INTERNATIONAL TELECOMMUNICATION UNION

TELECOMMUNICATION STANDARDIZATION SECTOR

STUDY PERIOD 2017-2020

SG15-LS343

STUDY GROUP 15

Original: English

Question(s): 6, 11/15 E-meeting, 6-17 December 2021

LS
(Ref.: SG15-TD775/PLEN-Annex B)

Source: ITU-T Study Group 15

Title: LS/r on Status of IEEE 802.3cw project (reply to IEEE 802-LS105)

LIAISON STATEMENT

For action to:	-
For comment to:	
For information to:	IEEE 802.3
Approval:	ITU-T SG15 Plenary Meeting (E-meeting, 17 December 2021)
Deadline:	N/A

Contact:	Peter Stassar Huawei Technologies Co., Ltd. P. R. China	Tel: [redacted] Email: [redacted]
Contact:	Steve Gorshe Microchip Technology Inc. U.S.A.	Tel: [redacted] E-mail: [redacted]

ITU-T Study Group 15 would like to also thank IEEE 802.3 for your liaison with the status information regarding P802.3cw.

Thank you for sending draft D1.3 of IEEE P802.3cw and continuing to express the intent to leverage EVM as a Tx quality metric, with the understanding that the approach and the appropriate value must be optimized for the DP-16QAM modulation format.

As you know, ITU-T Study Group 15 has standardized "FlexO" frame formats and FEC for operation at 400 Gb/s in Recommendation G.709.3, which includes the FlexO-4-DSH signal format using a similar frame format and the same FEC code as draft P802.3cw. ITU-T Q11/15 remains responsible for any further updates to this Recommendation.

Unfortunately we need to report that at this SG15 Plenary Meeting a decision was made to remove the work item "G.698.2 addition of 200G and 400G" from our work programme due to a very limited outlook that sufficient measurement data would be contributed within the foreseeable future from multiple implementers towards establishing a suitable quality metric (e.g., EVM) for a 400 Gbit/s DP-16QAM transmitter. Per ITU-T procedures, we choose not to advertise in our work programme items where we don't have sufficient confidence around a likely completion date. Should this outlook change, the work item can be brought back.

We are aware that the P802.3cw project is looking for contributions of the same types of measurement data for a similar purpose. We would appreciate it if P802.3cw could share information about any progress made in this area and any measurement data you are able to obtain, which could help Q6/15 to develop relevant specifications in this area.

We look forward to continuing the collaboration between our two groups.

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