**Notes, 802 Restructuring ad hoc meeting
20 July 2021 13:00-14:00 ET** Recorded by: Paul Nikolich

Paul Nikolich chaired, calling the meeting to order at 13:06 ET. He forgot to request that participants log their attendance in IMAT, but kept a manual record noted in the below table.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meeting Date | **15 Dec** | **19 Jan** | **16 Feb** | **16 Mar** | **20 Apr** | **18 May** | **22 Jun** | **20 Jul** | **17 Aug** | **21 Sep** | **19 Oct** | **16 Nov** | **21 Dec** |
| **Ad hoc Members** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Paul Nikolich, Chair | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| James Gilb, Vice Chair 1 | **X** | **X** | **X** | **X** |  |  |  |  |  |  |  |  |  |
| Roger Marks, Vice Chair 2 | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| Jon Rosdahl, Exec Secy | **X** | **X** | **X** |  | **X** |  | **X** | **X** |  |  |  |  |  |
| John D’Ambrosia, Rec Secy | **X** |  |  | **X** |  |  |  | **X** |  |  |  |  |  |
| George Zimmerman, Treas | **X** |  | **X** | **X** |  |  |  | **X** |  |  |  |  |  |
| Clint Chaplin, Emeritus | **X** | **X** | **X** |  | **X** |  |  | **X** |  |  |  |  |  |
| Geoff Thompson, Emeritus | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| Glenn Parsons, dot01 Ch | **X** | **X** | **X** | **X** | **X** |  |  |  |  |  |  |  |  |
| Jessy Rouyer, dot01 alt  | **X** | **X** |  | **X** | **X** |  | **X** |  |  |  |  |  |  |
| David Law, dot03 Ch  | **X** | **X** | **X** | **X** | **X** |  |  | **X** |  |  |  |  |  |
| Adam Healy, dot03 alt | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| Dorothy Stanley, dot11 Ch |  |  |  |  |  |  | **X** | **X** |  |  |  |  |  |
| Robert Stacey, dot11 alt | **X** |  |  | **X** |  |  |  |  |  |  |  |  |  |
| Pat Kinney, dot15 Ch |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rick Alfvin, dot15 alt | **X** |  |  |  |  |  |  |  |  |  |  |  |  |
| Jay Holcomb, dot18 Ch | **X** | **X** | **X** | **X** | **X** |  | **X** |  |  |  |  |  |  |
| Stuart Kerry, dot18 alt |  | **X** | **X** | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| Steve Shellhammer, dot19 Ch | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| Tuncer Baykas, dot19 alt | **X** |  | **X** | **X** | **X** |  | **X** |  |  |  |  |  |  |
| Tim Godfrey, dot24 Ch | **X** | **X** |  | **X** | **X** |  | **X** | **X** |  |  |  |  |  |
| Ben Rolfe, dot24 Ch | **X** |  | **X** | **X** | **X** |  | **X** |  |  |  |  |  |  |
| Subir Das, dot21 HiberChBruce KraemerNada Golmie | **X** | **X** |  |  |  |  |  |  |  |  |  |  |  |
| Apruva Mody, dot22 HiberCh |  |  | **X** |  |  |  |  |  |  |  |  |  |  |
| Andrew Myles, 802/JTC1 Ch |  |  | **X** |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Observers** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bob Grow, ex dot03 Ch  |  | **X** |  | **X** | **X** |  |  |  |  |  |  |  |  |
| Bruce Kraemer, ex dot11 Ch | **X** |  |  |  |  |  |  |  |  |  |  |  |  |
| R. Canchi, ex dot20 Ch | **X** |  |  |  |  |  |  |  |  |  |  |  |  |
| Peter Jones, dot03 | **X** |  |  |  |  |  |  |  |  |  |  |  |  |
| Joseph Levy, dot11 | **X** |  |  | **X** | **X** |  |  | **X** |  |  |  |  |  |
| Carl Kain, dot18 | **X** |  |  |  |  |  |  |  |  |  |  |  |  |
| Jodi Haasz, IEEE staff | **X** | **X** |  | **X** |  |  | **X** |  |  |  |  |  |  |
| J. Goldberg, IEEE staff |  | **X** |  |  |  |  |  |  |  |  |  |  |  |
| Dawn Slykhouse, FtF staff |  |  | **X** |  |  |  |  |  |  |  |  |  |  |
| Lisa Ronmark, FtF staff |  |  | **X** |  |  |  |  |  |  |  |  |  |  |
| Clint Powell, dot15 |  |  |  | **X** | **X** |  |  |  |  |  |  |  |  |
| Jim Lansford |  |  |  |  |  |  | **X** |  |  |  |  |  |  |
| Francesco Restuccia |  |  |  |  |  |  | **X** |  |  |  |  |  |  |
| Lei Wang |  |  |  |  |  |  |  | **X** |  |  |  |  |  |
| Milton dos Santos |  |  |  |  |  |  |  | **X** |  |  |  |  |  |

Nikolich presented from https://mentor.ieee.org/802-ec/dcn/21/ec-21-0168-00-00EC-20jul2021-restructuring-ad-hoc-deck.pptx (0168-01 was posted following the meeting, with revisions as made during the meeting).

Nikolich proposed the agenda:

1. Review progress of ‘Areas of Focus’ sub ad hocs
	* 1. ~~Operational Efficiency – BenR~~**~~,~~**
		2. ~~Quality Standards -- GeoffT and ApurvaM,~~
		3. ~~External Influence – TuncerB,~~
		4. **Strategic Planning – PaulN,**
		5. **Technical Coherence – RogerM, GlennP,**
		6. **Mixed Mode Meeting Evaluation ad hoc – JonR,**
		7. **802 Mission Statement – RogerM**
2. Monthly meeting reminder: (1 min)
default -- 13:00-14:00 ET 3rd Tuesday of each month in 2021
 17Aug, 21Sep, 19Oct, 16Nov, 21Dec
3. Action item review, draft agenda for next meeting (~5 min)
4. Adjourn

and then requested reports in accordance with that agenda.

a.1) Operational Efficiency.

Due to a conflicting meeting Ben Rolfe was unavailable to report. Their was a sub hoc meeting on June 28, 13:00 ET.

a.2) Quality Standards

This sub ad hoc was terminated at the 15 June 2021 meeting, the work was moved to the Operational Efficiency sub ad hoc.

a.3) External Influence

This sub ad hoc was terminated after a conversation between Tuncer Baykas, Jay Holcomb and Paul Nikolich agreed its work is complete. Final report: 802.18 will maintain close observation of ITU-R WRC 2023 items as they develop and make contributions as appropriate, e.g., item 1.2 to consider identification of the frequency bands 3 300-3 400MHz, 3 600-3 800MHz, 6 425-7 025MHz, 7 025-7 125MHz and 10.0-10.5GHz for International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on primary basis, in accordance with Resolution 245 (WRC-19)

a.4) Strategic Planning
Nikolich noted that he has been working with Jim Lansford, George Zimmerman, and Francesco Restuccia (of Northeastern University) on ideas to consider long-range planning processes in IEEE 802, in addition to the ongoing bottom-up driven approach, to identify and address new ideas in need of standardization. The proposed a coordinated 802 next-generation activity at the July Plenary, with details specified in slide 6 of ec-21-0168-01-00EC.pptx that would be organized by George Zimmerman. The meeting was not held due to insufficient time to prepare and organize it.

There was discussion regarding how to structure such a meeting (time allocation, when to convene, etc.) and the strategic (coordination of 802 future looking activities across groups) and outreach (attract academic and industrial researchers) elements perhaps should be separated. There was further discussion on the long-term viability of such activity because the gap from research to product development is large and 802 activities are mostly driven by product development and near-term market needs. A coordinated 802 next generation activity is targeted to be convened during or around the November plenary session time frame, somewhat dependent if the session will be 100% electronic or mixed mode.

a.5) Technical Coherence

Marks summarized the status of the Technical Coherence sub ad hoc. A couple meetings have been held with a focus on directing the NENDICA ICA to prepare material for establish a Study Group to draft an 802 Standard for Local and Metropolitan Area Networks: Overview and Architecture-2014 revision PAR at the November 2021 plenary session. Exactly where to position the Study Group within the 802 organization is to be determined.

a.6) Mixed Mode Meeting Evaluation

Zimmerman will be leading a discussion to refine the draft “Best Practices for Mixed Mode IEEE 802 Sessions” <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0157-00-00EC-best-practices-for-mixed-mode-ieee-802-lmsc-sessions.docx>, scheduled for Tuesday 27 July16:00-17:00 ET. Zimmerman made it clear the objective is the establish a best practice for the near-term transition period as 802 moves from all electronic towards a mixed mode partial electronic partial in-person session. The intent is to be as fair, inclusive and as practical as possible. This was recognized as a difficult task because of the high degree of uncertainty of the key variables needed to draft a well thought out set of best practices. Zimmerman took the action to ensure Rick Alfvin is included in the discussion.

a.7) Draft 802 Mission Statement

Marks summarized the status of the development of an 802 Mission Statement. The draft has been circulated among the 802 EC, there are concerns it is too specific for a mission statement, that the first sentence
“IEEE 802 develops and maintain standards specifying data link and physical layer protocols to support packet transmission and delivery among network-layer clients.”
is sufficient and the sub bullets

* + Protocols are specified for various physical channels with sufficient detail to allow multivendor interoperability across the interfaces to the communication medium.
	+ Interoperability is also specified for transmission of network-layer packets via a set of data links.
	+ Supplementary specifications detail related functionality, including control, management, channel coexistence, and power distribution.
	+ Supporting outputs include future-looking documentation, standards body interactions, and regulatory contributions.

could be incorporated into the 802 Overview and Architecture revision Study Group PAR drafting exercise.

c) Nikolich noted that the next meeting is scheduled for 13:00-14:00 ET on Tuesday 20 July 2021 but that this could be rescheduled due to the 802 Plenary.

d) Action Items

* **George: Include Rich Alfvin in the Mixed Mode Best Practices discussion to be held on** **Tuesday 27 July16:00-17:00 ET .**
* **Ben, Roger, George and Paul to lead follow up discussions on operational efficiency, technical coherence, mixed mode session best practices and cross group next gen sharing respectively.**

Annex: Action Items carried forward from 20APR2021 notes (not reviewed during this meeting):

1. Ben (operational efficiency) and Roger (technical coherence) to conduct follow up meetings.
2. Paul to issue notice of the “small scale electronic/in person 802 closing EC meeting”.
3. George and Paul to schedule a 90 minute panel discussion during or adjacent to the November plenary session on joint 802 “next gen” activities and brainstorm on establishing an “802 research forum/outreach”, scope and goals to be refined.

Meeting adjourned at 14:02 ET