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| Draft Minutes, Nendica Meeting, 2019-01-16 |
| **Date: 2019-01-31** |
| **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 St Louis, USA (15 January 2019) and Hiroshima, Japan (16th January 2019).

## Call to order

Chair (in St Louis) called the meeting to order at 10:31 Hiroshima time.

Hao Wang volunteered to record the minutes.

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

## Agenda

The Chair reviewed 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 in Annex).

## Update

The Chair led the group to review document 802.1-19-0005 as the overview of Nendica meetings (presented as r0, later updated as r1 following the meeting:

* <https://mentor.ieee.org/802.1/dcn/19/1-19-0005-01-ICne-nendica-meeting-overview-2019-01.pptx>

The Chair reminded attendees to register their attendance using IEEE’s IMAT webpage. (See attendance list in Annex)

## Minutes

Chair reviewed the draft minutes of Nendica conference call of 9th January 2019:

* <https://mentor.ieee.org/802.1/dcn/19/1-19-0006-00-ICne-minutes-of-nendica-meeting-of-2019-01-09.docx>

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

## Future Directions

Chair reviewed the draft ICAID marked on top of the previous version:

* <https://mentor.ieee.org/802.1/dcn/18/1-18-0079-01-ICne-icaid-extension-and-revision-proposed-draft.docx>

When Chair called out for volunteers who is willing to have their name listed in section 7.3., Nader Zein, Paul Congdon and Hao Wang responded.

Chair reviewed the 2018 annual report, which has been approved in 802.1 WG at November Plenary meeting.

Motion: ‘To approve 802.1-18-0079-02 as a renewal of Nendica ICAID to be submitted to ICCOM together with document 802.1-18-0078-02 as 2018 annual report.’

* Moved by Karl Weber, Second by Max Riegel
* Motion passed by unanimous consent

## Work Items

• Lossless Data Center Networks (LLDCN)

Paul Congdon, Editor of the LLDCN report, introduced the follow-up on publicity:

* The information about Congdon’s webinar presentation on lossless data center networks has been circulated on the Nendica reflector;
* The webinar will be presented Jan 25th, mainly based on the contents of the Nendica LLDCN Report.
* The initial version of the presentation has been uploaded to mentor:
* <https://mentor.ieee.org/802.1/dcn/19/1-19-0007-00-ICne-draft-lldcn-webinar-presentation.pdf>

Chair notified the group that his previously-approved NANOG presentation had been submitted as a proposal to the NANOG meeting of 18-20 February:

* <https://mentor.ieee.org/802.1/dcn/19/1-19-0004-01-ICne-proposed-nendica-presentation-to-nanog-75.pptx>

• Flexible Factory IoT (FFIOT)

Nader Zein, editor of the FFIOT report, took over and gave the update on the progress of the comment resolution.

* When Chair asked if there is a skeleton document showing the re-structuring of the paper, Nader re-visited the concluded work items from the last conference call.
* The group discussed whether the architecture and the contents in P60802 are relevant to this paper.

The group continued to the comment resolution.

* #201, As Karl Weber explained his concern on the latency requirement regarding the display applications, it is agreed to extend the bar of ‘work instruction’ in Figure 11 to 100ms.
* #202, it is suggested to replace ‘emergence warning’ with ‘emergence warning and safe reactions’. Further, it is explained that safety is beyond the communication requirement.
* #203, the group review document 802.1-19-0001-01 and accepted the proposed additions to Table 2 and 13.
* #206, as the definition of ‘delivery time tolerance’ was clarified; it is agreed to reject the comment.
* #207, it is agreed to add some examples in the cell under ‘corresponding information’.
* #208, it is agreed to further elaborate the meaning of ‘air stream’ for this application.
* #209, the comment is agreed to be rejected.
* #210, it is agreed to remove the word ‘fail safe’ from the cell.

Editor offered to work offline with the commentor to address all of his comments, then upload the database.

## Future Meetings

The next Nendica F2F meeting will be held on March. 12 at 7:30 PM in Vancouver, Canada, and an additional backup slot will be considered in Wednesday for comment resolution.

Chair suggested to meet in both 802.1 and wireless interim meetings in May.

Upon the request of FFIOT editor, the group agreed to hold 3 teleconferences for comment resolution, namely Jan. 31th, Feb 7th and Feb 14th.

## Conclusion

The meeting was adjourned at 11:40 AM local time.

## Attendance

23 individuals registered on IMAT. Attendance was divided about equally between Hiroshima and St Louis.

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| ***Name*** | ***Affiliation*** |
| DeLaOlivaDelgado, Antonio | Universidad Carlos III Madrid |
| Hiertz, Guido | Ericsson AB |
| Horihata, Kenshi | Panasonic Corporation |
| Itaya, Satoko | National Institute of Information and Communications Technology (NICT) |
| KINNEY, PATRICK | Kinney Consulting LLC |
| Kondo, Yoshihisa | Advanced Telecommunications Research Institute International (ATR) |
| Krieger, Ann | US Department of Defense |
| Levy, Joseph | InterDigital |
| Marks, Roger | Huawei |
| Maruhashi, Kenichi | NEC Corporation |
| Max, Sebastian | Ericsson AB |
| Myles, Andrew | Cisco Systems, Inc. |
| Ohori, Fumiko | National Institute of Information and Communications Technology (NICT) |
| Ohsawa, Tomoki | NICT |
| ohue, hiroshi | panasonic |
| Parsons, Glenn | Ericsson AB |
| Sato, Shinichi | FUJITSU |
| Sherlock, Ian | Texas Instruments |
| Wang, Hao | Fujitsu Research & Development Center |
| Weber, Karl | Beckhoff |
| Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| YU, XIANG | Huawei Technologies Co., Ltd |
| Zein, Nader | NEC Europe (NLE) |
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## Agenda

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Topic** | **Subtopic** | **Subtopic Detail** | **Doc/Link** | **Type\*** | **Lead** | **min** |
| Opening | Call to Order |  |  |  |  | 0 |
|  | 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 requirements](https://1.ieee802.org/802-nendica/ieee-iccom-requirements/) | I |  | 1 |
|  | Nendica Procedures |  | [Nendica Procedures](https://1.ieee802.org/802-nendica/ieee-802-nendica-procedures/) | I |  | 1 |
| Agenda | any modifications to the draft agenda | To approve the agenda as displayed |  | V |  | 1 |
| Update |  |  |  | I |  | 1 |
|  | 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 | [Register with 802.1 IMAT](https://imat.ieee.org/802.1/attedance-access-code?p=2783900005) | I |  | 2 |
|  | Nendica Meeting Overview |  | [802.1-18-0005](https://mentor.ieee.org/802.1/dcn/19/1-19-0005-00-ICne.pptx) | I | Marks | 2 |
| Minutes |  |  |  | V |  | 0 |
|  |  | To approve 802.1-19-0006-00 as the minutes of the Nendica teleconference meeting of 2019-01-09 | [Draft Minutes](https://mentor.ieee.org/802.1/dcn/19/1-19-0006-00-ICne.docx)  | V |  | 1 |
| Future Directions |  |  |  |  |  |  |
|  |  | To agree to forward ICAID renewal draft accompanied by 2018 Annual Nendica Report as background information | [ICAID Extension and Revision (Proposed Draft, r1)](https://mentor.ieee.org/802.1/dcn/18/1-18-0079-01-ICne.docx)  | I,D,V | Marks | 15 |
|  |  |  | [2018 Annual Nendica Report](https://mentor.ieee.org/802.1/dcn/18/1-18-0078-01-ICne.ppt) |  |  |  |
|  |  | Potential new Work Items |  | D |  | 5 |
|  |  |  |  |  |  |  |
| Work Items |  |  |  |  |  |  |
|  | [Lossless Data Center Networks (LLDCN)](https://1.ieee802.org/802-nendica/nendica-lldcn/) |  |  |  | Congdon |  |
|  |  | any followups to recent publicity | [IEEE-SA Beyond Standards](https://beyondstandards.ieee.org/networking/laying-the-foundation-for-the-lossless-data-center/) | I,D |  | 5 |
|  |  | Nendica Presentation submitted to NANOG 75 and followup actions | [IEEE 802.1-19-0004-01](https://mentor.ieee.org/802.1/dcn/10/1-19-0004-01-ICne.pptx) | I | Marks | 3 |
|  | [Flexible Factory IoT (FFIOT)](https://1.ieee802.org/802-nendica/nendica-ffiot/) |  |  |  | Zein |  |
|  |  | Call for Comments status |  | I,D |  | 3 |
|  |  | Call for Comments: comment resolution |  | D |  | 60 |
|  |  | Plans |  | I,D |  | 2 |
| Future Meetings |  |  |  | I,D |  | 10 |
|  |  | in-person: Vancouver (IEEE 802 Plenary): 2019-03-12, 19:30; possible additional time slot on Wed | agenda to include responding to comments on ICAID (comments due Tue 18:30) | I,D |  |  |
|  |  | in-person: May 2019 IEEE 802 Wireless Interim (Atlanta, May 14)? |  | D |  |  |
|  |  | in-person: May 2019 IEEE 802.1 Interim (Salt Lake City, May 21)? |  | D |  |  |
|  |  | telecons [mainly for FFIOT comment resolution; other topics too] |  | I,D |  |  |
| New Business |  |  |  |  |  |  |
|  |  | Any other business |  | I,D |  | 3 |
| Adjournment |  |  |  |  |  |  |
|  |  |  |  |  |  | =Total: {SUM(G2:G38)} |
|  |  | \*I=Information D=Discussion A=Action V=Vote/Decision |  |  |  |  |
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