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INTRODUCTION

Dear WiMAX Community,

In July, the WiMAX Advanced initiative has gained momentum and made good progress on **WiMAX Advanced Release 2.2.** This initiative focuses on WiMAX/TD-LTE RAN deployment, in adjacent-channel and co-channel operation, by a single operator, using a common or partially-common core network. Additional specific functionality is included, with an emphasis on interworking. The WiMAX Forum Technical Steering Committee formed a subcommittee to look specifically at the recently completed requirements for WiMAX Advanced Release 2.2. This committee worked to identify gaps, propose solutions and helped to initiate work items.

The Technical Working Group (TWG) has agreed to lead the effort to develop Stage 2 and Stage 3 Network and Air Interface Specifications. Using the work of the WiMAX Advanced Subcommittee (WMAS) as a basis to initiate work items, members of the TWG and NWG completed Work Item Initiation Forms and approved them for consideration of the Technical Steering Committee. All items have been approved by the TSC and the TWG has begun to develop initial drafts of Release 2.2 Stage 2 and Stage 3 Network and Air Interface Specifications.

Over the coming weeks, the TWG and members of the WiMAX Advanced Subcommittee will be meeting via teleconference and face to face to develop these specification documents. There will be weekly TWG calls starting 6 August and the team will be meeting in person on 26 August in Tokyo and again during the **WiMAX Member Conference** the week of 9 September. The current plan is to have specification development complete and final document published by the end of 2013.

Members are encouraged to join the TWG and WMAS in this effort. Please contact TWG Leadership at **twg-chair@list.wimaxforum.org** or Rich Hawkins (TSC) at **tsc-chair@list.wimaxforum.org** to find out how you get involved.

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

Best Regards,

The WiMAX Forum

EVENTS

In July, the WiMAX Forum continues to stay busy planning and attending events. The WiMAX Forum team looks forward to seeing you at our events this year. Following is the summary of the upcoming events:

WiMAX for Aviation: AeroMACS Webinar

For years the global Aviation Industry has been working to decide how and when to upgrade the communications technology within its networks. A major consideration for these companies is the broadband technology available to improve communication performance.

WiMAX technology is the ideal solution for airport surface communications network deployments. WiMAX is a mature technology currently being deployed in many countries across the world for a diverse set of applications including Aviation, Utilities, Oil & Gas, Transportation, Health Care, E-Learning, Security and more.

Learn how WiMAX has been chosen as the technology of choice to provide wireless connectivity in the Aviation Industry and is already doing major deployments today.

Join our **Free Live Webinar** on **Tuesday, August 13th** to hear **Declan Byrne**, the WiMAX Forum President discuss the importance of this standardized solution for Aviation looking to add a wireless component to their networks. He will also discuss the **WiMAX Aviation Summit 2013** which has already attracted broad industry participation.

For additional information and registration, please visit: **WiMAX for Aviation: AeroMACS Webinar**

Please contact Alessandra Rocha at **Alessandra.Rocha@WiMAXForum.org** if you have any questions about the Webinar.

WiMAX Member Conference Washington DC 2013

The WiMAX Forum is delighted to announce the next **WiMAX Forum Member Conference**, which will take place September 9-12, 2013 in the historic Washington, DC, USA.

WiMAX Forum Members are encouraged to register for the Member Conference and reserve a hotel room as soon as possible.

Please contact Sophia Chang at **Sophia.Chang@WiMAXForum.org** if you have any questions about the Washington DC Member Conference.

WiMAX Aviation 2013

The WiMAX Forum is also pleased to announce the first Aviation Event in the WiMAX Forum: **WiMAX Aviation 2013**, which will be co-located with our **Member Conference** at the **Hilton Crystal City**, on Tuesday, September 10 and Wednesday, September 11, 2013.

This newly renovated hotel is ideally located next to the Reagan National Airport along the Potomac River with dramatic views of Washington DC. This event will focus specifically on supporting the global Aviation Community in managing profitable development and growth of their WiMAX networks.

The WiMAX Forum will host a cocktail reception for networking purposes on the evening of Tuesday, September 10th that will be open to attendees of both events.

WiMAX Aviation 2013 is an event for all participants to meet, exchange ideas, and develop business and cooperative relationships. The event will highlight the opportunities, challenges, and strategies involved in operating a profitable WiMAX network in the Aviation field. This event is constructed to allow the global Aviation Community to network, share key lessons, and collaborate for the benefit of the industry. Our goal is for attending participants to gain concrete knowledge that will help them build profitable WiMAX businesses.

WiMAX Aviation 2013 will be an interactive working event and **there will be no registration fee**. Participation in this event is free and open to all participants of the WiMAX ecosystem, and **membership in the WiMAX Forum is not a requirement to attend**.

For additional information and registration, please visit: **WiMAX Aviation 2013**

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WiMAX Oil & Gas 2013

WiMAX Oil & Gas 2013 will be a pre-conference session at **OilComm** on Wednesday, November 6th, 2013 at the Hilton Americas in Houston, TX. The event will focus specifically on supporting the Oil & Gas community in deploying effective and affordable WiMAX networks to support their communication initiatives.

All operators and vendors are invited to this event to meet, network and discuss ideas with the goal of fostering a prosperous environment and future for the WiMAX Oil & Gas ecosystem. The event will highlight the opportunities, challenges and strategies involved in operating a profitable WiMAX network.

This event is constructed to allow the participants to network, share key lessons and work together for the benefit of the industry. Our goal is for attendees to gain concrete knowledge that will help them build profitable WiMAX businesses.

WiMAX Oil & Gas 2013 will be an interactive conference. Participation in this event is free to attendees of the OilComm Full Conference Program. WiMAX Oil & Gas 2013 is open to all participants of the WiMAX ecosystem, and membership in the WiMAX Forum is not a requirement to attend.

For additional information and registration, please visit: **WiMAX Oil & Gas 2013**

WiMAX Africa 2013

WiMAX Africa 2013 will be collocated with Informa Telecom & Media's **AfricaCom** on Monday, November 11th, 2013 at the Cape Town Convention Centre in Cape Town, South Africa. Last year's WiMAX Africa event attracted over 100 attendees including 46 representatives of 32 different WiMAX operators. This year's event will focus specifically on supporting the African operator community in developing and managing profitable growth of WiMAX network deployments.

WiMAX Africa 2013 is an event for all participants, both operators and vendors, to meet, exchange ideas, and develop business and cooperative relationships. The event will highlight the opportunities, challenges, and strategies involved in operating a profitable WiMAX network in Africa.

WiMAX Africa 2013 will be an interactive working event, and there is no registration fee. Membership in the WiMAX Forum is not a requirement to attend.

For additional information and registration, please visit: **WiMAX Africa 2013**

The WiMAX Forum has plans to host and participate in other events over the course of 2013. As details concerning these events are finalized, we will be certain to keep you informed.

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.

Sponsorship opportunities include:

- Media Sponsorship
- Diamond Sponsorship *(WiMAX Forum Members Only)*
- Platinum Sponsorship *(WiMAX Forum Members Only)*
- Gold Sponsorship *(WiMAX Forum Membership **NOT** Required)*

For more information about which event sponsorship may best suit your needs, please contact Alessandra Rocha at **Alessandra.Rocha@WiMAXForum.org**.

For more information about our events please visit: **WiMAX Forum Events**

MEMBERSHIP SERVICES

There are currently 106 members of the WiMAX Forum in good standing. The WiMAX Forum would like to extend a special welcome to the newest members in 2013:

- **Ancor Distribution Management**
- **Busyinternet**

- **RuggedCom**
- **Synkro Southwest, LLC (Local Loop)**
- **Xcel Energy**

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 WiMAX Forum can better serve its membership.

If you have questions regarding your membership, please contact Raul Rigo at **Raul.Rigo@WiMAXForum.org; +1-305-582-7590**.

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!

WORKING GROUPS

The **Smart Grid Working Group** has revised its charter to include other industry application like Oil & Gas and Mining. The group has been renamed to the "**Smart Energy Working Group**". This group is currently working towards a WiGRID PlugFest event that will result in the first "WiGRID Certified" products. If you would like to learn more and get involved, please join the SEWG here: **Smart Energy Working Group**

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:

- **AWG** - Aviation Working Group - *Procedures & Aviation Initiative*
- **CWG** - Certification Working Group - *Technical*
- **GRWG** - Global Roaming Working Group - *Technical*
- **NWG** - Network Working Group - *Technical*
- **RWG** - Regulatory Working Group - *Advisory*
- **SPWG** - Service Provider Working Group - *Requirements*
- **SEWG** - Smart Energy Working Group - *Requirements & WiGRID Initiative*
- **TWG** - Technical Working Group - *Technical*

SMART ENERGY WORKING GROUP

The **Smart Grid Working Group** has revised its charter to include other industry application like Oil & Gas and Mining. The group has been renamed to the "**Smart Energy Working Group**". This group is currently working towards a WiGRID PlugFest event that will result in the first "WiGRID Certified" products. If you would like to learn more and get involved, please join the SEWG here: **Smart Energy Working Group**

CHARTER:

- The Smart Energy Working Group acts as a focal point for the Mining, Oil and Gas, and Utility interest 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.
- To define Mining, Oil and Gas, and Utility requirements and technology profiles that drive the network and air interface specifications and certification for WiMAX networks and products to ensure the development of a healthy eco-system of interoperable Smart Energy centric product solutions.
- To establish a platform for the Mining, Oil and Gas, and Utility Industries to provide input to the WiMAX Forum.
- This provides a formal method for the Mining, Oil and Gas, and Utility Industries to communicate with the marketing working group, technical working groups and WiMAX Forum Board of Directors.

The **Smart Energy Working Group** recently elected two new vice chairs. Lee Lipes from **RuggedCom** and Craig Tedrow from **GE Digital Energy** are the newly elected Vice Chairs of the SEWG.

If you are not a member of a Working Group yet, you can request to join on the group's **Home Page**. Or if you want to take an active role in one or more of the Working Groups, you can use the group chair link on that same page to contact the chairman of the group and to see how you can help.

We still have remaining vacant officer positions. If you or someone from your company is interested in becoming an officer of a Working Group, please contact that working group's chair or the TSC chair for details.

- **NWG** - Vice Chair & Secretary
- **TWG** - Chair & Secretary

Your participation is important to the WiMAX community!

Working Group Meetings are held in-person ("face-to-face") or by teleconference. Dates and venues shall be determined taking into account Working Group needs and requests. To encourage cross Working Group discussions in support of the overall program goals, the WiMAX Forum co-locates the face-to-face meetings of multiple Working Groups at our Member Conferences.

You can learn more about the Working Group activities by visiting the member's area in Kavi 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.

If you or your company is interested in nominating someone for a working group leadership role, please contact the TSC Chair Rich Hawkins at **Rich.Hawkins@WiMAXForum.org**

DOCUMENTS & LINKS

The WiMAX Forum has many programs and initiatives planned for this year, including hosting the Operator Summit Series and quarterly Member Conferences. If you are not familiar with how to get the most out of your existing WiMAX Forum membership, please refer to the following documents:

- **WiMAX Forum Certification Program Overview**
- **WiMAX Public Key Infrastructure (PKI) (X.509 certificates)**
- **Technical Activities and Working Groups**
- **WiMAX Forum Events Overview and Calendar**
- **Contact Information for Regional Offices**
- **Procedures for Registration & Kavi Tutorial**

These documents will assist you with the integration of your company into our organization. We look forward to your participation in the WiMAX Forum this year.

Please send a message to **membership@wimaxforum.org**, if you have any questions or comments.

WiMAX FORUM NEWS

WiMAX Forum, in partnership with Multiview, has launched its weekly WiMAX Newsbrief. This weekly summary of news from around the WiMAX ecosystem is intended as a benefit to our members. If you do not yet receive the Newsbrief and wish to do so, please sign up here: **WiMAX Newsbrief**.

Below is a summary of the month of July:

- **WiMAX for Aviation: AeroMACS — Considerations to Foster Innovation on the Communication Networks — Free Webinar**
- **Huawei sets out its 5G stall**
- **Magic implements monitoring and control system for Safe City project in Buenos Aires**
- **AfricaCom: Nov. 12-14, Cape Town, South Africa**
- **ITC and Huawei in partnership to upgrade core network**
- **Airspan offers 5.x GHz 4G platform to replace Alvarion base station equipment with special replacement purchase credit 0ffer**
- **Geelong — WiMAX Networks — under construction**
- **Tera Kora residents go with the Flow**
- **Enforta expands services for St Petersburg transport company**
- **Consolidated Bakeries sweet with telemetry technology**

- **HTC One Max rumor roundup**
- **RIL telecom capex rises by $34**
- **Evolved Packet Core Architecture and network element Functionality**
- **India, Israel to work for development of 5G technology**
- **WiMAX Africa Operators Summit**
- **New player in WiMAX**
- **Millennium and Copthorne opens 1st MC**
- **Isola expands production of RF/microwave materials in Germany to support European OEMs**
- **Telecentras becomes 3rd-largest ISP**
- **Axiologix continues purchase plans with addition of $3 million cloud service provider**
- **Enforta connects 1st corporate subscribers in Mari El**
- **ISP services expand in South Sudan despite cost, lack of infrastructure**
- **Enforta wins contract at Vostochny Express Bank**
- **4G Online Training Course Series**
- **Advice from CenterPoint on managing smart grid communications**
- **WiMAX Aviation 2013**
- **WiMAX Oil & Gas 2013**
- **WiMAX Africa 2013**
- **TTK to launch WiMAX networks in 19 cities in 2013**
- **O3b's new satellite constellation to provide high-speed connectivity to South Sudan**
- **Axiologix continues its acquisition plans with the addition of $3 million cloud service provider**
- **Posta Romana starts distributing SNR's WiMAX services**
- **Top rated fixed broadband service in South Africa**
- **2 new Wi-Fi/WiMAX patents represent breakthrough in medical simulation technology**
- **Thales to provide the security systems for the 2nd phase of the Ferrol external port**
- **Live online training: 4G (WiMAX or LTE) network optimization**
- **DLR flight tests next-gen communications system**
- **CBO completes Solomon Islands network**
- **Keeping radar technology on the defense radar**
- **Freshtel plans to expand WiMAX network to 4 more towns**
- **Mobily in talks to acquire Atheeb Telecom stake**
- **SPTC starts selling new products**
- **Why WiMAX will not fail**
- **CelPlan Technologies is pleased to announce the online edition of its 4G Technologies and Network Design Course**

- **Next generation integrated digital cockpit-cabin communications tested over Europe**
- **Beeline expands network in Blagoveshchensk**
- **Enforta provides services for confectionery company**
- **Enforta starts services in Novokuznetsk suburbs**
- **Giraffe expands WiMAX network in Kherson**
- **WiMAX Forum June 2013 newsletter**

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