|  |
| --- |
| Minutes of IEEE 802.1 OmniRAN TG July 10th Meeting in Berlin, Germany |
| **Date: July 19th, 2017** |
| **Author(s):** |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| Hao Wang | Fujitsu |  | +86 010 59691521 | wangh@cn.fujitsu.com |

## Abstract

Minutes of the IEEE 802.1 OmniRAN TG meeting at the IEEE 802.1 Plenary Meeting in Berlin, Germany on July 10-13, 2017

Since the last F2F meeting held in Stuttgart, OmniRAN TG held one conference call. The minutes can be found on the mentor, They have been reviewed and accepted by the TG.

* Confcall on 27th, June
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0052-00-00TG-jun-27th-confcall-minutes.docx>

# Monday, July 10th, 2017

Chair: Max Riegel

Recording secretary: Hao Wang

## Call to order

* Meeting called to order by Max Riegel at 16:00 hrs.

Meeting was guided by the slides uploaded and maintained by the chair:
<https://mentor.ieee.org/omniran/dcn/17/omniran-17-0051-00-00TG-jul-2017-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 |
| Wang Hao | Fujitsu |
| Fumihide Kojima | NICT |
| Glenn Parsons | Ericsson |
| Hajime Koto | NICT |
| Tomoki Ohsawa | NICT |
| Satoko Itaya | NICT |
| Nader Zein | NEC |
| Kenichi Maruhashi | NEC |
| Yonggang Fang | ZTE TX |
| Xiaojing Fan | Fujitsu |
| Hermann Brand | IEEE |
| Walter Pienciak | IEEE |
| Patrick Slaats | IEEE |

## 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
* Comment resolution on P802.1CF-D0.5
* New content for P802.1CF
* Plan for going WG ballot w/ 802.1CF-D0.6 draft
* Potential input to 802.1 Industry Connections
* Conference calls until Sept F2F
* Motions to 802.1 closing plenary
* Status report to IEEE 802 WGs
* 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.
* Chair proposed to review the potential input to the ICA on the first meeting slot, given the consideration that the ICA meeting is to be held on Tuesday.
* Group agreed to arrange the discussion topics according to the following plan over the week:
* ***Monday***
* Review of minutes
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0052-00-00TG-jun-27th-confcall-minutes.docx>
* Reports
* Potential input to 802.1 Industry Connections
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0054-00-00ic-wireless-communications-in-the-manufacturing-fields.pdf>
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0053-00-00ic-layer-2-network-virtualization.pptx>
* ***Tuesday***
* Comment resolution on P802.1CF-D0.5
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0049-01-CF00-802-1cf-d0-5-collected-comments.xls>
* ***Wednesday***
* Comment resolution on P802.1CF-D0.5
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0049-01-CF00-802-1cf-d0-5-collected-comments.xls>
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0055-00-CF00-comment-resolution-for-cid-15.docx>
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0056-00-CF00-chpt-6-8-identifier-revision.docx>
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0048-00-CF00-chapter-7-1-text-revision.docx>
* Potential input to 802.1 Industry Connections
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0057-00-00ic-how-we-see-needs-for-coordination.pdf>
* ***Thursday***
* Comment resolution on P802.1CF-D0.5
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0048-02-CF00-chapter-7-1-text-revision.docx>
* New contents for P802.1CF
* 7.9 Data model
	+ <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0059-00-00TG-guidelines-for-creation-of-information-model.pptx>
* Amendments to existing chapters
	+ <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0058-00-00TG-tsn-in-omniran.pptx>
* Plan for going WG ballot w/ 802.1CF-D0.6 draft
* Conference calls until Sept F2F
* Motions to 802.1 closing plenary
* Status report to IEEE 802 WGs
* AOB

## Review of minutes

* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0052-00-00TG-jun-27th-confcall-minutes.docx>
* Chair quickly introduced the minutes and asked for comments.
* No comments were raised.

## Reports

* Max introduced the progress of the development of new 802.1 website, which can be found under [http://www.ieee802.org/1/staging](http://www.ieee802.org/1/staging/). The new website will go live until next F2F meeting in September.

## Potential input to 802.1 Industry Connections

* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0054-00-00ic-wireless-communications-in-the-manufacturing-fields.pdf>
* Itaya-san presents the potential contribution to the ICA describing the network problems encountered in the factory use case.
* Presentation was well received by the group. Discussion provided multiple hints how to enhance presentation for the Tuesday evening (official ICA meeting) presentation.
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0053-00-00ic-layer-2-network-virtualization.pptx>
* Max explains his thought on the use case and benefit from L2 virtualization. The network reference model specified by 802.1CF provides the framework and essentials for L2 virtualization on 802 access networks.
* Presentation was well received. Discussion provided multiple hints how to enhance presentation for the Tuesday evening (official ICA meeting) presentation.

Recessed by chair at 18:00

# Tuesday, July 11th, 2017

Reconvened at 16:00

* Reminder-call for IPR: Nothing brought up.
* Chair proposed to recess one hour earlier due to other business.

## Comments’ resolution on P802.1CF-D0.5

* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0049-01-CF00-802-1cf-d0-5-collected-comments.xls>
* Discussion on CID#17 led to conclusion to co-locate ID definitions in chapter. 6.8 and remove references in subsection 2 throughout whole chapter 7.
* The group found the common understanding on the attributes and agreed that the attributes should be exchanged through reference points and should be described in basic function descriptions.
* Intermediate results of comment resolution captured in

<https://mentor.ieee.org/omniran/dcn/17/omniran-17-0049-02-CF00-802-1cf-d0-5-collected-comments.xls>

Recessed by chair at 17:00

# Wednesday, July 12th, 2017

Reconvened at 13:30

## Comments’ resolution on P802.1CF-D0.5

* Remaining comments were discussed and resolved. Results are captured in revision of the comments spreadsheet

<https://mentor.ieee.org/omniran/dcn/17/omniran-17-0049-03-CF00-802-1cf-d0-5-collected-comments.xls>

* Max submitted revision of chapt. 6.8 containing definition of all IDs used in the specification
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0056-00-CF00-chpt-6-8-identifier-revision.docx>
* Max explained the difference between NAI and user-ID and described the scenarios when a user may have multiple subscriptions. In such cases, NAI should be used to identify the subscription rather than a user.
	+ The group can’t reach an agreement at this point but agree to leave it open to the next ballot.
* Hao submitted revised text in chapt. 7.8 to move Element Manager into ANC. Necessary modifications captured in
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0055-00-CF00-comment-resolution-for-cid-15.docx>
* The contributions were reviewed and accepted in the following session.
* Max proposed an amendment on chapter 7.1 network setup with re-organized texts and additional revisions.
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0048-00-CF00-chapter-7-1-text-revision.docx>
* Yonggang provided a revision of the documents with his comments inserted, which was used for discussion:
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0048-01-CF00-chapter-7-1-text-revision.docx>
* Several modifications were applied to the text revision proposal to accommodate comments from Yonggang and others. Final conclusion is contained in
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0048-03-CF00-chapter-7-1-text-revision.docx>
* The group agreed to leave some editorial changes to September F2F to finalize the texts for the next task group ballot.

## Status report of IEEE 5G Initiative

* Patrick reports the latest activity of IEEE 5G Initiative team.
* Max suggests to link 802 projects to the 5G targeting technical areas.
* Hao asked whether the slides presented on the IEEE 5G summits could be made accessible to 802 participants.

## Potential input to 802.1 Industry Connections

* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0057-00-00ic-how-we-see-needs-for-coordination.pdf>
* Contribution was presented and discussed. It was recommended to add about 2 slides to the end providing further technical content indicating potential solutions to entertain technical discussions towards link layer solutions.

Recessed by chair at 17:55

# Thursday, July 13th, 2017

Reconvened at 10:30

## New contents for P802.1CF

* 7.9 Data model
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0059-00-00TG-guidelines-for-creation-of-information-model.pptx>
* Max explained about the difference between data model and information model and presented his thoughts about creation of the section 7.9 Information Model. The group agreed to the proposed principles but wondered how the solution might look like. Max proposed to modify approach during the course of the development as needed.
* The group decides to proceed the modeling process in a top down manner, avoiding to touch too many details at the beginning.
* Hao is asked to bring more investigation results to the next conference call for initiation of the discussion.
* Amendments to existing chapters
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0058-00-00TG-tsn-in-omniran.pptx>
* Max shortly presented the slides, which were not presented to TSN due to running out of time. Nevertheless, a joint meeting is planned with TSN at the next interim meeting to discuss the solution in the P802.1CF document.

## Plan for going WG ballot w/ 802.1CF-D0.6 draft

* The group agreed that D0.6 incorporating the comment resolution of D0.5 still misses essential content on Information Modeling and TSN and is not yet suited for WG ballot.
* Nevertheless, Walter offered to create a D0.6 for a further TG ballot and as base for performing comprehensive editorial clean up at St. John’s interim as well as for adding the missing content.

## Motions to 802.1 closing plenary

* The chair brought up the single motion of OmniRAN for the closing 802.1 plenary on approval of conference calls. Conference calls after the September interim will be announced with 10 days prior notice on the 802.1 mailing list.

## Conference calls until Sep F2F

* The group decided to have one conference call on Tue, July 25th, 2017, 09:30-11:00AM ET for editorial review of D0.6 and further discussions on Information Modeling.

## Status report to IEEE 802 WGs

* The chair drafted a short summary of the report of the meeting and the group jointly introduced refinements for final conclusion and acceptance. The agreed document is uploaded under <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0060-00-00TG-jul-2017-report-to-ieee802-wgs.pptx>

## AOB

* Hao reported about presentations in the 802.15 WNG session on Wednesday showing use case scenarios closely related to the presentation on Layer 2 virtualized networking to the IC NEND.
* <https://mentor.ieee.org/802.15/dcn/17/15-17-0399-01-0dep-on-the-way-to-industry-4-0.pdf>

Meeting adjourned by chair at 12:29.