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| Minutes of IEEE 802.1CF OmniRAN TG conference callon September 25th , 0900-1100AM ET |
| **Date: August 6th, 2018** |
| **Author(s):** |
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## Abstract

Minutes of the IEEE 802.1 OmniRAN conference call on September 25th, 2018.

Chair: Max Riegel

Recording secretary: Hao Wang

## Call to order

* Meeting slides were prepared by the chair:
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0080-00-00TG-sep25th-confcall-slides.pptx
* Meeting was called to order by chair at 09:00 AM ET.

## Minutes

* Hao Wang volunteered to take notes.

## Attendance

* Participants

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| **Name** | **Affiliation** |
| Max Riegel | Nokia Bell Labs |
| Hao Wang | Fujitsu  |
| Walter Pienciak | Adv. Cog. Arch. |
| Antonio de la Oliva | UC3M/Interdigital |
| Nader Zein | NEC |
| Michael Montemurro | Blackberry |
| Stephen McCann | Blackberry |

## 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:
* Minutes
* Reports
* Review and discussion of 802.11aq based proposal for 802.1CQ
* 802.1CQ next steps and plans for the Nov plenary
* Review and conclusion of text proposals for open 802.1CF sponsor ballot comments
* Plan for creation of P802.1CF-D3.0 revision and recirculation
* Next meeting
* AOB
* Agenda approved without further requests.

## Review of minutes

* September F2F meeting minutes
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0076-00-00TG-sep-2018-f2f-meeting-minutes.docx>
* Postponed to the next F2F meeting to achieve formal approval

## Reports

* Chair shortly presented the planned OmniRAN sessions at the Bangkok meeting (see the last slide in the meeting slides).
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0080-01-00TG-sep25th-confcall-slides.pptx

## Review and discussion of 802.11aq based proposal for 802.1CQ

* Antonio led the group to review the following proposal of the LAAP solution based on 802.11aq.
* [https://mentor.ieee.org/omniran/dcn/18/omniran-18-0071-01-CQ00-proposal-for-mac-address-distribution-in-ieee-802-11-networks-using-the-mechanisms-of-ieee-802-11aq-pre-association-discovery.pdf](https://mentor.ieee.org/omniran/dcn/18/omniran-18-0058-01-CQ00-enabling-pad-of-laap-using-ieee-802-11aq.pptx)
* Related slides (not presented during the call)
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0058-01-CQ00-enabling-pad-of-laap-using-ieee-802-11aq.pptx>
* Regarding service advertisement, hint was given to consider usage of special service indication elements in beacons and probe responses.
* Confirmation was given from 802.11 experts that usage of 802.11aq messaging was correctly applied, but it still requires some changes in 802.11.
* Following security concerns are raised on:
* 1. No security measures are defined for GAS messaging;
* 2. Some implementations of 802.11 require addresses to be bound to connection establishment.
* Two possible changes in 802.11 were discussed:
* 1. Integrate LAAP into authentication & association;
* 2. Add security measure to LAAP so that it can be tied to authentication & association. Other changes are also possible.
* Address anonymization could be realized by adopting concepts of OWE for authentication procedure, realizing some kind of cryptographic binding between address assignment and succeeding authentication.
* Agreed work for going forward
* It was proposed to present and discuss the proposed solution and the potential amendments to the IEEE 802.11 with the 802.11 WG at the upcoming F2F meeting in Bangkok.
* Michael offered to reach out to the 802.11 chair to clarify the best group in 802.11 to review and discuss the solution, and the potential amendment to the IEEE 802.11 specification.
* As there are 3 meeting slots planned for ARC and 4 meeting slots for .11md, a timeslot can be chosen not conflicting with OmniRAN meetings.

## Review and conclusion of text proposals for open 802.1CF sponsor ballot comments

* Discuss the remedy with the commenter
* Chair presented to Michael Montemurro the resolution of his binding comments. Michael agreed with the resolutions.
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0070-02-CF00-d2-2-initial-sponsor-ballot-comments.xlsx>
* Proposed remedies
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0077-00-CF00-d2-2-cid36-remedy-proposal.docx>
* The contribution was jointly prepared by Max and Hao. Max guided through the necessary edits to split out authorized spectrum access into a normative annex. The contribution incorporates all the other agreed edits on the sections recommended by several commenters.
* Regarding content for the empty clause 6.1.6, the group agreed to adopt the text proposal given by Max, as it nicely fits to the succeeding figure exposing power-up as a preceding function.
* A small textual correction was applied to the NA definition in A.1.2. The editor was asked to carefully proofread the text to ensure that no grammatical mistakes were introduced through the split.
* The revision created in the meeting, which is ready for implementation, is uploaded to mentor.
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0077-01-CF00-d2-2-cid36-remedy-proposal.docx>
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0078-00-CF00-d2-2-cid32-remedy-proposal.docx>
* The proposed amendment to section 5.9.3 was reviewed and agreed.
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0079-00-CF00-d2-2-cid30-33-remedy-proposal.docx>
* The proposed amendment to section 5.9.7 was reviewed and agreed. It was recommended to amend figure 25 to add a label ‘CPE’ to the WLAN AP device to provide better understanding of the added text.
* TR069 and TR181 to be added to the bibliography as added text is based on these standards.
* Comment i-1 (meaning of NMS)
* It was concluded that chair drafts resolution along the agreed approach in the email exchange. Hao will contact the commenter to determine whether the commenter agrees or further discussion is necessary in the upcoming call.
* Pending contribution for comment i-41
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0069-00-CF00-fog-deployment-scenario.docx>
* Max introduced the contribution accompanying his comment i-41. The proposed addition was accepted, however it was pointed out that the display of the cloud to the right of the AR is not the same way the cloud was shown in omniran-18-0078. Max offered to amend figure in omniran-18-0078 to create better distinction.

## Plan for creation of P802.1CF-D3.0 revision and recirculation

* Chair asked editor to create .1CF-D3.0 including all the agreed remedies within roughly a week for internal review.
* Chair will fill the Java comments database with the results captured in the Excel spreadsheet and will ask John Messenger for review of the proposed disposition.
* The conference call on October 9th is aimed for conclusion on all the documents (new draft, disposition document), and for kicking off the recirculation

## Next meeting

* Conference call on Oct. 9th, 09:30-11:00 AM ET

## AOB

* None.

The meeting was adjourned by the chair at 11:15 AM ET.