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**Title:** LS on revision of G.8012 and G.8021

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**LIAISON STATEMENT**

**For action to:** IEEE 802.1

**For comment to:** -

**For information to:** IEEE 802.3, MEF

**Approval:** ITU-T SG15 meeting (E-meeting, 18 September 2020)

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**Keywords:** IEEE 802.1; G.8021; G.8021.1; G.8012; G.8012.1

**Abstract:** This liaison provides an update on recommendations on Ethernet.

Dear colleagues,

As a follow up to the IEEE 802.1 liaison (TD234/3) that supported the approach that Recommendation ITU-T G.8023 has taken in referencing IEEE Std 802.3 functionality without attempting to re-describe it in functional modelling, Q10/15 has progressed updates of Recommendations ITU-T G.8021 and G.8012 with a similar approach (referencing IEEE 802 and MEF standards) towards consent in mid-2021.

We recall IEEE 802.1 suggestions in regard to a revision of Recommendation ITU-T G.8021, notably:

- “Regarding clause 6 of G.8021, we would prefer that the defects etc., existing in both 802.1Q and G.8013 are defined by reference in G.8021 rather than re-specified.”
- “Regarding clause 8 of G.8021. we recommend that you replace specification language with references to 802.1Q clauses as G.8023 did for 802.3.”
- “Regarding clause 9, we recommend incorporating G.8021.1 into G.8021 and referencing corresponding 802.1Q functionality to the maximum extent possible.”

## **1. G.8021**

The draft revised Recommendation ITU-T G.8021 in attachment contains updated clauses 6, 8, and 9 that reference corresponding IEEE Std 802.1Q functionality. We believe that the appropriate references are in place to IEEE Std 802.1Q functionality.

For example, in clause 9:

### 9.3.3.1

*VID Mux process*

*VLAN tag process*

### 9.3.3.2

*Frame type filter process*

*VLAN tag process*

*VID Demux process*

*P selector process*

*DE selector process*

We would appreciate your review and confirmation of references to the appropriate IEEE Std 802.1Q subclauses.

## **2. G.8021.1**

Recommendation ITU-T G.8021.1 will be superseded. Clauses 6 and 7 describe Ethernet Services and UNI/NNI. This content is being merged in Recommendation ITU-T G.8012 referencing Recommendation ITU-T G.8011. Clause 8 uses the atomic functions defined in Recommendation ITU-T G.8021 to describe the combinations that align with the set of IEEE Std 802.1Q bridge types. The PB and PEB examples are being merged into Recommendation ITU-T G.8021 (in a new Annex planned to be referenced at the beginning of clause 9).

We would appreciate your review of the merge in attached Recommendations ITU-T G.8012 and G.8021.

## **3. G.8012**

The draft revised Recommendation ITU-T G.8012 focuses on the UNI and NNI aspects for Ethernet MAC (ETH) and PHY (ETY) into other transport technologies.

## **4. G.8012.1**

Recommendation ITU-T G.8012.1 will be superseded. All relevant content is merged into draft revised Recommendation ITU-T G.8012.

We would appreciate your review of the merge in attached Recommendation ITU-T G.8012.

Please note that these documents are work in progress and should not be shared outside of your organization.

ITU-T SG15 would like to express its appreciation for the continued useful exchange of information on Ethernet standards and looks forward to further interaction between our organizations.

ITU-T Q10/15 will next meet electronically 8 December 2020, 30 March 2021 and 25 May 2021.

*Attachments: TD687/3 and TD682/3.*