

Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Status of 802 Nendica/802.3 NEA joint meeting discussions

Johannes Specht

(Self; Analog Devices, Inc.; Mitsubishi Electric Corporation; Phoenix Contact GmbH & Co. KG; PROFIBUS Nutzerorganisation e.V.; Siemens AG; Texas Instruments, Inc.)

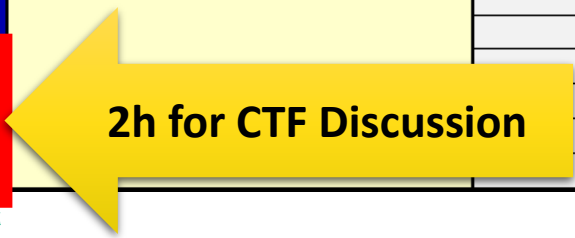
Past 802 Nendica/802.3 NEA Joint Meetings

Date	Agenda	Selected Contributions
June 22, 2022 and June 29, 2022	https://1.ieee802.org/ctf-agenda-2022-06-22/ https://1.ieee802.org/ctf-agenda-2022-06-29/	<ul style="list-style-type: none"> • Roger Marks, CSD Compatibility Criterion for Cut-Through Forwarding • Johannes Specht and Dieter Proell, Johannes Specht Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Need for Unified and Standardized Management
June 8, 2022	https://1.ieee802.org/ctf-agenda-2022-06-08/	<ul style="list-style-type: none"> • Johannes Specht, Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Background and Clarifications
June 1, 2022	https://1.ieee802.org/ctf-agenda-2022-06-01/	<ul style="list-style-type: none"> • Roger Marks, CTF status update from Nendica perspective • John D’Ambrosia, Shimon Muller and Peter Jones, Summary of IEEE 802.3 Expressed concerns • Johannes Specht, Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Considerations on Modelling, Compatibility and Locations
May 4, 2022	https://1.ieee802.org/ctf-agenda-2022-05-04/	<ul style="list-style-type: none"> • Johannes Specht, Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Continuing Technical Discussions • Johannes Specht, Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Considerations on Modelling, Compatibility and Locations
April 27, 2022	https://1.ieee802.org/ctf-agenda-2022-04-27/	<ul style="list-style-type: none"> • Peter Jones, 802.3 NEA CTF: CTF concerns
April 20, 2022	https://1.ieee802.org/ctf-agenda-2022-04-20/	<ul style="list-style-type: none"> • Johannes Specht, Cut-Through Forwarding (CTF) in Bridges and Bridged Network – Status Update

Invitation to 802.1: Discussion Opportunity

ET Start	ET End	Monday Jul 11	Tuesday Jul 12	Wednesday Jul 13	Thursday Jul 14	Friday Jul 15	PT Start	CEST start	JST start				
07:00	07:30	Hybrid Orientation					04:00	13:00	20:00				
07:30	08:00						04:30	13:30	20:30				
08:00	08:30	TSN	Maintenance	TSN P802.1DP	Security	TSN P802.1DG	Nendica	TSN 60802	05:00	14:00	21:00		
08:30	09:00								05:30	14:30	21:30		
09:00	09:30								06:00	15:00	22:00		
09:30	10:00						06:30	15:30	22:30				
10:00	10:30						07:00	16:00	23:00				
10:30	11:00	Opening Plenary	TSN P802.1DG	Security	TSN	TSN 60802	Security	TSN	TSN 60802	07:30	16:30	23:30	
11:00	11:30									08:00	17:00	00:00	
11:30	12:00									08:30	17:30	00:30	
12:00	12:30						09:00	18:00	01:00				
12:30	13:00						09:30	18:30	01:30				
13:00	13:30						10:00	19:00	02:00				
13:30	14:00	TSN	Security	TSN	YANGsters	TSN	TSN 60802	Security	Closing Plenary	TSN 60802	10:30	19:30	02:30
14:00	14:30										11:00	20:00	03:00
14:30	15:00										11:30	20:30	03:30
15:00	15:30						12:00	21:00	04:00				
15:30	16:00						12:30	21:30	04:30				
16:00	16:30	TSN	Security	TSN 60802	Security	TSN	TSN 60802	Security	Closing Plenary	TSN 60802	13:00	22:00	05:00
16:30	17:00										13:30	22:30	05:30
17:00	17:30										14:00	23:00	06:00
17:30	18:00						14:30	23:30	06:30				
18:00	18:30	802 Technical Plenary	802.1/802.15 Joint						15:00	00:00	07:00		
18:30	19:00								15:30	00:30	07:30		
19:00	19:30						16:00	01:00	08:00				
19:30	20:00						16:30	01:30	08:30				
20:00	20:30	802.1 Reception	Nendica						17:00	02:00	09:00		
20:30	21:00								17:30	02:30	09:30		
21:00	21:30								18:00	03:00	10:00		

Source: <https://1.ieee802.org/wp-content/uploads/2022/07/2022-07-schedule-v12.png>



For Discussion Tomorrow, July 11, 19:30-21:30

- Recap: Suggested Goals for the Joint Nendica/NEA Meetings
 - Identify Stds requirements, inconsistencies and possible constraints w.r.t. CTF
 - Understand concerns and positions of WG 802.1 and 802.3 individuals
 - Building consensus across 802.1 and 802.3 on CTF
- Proposed Discussion Topics Tomorrow
 - Outcome of joint discussions
 - Logistics
 - A third 802.1 WG motion on P802.1DU PAR/CSD
 - Active participation - need for standardizing CTF in 802
 - 802.1 WG expectation on potential future Nendica/NEA joint activity
 - Technical
 - Service Interface, atomic and instantaneous
 - IEEE 802.1 WG statement on compatibility (CSD)
 - Minimum required technical features for a CTF Standard
 - A.O.B. on CTF – you're welcome to contribution!

Thank You for Your Attention!

Questions,
Comments,
Opinions,
Ideas?