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| Minutes of IEEE 802.1 OmniRAN TG July 9th – 12th Meeting in San Diego, US |
| **Date: July 25th, 2018** |
| **Author(s):** |
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## Abstract

Minutes of the IEEE 802.1 OmniRAN TG meeting at the IEEE 802.1 Plenary Meeting in San Diego, US on July 9-12, 2018

Since the last F2F meeting held in Pittsburgh, OmniRAN TG held two conference calls. The minutes and notes can be found on the mentor. They have been reviewed and accepted by the TG.

* Confcall on 5th, June
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0052-00-00TG-june-5th-confcall-minutes.docx
* Confcall on 12th, June
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0055-00-00TG-june-12th-confcall-minutes.docx>

# Monday, July 9th, 2018

Chair: Max Riegel

Recording secretary: Hao Wang

## Call to order

* Meeting called to order by Max Riegel at 13:35 hrs.
* Chair set up the webex meeting to allow remote participation for P802.1CF editor.
<https://nokiameetings.webex.com/nokiameetings/j.php?MTID=mb8b5a4d6bb202acf149a7bfddebeb39e>
* Meeting was guided by the slides uploaded and maintained by the chair:
<https://mentor.ieee.org/omniran/dcn/18/omniran-18-0042-01-00TG-may-2018-f2f-meeting-slides.pptx>

## Minutes

* Hao Wang volunteered to take notes.

## Attendance

* IEEE 802.1 meeting IMAT page was used for recording of attendance
* Participants

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| **Name** | **Affiliation** |
| Max Riegel | Nokia Bell Labs |
| Hao Wang | Fujitsu |
| Tomoki Ohsawa | NICT |
| Hajime Koto | NICT |
| Yoshihisa Kondo | ATR |
| Nader Zein | NEC |
| Roger Marks | EthAirNet Assoc. |
| Antonio de la Oliva | UC3M/Interdigital |
| Kenichi Maruhashi | NEC |
| Satoko Itaya | NICT |
| Walter Pienciak | Adv. Cog. Arch.-remote |
| Stephen Mccann | Blackberry |
| Paul Congdon | Huawei |

## IEEE WG Guidelines

* The chair presented the mandatory IEEE SA guideline slides and asked for anybody willing to make an IPR announcement.
* No IPR declarations were brought up.

## Agenda approval

* Agenda as proposed in the chair’s meeting slides was presented and discussed.
* Review of minutes
* Reports
* IC NEND related contributions review
* Comment resolution P802.1CF-D2.1
* P802.1CF related motions to EC
* Contributions to P802.1CQ
* Plan for initial scope of P802.1CQ and going forward
* Discussions about potential future work in OmniRAN
* Conference calls until Sept 2018 F2F
* Status report to IEEE 802 WGs
* Next meeting
* AOB
* Agenda approved without further comments.

## Schedule of the topics during the week

* Chair discussed availabilities of the contributors and preferences to discuss the various topics.
* Group agreed to arrange the discussion topics according to the following plan over the week:
* ***Monday PM 1&2***
* Review of minutes
* Reports
* IC NEND related contributions review
* Comment resolution P802.1CF-D2.1
* P802.1CF related motions to EC
* ***Tuesday PM1***
* Contributions to P802.1CQ
* Plan for initial scope of P802.1CQ and going forward
* ***Wednesday PM1***
* Plan for initial scope of P802.1CQ and going forward
* ***Thursday AM2***
* Discussions about potential future work in OmniRAN
* Motions to 802.1 closing plenary
* Conference calls until Sept 2018 F2F
* Status report to IEEE 802 WGs
* Next meeting
* AOB

## Review of minutes

* Review the minutes of June 12th confcall;
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0055-00-00TG-june-12th-confcall-minutes.docx>
* Review the minutes of June 5th confcall;
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0052-00-00TG-june-5th-confcall-minutes.docx>
* Review the minutes of the May F2F:
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0047-01-00TG-may-2018-f2f-meeting-minutes.docx>
* No comments were raised.

## Reports

* Chair referenced to the comprehensive reporting in the opening 802.1 plenary
* Chair reported the results of the first WG Recirc of P802.1CF, which returns with 100% approval;

## IC NEND related contributions review

* Kenichi presented the word document contribution.
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0056-00-00ic-enhancements-of-ieee-802-technologies-for-the-future.pdf>
* The contribution is about two new chapters for the FFIOT Nendica report.
* Discussions during the meeting lead to several editorial and technical comments to the document.
* Report editor Nader will incorporate changes and update the report for Nendica session.

## Comment resolution P802.1CF-D2.1

* Webex meeting was set up for enabling the editor Walter Pienciak to participate in the comments resolution.
* Result of comment resolution P802.1CF/D2.0 is summarized in document:
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0045-06-CF00-d2-0-wg-ballot-disposition-table.xlsx>
* Chair showed up the modifications leading to D2.1 and informed the group that the DISAPPROVE vote on D2.0 has been turned into APPROVE leading to 100% approval and no unresolved comment from the previous comment resolution.
* Received comments P802.1CF/D2.1 is collected in document:
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0057-00-CF00-d2-1-wg-ballot-recirc-disposition-table.xlsx>
* The group discussed and resolved the submitted comments. The outcome of the comment resolution is captured in <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0057-01-CF00-d2-1-wg-ballot-recirc-disposition-table.xlsx>.
* After the meeting the chair generated the official disposition documentation through the Java database. The final disposition is available by <http://www.ieee802.org/1/files/private/cf-drafts/d2/802-1cf-d2-1-dis.pdf>

## P802.1CF related motions to EC

* Chair explained motions to EC for extension of P802.1CF PAR and for going to sponsor ballot. However, introduction of any changes to the text of the draft specification may cause concerns in the EC. Chair offered to clarify with the IEEE 802 editor and the acting 802.1 chair, whether a recirculation is really required. Even with recirculation the 30days initial sponsor ballot could start beginning of August leading to the possibility to perform comment resolution in the upcoming Oslo interim meeting.
* BTW: After review of the editorial modifications to the draft through D2.1 comment resolution with acting 802.1 Chair John Messenger, it was decided to run another recirculation and apply for conditional approval of forwarding to sponsor ballot.
* The editor offered to provide updated document until Thursday, July 12th, which was highly appreciated by the group. It would allow to start the recirculation with a closing day around July 28th.

Recessed by chair at 18:00

# Tuesday, July 10th, 2018

Reconvened at 13:30

* Reminder-call for IPR: Nothing brought up.

## P802.1CQ contributions

* Antonio guided the group through the contribution, <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0058-00-CQ00-enabling-pad-of-laap-using-ieee-802-11aq.pdf>
* Antonio presented his proposal for dynamic assignment of MAC address for IEEE 802.11 leveraging the pre-association discovery specification 802.11aq.
* The discussing showed that the approach well addresses the requirements and does not require standardization efforts in 802.11.
* One requirement of the proposal is to register service name in IANA for address assignment services.
* One commenter suggests amending the figure on slide 6 with an additional last step indicating the association with AP afterwards.
* Concern was expressed regarding the removal, release, and security issues such as cyphering message over the air (in the state of pre-association).
* It is mentioned by a participant that in WFA there is a protocol to cypher the message, provided by a partial trust relationship, but it is not for 802.11 and only for DL;
* Roger presented his idea of use of special structured MAC addresses for enhancements to forwarding efficiency, which requires dynamic assignment of MAC addresses according to the location of the station in the bridged network.
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0059-00-CQ00-address-assignment-for-stateless-flow-zone-switching-in-the-data-center.pdf>
* Discussion in the group indicates the concern on whether or not the structure definition of the address is in the scope of P802.1CQ.
* There was agreement that the PAR is quite broad, and more details on objectives can be found in the IEEE 802c specification, as well as in a slideset of Pat Thaler: <http://www.ieee802.org/1/files/public/docs2016/cq-thaler-objectives-1116.pdf>
No information was available about the status of the contribution on objectives.
* The group agreed to work on a use cases and requirements document to nail down the functionalities required in P802.1CQ.
* It is mentioned by a participant that issues on supporting multicast needs to be addressed as well.
* Discussion will be continued on Wed PM1

Recessed by chair at 15:30

# Wednesday, July 11th, 2018

Reconvened at 13:40

* Reminder-call for IPR: Nothing brought up.

## P802.1CQ contributions

* The group continued discussions of the use case of 802.1CQ. Antonio took notes on a number of slides presented and openly edited during the discussions.
* Discussions were conducted regarding the functional support for mobility, which will in turn affect the address assignment protocol.
* Antonio confirmed that he will upload the results of the discussion after the session to mentor:

<https://mentor.ieee.org/omniran/dcn/18/omniran-18-0060-00-CQ00-ieee-802-1cq-discussions-in-san-diego.pptx>

* The next F2F meeting for P802.1CQ with possibility for remote participation from the wireless interim meeting in Waikoloa, HI will be on Thursday AM1 in Sep, Interim.
* Antonio will create PAD description for further discussion.

Recessed by chair at 15:30

# Thursday, July 12nd, 2018

Reconvened at 10:30

* Reminder-call for IPR: Nothing brought up.

## Discussions about potential future work in OmniRAN

* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0061-00-00ic-potential-future-work-in-omniran.pdf>
* Satoko provided introduction into thoughts for further work in OmniRAN
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0062-01-00ic-supplemental-for-ffiot-enhancement.pdf>
* Kenichi explained the problem space for potential consideration
* Discussion led to multiple hints to enhance presentation of the problem
* An update of the slides was offered for the upcoming F2F meeting in Oslo.

## Conference calls until Sep 2018 F2F

* 1hr Call on July 30th mainly to conclude on forwarding P802.1CF to sponsor ballot

## Status report to IEEE 802 WGs

* Status report drafted by chair and reviewed by group. Agreed report uploaded to mentor
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0063-00-00TG-jul-2018-report-to-ieee-802-wgs.pptx>

## Motions to the closing plenary

* Chair explained that after review of the editorial modifications due to D2.1 comment resolution with acting 802.1 Chair John Messenger, it was decided to run another recirculation and apply for conditional approval of forwarding to sponsor ballot.
* Motions to the EC consent agenda have been drafted for P802.1CF PAR extensions and for conditional approval of P802.1CF putting forward to sponsor ballot. The chair presented and the group agreed with the pre-submitted EC motions text also revalidating the CSD (5C at the time of the P802.1CF PAR approval).
* Aside of the 802.1 plenary confirmation motion of the P802.1CF related motions on the EC consent agenda, a motion was prepared to approve OmniRAN conference calls with a prior notice of 10days to the 802.1 mailing list.
* The group agreed with forwarding the presented motions to the 802.1 closing plenary.

## Next meeting

* Conference call on July 30th , 09:30 AM ET

## AOB

* None

Meeting adjourned by chair at 12:27.