IEEE 802ECSG
OmniRAN

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| Minutes of OmniRAN EC SG Meeting in York, UK September 4th, 2013 |
| Date: 04-September-2013 |
| Author(s): |
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Abstract

Minutes of the OmniRAN EC SG meetig on September 4th, 2013.

**Wednesday, September 4th, 2013**

Chair: Max Riegel

Recording secretary: Juan Carlos Zuniga

**Call to order**

* Meeting called to order on Wednesday 4th, September, 2013 by Max Riegel at 13:15 hrs (BST).

**Appointment of recording secretary**

* Juan Carlos Zuniga volunteered to take notes

**Roll Call**

|  |  |
| --- | --- |
| **Name**  | **Affiliation**  |
| (Physical attendance) |  |
| Max Riegel  | NSN  |
| Juan Carlos Zuniga  | InterDigital  |
| Sam Sambasivan  | AT&T |
| Xin Chang | Huawei |
| (Conference call attendance) |  |
| Paul Congdon | Tallac |
| Roger Marks  | Consensii  |
| Xiaobo Long | Goldman Sachs |

**Agenda**

* <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0065-00-ecsg-september-2013-york-f2f-agenda-material.pptx>
	+ Call Meeting to Order
	+ Secretary position
	+ Attendance recording
	+ Approval of agenda
	+ Approval of minutes
	+ Reports
		- Discussions with 802.1
		- Communication with IETF
		- Communication  with ONF
	+ Content of ‘Stage 2’ document
		- Legacy guidance
		- WiMAX NWG Stage 2
		- Initial draft ToC of IEEE 802 ‘Stage 2’
	+ PAR & 5C texting
	+ AOB
	+ Adjourn
* Agenda approved without objections

**Approval of minutes**

* Minutes of Geneva F2F session:
	+ <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0061-00-ecsg-meeting-minutes-of-geneva-jul-2013-f2f-session.docx>
	+ Approved without objections
* Minutes of Aug 7th conference call:
	+ <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0062-00-ecsg-meeting-minutes-of-aug-7th-conference-call.docx>
	+ Juan Carlos asked about the correction of the liaison report to 802.11, as brought up in the Aug 7th conference call.
		- The chair explained that the report in the OmniRAN filespace on mentor was corrected and the misleading document was removed from mentor
	+ Approved without objections

**Reports**

* Report on outcome from closing EC meeting in Geneva
	+ The chair reported about the current objectives based on the presentation to the EC at the last closing plenary.
		- <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0057-00-ecsg-omniran-ec-closing-report.pptx>
	+ OmniRAN EC SG got the task to deliver a PAR & 5C proposal for a Recommended Practice for Network Reference Model and Functional Description of IEEE 802 based Access Networks.
	+ Submission deadline to the EC for the proposal is October 11th, 2013.
	+ A series of teleconference meetings were scheduled to have sufficient discussion time to conclude on the proposed wording. Dial-in details and proposed agendas are available on the OmniRAN ECSG website:
		- Tue, Sep 17th, 730-930 am ET/1930-2130 Nanjing, F2F session w/ remote participation
		- Fri, Sep 27th, 2013, 09-11am ET: Confcall
		- Fri, Oct 4th, 2013, 09-11am ET: Confcall
		- Thu, Oct 10th, 2013, 09-11am ET: Confcall
* Discussions with 802.1
	+ Max Riegel reported that he had discussions with the security group of IEEE 802.1 the day before to discuss the 802.1 related results of the gap analysis. He provided two presentations to 802.1, which he shortly brought up for information:
	+ Network Detection and Selection in 802 networks
		- <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0063-00-0000-ieee-802-gaps-network-detection-selection.pptx>
		- Agreement was reached that presented extension to IEEE 802.1X might be useful and a functional description should be included in the planned Recommended Practice.
	+ Point-to-point links across bridged infrastructures
		- <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0064-00-0000-ieee-802-gaps-point-to-point-links.pptx>
		- Paul Congdon:
			* Some protocols are available for configuring the bridging architecture (I-SID)
			* 802.1Qbg amendment, which is now part of 802.1Q (VTP)
		- Paul:
			* Which link are you considering to run MACsec?
			* Max: It would be for the AP to AR link (could be multi link). Mick Seaman’s papers explain how to use MACsec end-to-end
				+ <http://www.ieee802.org/1/files/public/docs2013/ae-seaman-macsec-hops-0626-v03.pdf>
				+ <http://www.ieee802.org/1/files/public/docs2013/ae-seaman-ede-0713-v02.pdf>
		- Xie
			* What is the relationship between control point and traffic path?
			* Max: We first will consider that the control point and the end point for the traffic path are the same (e.g. SSPN or AP). Later releases can address a more complicated scenario.
		- Xie:
			* Can the same protocol be used to connect all the way to the end terminal (e.g. run both 802.1X’s together)?
			* Max: this was discussed with 802.1 and it is considered a topic for further study
		- Xie:
			* Is this related to 802.1Qbz/802.11ak?
			* Max: not much. The joint group is dealing with managing broadcast messaged in VLANs across wired and wireless links
		- Max:
			* 802.1 point-to-point discussions about MACsec should be presented for information in the 802.1 Interworking group. Not sure we will have agenda time at this meeting.
* Communications with IETF
	+ The planned I-D on the issues IETF specifying IEEE 802 specific attributes is still pending. It should be available before the next IEEE 802 – IETF conference call taking place end of September to introduce the topic and trigger further discussions.
* Communications with ONF
	+ OmniRAN use case submitted to the ONF Mobile and Wireless Discussion Group.
	+ <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0060-00-ecsg-omniran-sdn-use-case-for-external-communication.pptx>
	+ The group discussed the potential need to establish formal communication links / liaisons in the future
	+ Juan Carlos:
		- Included now as use cases in the charter for the wireless and mobile DG
	+ Max:
		- Currently looking for ways to communicate/contribute from OmniRAN to ONF without needed individual companies

**Content of ‘Stage 2’ document**

* Legacy guidance
	+ Overview by ETSI:
	<http://docbox.etsi.org/MTS/MTS/10-PromotionalMaterial/MBS-20111118/protocolStandards/stagedApproach.htm>
	+ Introduction of staged approach for service network specification by ITU-T:
	<http://www.itu.int/rec/T-REC-I.130-198811-I>
		- Specification, which was mainly referenced for Geneva presentations and discussions
	+ Detailed description of Stage 2 by ITU-T:<http://www.itu.int/rec/T-REC-Q.65-200006-I/en>
		- Q.65 contains detailed description of pieces comprising a Stage 2 specification
		- The structure of a Stage 2 ToC can directly be derived from this specification
* WiMAX NWG Stage 2
	+ Example of Stage 2 specification build on generic requirements captured in tenets:
	+ <http://resources.wimaxforum.org/sites/wimaxforum.org/files/technical_document/2010/12/WMF-T32-001-R016v01_Network-Stage2-Base.pdf>
	+ Paul pointed out that ‘SHALLs’ as stated in the Tenets section of WMF NWG Stage 2 are not appropriate for an IEEE SA Recommended Practice. No single SHALL shall appear in a Recommended Practice
	+ Juan Carlos proposed to add typical use case scenarios to Stage 2 to enable better understanding of the usage and relation of the network functionality
	+ Max showed that such kind of information is available within the Section Network Reference Model. The abstract presentation of use cases as captured in the WMF NWG Stage 2 specification worked out quite useful for illustrating the architectural approach of the WMF NWG specifications.
* Proposed daft ToC for Stage-2-like document
	+ Slide 14 of <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0065-00-ecsg-september-2013-york-f2f-agenda-material.pptx>
		- Introduction and Scope
		- Abbreviations/Acronyms, Definitions, and Conventions
		- References
		- Identifiers
		- Tenets for IEEE 802 Access Network Systems Architecture
		- Network Reference Model
			* Overview
			* Reference Points
			* Access Network to Core Internetworking Relationship
		- Functional Design and Decomposition
			* Network Discovery and Selection
			* Authentication
			* Link establishment
			* QoS and policy control
			* Link mobility
			* Link teardown
			* Accounting
	+ ToC proposal was discussed based on the architectural figures created in OmniRAN. It was agreed that all the basic information of a ‘Stage 2’ document would be available by the material created by OmniRAN.

**PAR drafting**

* Group: PAR drafting
* Result out of meeting uploaded to mentor after the meeting under
	+ [https://mentor.ieee.org/omniran/dcn/13/omniran-13-0005-01-0000-par-5c-table-of-content.docx](https://mentor.ieee.org/omniran/dcn/13/omniran-13-0005-00-0000-par-5c-table-of-content.docx)
* PAR discussions ongoing, will continue during the oncoming meetings and conference calls
	+ The chair reminded the group about the next conf call Sept 17
* Next meetings to contine PAR drafting:
* Tue, Sep 17th, 730-930 am ET/1930-2130 Nanjing, F2F session w/ remote participation
* Fri, Sep 27th, 2013, 09-11am ET: Confcall
* Fri, Oct 4th, 2013, 09-11am ET: Confcall
* Thu, Oct 10th, 2013, 09-11am ET: Confcall

**AOB**

* No other topics brought up

**Adjournment**

* Meeting adjourned at 17:30, BST