

IEEE 802.1CB D1.0

What has changed

Norman Flnn

March 5, 2015



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Most changes are explained nicely in the editor's notes section of P802.1CB D1.0:

- a) Headers and front matter were altered to conform to current IEEE-SA policies.
- b) Introductory material was added to Clause 1. (p18)
- c) “Up-facing” and “down-facing” have been changed to “in-facing” and “out-facing”, respectively. (Fig 7-1 p38)
- d) Clause 5 has text replacing promises by the editor to write text. (p25)

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e) In Clause 6:

Multicast paths and in-order delivery have been better explained.

The sequence-0-means-reset feature has been removed.

The tag is now just an EtherType and a 16-bit sequence number.

Latent error detection state machine has been added.

f) In Clause 7:

0 rollover has been explained for counters.

Latent error detection controls added.

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- THE ALTITUDE OF THE BOXES IN THE LAYER DIAGRAMS HAS BEEN REARRANGED (Fig 7-1 p38, Clause C)

The CB functions really are above the MAC layer, and have to be portrayed as such. The diagrams now make sense – the peers have clear sight of each other, as is appropriate.

- g) All TSN-specific service instance parameters have been folded into the connection_identifier parameter of the ISS. (C.4.1 p58)
- h) A first pass at a PICS has been placed in Annex A.

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i) Annex C:

Per-stream filtering and policing has been added. (C.8 p63)

An explanation of the difference between a TSN Stream and a TSN Circuit was added. (C.3 p57)

The managed objects for the Null and the VLAN+MAC encapsulations have been split apart, to make the difference clear. (C.5, C.6)

j) Information about three alternative encapsulation methods has been added to Annex D: HSR/PRP, MACsec, and IP pseudowire.

k) The example network that was in Clause 6 has been moved to Annex F, and four more examples given.

Thank you.

