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Gesendet: Mittwoch, 2. Dezember 2020 16:48
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Betreff: IEEE 802.1Q, CFM CCM Protocol, Faster Intervals?

Dear Glenn Parsons,

I write to you as you are the working group chair for the IEEE 802.1Q standard.

I am part of the working group editing the IEC 62439-2 High Availability Automation Networks standard.

We make use of the CFM CCM Protocol at Level 0 to check links between two network devices to detect missing links.

Currently we use the CCM intervals of 10 ms and 3.33 ms for the MRP media redundancy protocol link checks.

To realize faster reconfiguration times we would appreciate if there would exist even faster CCM intervals below 3.33 ms, which the 802.1Q standard currently not supports.

Do you see any chance that the IEEE 802.1 Q standard could be extended to support faster CCM intervals?

If there is a possibility for an extension I would like to draw your attention to the enclosed short presentation of one possible proposal in that direction.

I am looking forward to your feedback,

Best Regards/Mit freundlichen Grüßen
Thomas Weichlein

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