

Proposed P802.1DU PAR Cut-Through Forwarding Bridges and Bridged Networks

Consensus of the IEEE 802.1 TSN Task Group

NOTE: This is v03. v04 will be uploaded and presented to 802.3. The only difference between v03 and v04 will be a third slide containing a list of supporters. Send your name to STDS-802-1-L@LISTSERV.IEEE.ORG if you want your name on this list.

P802.1DU: One-slide summary

The intention of the IEEE 802.1 TSN Task Group is:

- P802.1DU is a stand-alone document, separate from 802.1Q, defining **Cut Through Forwarding (CTF) Bridges** and **CTF in Bridged Networks**.
- P802.1DU specifies the CTF Bridge entirely above the traditional MAC demarcation between 802.1 and other 802.xx working groups.
- 802.1 TSN will maintain this demarcation.
- Ports of CTF Bridges can be, among others, any mix of Store and Forward MACs (e.g., 802.3) and/or cut-through MACs (CTF MACs).
- P802.1DU provides connectivity in networks of mixed CTF and 802.1Q Bridges with CTF and Store and Forward MACs.
- A CTF Bridge is compatible with any CTF MAC via an interface for CTF MACs, and supports (does not limit the choice of) different error frame marking mechanisms.