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| Minutes of IEEE 802.1CF OmniRAN TG conference call |
| **Date: October, 25th, 2016** |
| **Author(s):** |
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# Tuesday, October 25th, 2016

## Abstract

Minutes of the IEEE 802.1 OmniRAN TG conference call on October 25th, 2016

Chair: Max Riegel

Recording secretary: Wang Hao

## Call to order

* Meeting called to order by Max Riegel at 09:32 AM ET.
* Meeting was guided by the slides uploaded by the chair before the call:
<https://mentor.ieee.org/omniran/dcn/16/omniran-16-0074-00-00TG-oct-2016-confcall-slides.pptx>

## Minutes

* Wang Hao volunteered to take notes.

## Attendance

* Roll call

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| **Name** | **Affiliation** |
| Max Riegel | Nokia Networks |
| Antonio de la Oliva | UC3M |
| Yonggang Fang | ZTE TX |
| Hao Wang | Fujitsu  |
| Fan Xiaojing | Fujitsu |
| Su Yi | Fujitsu |

## 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 made.

## Agenda approval

* Agenda as proposed in the chair’s meeting slides:
* Review of minutes
* Sep Confcall minutes
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0072-00-00TG-sep-2016-confcall-minutes.docx>
* Reports
* 802.1CF TG ballot recirculation
* <http://www.ieee802.org/1/private/email2/msg25260.html>
* Resolution of comments on chapter 8 of 802.1CF-d0.2
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0066-00-CF00-comments-on-p802-1cf-d02.xls>
* Contributions to P802.1CF
* Access network instantiation
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0073-00-CF00-virtual-access-network-instantiation.docx>
* Deployment scenarios
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0067-01-CF00-deployment-scenarios-for-home-network.docx>
* Planning update
* AoB
* Agenda approved without further comments.

## Review of minutes

* Sep Confcall Minutes
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0072-00-00TG-sep-2016-confcall-minutes.docx>
* No comments raised to the minutes when showing the document.

## Reports

* Chair mentioned that task group ballot for 802.1CF draft v0.3 has been sent out to 802.1 WG on Oct. 17th, and will be closed on Nov. 3rd.
* OmniRAN will organize a special session on Wednesday PM2 for discussion of IEEE 5G Action A during the upcoming F2F meeting. No specific proposal has been received so far.
* Liaison has been sent from 802.11 to 3GPP RAN as well as a further liaison from EC to 3GPP PCG. A friendly response was received, now under discussion by the EC..

## Resolution of comments on chapter 8 of P802.1CF D0.2

* Review and resolve the technical comments on chapter 8
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0066-00-CF00-comments-on-p802-1cf-d02.xls>
* Chair denotes that chapter 8 in D0.3 is adopted from D0.2 with only editorial changes introduced according to the submitted comments, therefore the resolutions will be directly applied to D0.3.
* Discussion brought up demand for more explicit description for the northbound interface between SDN controller and applications, then led to how the SDN model shown in Figure 41 fits in the NRM. Antonio will create a short paragraph introducing the northbound interface and explain how the SDN controller, SDN application and interfaces can be mapped to the NRM.
* Antonio also explains to the group that the SDN controller is usually deployed in the cloud with IP based interfaces to the network elements as well as to the SDN applications (may be deployed in another cloud). As long as the communication latency being met, the SDN controller can be deployed wherever it is needed.
* The group accepts the generic idea of mapping SDN controller plus the control/management applications to the ANC, NMS, even possible to other control entities in TE and AR.
* Antonio explains that NA can be controlled by a SDN controller, although not only through netconf protocol, as netconf is only a transport protocol. Requirements for enabling such control include the deployment of YANG configuration model for the NA on the SDN controller and implementation of an agent on the NA which will work on the proper responses to the control commands.
* Max clarified the usage of ‘RTS threshold’ in the context and explained its meaning in 802.11 specifications.
* The group asks the author to assist the editor to modify Figure 43 while keeping the 802.11 terminology before Nov. 14th.

## Contributions to P802.1CF D0.3

* Access network instantiation
* https://mentor.ieee.org/omniran/dcn/16/omniran-16-0073-00-CF00-virtual-access-network-instantiation.docx
* Yonggang presented the contribution which has been uploaded to the mentor shortly after Sep confcall. Due to the time limit of the confcall, the Chair suggests to resume the review and discussion on Nov. F2F meeting and urges the group to exchange opinions through email discussions.
* The group could not reach agreements on either the usage of ‘virtual network’ and ‘virtualized network’, or the scope of the instantiation and release procedure. Antonio pointed out that the concept of virtualized network is much broader than instantiation and suggested to stick the description of instantiation procedures to network slicing rather not mentioning virtual network or virtualized network at all in this chapter. He also mentioned a white paper published by NGMN and will present to the group later for clarifying the above issues. The link to the paper was provided by Antonio by email: <https://www.ngmn.org/uploads/media/160113_Network_Slicing_v1_0.pdf>
* Max also brought up questions on the functions of OSS/BSS as being foundation of the virtual entities such as V-NA, V-ANC, and V-BH in Figure 8.1.
* Yonggang asked for more comments by email to enable progress on the contribution until the next meeting, where the discussion will continue.
* Deployment scenarios
* https://mentor.ieee.org/omniran/dcn/16/omniran-16-0067-01-CF00-deployment-scenarios-for-home-network.docx
* Wang Hao presented the revised contribution showing the well-fitting mapping of the architecture of a residential gateway to the P802.1CF Network Reference Model.
* The group accepts the contribution in general as the mapping being quite straightforward when the internal functions of home gateway are exposed in such way.
* Editorial revisions should be made before final inclusion into next draft, e.g change box lines style to conform to the NRM, highlight the internal reference points of HGW and denote the usual integration of AR, BH and NA in the deployment of e.g DSL network.

## Planning update

* The chair explained the agenda of the upcoming F2F meeting in San Antonio.
* Regarding next revision of the draft, some open issues have to be addressed.

## External review of P802.1CF-D0.3

* The following potential actions were reviewed.
* Plan to present P802.1CF in ‘intarea’ meeting at next IETF (Nov 14-17, Seoul, Korea)
* Preparation of the slideset and decision about the presenter will be done at the San Antonio meeting, which is taking place the week before of the IETF meeting.
* Other groups?
* No further groups are currently considered for distribution of the draft specification. It may change in the course of the ‘5G SC Action A’ discussions and when interest in the OmniRAN work is popping up within other groups.

## AOB

## Meeting adjourned by the chair at 11:21 AM ET