IEEE 802.1 OmniRAN

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| Minutes of IEEE 802.1 OmniRAN TG Meeting in Atlanta, GA, USA  |
| Date: January 12 - 14, 2015 |
| Author(s): |
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Abstract

Minutes of the IEEE 802.1 OmniRAN TG meeting from face to face meeting in Atlanta, GA, USA.

**Monday, January 12th, 2015**

Chair: Max Riegel

Recording secretary: Juan Carlos Zuniga

**Call to order**

* Meeting called to order by Max Riegel at 13:40 hrs (EST).

**Attendence**

* Attendence was recorded by registering to the IEEE 802.1 meeting IMAT page.
* Roll call

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| **Name** | **Affiliation** |
| Max Riegel | Nokia Networks |
| Juan Carlos Zuniga | InterDigital |
| Walter Pienciak | IEEE-SA |
| Hiroki Nakano | Trans New Technology |
| Yonggang Fang | ZTE |
| Carol Ansley | Arris Group Inc |
| Edwin Maillette | Bright House Networks |
| Roger Marks | EthAirNet Associates |
| Hesham Elbakoury | Huawei |
| Glenn Parsons | Ericsson |
| Dan Romascanu | Avaya |

**IEEE WG Guidelines**

* The chair presented the mandatory IEEE SA guideline slides and asked for anybody willing to make an IPR announcement.
* No IPR declaration was raised.

**Minutes taker**

* Juan Carlos Zuniga volunteered to take notes.

**Agenda**

* Agenda as proposed in the chair’s meeting slides:
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0001-00-00TG-january-2015-meeting-slides.pptx>
		- Review of minutes
		- Reports
		- SDN & NFV status update
		- P802.1CF contributions
			* Network reference model
			* Backhaul representation
			* SDN Abstraction
			* Functional design and decomposition
		- Project planning
		- Status report to IEEE 802 WGs
		- AOB
	+ The proposed agenda was approved.

**Review of minutes**

* <https://mentor.ieee.org/omniran/dcn/14/omniran-14-0087-00-00TG-december-16-meeting-minutes.docx>
	+ Chair asked for any comments on the minutes as available on mentor
	+ No comments were raised

**Reports**

* Incoming liaisons to IEEE 802.1
	+ IEEE 802.1 received liaisons from ITU-T SG15, Q13/15, IETF, IEEE 1588 and CPRI.
	+ The group shortly reviewed the topics of the incoming liaison letters and concluded that no further actions are required for OmniRAN TG.
* SDN & NFV
	+ Max Riegel presented the draft wiki page on mentor about ongoing SDN standardization activities with close relationship to OmniRAN.
	<https://mentor.ieee.org/omniran/bp/SDN_Wiki>
	+ In additions to the organizations already listed on the wiki page (ONF, ETSI NFV ISG, ITU-T JCA-SDN) three further efforts (IETF SDNRG, MEF TheThirdNetwork, ITU-T SG13 Q14/13) were identified and added to the wiki page.
	+ It was agreed that listing the names of the efforts/organizations together with a link to the related web pages would be sufficient.
* Metro Ethernet Forum
	+ Roger Marks: TheThirdNetwork

<https://metroethernetforum.org/images/mef-vision/140924%20Third_Network_Launch.pdf>

* + - Roger presented the new MEF initiative to automatize network configuration, provisioning and inter-operator comfigurations, by defining a service layer.
		- Group discussion indicated that there is a potential relationship between this initiative and the scope of OmniRAN related to NFV and SDN.

**P802.1CF contributions**

* Schedule of discussions and vailability of contributions
	+ The group collected the list of available and intended contributions to P802.1CF
	+ As authors requested some more time for refinement of their contributions before presentation, the group decided to cancel the session on Tuesday, Jan 13th in favor of providing more time to the authors.
		- Chair asked for approval to cancel the Tuesday afternoon session, and the proposal was accepted without objections.
* Dynamic Spectrum Access – Yonggang Fang
	+ Yonggang Fang presented an update to the proposed text for the section. <https://mentor.ieee.org/omniran/dcn/14/omniran-14-0078-01-CF00-updated-text-for-an-setup.docx>
	+ Max: you may adopt the proposed functions of the generic NRM, instead of introducing new similar functions.
	+ Max: the text may benefit when further contenct is added aligned to a ToC structure as used by the NDS and Datapath contributions.
* Backhaul representation
	+ Roger Marks presented his ideas regarding zonal address partitioning
	+ <https://mentor.ieee.org/802-ec/dcn/14/ec-14-0071-01-00EC-zonal-address-partitioning-in-the-local-space.pdf>
	+ Aim of presentation was to reflect ideas and gather further input on the concept, as well as on potential issues.
	+ Group discussion indicated that although some functionality could eventually become part of the OmniRAN scope, there is no urgent need for documentation. IEEE 802 has first to accept the idea of zonal address mapping.

**Recess**

* Meeting recessed at 17:45 hrs

**Wednesday, January 14th, 2015**

**Restart**

* Meeting called to order by Max Riegel at 13:40 hrs (EST).

**P802.1CF contributions, cont.**

* NRM Ambiguities - Max Riegel
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0003-00-CF00-nrm-ambiguities.pptx>
	+ Max proposed some clarifying terminology for the NRM.
	+ The group had a lengthy discussion about the inclusion of details about the services provided by the boxes and the roles they play in the NRM.
	+ Discussion about communication endpoints; more documentation required to distinguish between interface and communication endpoints (SAP inside stack)
	+ Changes to NRM terminology (Core Network Interface, CNI Ctrl, Terminal Interface)
	+ Question whether to split up TE Ctrl into two entities, one for R2 and one for R8c – conclusion delayed until more information on R8c available
	+ Refinements to drawing requested to differentiate by graphical element between network entities, interfaces and control elements.
	+ An update to the contribution was uploaded with the tentative agreement on the last slide:
	<https://mentor.ieee.org/omniran/dcn/15/omniran-15-0003-01-CF00-nrm-ambiguities.pptx>
* Comments on OmniRAN DCN 14/83 – Roger Marks
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0005-00-CF00-comments-on-omniran-14-0083-00.docx>
	+ The group discussed the various issues addressed within the document and concluded that further documentation in the NRM section is necessary regarding the end points of the communication and the nature of the reference points.
	+ After group’s discussion a revision was made with the agreed changes and posted as :
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0005-01-CF00-comments-on-omniran-14-0083-00.docx>
* Discussion on NRM Control Reference Points Information and Parameters - Juan Carlos Zuniga
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0004-00-CF00-discussion-on-nrm-control-reference-points-information-and-parameters.pptx>
	+ The group provided several comments on the description of the parameters and suggested refinements
	+ The authors will take the feedback into account and will generate a new version
* Max Riegel - Network Discovery and Selection
	+ <https://mentor.ieee.org/omniran/dcn/14/omniran-14-0082-02-CF00-network-discovery-and-selection.docx>
	+ Text reviewed and discussed.
	+ Contribution misses details about mapping of the generic description to the particular 802 access technologies
	+ Several comments raised on desired refinements, which will taken into consideration by the author when creating the next revision.

**Recess**

* + Meeting recessed at 18:01 hrs

**Thursday, January 15th, 2015**

**Restart**

* Meeting called to order by Max Riegel at 13:35 hrs (EST).

**P802.1CF contributions, cont.**

* Key Concepts of Data Path Design and Control - Max Riegel
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0002-00-CF00-key-concepts-of-data-path.pptx>
	+ Revision of terminology based on group discussions
	+ Agreement to go forward based on revised slide set
	+ Revised version uploaded

<https://mentor.ieee.org/omniran/dcn/15/omniran-15-0002-01-CF00-key-concepts-of-data-path.pptx>

**Project Planning**

* Roughly on track as set up in Nov 2014
* Appointment of editor will become topic for next F2F meeting (Berlin, March 2015)

**Status report to IEEE 802 WGs**

* A report was drafted and agreed by the group:
	+ <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0006-00-00TG-jan-15-status-report-to-802wgs.pptx>

**AOB**

* Nothing raised

**Adjournment**

* + Meeting adjourned at 16:39 hrs