|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minutes of IEEE 802.1 OmniRAN TG Nov 12th – 15th Meeting  in Bangkok, Thailand | | | | |
| **Date: Dec 6th, 2018** | | | | |
| **Author(s):** | | | | |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| Hao Wang | Fujitsu |  | +86 010 59691521 | [wangh@cn.fujitsu.com](mailto:wangh@cn.fujitsu.com) |

## Abstract

Minutes of the IEEE 802.1 OmniRAN TG meeting at the IEEE 802 Plenary Meeting in Bangkok, Thailand on Nov 12-15, 2018

Since the last F2F meeting held in Oslo, 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 25th, Sep
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0081-00-00TG-sep-25th-confcall-minutes.docx
* Confcall on 9th, Oct
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0083-00-00TG-oct-9th-confcall-minutes.docx>

# Monday, November 12th, 2018

Chair: Max Riegel

Recording secretary: Hao Wang

## Call to order

* Meeting called to order by Max Riegel at 13:40 hrs.
* Meeting was guided by the slides uploaded and maintained by the chair:  
  <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0084-02-00TG-nov-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

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

## 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
* Result of P802.1CF sponsor ballot recirculation
* Comment resolution of P802.1CF sponsor ballot recirculation
* Plan and motions for progressing and project conclusion of 802.1CF
* P802.1CQ contributions and discussions
* Preview of 802.1CQ presentation to 802.11 ARC and 802.15
* Review of 802.1CQ ToC
* Nendica related contributions review
* Potential new project for OmniRAN TG
* Conference calls until March 2019 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 PM1***
* Review of minutes
* Reports
* Result of P802.1CF sponsor ballot recirculation
* P802.1CF related motions to EC
* Preview of 802.1CQ presentation to 802.11 ARC and 802.15
* Nendica related contributions review
* ***Tuesday PM1***
* Comment resolution of P802.1CF sponsor ballot recirculation
* Plan and motions for progressing and project conclusion of 802.1CF
* ***Wednesday PM1***
* P802.1CQ contributions and discussions
* Review of 802.1CQ ToC
* ***Thursday AM2***
* Discussions about potential future work in OmniRAN
* Motions to 802.1 closing plenary
* Conference calls until March 2019 F2F
* Status report to IEEE 802 WGs
* Next meeting
* AOB

## Review of minutes

* Review the minutes of Oct 9th confcall;
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0083-00-00TG-oct-9th-confcall-minutes.docx>
* Review the minutes of Sep 25th confcall;
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0081-00-00TG-sep-25th-confcall-minutes.docx>
* Review the minutes of the Sep F2F:
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0076-00-00TG-sep-2018-f2f-meeting-minutes.docx>
* No comments were raised.

## Reports

* 802 EC request 802.24 group to investigate 802 network integration seeking a clearer definition and description of 802 architecture and deployment especially with respect to ‘5G’.
* Initial discussion will take place in 802.24 on Wed PM2.
* OmniRAN is asked to respond a liaison from ITU-T JCA-IMT2020. Chair lead the group to review the details.

## Result of P802.1CF sponsor ballot recirculation

* There is neither new disapproval vote in the recirculation, nor new must-be-satisfied comment submitted.
* There is one negative vote with comments remained from the initial sponsor ballot.
* Consolidated comments from the recirculation have been provided at
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0085-00-CF00-d3-0-sponsor-ballot-1st-recirc-comments.xlsx

## P802.1CF related motions to EC

* The group reviewed and modified the slides including P802.1CF related motions to EC.
* In slide 18-25, <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0084-03-00TG-nov-2018-f2f-meeting-slides.pptx>
* Multiple edits introduced during discussion in the meeting taking into account, in particular the display of the outstanding open comments.

## Preview of 802.1CQ presentation to 802.11 ARC and 802.15

* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0086-00-CQ00-slides-to-be-presented-in-arc.pptx>
* Antonio presented the slides jointly created with Stephen Mccann and Michael Montemurro
  + Slides contain modifications to 802.11aq adoption requested by 802.11 participants which are not necessary for local address assignment.
  + Slides are fine for entertaining discussion in 802.11ARC but are not suited for 802.15 WNG
* Agreed that Antonio will create alternative slide deck for 802.15 WNG including also a few slides on DHCPv6 usage for MAC address management

## Nendica related contributions review

* No discussion due to missing input

## Comment resolution of P802.1CF sponsor ballot recirculation

* The group starts to resolve comments from the recirculation. Results are captured at
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0085-01-CF00-d3-0-sponsor-ballot-1st-recirc-comments.xlsx

# Tuesday, November 13th, 2018

Reconvened at 13:30

* Reminder-call for IPR: Nothing brought up.
* Webex conference bridge was setup for P802.1CF editor to participate from remote.

## Comment resolution of P802.1CF sponsor ballot recirculation

* The group resume comment resolution from
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0085-01-CF00-d3-0-sponsor-ballot-1st-recirc-comments.xlsx>
* Group including remotely participating editor reviewed comments and agreed on remedies and responses. No comment was rejected even when addressing issues outside the text open for commenting. Overall, the comments mainly resulted in editorial edits to clean up terminology and references regarding 802.3 without introducing any major technical modification.
* The outcome of the resolution is captured in a revision of the comments spreadsheet: <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0085-02-CF00-d3-0-sponsor-ballot-1st-recirc-comments.xlsx>
* The chair offered to fill the disposition of the spreadsheet into the Java database in order to create the official disposition document. The document is available by [http://www.ieee802.org/1/files/private/cf-drafts/d3/802-1cf-d3-0-dis.pdf](http://www.ieee802.org/1/files/private/cf-drafts/d2/802-1cf-d2-2-dis.pdf)

## Plan and motions for progressing and project conclusion of 802.1CF

* Group agreed to proceed P802.1CF to REVCOM through conditional approval of EC. Chair presented the slides prepared for the consent EC agenda detailing the motion and the information about the status of the sponsor ballot including a detailed presentation of the open ‘must-be-satisfied’ comments.
* Editor offered to provide the updated draft D3.1 until about November 21st to allow start of the recirculation in November. An OmniRAN conference call will be scheduled shortly after closing of the recirculation to process comments, if any, and to decide about the next steps.

Recessed by chair at 15:05

# Wednesday, November 14th, 2018

Reconvened at 13:30

* Reminder-call for IPR: Nothing brought up.

## P802.1CQ contributions and discussions

* Preview and agreement of presentations prepared for joint discussions with 802.11 and 802.15
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0086-00-CQ00-slides-to-be-presented-in-arc.pptx>
  + Coauthors from 802.11 added additional signaling for address assignment policy in Beacon and Probe Response
  + GAS based approach may have security issues as assigned address is not bound to authentication
  + Agreement to go forward with prepared slides to trigger discussions in 802.11 ARC
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0087-00-CQ00-802-1cq-introduction-to-802-15-wng.pptx>
  + Slides more generic than 802.11 presentation, in particular adding additional content on usage of DHCPv6 as requested in the Wireless Chairs meeting on Sunday afternoon.
* Review of the discussion with 802.11ARC on local address assignment for 802.11 STAs
* Security threat issues brought up without further details and without coming to a conclusion
* Agreed to provide P802.1CQ requirements and scenario document to 802.11 experts to allow them to investigate presented and other potential solutions
* Review of presentation to 802.15 WNG to make 802.15 aware and encourage contributions
* Discussions showed that there are more deep dependencies in 802.15 technologies to 64/48 bit MAC addresses, e.g. related short addresses and IPv6 addresses
* Some interest in 802.15 to work on dynamic address assignment but further insights and discussions needed to decide about creating a potential solution for 802.15

## Review of 802.1CQ ToC

* Editor explained that ToC in current draft template was handed over to him as part of assignment of editorship.
* Group agreed on plan going forward starting with requirements, scenarios, and security threats

Recessed by chair at 15:30

# Thursday, November 15th, 2018

Reconvened at 10:30

* Reminder-call for IPR: Nothing brought up.

## Discussions about potential future work in OmniRAN

* No discussions due to missing input

## Conference calls until Sept 2018 F2F

* Agreed to have on conference call early December after closure of Sponsor Ballot recirculation

## Motions to 802.1 closing plenary

* Agreement on the motions confirming the EC motion on conditionally forwarding P802.1CF to REVCOM and approving conference calls.
* EC motion on slides 18-25, and conference call on slide 29 in this slide deck.

## Status report to IEEE 802 WGs

* Group agreed on the slides drafted by the chair  
  <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0090-00-00TG-nov-2018-report-to-ieee-802-wgs.pptx>

## Next meeting

* Conference call early December. Chair will send out announcement with concrete date/time once the sponsor ballot recirculation started.

## AOB

* ITU-T liaison on JCA-IMT2020 needs further clarifications. Chair will take care of task.
* Hao briefly presented the proposal for the modifications of P802.1CF table 10 and table 11 as provided in <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0089-00-CF00-r01-10-and-r01-11-remedy-proposal.docx>  
  The group agreed with the proposed edits comprising a few more editorial corrections required through the implementation of the agreed remedies.
* Max provided short overview about the presentation and discussions in IEEE 802.24 on IEEE 802 network integration  
  <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0088-00-00TG-thoughts-on-ieee-802-network-integration-with-respect-to-p802-1cf.pptx>

Meeting adjourned by chair at 12:15.