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| Minutes of IEEE 802.1 OmniRAN TG Meeting in Dallas, TX |
| **Date: November 9th - 12th, 2015** |
| **Author(s):** |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| Walter Pienciak | IEEE-SA |  | +1 303 527 0934 | w.pienciak@ieee.org |

## Abstract

Minutes of the IEEE 802.1 OmniRAN TG meeting at the IEEE 802 Plenary Meeting in Dallas, TX on November 9-12, 2015

# Monday, November 9th, 2015

Chair: Max Riegel

Recording secretary: Walter Pienciak

## Call to order

* Meeting called to order by Max Riegel at 16:08 hrs.
* Meeting was guided by the slides uploaded and maintained by the chair:
<https://mentor.ieee.org/omniran/dcn/15/omniran-15-0051-01-00TG-nov-2015-f2f-meeting-slides.pptx>

## Minutes

* Walter Pienciak volunteered to take notes.

## Attendance

* IEEE 802.1 meeting IMAT page was used for recording of attendance
* IEEE 802.1 provides reciprocal attendance credits to members of IEEE 802.11.
* OmniRAN sessions were arranged such that they are fully aligned to IEEE 802.11 session times to avoid conflicts in the attendance recording in IMAT.
* Roll call

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| **Name** | **Affiliation** |
| Max Riegel | Nokia Networks |
| Walter Pienciak | IEEE |
| Juan Carlos Zuniga | Interdigital  |
| Yonggang Fang | ZTE |
| Liang Jin | Spirent Comm. |
| Roger Marks | EtherAirNet Assoc. |
| Huang He | ZTE |
| Joseph Levy | Interdigital |
| Behcet Sarikaya | Huawei |
| Scott Marin | self |
| Michael Grigat | Deutsche Telekom  |
| Bahareh Sadeghi | Intel |
| Rui Yang | Interdigital |
| David Bagby | Calypso Ventures |
| Yasushi Takatori | NTT |
| Your-Kwan Kim | Catholic Univ. Korea |
| Wang Hao | Fujitsu |
| Jin Jinyun Zhang | Mitsubishi |
| Hesham ElBakoury | 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:
* Review of minutes
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0047-00-00TG-sept-2015-f2f-meeting-minutes.docx>
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0050-00-00TG-sept-29th-2015-confcall-minutes.docx>
* Reports
* 802.11 as component for 5G
* Review of 802.1CF editor’s draft
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0035-02-CF00-cf-text-review.pdf>
* Comment resolution
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0048-01-CF00-comment-resolution-proposals-for-doc-15-0045-01.docx>
* New P802.1CF contributions
* Network Reference Model
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0053-00-CF00-some-detailed-information-for-network-reference-model.pptx>
* Access network setup
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0042-01-CF00-an-setup-over-unlicensed-band.docx>
* Data path
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0002-02-CF00-key-concepts-of-data-path.pptx>
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0055-00-CF00-data-path-functional-description.docx>
* Fault Diagnosis and Maintenance
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0052-00-CF00-fault-diagnosis-and-maintenance.pptx>
* Wi-Fi as component of 5G within the scope of P802.1CF
* P802.1CF within the scope of 5G
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0054-00-CF00-5g-scope-and-requirements.pptx>
* Project planning
* Publicity activities
* Status report to IEEE 802 WGs
* AOB
* Agenda approved without comments.
* Group agreed to hold session on Wi-Fi as component of 5G within the scope of P802.1CF on Tuesday, PM2. Chair announced the special session on IEEE 802.11 WG mailing list to invite participation from 802.11 usually not following OmniRAN matters.

## Schedule of the topics during the week

* 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/15/omniran-15-0047-00-00TG-sept-2015-f2f-meeting-minutes.docx>
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0050-00-00TG-sept-29th-2015-confcall-minutes.docx>
* Reports
* 802.11 as component for 5G
* New edition cf-text-review
* New P802.1CF contributions
* Network Reference Model
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0053-00-CF00-some-detailed-information-for-network-reference-model.pptx>

***Tuesday***

* Wi-Fi as component of 5G within the scope of P802.1CF
* P802.1CF within the scope of 5G
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0054-00-CF00-5g-scope-and-requirements.pptx>

***Wednesday***

* New P802.1CF contributions
* Data path
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0002-02-CF00-key-concepts-of-data-path.pptx>
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0055-00-CF00-data-path-functional-description.docx>
* Fault Diagnosis and Maintenance
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0052-00-CF00-fault-diagnosis-and-maintenance.pptx>

***Thursday***

* New P802.1CF contributions
* Access network setup
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0042-01-CF00-an-setup-over-unlicensed-band.docx>
* Review of 802.1CF editor’s draft
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0035-02-CF00-cf-text-review.pdf>
* Comment resolution
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0048-01-CF00-comment-resolution-proposals-for-doc-15-0045-01.docx>
* Project planning
* Publicity activities
* Status report to IEEE 802 WGs
* AOB

## Review of minutes

* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0047-00-00TG-sept-2015-f2f-meeting-minutes.docx>
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0050-00-00TG-sept-29th-2015-confcall-minutes.docx>
* No demand for revision was raised.

## Reports

* 802.11 as component for 5G
* Juan Carlos reported about his participation in the last NGMN meeting and the high level discussions. He was asked to participate in the panel on Monday evening and provide his observations regarding adoption of Wi-Fi as a 5G technology.
* After the panel further discussions will come up in WNG, ARCH and 802.11 mid-week plenary.
* New edition cf-text-review
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0035-02-CF00-cf-text-review.pdf>
* Short announcement that another edition of the initial text proposal was made available.

## New P802.1CF contributions

* Network Reference Model
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0053-00-CF00-some-detailed-information-for-network-reference-model.pptx>
* Presentation proposes to include in the P802.1CF specification comprehensive attribute sets than currently available in TR069/TR-181 device model 2 for Wi-Fi
* Discussion showed that support of comprehensive attribute sets is desirable and required, however the detailed specification of the attributes is in the scope of the projects defining the IEEE 802 technologies.
* It was pointed out that there are different possibilities to structure attributes. While TR-181 adopts a network model and IEEE 802.11 arranges the attributes according to the protocol architecture, OmniRAN defines attributes aligned to its functional model.
* P802.1CF may provide generic container concept to support comprehensive attribute sets in a common framework.
* Contribution was considered helpful for discussion and clarification but did not lead to concrete actions.

Recessed by chair at 18:05

# Tuesday, November 10th, 2015

Reconvened at 16:01

* Call for IPR: No response

## Wi-Fi as component of 5G within the scope of P802.1CF

* P802.1CF within the scope of 5G
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0054-00-CF00-5g-scope-and-requirements.pptx>
* Presentation and discussion showed that P802.1CF might be well suited as the basic document to address the network requirements stated in NGMN 5G whitepaper
* However not addressing wide-area high mobility
* OmniRAN TG will forward the conclusion to the WGs on the investigations on NGMN network requirements and continue to follow the 5G discussions in IEEE 802. Further activities on 5G will depend on decisions made by EC or IEEE 802.11.

Recessed by chair at 18:00

# Wednesday, November 11th, 2015

Reconvened at 16:02

* Call for IPR: No response

## New P802.1CF contributions

* Fault Diagnosis and Maintenance
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0052-00-CF00-fault-diagnosis-and-maintenance.pptx>
* Presentation shows needs and benefits to add a dedicated chapter on Fault diagnostics and maintenance to the Functional Design and Decomposition.
* Idea and proposal was well received by group.
* Group agreed to insert chapter on fault diagnostics and maintenance at the end of Functional Design and Decomposition.
* Discussion about better terminology for ‘accounting’ did not lead to a final conclusion. ‘Accounting’ is considered as an ambiguous term.
* Data path
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0002-02-CF00-key-concepts-of-data-path.pptx>
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0055-00-CF00-data-path-functional-description.docx>
* Document provides initial text on data path in Functional Design and Decomposition.
* Extensive discussion about whether re-use of Ethernet service types of MEF in P802.1CF is appropriate.
* Document requires further amendments and refinements, and re-use of MEF terminology was considered as helpful when similarities exist.

Recessed by chair at 18:00

# Thursday, November 12th, 2015

Reconvened at 10:30

* Call for IPR: No response

## New P802.1CF contributions

* Access network setup
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0042-01-CF00-an-setup-over-unlicensed-band.docx>
* Updated text shortly introduced by Yonggang.
* Max raised concerns about the used terminology, e.g. Service Provider Network does not exist in the P802.1CF model, and he asked for possibility for offline review of text and resolution of terminology issues with the authors before next conference call.

## Review of 802.1CF editor’s draft

* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0035-02-CF00-cf-text-review.pdf>
* Comment resolution
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0048-01-CF00-comment-resolution-proposals-for-doc-15-0045-01.docx>
* Highlighted issues in current text proposal were discussed and resolved.
* Max provided further editorial guidance in the referenced document for the editorial corrections of NDS chapter.

## Project planning

* Review of timeline of progressing P802.1CF
* Contributions to Dallas meeting indicated that sufficient content for a first editor’s draft may be available after the upcoming interim meeting in January.
* Plan confirmed to release first editor’s draft D0.1 for task group ballot after next plenary meeting in March 2016
* Starting task group ballot requires approval by the 802.1 WG – earliest date possible at the end of the March 2016 plenary meeting.

## Conference calls

* December 10th, 10:00AM ET
* Dial-in details on OmniRAN TG Wiki page on mentor
<https://mentor.ieee.org/omniran/bp/StartPage>
* Review contributions invited in Nov meeting to conclude on next draft text revision
* Another call on Feb 23rd, 10:00AM ET to prepare for March plenary meeting
* Approval of conference calls is the only topic for approval by 802.1 closing plenary
* Motion was forwarded to 802.1 chair for inclusion into closing plenary slide deck.

## Publicity activities

* No external publicity activities planned for the upcoming period. Main focus of work is the establishment of first editor draft of P802.1CF.

## Status report to IEEE 802 WGs

* Chair drafted report and presented proposal for review and approval. Several comments on wording received and adopted to proposed text.
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0058-00-00TG-nov-2015-status-report-to-802-wgs.pptx>
* Report approved without objections.

## AOB

* Presentation on informative annex on Converged Cable Access Platform
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0057-00-00TG-distributed-ccap-architectures.docx>
* Contribution provides interesting background material and may be considered for inclusion into P802.1CF as informational annex.
* Update required for formal reasons (cover page) as well as for adding text on alignment of CCAP with P802.1CF architecture and approaches.
* Chair announced that he created and uploaded a Word template for creation of contributions to Functional Design and Decomposition.
* <https://mentor.ieee.org/omniran/dcn/15/omniran-15-0056-00-00TG-docx-template-functional-design.docx>
* When asking for further need for discussion, no other topics were raised.

Meeting adjourned by chair at 12:30