

Approved IEEE 802.3cx Improved PTP Timestamping Accuracy (ITSA) Task Force Meeting Minutes

July 21, 2021, Virtual Meeting

- Minutes prepared by Silvana Rodrigues and Steve Gorshe

Agenda and General Information Presentation by Steve Gorshe, ITSA Task Force Chair

- Steve Gorshe, meeting and task force chair, begins presenting the [Agenda and General Information](#) slides
- Since this was a virtual meeting, the attendees were not asked to introduce themselves with their affiliations. Instead, the Chair asked them to identify their affiliation in their WebEx user names or in the chat window.
- **Agenda** – Chair presents the agenda for the meeting and asked if anyone had comments, additions or objections for the meeting agenda per slide 2 of the following presentation: https://www.ieee802.org/3/cx/public/july21/agenda_3cx_a_0721.pdf
- **Task Force Decorum** - Chair reviewed slide and noted that there should be no recording or photography without permission. Chair asked if anyone was attending from the press including those who would run a public blog on this meeting – none responded.
- **Goals for Meeting** – Chair presented the goals with no comment from attendees
- **Big Ticket Items** – Chair presented the Big-Ticket items aligned to goals with no comments from attendees
- **Reflector and Web** – Chair presented the Task Force reflector and web information. All in attendance were invited to subscribe for Task Force communications and updates.
- **Task Force Private Area** – Chair reminded members of the Task Force Private Area, presented the URL to that private area and presented both the Username and Password to gain access to the URL. Chair also noted that the general IEEE 802.3 Username and Password can be used to access the URL.
- **Ground Rules** – Chair review the meeting ground rules based on IEEE 802.3 Rules.
- **Attendance** – Attendees were reminded of the IEEE 802.3 attendance procedures and asked to follow the link to those procedure for further information. IMAT tool was used for this meeting, and the Chair noted that no password is required at this meeting.
- **IEEE Structure and Important Bylaws & Rules** – Chair review the IEEE SA structure including a review of how 802.3 WG and the Task Force is located within the structure. The important bylaws and rules were pointed out for all to refer as needed or of interest.
- **IEEE 's Patent Policy and IEEE WG Meeting Guidelines (Slides 12-16 or IEEE SA Slides 0-4)** – All 5 IEEE SA slides were presented with the Chair highlighting that
 1. IEEE's patent policy is described in Clause 6 of the IEEE SA Standards Board Bylaws where they can be referred to and that the IEEE SA Standards Board Patent Committee Administrator may be contacted with further questions
 2. Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged
 3. There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or

whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

4. Participants have a duty to inform the IEEE of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- The Chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of this standard.
 - No such claims were brought to the Chair's attention.
 - **IEEE Copyright Policy (slides 17-19)** – The chair also reminded attendees of the IEEE copyright policy.
 - **Participation in IEEE 802 Meetings** – Chair review the slide
 - **Overview of IEEE802.3 Standard Process (5 slides)** – Chair reviewed the standards process slides. Chair highlighted that the ITSA group had completed the Study Group Phase and moved into the Task Force Review Phase on slide 2 of 5 of the Process slides.
 - **Liaisons and Communications** – Chair noted that there are no liaisons for this meeting.
 - **Action Items** – There were none to review for this meeting.
 - **Task Force Approved Project Documents** – Task Force project documents remain unchanged and links to the documents were provided.
 - **Task Force Objectives** – Chair restated the adopted Task Force objectives.
 - **Task Force Timelines (slides 32-33)** – Chair provided a proposed updated timeline on slide 33.
 - **Agenda (Slide 34)** – Chair presents the agenda for the day
 - Chair put forward motions for the Task Force to approve the agenda:

Motion #1: Approve the agenda of the current meeting:

- Requires >50% (Procedural)
- Moved by : Marek Hajduczenia Seconded by: Mark Laubach
- PASSES with no objections received
- Meeting agenda posted here:
https://www.ieee802.org/3/cx/public/july21/agenda_3cx_a_0721.pdf
- **Previous Meeting Minutes** - Meeting minutes held on May 25, 2021 (virtual call) are here:
https://www.ieee802.org/3/cx/public/may21/Unconfirmed_Meeting_Minutes_ITSA_802d3cx_0521.pdf
Chair asked if any attendee had any comment regarding the May 25, 2021 Meeting Minutes.
None were received
- **Previous Meeting Minutes** - Meeting minutes held on June 22, 2021 (virtual call) are here:
https://www.ieee802.org/3/cx/public/june21/Unconfirmed_Meeting_Minutes_ITSA_802d3cx_0621.pdf
Chair asked if any attendee had any comment regarding the June 22, 2021 Meeting Minutes.
None were received
- Chair put forward a motion for the Task Force to approve the previous meeting minutes.

Motion #2: Approve the meeting minutes of May 25, 2021 and June 22, 2021:

- https://www.ieee802.org/3/cx/public/may21/Unconfirmed_Meeting_Minutes_ITSA_802d3cx_0521.pdf
- https://www.ieee802.org/3/cx/public/june21/Unconfirmed_Meeting_Minutes_ITSA_802d3cx_0621.pdf
- Requires >50% (Procedural)
- Moved by : Marek Hajduczenia Seconded by: Mark Bordogna
- PASSES with no objections received

Approved meeting minutes from May 25, 2021 are officially here:

- https://www.ieee802.org/3/cx/public/may21/Approved_Meeting_Minutes_ITSA_802d3cx_0521.pdf

Approved meeting minutes from June 22, 2021 are officially here:

- https://www.ieee802.org/3/cx/public/june21/Approved_Meeting_Minutes_ITSA_802d3cx_0621.pdf
- **Presentations** – In addition to this presentation ([Agenda and General Information](#)), other presentations are on the agenda to be reviewed. Chair introduced the presentations for the day and started the “Review of D1.2 comments” agenda item.

Presentation #1 – Review of D1.1 comments, Marek Hajduczenia (Editor), Charter Communications

- https://www.ieee802.org/3/cx/public/july21/802d3cx_D1_1_proposed.pdf
- A total of **11** comments were received for draft P802.3cx D1.1, all technical comments.
- The editor reviewed all the comments, except Comment #52 (it was discussed after the second presentation below). The proposed resolutions were discussed and updated based on the discussions. The approved comments resolutions are now posted here: https://www.ieee802.org/3/cx/public/july21/802d3cx_D1_1_approved.pdf

Presentation #2 - TX/RX_num_unit_change Signals, Richard Tse, Microchip Technology, David Law, HPE

- https://www.ieee802.org/3/cx/public/july21/tse_law_3cx_01a_0721.pdf
- This presentation outlines the issue with TX/ RX_num_unit_change, discusses solutions and provide proposed changes to text and figures.
- Marek Hajduczenia – The lines should cross the xMII interface.
- Richard Tse – Do we want to include this as xMII signals? My intent is to have signals that complement the xMII.
- Jingfei Lv – These signals are for intra-chip xMIIs, maybe we need to add some text to state this.
- Richard Tse – Yes, this is a good point. If we do not mention intra-chip, then implementers may think that they are defined elsewhere in the document.

- Xiang He – These signals are for intra-chip, my comment 52 was for inter-chip interconnect. For inter-chip interconnect, these signals are not available, and therefore my comment still stands.
- Richard Tse – You are right
- Marek Hajduczenia – Richard is suggesting changes to the same clauses that comment 52 is addressing, and I want to address the changes altogether.
- At this point the editor addressed comment 52. It was accepted in principle, as some changes were done to the proposed text to address the discussion above.
- The approved comments resolutions are now posted here:
https://www.ieee802.org/3/cx/public/july21/802d3cx_D1_1_approved.pdf
- The Chair put forward the following motion:

Motion #3: To authorize the editor to produce D1.2 on the basis of D1.1 and closed comments and the changes approved per tse law 3cx 01a 0721.

- Requires >50% (Procedural)
 - Moved by : Marek Hajduczenia Seconded by: Xiang He
- PASSES with no objections received

- The Chair put forward the following motion:

Motion #4: To update the P802.3cx project timeline per slide 33:

- Requires >50% (Procedural)
 - Moved by : Marek Hajduczenia Seconded by: Clark Carty
- PASSES with no objections received

Note that the P802.3cx project timeline can be found from a link on the P802.3cx home page. The url of the updated version is http://www.ieee802.org/3/cx/P802d3cx_timeline_updated_7-2021.pdf.

FUTURE MEETINGS

- The next IEEE 802.3cx meeting will be a virtual meeting in September 2021.
- The Chair will look if there is a week between now and September to schedule another meeting, and if so, the Chair will announce it at a later date.
- The plenary meeting is scheduled to be in November 2021 in Vancouver. It needs to be confirmed.

New Business

- There was no new business

Adjourn

- TF Chair proposed adjourning the meeting with the agenda having been completed.
- The Chair put forward the following motion:

Motion #5: To adjourn the meeting

- Requires >50% (Procedural)
- Moved by : Marek Hajduczenia Seconded by: Mark Bordogna

PASSES with no objections received

Attendance

IEEE 802.3cx Improving PTP Timestamping Accuracy TF IEEE 802.3cx Virtual Plenary meeting, July 21				July 21st				
By choosing to attend and sign in to this meeting, you acknowledge and agree that your personal data will be documented for IEEE standards development purposes to comply with policies and procedures, legal and accreditation requirements, and evaluation of patent claims by patent offices. See Front Page for additional information.								
Last Name	First Name	Employer	Affiliations	Tues.				
Bordogna	Mark	Intel	Intel	x				
Carty	Clark	Cisco	Cisco	x				
Chuang	Keng Hua	HPE	HPE	x				
Gorshe	Steve	Microchip	Microchip	x				
Hajduczenia	Marek	Charter	Charter	x				
He	Xiang	Huawei	Huawei	x				
Huber	Tom	Nokia	Nokia	x				
Kabra	Lokesh	Synopsis	Synopsis	x				
Kiselevsky	Itzik	Broadcom	Broadcom	x				
Laubach	Mark	Independent	Independent	x				
Lv	Jingfei	Huawei	Huawei	x				
McKeown	Shane	Calnex	Calnex	x				
Nering	Ray	Cisco	Cisco	x				
Nicholl	Shawn	Xilinx	Xilinx	x				
Ofelt	David	Juniper Networks	Juniper	x				
Powell	Bill	Independent	Independent	x				
Ren	Hao	Huawei	Huawei	x				
Rodrigues	Silvana	Huawei	Huawei	x				
Sambasivan	Sam	AT&T	AT&T	x				
Tse	Richard	Microchip	Microchip	x				
Wong	Denny	Xilinx	Xilinx	x				
Castro	Jose	Panduit	Panduit	x				
Peng	Semmy	Huawei	Huawei	x				
Graba	Jim	Broadcom	Broadcom	x				