG** - Aviation Working Group - *Procedures, Profiles & AeroMACS Initiative*
- **TWG** - Technical Working Group - *Technical*
 - **CTG** - Certification Task Group - *Technical*
 - **NTG** - Network Task Group - *Technical*
- **GRWG** - Global Roaming Working Group - *Advisory*
- **RWG** - Regulatory Working Group - *Advisory*

We have a lot to get done in the new year and we need the help of your technical experts in these groups. This is especially true for the Aviation Working Group as they prepare for the next wave of AeroMACS Certification and finalizing a PKI solution for the industry. If you are not a member of a Working Group yet, you can request to join on the group's [Home Page](#). You can learn more about the Working Group activities by visiting the member's workspace area and viewing the outcome of recent Working Group sessions or joining groups to receive emails related to that group's activities. Working Group activity is integral to the success of the Forum.

Your participation is important to the WiMAX community!

Now is the time to get involved. With activities gaining serious momentum, it is a crucial time and a great opportunity to influence and leverage these activities. If you or your company is interested in participation in our [Working Groups](#) or a leadership role, please contact the TSC Chair Rich Hawkins at Rich.Hawkins@WiMAXForum.org. To find more information on our Working Groups, please visit: www.wimaxforum.org/about/working-groups.

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 January:

- [AeroMACS Could Emerge as an Enterprise Solution for the FAA](#)
- [Dimension Data helps major Malaysian WiMAX provider achieve 40% cost savings](#)
- [Airtel Presents Future Communication and Applications at World ATM Congress 2016](#)
- [Cockpit Avionics: NextGen Upgrade Pace and STC Approvals Accelerating](#)
- [Broadband TV Connect Asia 2016](#)

- **BSNL to provide free incoming call facility while roaming**
- **US coalition wants tougher privacy rules for operators**
- **Wireless Recreating Security Defenses**
- **IoT could have a revolutionary effect in developing world, says ITU**
- **WiGRID 2016 at DistribuTECH Conference To Address 3.5GHz Band Challenges and Demands**
- **Choosing the Right Devices for IoT Connected Systems**
- **FCC Aims High in 2016 with Incentive Auction, 3.5 GHz Band**
- **Expect enormous changes in smart grid performance with an optimized WiMAX profile configuration**
- **Why The FAA Says You'll Spend Less Time on the Tarmac in Charlotte**
- **India's next spectrum auction to put ROI stress on top operators**
- **Dynamic Spectrum Sharing Summit 2016**
- **Letter from Greg Reimer, Executive Vice President, Transmission, Distribution & Customer Service, BC Hydro**
- **IT dept to scrap outdated govt sites**
- **Year 2015 - What have been up to in Network & Open Source Incubation team?**
- **FCC chief talks big on auction "extravaganza" but coy on forecasting proceeds**
- **A New Agenda Item for Enterprise Executives The Internet of Things**
- **3.65 Comments Extended**
- **French shared spectrum pilot kicks off**
- **Industry of Things World USA 2016**
- **BSNL adds 105 towers to its network in UP East**
- **Philippine telcos ready for legal battle for 700 MHz allocation**
- **Number of Internet users in Jordan rises to 6.3 million**
- **AeroMACS Takes Flight Globally Delivering Next Generation Communications to the Airport Surface**
- **NTIA Releases Technical Report on 3.5 GHz Sharing**
- **Latest Senza Fili White Paper Forecasts AeroMACS Ready for Takeoff as a Common Platform for ATM**
- **Smart Grid: Drones for Utilities**
- **Airline executives urge privatization of air-traffic control**

- **Public Notice Regarding Requirements for some 3550-3700 MHz Licensees**
- **Evaluating Future Global SWIM Implementation**
- **UQ Surpasses 10 Million WiMAX Contracts**
- **Opening Up of the 3.65 GHz Band Webinar**
- **WiMAX Forum Hosts First AeroMACS Interoperability Demonstration Event**
- **WTB Seeks Comment on 3650-3700 MHz Band Protection Contour Method**
- **December 2015 WiMAX Forum Monthly Newsletter**



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