Proposed Draft Liaison Statement from IEEE 802.1 to UEC

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Title: Liaison to Ultra Ethernet Consortium
From: IEEE802.1
For: Action
Contact:

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Date:

The IEEE 802.1 Working Group would like to inform UEC and its members of its ongoing activities related to high-performance datacenter networking: AI Computing Network (AICN) study item and IEEE P802.1Qdw Source Flow Control project.

The AICN study item analyzes key requirements and challenges for AI training and inference networks. It also identifies potential areas for future IEEE 802 standardization efforts. This work is performed within IEEE 802 "Network Enhancements for the Next Decade" Industry Connections Activity (Nendica). AICN's website is https://1.ieee802.org/nendica-aicn/. Nendica addresses emerging requirements for all IEEE 802 networks and facilitate industry consensus towards proposals to initiate new standards development.

Project IEEE P802.1Qdw is specifying enhancements to flow control mechanisms, addressing known limitations of Priority-based Flow Control. It is conducted under IEEE 802.1 Time-Sensitive Networking(TSN) task group. The project website is https://1.ieee802.org/tsn/802-1qdw/

Both Nendica and TSN task group hold teleconference meetings, which are without registration fees, and meet during bi-monthly sessions, which require registration fee. Participation and contributions from interested individuals are welcome and encouraged. Nendica's website is https://1.ieee802.org/802-nendica/, and TSN's website is http://1.ieee802.org/tsn/

IEEE WG 802.1 appreciates the public availability of Ultra Ethernet™ Specification v1.0, and notes with interest the announced forward looking statements for future enhancements. We would like to request information and material regarding ongoing and future work (e.g., improved telemetry and congestion control, UE bindings for storage protocols, and in-network compute). Please feel free to contact us with any questions.