IEEE P802.11  
Wireless LANs

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| ECR ad hoc teleconference minutes June 11 2018 | | | | |
| Date: 2018-6-11 | | | | |
| Author(s): | | | | |
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Abstract

This document contains minutes of ECR ad hoc teleconference June 11, 2018.

Rev. 0: Initial version.

Rev. 1: Updated attendance list

# Teleconference on Monday, June 11, 2018, 11:00 – 12:00 (ET)

1. **Meeting called to order by Osama Aboul-Magd (Huawei Technologies), the chairperson of ECR @ 11:01 (ET).**
2. **Agenda Setting**
   1. Proposed Agenda
   2. **Call the meeting to order**
   3. **Call for secretary**
   4. **IEEE-SA IPR policy and procedure**
   5. **Announcements**
   6. **Scope of the ECR ad hoc**
   7. [**https://mentor.ieee.org/802.11/dcn/14/11-14-1385-00-0000-ethernet-base-t-speed-upgrade-cfi-in-support-of-802-11ac-enterprise-aps.pptx**](https://mentor.ieee.org/802.11/dcn/14/11-14-1385-00-0000-ethernet-base-t-speed-upgrade-cfi-in-support-of-802-11ac-enterprise-aps.pptx)
   8. [**https://mentor.ieee.org/802.11/dcn/18/11-18-0738-00-0000-cabling-needs-for-next-generation-wi-fi.pptx**](https://mentor.ieee.org/802.11/dcn/18/11-18-0738-00-0000-cabling-needs-for-next-generation-wi-fi.pptx)
   9. **AoB**
   10. **Adjourn**
   11. Approval of the agenda
       1. Chair asked if there is any item to add to the agenda. 🡪 No item to add to the agenda.
       2. Chair asked if there is any objection to approve the agenda. 🡪 No objection.
       3. The agenda was approved.
3. **IEEE 802 and 802.11 IPR Policy and Procedure**
   1. Chair mentioned that we are operating under the IEEE 802 and 802.11 Policy and Procedure.
   2. Chair presented the relevant IPR slides.
   3. Relevant documents
      1. IEEE Patent Policy - <http://standards.ieee.org/board/pat/pat-slideset.ppt>
      2. Patent FAQ - <http://standards.ieee.org/board/pat/faq.pdf>
      3. LoA Form - <http://standards.ieee.org/board/pat/loa.pdf>
      4. Affiliation FAQ - <http://standards.ieee.org/faqs/affiliationFAQ.html>
      5. Anti-Trust FAQ - <http://standards.ieee.org/resources/antitrust-guidelines.pdf>
      6. Ethics - <http://www.ieee.org/portal/cms_docs/about/CoE_poster.pdf>
      7. IEEE 802.11 Working Group Operartions Manual - <https://mentor.ieee.org/802.11/dcn/14/11-14-0629-18-0000-802-11-operations-manual.docx>
      8. Participation in IEEE 802 Meetings
4. **Attendance**
   1. Chair took attendance and asked people attendinh the call to send him e.mail to include then in the minutes.
5. **Announcement**
   1. Chair asked people to state name and affiliation when addressing for the first time during the session.
6. **Presentations**
   1. Scope of the ECR ad hoc.
      1. Chair presented the ECR ad hoc scope as states in 11-18/0624r4
   2. [**https://mentor.ieee.org/802.11/dcn/14/11-14-1385-00-0000-ethernet-base-t-speed-upgrade-cfi-in-support-of-802-11ac-enterprise-aps.pptx**](https://mentor.ieee.org/802.11/dcn/14/11-14-1385-00-0000-ethernet-base-t-speed-upgrade-cfi-in-support-of-802-11ac-enterprise-aps.pptx)
      1. 11-14/1385r0 is the presentation given by the 802.3 to 802.11 WG justifying the need for a new Ethernet standard on the range between 1 and 10 GHz.
      2. On slide 6; “The rule of thumb is that the AP Ethernet speed should be at least 75% of maximum radio speed to avoid the Ethernet link being the system bottleneck” should be taken as a design objective for determining the new requirement.
      3. On slide 9; updated info related on Ethernet port shipment is needed. 802.3 folks will provide updated information including 802.3bz share.
      4. Slide 11 is recognized as key to this effort. An updated slide need to be drafted updating the time range from 2017 to possible 2025 including 11ax, 11ad, 11ay, and EHT.
      5. High-End, Mid-Range, and Low End APs were decided based on a snapshot of produces (chip sets) from the major 802.11 chip companies.
      6. In addition to the rate information AP spacing and range coverage are needed
      7. Need to update slide 13 with information related to recent 802.11 amendments (AX, AD, and AY).
   3. [**https://mentor.ieee.org/802.11/dcn/18/11-18-0738-00-0000-cabling-needs-for-next-generation-wi-fi.pptx**](https://mentor.ieee.org/802.11/dcn/18/11-18-0738-00-0000-cabling-needs-for-next-generation-wi-fi.pptx) - Eldad Perhia
      1. Personal views on supported data rates taking into accout PHY rate and MAC overhead, and Ethernet requirements.
      2. In a dense deployment such Enterprise deployments AY will have the same reach as AX, approximately an AP every 10 meters.
      3. In home 60 GHz devices don’t have the same range as 5 GHz devices.
      4. The group needs to consider what could be dobe vs what actually is done. There may not be too many high density environments.
      5. The Figure in slide 8 of the previous presentation shows the distance (the range) between the AP and the access link.
      6. 802.3bz considered the current enterprise as well as what it will be in the future.
      7. For 10 GE the range is about 100m. For > 10 GE the range is < 30 m. Other Ethernet rates include 25, 40, 50, 100, and 200 Gbps.
7. **AOB**
   1. Next Step.
      1. 802.11and 802.3 to prepare a slide deck to reach an agreement on the requirements to support current and future 802.11 amendments. The target is to have the slides ready by July meeting.
   2. 802.11 Chair welcome the participation in the ad hoc and emphasized its importance.
   3. The ECR ad hoc is scheduled for a single time slot during the July meeting. The time slot is on Tuesday AM1 (8:00 – 10:00).
8. **Adjournment**
   1. Meeting adjourned at 11:18 (ET).
9. **List of Attendees – following people were on the call.**

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|  | **Name** | **Affiliation** |
| 1 | Osama Aboul-Magd | Huawei Technologies |
| 2 | Carlos Cordiero | Intel |
| 3 | Yasu Inoue | NTT |
| 4 | Eldad Perahia | HPE |
| 5 | Jing Ma | NICT |
| 6 | Clark Carty | Cisco Systems |
| 7 | James withey | Fluke Networks |
| 8 | Dorothy Stanley | HPE |
| 9 | Chad Jones | Cisco Systems |
| 10 | Vince Ferretti | Corning Inc. |
| 11 | George Zimmerman | CME Consulting, Inc. |
| 12 | Mark Rison | Samsung |
| 13 | Brett McClellan | Marvell |