

Jordon Woods, 60802 editor, presented *Editor's Report 60802 Draft 1.1* <http://www.ieee802.org/1/files/public/docs2020/60802-woods-D1-1-update-0120-v00.pdf>. The comments from the IEC review are now included in the editor's report and in the comment database.

Jordon Woods, 60802 editor continued the resolution of comments received on <http://ieee802.org/1/files/private/60802-drafts/d1/60802-d1-1.pdf>.

Disposition: Continued later.

10:10 AM recess

Following recess, the IEC/IEEE 60802 Joint Project met as TSN TG track A throughout Thursday CoB: minutes of track A follow.

10:30 AM call to order by the 60802 Chair

Geoffrey Garner presented *Input for Comment #406 Against 60802/D1.1* <http://www.ieee802.org/1/files/public/docs2020/60802-garner-input-related-to-comment-406-against-d1-1-0120-v01.pdf>.

Disposition: The proposed ITU-T definitions will be referenced in the next IEC/IEEE 60802 draft as resolution to comment #406.

Geoffrey Garner presented *Comparison of 802.1AS Annex B and 60802 Clock Stability* <http://www.ieee802.org/1/files/public/docs2020/60802-garner-comparison-of-802-1AS-AnnexB-and-P60802-clock-stability-0120-v02.pdf>.

Disposition: For information.

Geoffrey Garner presented *Discussion of Assumptions Needed for 60802 Network Simulations* <http://www.ieee802.org/1/files/public/docs2020/60802-garner-discussion-of-assumptions-needed-for-60802-network-simulations-0120-v01.pdf>.

- **12:30 – 1:30 PM recess**

Disposition: The assumptions arising from discussion can be used as a starting point for initial simulations to calculate max|dTE|.

Jordon Woods, 60802 editor, continued the resolution of comments received on <http://ieee802.org/1/files/private/60802-drafts/d1/60802-d1-1.pdf>.

- **3:00 – 3:30 PM recess**
- Comment resolution continued.

Disposition: Continued later.

6:00 PM recess

Thursday 23 January 2020

8:00 AM call to order by the TG Chair and the 60802 Chair

Jordon Woods, 60802 editor, continued the resolution of comments received on <http://ieee802.org/1/files/private/60802-drafts/d1/60802-d1-1.pdf>.

- Agreed, none dissenting, to move subclause *5.1.11 Hot standby for synchronization redundancy* to Annex Z because IEEE P802.1ASdm was initiated to cover this topic. Comments on this subclause were not discussed in the meeting because of this reason. The commenters are encouraged to take part in IEEE P802.1ASdm.
- **10:00 – 10:30 AM recess**
- Comment resolution continued.
- **12:30 – 1:30 PM recess**
- Comment resolution continued.
- **3:20 – 3:50 PM recess**
- Comment resolution continued.

Disposition: Continued later.

6:00 PM recess

Friday 24 January 2020

8:00 AM call to order by the TG Chair and the 60802 Chair

The TSN TG and IEC/IEEE 60802 Joint Project had a joint meeting.

The TG Chair and the 60802 Chair summarized the work performed so far in this session.

The TG Chair indicated that future meetings are listed at [https://1.ieee802.org/tsn/iec-ieee-60802/#Meetings and conference calls](https://1.ieee802.org/tsn/iec-ieee-60802/#Meetings_and_conference_calls) and pointed out that a DetNet/TSN workshop is planned after the November 11-13, 2020 plenary meetings in Bangkok, Thailand. The 60802 Chair indicated that 60802 teleconferences will be held following email announcements on February 3 and 17, 2020, March 2 and 30, 2020, April 27, 2020, and May 11, 2020. There will be no 60802 teleconferences the week of the March 2020 IEEE 802.1 plenary session.

Marius Stanica presented *IEEE 802.1 Interim Preparations for a proposal Location: Helsinki, Finland* <http://www.ieee802.org/1/files/public/docs2020/admin-stanica-Helsinki-interim-proposal-0120-v02.pdf>.

Disposition: The TG expressed a preference for the Sokos Hotel.

It was indicated that the move of subclause 5.1.11 to Annex Z is the only change in the gaps list of 60802 draft 1.1 <http://ieee802.org/1/files/private/60802-drafts/d1/60802-d1-1.pdf>.

Stefan Kehrer presented *IEEE P802.1CBcv Editor's Report for Ballot Comment Resolution (v2)* <http://www.ieee802.org/1/files/public/docs2020/cv-kehrer-editors-report-d0-2-0120-v02.pdf>.

Disposition: None.

Geoffrey Garner presented *Information on IEC/IEEE 60802 status and references to IEC/IEEE 60802 and 802.1AS by 3GPP Service Requirements for Cyber Physical Control Applications* <http://www.ieee802.org/1/files/public/docs2020/60802-garner-60802-status-and-3GPP-references-0120-v03.pdf> updating the presentation given on Wednesday with comments also received on Wednesday.

Disposition: None.

Johannes Specht presented *On Standardization of Cut Through Forwarding (CTF)* <http://www.ieee802.org/1/files/public/docs2020/new-specht-cut-through-tech-0120-v01.pdf>.

Disposition: Presentation discussed. Further discussion needed.

10:30 – 11:00 AM recess

Günter Steindl presented *TSN inter domain communication concept* <http://www.ieee802.org/1/files/public/docs2020/new-Steindl-TSN-inter-domain-communication-0120-v4.pdf>.

Disposition: Presentation discussed. Further discussion needed.

A clarification was needed on what is allowed in a profile concerning selecting functions by not selecting a normative function within a base standard. The 802.1 Chair indicated that one reason for the success of IEEE 802 is widespread interoperability based on a minimum set of mandatory functions in 802 standards that have not changed in a long time. However, this does not prohibit discussing whether certain functions should continue to be mandatory. If the consensus of the working group supports a change, then it can be progressed. While updating the base standard is preferred, implementation details would need to be decided on a case-by-case basis.

Disposition: After discussion, this was agreed as a principle. The TG chair noted that the IEC/IEEE 60802 PAR may need to be changed. This PAR will be checked and if needed IEEE 802.1 and IEC/IEEE 60802 management will take action.

1:00 PM recess

Following recess, the IEC/IEEE 60802 Joint Project met as TSN TG track A throughout session adjournment: minutes of track A follow.

2:00 PM call to order by the 60802 Chair

Jordon Woods, 60802 editor, continued the resolution of comments received on 60802 draft 1.1 <http://ieee802.org/1/files/private/60802-drafts/d1/60802-d1-1.pdf>.

- **3:30 – 4:00 PM recess**
- Comment resolution continued.

Disposition: Ballot comment dispositions are recorded in <http://www.ieee802.org/1/files/private/60802-drafts/d1>. Comment resolution will be continued in the next 60802 teleconference.

Günter Steindl presented *IEC/IEEE 60802 to IECEE Reference Model* <http://www.ieee802.org/1/files/public/docs2020/60802-Steindl-60802-to-IECEE-reference-model-0120-v2.pdf>.

Disposition: Presentation discussed. Further discussion needed.

Any Other Business

No further business was discussed in this session.

5:10 PM adjournment

**Annex A
Final Agenda**

Meeting Agenda of IEC 65C/WG9.PT 60802 and the IEC/IEEE 60802 Joint Project of IEEE 802.1 held in Geneva (Switzerland) at 2020-01-22 ... -24

Meeting Agenda of IEC 65C/WG9.PT 60802 and the IEC/IEEE 60802 Joint Project of IEEE 802.1 held in Geneva (CH), at 2020-01-22... -24

Rev	rev02	Ludwig Winkel (Convenor IEC SC65C/WG9 and chair IEC/IEEE 60802 Joint Project); János Farkas (TG chair of IEEE 802.1 TSN)
Key:		means: Common session of "IEC/IEEE 60802 Joint Project" & "TG TSN"

Wed	####	[h:min]	[min]	Topics	Responsible
Room	8:00 - 8:15		15	Welcome and organizational issues (IEEE intro, IEC intro), membership, attendees registration (IEEE imat), roster; administrivia	Ludwig, János
	8:15 - 8:25		10	Agenda	Ludwig, János
	8:25 - 8:30		5	Update on Conformity Assessment (CA) activity	Mark, Ludwig
	8:30 - 9:15		45	60802 status and 3GPP references	Geoff
	9:15 - 9:15				

	9:15 - 9:15			
	9:15 - 9:25	10	Editor's report on Draft 1.1 TG ballot and IEC CD	Jordon
	9:25 - 10:10	45	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	10:10 - 10:40	30	Break	
	10:40 - 11:25	45	Input related to comment 406 against D1.1	Geoff
	11:25 - 12:10	45	Comparison of 802.1AS Annex B and 60802 clock stability	Geoff
	12:10 - 12:30	20	Discussion of assumptions needed for 60802 network simulations	Geoff
	12:30 - 12:30			
	12:30 - 13:30	60	Lunch	
	13:30 - 14:00	30	Discussion of assumptions needed for 60802 network simulations	Geoff
	14:00 - 14:00			
	14:00 - 15:00	60	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	15:00 - 15:30	30	Break	
	15:30 - 15:30			
	15:30 - 15:30			
	15:30 - 18:00	150	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	18:00 - 18:00			
	18:00 - 18:00	0	Review of minutes of the day	Josef
	18:00		Recess of 60802 JP meeting	

Thu	####	[h:min]	[min]	Topics	Responsible
Room Gallery	8:00 - 8:10		10	IEEE Intro, Review Agenda; expected results of the day	Ludwig
	8:10 - 8:10				
	8:10 - 10:00		110	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	10:00 - 10:30		30	Break	
	10:30 - 10:30				
	10:30 - 12:30		120	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	12:30 - 12:30				
	12:30 - 12:30				
	12:30 - 12:30				
	12:30 - 13:30		60	Lunch	
	13:30 - 15:00		90	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	15:00 - 15:00				
	15:00 - 15:00				
	15:00 - 15:00				
	15:00 - 15:30		30	Break	
	15:30 - 15:30				
	15:30 - 17:45		135	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	17:45 - 17:45				
	17:45 - 18:00		15	Review of minutes of the day	Josef
18:00			Recess of 60802 JP meeting		

Fri	####	[h:min]	[min]	Topics	Responsible
Room Gallery	8:00 - 8:05		5	Review Agenda; expected results of the day	Ludwig, János
	8:05 - 8:15		10	Recap past days	Ludwig, János
	8:15 - 8:30		15	Next meetings, incl. DetNet-TSN workshop in Bangkok in November	Ludwig, János
	8:30 - 8:35		5	Identify and discuss IEEE 802 gaps for TSN-IA profile	Jordon
	8:35 - 8:45		10	Status update on P802.1CBv/D0.2 TG ballot comment resolution, Editor's report	Stephan
	8:45 - 8:50		5	60802 status and 3GPP references	Geoff
	8:50 - 10:30		100	Standardization of cut-through	Johannes
	10:30 - 11:00		30	Break	
	11:00 - 11:45		45	TSN inter domain communication	Günter
	11:45 - 12:50		65	IEC/IEEE 60802/D1.1 comment resolution	Glenn
	12:50 - 13:00		10	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	13:00 - 13:00				
	13:00 - 14:00		60	Lunch	
	14:00 - 15:30		90	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	15:30 - 15:30				
	15:30 - 16:00		30	Break	
	16:00 - 16:00				
	16:00 - 16:25		25	IEC/IEEE 60802/D1.1 comment resolution	Jordon
	16:25 - 16:55		30	Mission and Scope of 60802 and Conformance test	Günter
	16:55 - 17:10		15	Review of the minutes	Josef
17:10			Adjournment of IEC/IEEE 60802 JP meeting		

1st Names in the Agenda	Name	Affiliation	Position in the joint project
Ludwig	Winkel	Siemens AG	Convenor IEC SC65C/MT9 and chair IEC/IEEE 60802 Joint Project
János	Farkas	Ericsson	Chair IEEE 802.1 TSN TG
Jordon	Wood	Analog Devices	Editor
Josef	Dorr	Siemens AG	Secretary
Mark	Hantel	Rockwell Automation	Web master, IEC/AVNU ALLIANCE Liaison officer
Astrit	Ademaj	TTTech	IEEE 802.1 participant
Günter	Steindl	Siemens AG	IEC expert, IEC/PI Liaison officer
Rodney	Cummings	NI	IEEE 802.1 participant
Karl	Weber	Beckhoff	IEC expert