Title: Liaison response to "New Working Group on Benchmarking & Performance Measurements"
From: IEEE 802.1 Working Group[1]
For: Information
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Dear Colleagues,

The IEEE 802.1 Working Group would like to thank the IETF Benchmarking & Performance Measurements (BPM) Working Group (WG) for the information provided in your liaison statement about forming your WG.

The IEEE 802.1 Working Group would like to inform you about the recent start of the IEEE P802.1EH™ project, which may be of interest to you.

The IEEE P802.1EH™ Project Authorization Request (PAR) has been developed with contributions to support Ultra Ethernet Consortium's (UEC's) Congestion Signaling (CSIG). IEEE P802.1EH™ specifies signaling of telemetry in dedicated tags added to data frames. The telemetry works for Medium Access Control (MAC), Customer Virtual Local Area Network (C-VLAN) and Service Virtual Local Area Network (S-VLAN) bridges, and for end stations. Furthermore, MAC Security (IEEE Std 802.1AE) is also supported together with telemetry. In addition, a service interface will also be specified to enable higher layer protocols to initiate and retrieve telemetry from the data link layer. The project will provide foundational Layer 2 facilities to support UEC use cases, which include delivery of telemetry over Layer 3, support of congestion control at Layer 4, and capture of fine-grained network diagnostic information, and other potential use cases, e.g., telecommunications networks.

We invite interested individual members of the IETF BPM WG to participate, join and contribute to the development of this project via the IEEE 802.1 TSN TG meetings.

We also draw your attention to the Operations, Administration, and Maintenance (OAM) standards developed together by the IEEE 802.1 WG and ITU-T Study Group 15 (SG15). The IEEE 802.1ag "Connectivity Fault Management (CFM)" standard has been incorporated into the IEEE 802.1Q base standard as Clauses 18-22. The ITU-T standard is Recommendation ITU-T G.8013/Y.1731 "OAM functions and mechanisms for Ethernet-based networks".

[1] This document solely represents the views of the IEEE 802.1 Working Group, and does not necessarily represent a position of IEEE, or the IEEE Standards Association, or IEEE 802.

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Note that the IEEE 802 work is open and contribution driven. Participation is on an individual basis, and technical discussion can be conducted based on individual contributions. The IEEE 802.1 TSN Task Group meets at IEEE 802 Plenary and IEEE 802.1 Interim sessions and holds electronic meetings in-between sessions as listed in the WG calendar: https://1.ieee802.org/wg-calendar.

Respectfully submitted,
Glenn Parsons
Chair, IEEE 802.1 Working Group

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