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| **Draft Minutes of the Nendica Meeting of 2020-04-09** |
| **Date: 2020-04-09** |
| **Author(s):** |
| **Name** | **Affiliation** | **Phone** | **email** |
| Roger Marks | Huawei Technologies Co., Ltd.; EthAirNet Associates | +1-802-capable | roger@ethair.net |

**Abstract**

Draft minutes of the IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity (Nendica) teleconference meeting of 9 April 2020.

# Attendance and affiliation

(as declared)

|  |  |
| --- | --- |
| **Name** | **Affiliation** |
| Andersdotter, Amelia | None - Self-funded |
| Congdon, Paul | Huawei Technologies Co. Ltd |
| DeLaOlivaDelgado, Antonio | Universidad Carlos III Madrid |
| Marks, Roger | Huawei; EthAirNet Associates |
| Maruhashi, Kenichi | NEC Corporation |
| Proell, Dieter | Siemens AG |
| Riegel, Maximilian | Nokia |
| Zein, Nader | NEC Europe (NLE) |

The secretary noted no other attendees.

# Nendica

The IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity (Nendica) Chair, Roger Marks, presided.

Roger Marks wrote the minutes.

**9 April 2020 09:00 ET (call to order by the Nendica Chair)**

The Nendica Chair noted the following materials, all provided beforehand via the agenda:

* IEEE-SA Guidelines for IEEE-SA Meetings <https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.pdf>
* IEEE SA Copyright Slides <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/copyright-policy-WG-meetings.potx>
* IEEE SA Participation Slides <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/Participant-Behavior-Individual-Method.pdf>
* IEEE 802 Participation slide <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180.pdf>,
* IEEE ICCOM requirements<https://1.ieee802.org/802-nendica/ieee-iccom-requirements/>.

**Agenda Approval**

The Nendica Chair presented the previously-available draft agenda.

**Disposition**: The agenda was reviewed and approved without change. The approved agenda is recorded in the Annex below.

**Update and Attendance**

The Nendica Chair reviewed changes he had made to the Nendica web pages, including adding pages for the two new Work Items initiated on 2020-03-29 and including initial workplans on the schedule <https://1.ieee802.org/802-nendica/nendica-schedule/>. The Chair displayed the Nendica calendar and noticed an extraneous item to be deleted. [Note: This has been corrected.]

The Nendica Chair discussed how to record attendance for the meeting, using the link embedded in the agenda. The Chair noted that Nendica is now using the IEEE IMAT system for logging attendance. The participant list above in section 1 is provided from the attendance logs.

**Prior Minutes**

The Nendica Chair reviewed the draft minutes of meeting of 2020-03-18 in 802.1-20-0020-00. No comments were raised.

**FFIoT**

Nader Zein reported that the responsible IEEE staff editor had prepared the Nendica Report on FFIoT for publication, that the pre-publication draft was reviewed with only minor comments, and that publication is expected on 17 April. Marks noted that he will seek permission to post it on the Nendica web site and will also include information there on how to submit comments on the published report. Marks will request the editable source from staff for use as the DCN and SFI template. [Note: Chair has made the request.]

**Data Center Networking [DCN]**

Co-Editor Paul Congdon provided and update on the Work Item, summarizing the meeting of last week. Progress continues on further developing the document outline.

**Stream and Flow Interworking [SFI]**

Marks reported that “IEEE 802 Nendica Work Item Proposal: Network Stream and Flow Interworking” ([802.1-20-0004-04-ICne](https://mentor.ieee.org/802.1/dcn/20/1-20-0004-04-ICne.pdf)) had been initiated as a new Work Item following approved by the 802.1 WG in an ePoll closing 2020-03-29, as declared by the 802.1 WG Chair. Marks noted the ePoll result (30/2/15), commenting that he had reached out to the two Disapprove voters to understand their concerns and had received a response from one. Marks reported that this Work Item will be the primary topic of next week’s Nendica meeting.

The group discussed two contributions presented earlier in the week to the IEEE 802.11 AANI subcommittee regarding 5G/TSN interworking:

* <https://mentor.ieee.org/802.11/dcn/20/11-20-0013-01-AANI.docx>
* <https://mentor.ieee.org/802.11/dcn/20/11-20-0580-00-AANI.pptx>

Participants indicated that additional information would be helpful, particularly regarding 5G/TSN interworking and on the use of EDCA vs. HCCA for interworking of 802.11 flows/streams.

**Study Item: Managed LAN as a Service [MLaaS]**

No report was presented and no discussion arose. The prior report remains current.

**Future meetings/teleconferences**

It was agreed to schedule Stream and Flow Interworking [SFI] topics biweekly, with the next meeting 2020-04-23 (09:00 ET). It was agreed that, two days before each meeting, the agenda would be updated with contributions received or the Chair would announce cancellation of the meeting if no material was available for discussion.

Nendica teleconferences will take place weekly, alternating between the two Work Item topics.

The Chair noted that the 802.1 WG plans a dense schedule of teleconferences the week of 2020-05-18, in lieu of the cancelled face-to-face session that week. He noted that Nendica teleconferences are currently scheduled for both Wednesday and Thursday that week, at the usual time of 09:00 ET. The plan is for the SFI topic on Thursday, in the regular biweekly slot, with DCN on Wednesday. Other topics will be scheduled for one of the two slots.

**A.O.B.**

None.

**Adjournment**

The meeting was adjourned at 10:22 ET.

**Annex: Approved Agenda**

| **Topic** | **Subtopic** | **Subtopic Detail** | **Doc/Link** | **Type\*** | **Lead** | **min** |
| --- | --- | --- | --- | --- | --- | --- |
| Information | Locations |   | teleconference only [[connect to https://join.me/Nendica802](https://join.me/Nendica802)] |   |   |   |
|   | Time | [2020-04-09 09:00 (2 hours)](https://www.timeanddate.com/worldclock/fixedtime.html?msg=Nendica+Teleconference&iso=20200409T0900&p1=179&ah=2) |   |   |   |   |
|   |   | Note: Meeting open to anyone |   |   |   |   |
| Opening | Call to Order |   |   |   |   | 2 |
|   | Identify secretary |   |   |   |   | 2 |
|   | 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 |   | 2 |
|   | IEEE SA Copyright Policy |   | [IEEE SA Copyright slides](https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/copyright-policy-WG-meetings.potx) |   |   |   |
|   | IEEE SA Participation |   | [IEEE SA Participation slides](https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/Participant-Behavior-Individual-Method.pdf) | I |   | 2 |
|   | IEEE 802 Participation |   | [IEEE 802 Participation slides](https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180.pdf) | I |   | 2 |
|   | IEEE ICCOM requirements |   | [IEEE ICCOM requirements](https://1.ieee802.org/802-nendica/ieee-iccom-requirements/) | I |   | 2 |
|   | Nendica Procedures |   | [Nendica Procedures](https://1.ieee802.org/802-nendica/ieee-802-nendica-procedures/) | I |   | 2 |
| Agenda Review | 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 attendance and affiliation (IEEE web account required) | [Log Attendance using IMAT here](https://imat.ieee.org/sp7200043/attendance-log?d=04/09/2020&p=3024400005&t=524200043) | I |   | 2 |
|   |   |   |   |   |   |   |
| Minutes |   |   |   |   |   | 5 |
|   |   | To review the following minutes document: 802.1-20-0023-00 (2020-03-18) | [802.1-20-0023](https://mentor.ieee.org/802.1/dcn/20/1-20-0023-00-ICne.docx) | D |   |   |
|   |   |   |   |   |   |   |
| Concluding Work Items |   |   |   |   |   |   |
|   | [Flexible Factory IoT (FFIoT)](https://1.ieee802.org/802-nendica/nendica-ffiot/) | Report |   | I | Nader Zein | 3 |
| Work Items |   |   |   |   |   |   |
|   | Revision of “The Lossless Network for Data Centers” | review 802.1 WG ballot results and summarize meeting planNote: Ballot closed 2020-03-29 (33/0/13) | [802.1-20-0002-02](https://mentor.ieee.org/802.1/dcn/20/1-20-0002-02-ICne.pptx) |   |   | 5 |
|   | Network Stream and Flow Interworking | review 802.1 WG ballot results and summarize meeting planNote: Ballot closed 2020-03-29 (30/2/15) | [802.1-20-0004-04](https://mentor.ieee.org/802.1/dcn/19/1-20-0004-04-ICne.pdf) |   |   | 90 |
|   |   | Contributions | tbd |   |   |   |
|   |   | Relevant documents from IEEE 802.11 AANI | [see Mentor](https://mentor.ieee.org/802.11/documents?is_group=AANI) | I,D |   |   |
|   |   | Plans |   | D |   |   |
| Study Items |   |   |   |   |   |   |
|   | [Study Item: Managed LAN as a Service [MLaaS]](https://1.ieee802.org/802-nendica/nendica-mlaas/) |   |   | D | Wei Qiu | 10 |
| Future Meetings |   |   |   |   |   | 10 |
|   |   | future SFI telecons | finalize plan to repeat every two weeks (using WebEx) | A |   |   |
|   |   | "virtual 802.1 WG Interim" | week of 2020-05-18; expect a Nendica teleconference on the normal schedule (Wed or Thu) | I,D |   |   |
|   |   | in-person: Montreal (IEEE 802 Plenary) Week of 2020-07-14 |   | I,D |   |   |
|   |   | teleconsNote 802.1 motion of November: "Authorize Nendica to hold teleconferences to progress work items and matters arising: – Dates/times to be announced subject to notice of at least 10 days to the 802.1 email exploder and website" |   | I,D |   |   |
| New Business |   |   |   |   |   |   |
|   |   | Any other business |   | I,D |   | 5 |
| Adjournment |   |   |   |   |   |   |
|   |   | \*I=Information D=Discussion A=Action V=Vote/Decision |   |   |   |   |