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| Minutes of the IEEE 802 Nendica Meeting of 2018-09-11 |
| **Date: 2018-09-12** |
| **Author(s):** |
| **Name** | **Affiliation** | **Phone** | **email** |
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## Abstract

Draft Minutes of the IEEE 802 Network Evolution for the Next Decade Industry Connections (Nendica) meeting in Waikoloa, HI, USA, 2018-09-11.

Chair: Roger Marks

Recording Secretary: Tim Godfrey

## Call to order

The Chair calls the meeting to order at 2018-09-11 19:30 Hawaii Time.

## Minutes

Tim Godfrey volunteers to act as recording secretary.

## Introduction

The Chair points attendees to the Nendica webpage <https://1.ieee802.org/802-nendica>. The Chair shows how to reach this webpage from the IEEE 802.1 website.

The Chair presents guidelines for IEEE-SA meetings and the IEEE Participation slide. The Chair reviews the IEEE ICCOM Guidelines, and the Nendica Procedures for IC activities.

The chair reviews the proposed agenda in <https://1.ieee802.org/802-nendica/agenda-ieee-802-nendica-meeting/> (see approved agenda in Annex 1).

The agenda is approved at 7:42pm with unanimous consent.

The Chair reminds attendees to register their attendance using IEEE’s IMAT webpage. It was reported that 9 people were present in the meeting in Waikoloa, and another 11 were connected by electronic link to a meeting room at the IEEE 802.1 interim session in Oslo, Norway. (See attendance list in Annex 2.)

**Approval of Minutes**

The chair reviews the draft minutes of the 8-August Teleconference, in Nendica document 0046.

There is no discussion on document 0046. That minutes document was approved with unanimous consent.

**Work Items**

The Chair reported that the approved IEEE 802 Nendica Report on “The Lossless Network for Data Centers” is now published as Nendica Mentor document 0042.

The IEEE has not yet published the report in other venues, though IEEE Staff have offered to do so. The chair is expecting a corrected link at IEEE Xplore, as well as additional reference on the IEEE-SA web site and bulletins. He will continue to work with IEEE Staff.

**Flexible Factory IoT (FFIOT)**

Nader Zein is the FFIoT editor. Nader will lead the discussion on comment resolution.

Nader presents Nendica document 0055 “FFIoT Status Report.”

Review of comments on Call for Comments – 257 comments from 8 reviewers.

There were some late comments that are not included in the summary directly, only by reference to a URL.

There were 168 editorial and 88 technical comments.

Nader explains his judgement and proposed resolutions for editorial comments, as described in the spreadsheet document 0054. There are 17 comments that propose further discussion.

The plan is to agree to address editorial comments, discuss the 17 needing discussion, and schedule two teleconferences.

Objective is to have a new draft before the November 2018 meeting for circulation and comment collection. Nader asks if another 30 days is required for a recirculation comment collection. The Chair says there is no specific rule for the recirculation. There should be a judgement based on the extent of changes, but the Chair thinks that close to 30 days would be ideal, to allow careful review given the extent of the comments. Nader says he will try to initiate a recirculation collection 30 days before the November 13 next meeting date.

Nader says he intends to assign technical comments to some of the contributors. The Chair says that we should ask for volunteers to resolve comments, not restricting the resolution to the developers of the earlier draft.

The Chair notes that it would be useful to mention document 0054 in any revision of the document 0055, to indicate the source of the comments and proposed resolutions.

Nader presents the comment spreadsheet in document 0054.

There is extensive discussion on the comments and resolutions. Nader agreed to upload the 0054r1 to record the discussions and decisions made during the meeting.

Marks reviewed the external document NIST AMS.300-4 (“Guide to Industrial Wireless Systems Deployments”) for relevance to the FFIoT Work Item. It was observed that the document would be a useful reference and that some of the figures could be useful to add into the FFIoT draft. Also, some of the material was suggestive of subject matter that might be added to the FFIoT draft.

**Future Meetings**

It was agreed to schedule two teleconferences, 2018-09-27 and 2018-10-11, each 09:00-11:00 ET. If necessary, a further teleconference could be added.

**Adjournment**

The Chair adjourns the meeting at 22:35.

**Annex 1: Approved Agenda**

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| **Topic** | **Subtopic** | **Subtopic Detail** | **Doc/Link** | **Type\*** | **Lead** | **min** |
|  |  |  |  |  |  |  |
| Opening | Call to Order | Nendica Meeting Overview | [802.1-18-0053](https://mentor.ieee.org/802.1/dcn/18/1-18-0053-00-ICne-nendica-meeting-overview-2018-09.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 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/) |  |  |
| Agenda | approval | any modifications to the Agenda | V |  | 1 |
| Update | Nendica Web Site | [Nendica Web Site](https://1.ieee802.org/802-nendica) | I |  | 0 |
|  | Nendica Mentor Server | [Nendica Mentor Server](https://mentor.ieee.org/802.1/documents?is_group=ICne) | I |  | 0 |
|  | Membership: none |  | I |  | 0 |
|  | Attendance | Chair will announce password | [http://imat.ieee.org](https://imat.ieee.org/802.1/attedance-access-code?p=2717700005) | I |  | 2 |
| Minutes | No-op: document not available | Motion: To approve the 801.1-18-00XX as the minutes of the Nendica meetings of the week of 2018-07-09 | [Draft Minutes](https://mentor.ieee.org/802.1/dcn/18/1-18-00xx-00-ICne.docx) | V |  | 5 |
|  |  | Motion: To approve the 801.1-18-0046 as the minutes of the Nendica teleconference meeting of 2018-08-02 | [Draft Minutes](https://mentor.ieee.org/802.1/dcn/18/1-18-0046-00-ICne.docx) | V |  | 2 |
|  |  |  |  |  |  |  |
| Work Items |  |  |  |  |  |  |
|  | [Lossless Data Center Networks (LLDCN)](https://1.ieee802.org/802-nendica/nendica-lldcn/) | Publication status and dissemination | I | Marks | 5 |
|  | [Flexible Factory IoT (FFIOT)](https://1.ieee802.org/802-nendica/nendica-ffiot/) | Call for Comments status | I,D | Zein | 10 |
|  |  | Call for Comments: comment resolution | [Comments](https://mentor.ieee.org/802.1/dcn/18/1-18-0052.xlsx) | D | Zein | 100 |
|  |  | External document: Review for relevance | [NIST AMS.300-4: Guide to Industrial Wireless Systems Deployments](https://nvlpubs.nist.gov/nistpubs/ams/NIST.AMS.300-4.pdf) | I,D |  | 10 |
|  |  | Plans |  | I,D | Zein | 10 |
| Future Directions |  |  |  |  |  |
|  |  | Potential new Work Items | D |  | 15 |
| Future Meetings |  |  | I,D |  | 10 |
|  |  | telecons [for FFIOT comment resolution; other topics too] | I,D |  |  |
|  |  | Bangkok: 2018-11-13, [19:30-22:30] | I,D |  |  |
| New Business |  |  |  |  |  |
|  |  | Any other business | I,D |  | 3 |
| Adjournment |  |  |  |  |  |
|  |  |  |  |  |  | Total: 180 |
|  |  | \*I=Information D=Discussion A=Action V=Vote |  |

## Annex 2: Attendance

13 individuals registered per IMAT

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| **Name** | **Affiliation** |
| Canchi, Radhakrishna | Kyocera International Inc. |
| Congdon, Paul | Tallac Networks; Huawei |
| DeLaOlivaDelgado, Antonio | Universidad Carlos III Madrid |
| Godfrey, Tim | Electric Power Research Institute, Inc. (EPRI) |
| Itaya, Satoko | National Institute of Information and Communications Technology (NICT) |
| Kojima, Fumihide | National Institute of Information and Communications Technology (NICT) |
| Koto, Hajime | National Institute of Information and Communications Technology (NICT) |
| Marks, Roger | Huawei |
| Maruhashi, Kenichi | NEC Corporation |
| Riegel, Maximilian | Nokia Networks |
| Wang, Hao | Fujitsu Research & Development Center |
| Weber, Karl | Beckhoff |
| Zein, Nader | NEC Europe (NLE) |