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| Draft Minutes, Nendica Meeting, 2018-11-13 |
| **Date: 2018-11-26** |
| **Author(s):** |
| **Name** | **Affiliation** | **Phone** | **email** |
| Hao Wang | Fujitsu |  | wangh@cn.fujitsu.com |

## Abstract

Draft Minutes of the IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity (Nendica) face-to-face meeting in Bangkok, Thailand, 13th November 2018.

## Call to order

Chair called the meeting to order at 19:31 local time.

Hao Wang volunteered to record the minutes.

Chair announced the mandatory IEEE-SA guidelines and IEEE 802 meeting participation rules. He also reviewed the IEEE ICCOM requirements, as embedded in the agenda.

## Agenda

The Chair reviews the proposed agenda in <https://1.ieee802.org/802-nendica/agenda-ieee-802-nendica-meeting/>. The agenda was approved without objection (see approved agenda as attached at the end).

The Chair reminds attendees to register their attendance using IEEE’s IMAT webpage.

## Minutes and Reports

Chair reviewed the draft minutes of Nendica conference call of 7th November 2018:

* <https://mentor.ieee.org/802.1/dcn/18/1-18-0067-01-ICne.docx>

There were no comments on this document. Minutes were approved.

## Work Items

• Lossless Data Center Networks (LLDCN)

Paul Congdon, Editor of the LLDCN Work Item, gave the summary report on the joint workshop between IEEE 802 and IETF held on Nov.10th.

* It was focusing on data center technologies and standards developed by IEEE and IETF, organized by Paul Congdon and supported by Nendica Chair;
* It was inspired by the work of Nendica LLDCN project, and the presentation materials will be posted on IEEE website;
* About 70 people registered for the workshop, 55 people signed up on-site.
* It was suggested that future Nendica activities could be leveraged as a platform to collaborate IEEE and IETF on data center technologies.

Chair led the group to review his contribution 802.1-0075-00 on the recommendation of IEEE-SA Publicity for Nendica Data Center Activity:

* <https://mentor.ieee.org/802.1/dcn/18/1-18-0075-00-ICne.docx>
* It was approved, without objection, to forward the recommendation to SA staff;

• Flexible Factory IoT (FFIOT)

Editor of FFIOT report took the role and lead the group for comment resolution.

* Consolidated comment databased are recorded in 802.1-0052-03;
* Comment resolution is resumed from #56;
* Comments #55, #23, #83 are all related with Figure 2 which is about the topology and architecture of the factory network. Hao Wang is willing to take the task and provide texts contribution further elaborate Figure 2.
* Comment #87 triggers the discussions on the value of explaining ‘brownfield’ in the paper. Opposite options are provided among the participants. Initial proposal by the editor can’t fulfill the request from the commentor. Tomoki Ohsawa will provide the alternative remedy proposal.
* Comments on the section ‘radio environment scenario’ are deferred since the whole section is about to be re-written. Initial proposal is provided as 802.1-0058-01.
* The comment resolution ends in #153.

## Future Directions

Chair brought up the draft of Nendica annual report as in document 802.1-0078-00 and asked for approval to forward to 802.1 WG Chair.

* It was suggested to add the effort on organizing and hosting the joint workshop as one of the deliverables;
* The updated document to-be 802.1-0078-01 is approved to send to 802.1 Chair.

Chair proposed a motion as follows to renew the Nendica ICAID:

Motion: ‘To request authorization for the January 2019 Nendica meeting to generate documentation requesting a renewal of an updated Nendica ICAID past March 2019’.

* Motion passes, without objection.
* It was suggest to promote the role of Nendica in ICAID revisions and highlight the responsibility on harmonizing the technologies, initiating dialog and liaison between IEEE 802 and other SDOs in the ecosystem such as IETF;
* Hao Wang is willing to work with Chair to update ICAID of Nendica.

## Future Meetings

The next Nendica F2F meeting will be held on Jan. 15 at 19:30 in St. Louis, USA, that will be connected by teleconference to an IEEE 802.1 Interim session in Hiroshima, Japan.

IEEE 802.1 OmniRAN TG Chair is willing to coordinate to set up the connection.

Upon the request of FFIOT editor, the group agreed to hold 4 bi-weekly teleconferences for comment resolution. The dates were scheduled on Nov. 29, Dec 13, Jan 04, and Jan 10.

## Conclusion

The meeting was adjourned at 10:35 PM local time.

## Attendance

28 individuals registered on IMAT.

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| ***Name*** | ***Affiliation*** |
| Bottorff, Paul | Hewlett-Packard Development Company, L.P. |
| Cavalcanti, Dave | Intel Corporation |
| Cheng, Weiying | Coriant |
| Congdon, Paul | Tallac Networks; Huawei |
| Hiertz, Guido | Ericsson AB |
| Itaya, Satoko | National Institute of Information and Communications Technology (NICT) |
| Kabra, Lokesh | Synopsys, Inc. |
| Karl, Michael | Marvell Semiconductor, Inc. |
| Kondo, Yoshihisa | Advanced Telecommunications Research Institute International (ATR) |
| KOTO, Hajime | National Institute of Information and Communications Technology (NICT) |
| Levy, Joseph | InterDigital, Inc. |
| Lv, Lily | Huawei Technologies Co. Ltd |
| Marks, Roger | Huawei |
| Maruhashi, Kenichi | NEC Corporation |
| Ohba, Yoshihiro | Toshiba Memory Corporation |
| Ohsawa, Tomoki | NICT |
| ohue, hiroshi | panasonic |
| Parsons, Glenn | Ericsson AB |
| Rakanovic, Demir | u-blox |
| Riegel, Maximilian | Nokia Networks |
| Wang, Hao | Fujitsu Research & Development Center |
| Wang, Xinyuan | Huawei Technologies Co. Ltd |
| Weis, Brian | Cisco Systems, Inc. |
| Yamaura, Takahiro | TOSHIBA Corporation |
| Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| YU, XIANG | Huawei Technologies Co., Ltd |
| YU, Yi | Rockwell Automation |
| Zein, Nader | NEC Europe (NLE) |

## Agenda

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Topic | Subtopic | Subtopic Detail | Doc/Link | Type\* | Lead | min |
| Opening | Call to Order | Nendica Meeting Overview | 802.1-18-0065 https://mentor.ieee.org/802.1/dcn/18/1-18-0065-00-ICne.pptx | I | Marks | 2 |
|  | Identify secretary |  |  |  |  | 1 |
|  | Introductions |  |  | I |  | 1 |
|  | Guidelines for IEEE-SA Meetings |  | Guidelines for IEEE-SA Meetings https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.pdf | I |  | 1 |
|  | IEEE 802 Participation |  | IEEE 802 Participation https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180.pptx | I |  | 1 |
|  | IEEE ICCOM requirements |  | IEEE ICCOM requirementshttps://1.ieee802.org/802-nendica/ieee-iccom-requirements/ | I |  | 1 |
|  | Nendica Procedures |  | Nendica Procedureshttps://1.ieee802.org/802-nendica/ieee-802-nendica-procedures/ | I |  | 1 |
| Agenda | any modifications to the draft agenda | Motion: To approve the agenda as displayed |  | V |  | 1 |
| Update | Nendica Web Site |  | Nendica Web Site https://1.ieee802.org/802-nendica | I |  | 1 |
|  | Nendica Mentor Server |  | Nendica Mentor Server https://mentor.ieee.org/802.1/documents?is\_group=Icne | I |  | 1 |
|  | Membership: none |  |  | I |  | 0 |
|  | Attendance | register using 802.1 IMAT | http://imat.ieee.orghttps://imat.ieee.org/802.1/attedance-access-code?p=2390200005&t=28800043 | I |  | 2 |
| Minutes |  |  |  | V |  | 0 |
|  |  | Motion: To approve 802.1-18-0067-01 as the minutes of the Nendica teleconference meeting of 2018-11-07 | Draft Minutes https://mentor.ieee.org/802.1/dcn/18/1-18-0067-01-ICne.docx | V |  | 1 |
|  |  |  |  |  |  |  |
| Work Items |  |  |  |  |  |  |
|  | Lossless Data Center Networks (LLDCN) |  |  |  | Congdon |  |
|  |  | Report on IEEE 802/IETF Data Center Workshop of 2018-11-10 | Workshop Agendahttps://1.ieee802.org/802-nendica/802-ietf-workshop-data-center-bangkok | I |  | 2 |
|  |  | Future directions for LLDCN |  | I,D |  | 2 |
|  |  | Publication dissemination and publicity | Proposed IEEE-SA Publicity for Nendica Data Center Activity https://mentor.ieee.org/802.1/dcn/18/1-18-0075-00-ICne.docx | V |  | 5 |
|  | Flexible Factory IoT (FFIOT) |  |  |  | Zein |  |
|  |  | Call for Comments status |  | I,D |  | 3 |
|  |  | Call for Comments: comment resolution |  | D |  | 90 |
|  |  | Plans |  | I,D |  | 5 |
| Future Directions | Annual Report to ICCOM | Annual Nendica Report (Proposed Draft) (see also <https://mentor.ieee.org/802.1/dcn/18/1-18-0078-01-ICne.docx https://mentor.ieee.org/802.1/dcn/18/1-18-0078-00-ICne.docx | V |  |  |
|  |  | Potential new Work Items |  | D |  | 15 |
|  |  | ICAID renewal | ICAID Extension and Revision (Proposed Draft) https://mentor.ieee.org/802.1/dcn/18/1-18-0079-00-ICne.docx | I,D | Marks | 5 |
| Future Meetings |  |  | I,D |  | 5 |
|  |  | St. Louis: 2019-01-15, 19:30; connection to IEEE 802.1 Interim (Hiroshima, 2019-01-16 10:30) | I,D |  |  |
|  |  | Decision: To request authorization for the January 2019 Nendica meeting to generate documentation requesting a renewal of an updated Nendica ICAID past March 2019 | V |  |  |
|  |  | telecons [mainly for FFIOT comment resolution; other topics too] |  | I,D |  |  |
| New Business |  |  |  |  |  |
|  |  | Any other business |  | I,D |  | 3 |
| Adjournment |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  | \*I=Information D=Discussion A=Action V=Vote |  |  |  |  |