

Liaison Communication

Source: Automotive SerDes Alliance (ASA)

To: David Law Chair, IEEE 802.3 Ethernet Working Group
[REDACTED]

CC: Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group
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Jon Lewis Secretary, IEEE 802.3 Ethernet Working Group
Chair, IEEE 802.3 Ethernet for Automotive Imaging
Sensors Study Group
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From: Christoph Arndt Chair, Automotive SerDes Alliance
[REDACTED]

Subject: Liaison of ASA Motion Link specification 2.0

Dear Mr. Law,

Automotive SerDes Alliance (ASA) is a non-profit industry alliance of automotive technology providers participating in the alliance for the establishment of specifications and standards for automotive connectivity technology. ASA was founded in 2019 and currently has over 150 member entities.

In October 2023, the Automotive SerDes Alliance (ASA) liaised its Motion Link Specification v1.1 with the IEEE 802.3 Ethernet Working Group. In May 2024, ASA released its updated "ASA Motion Link" transceiver specification v2.0, which includes an Ethernet Physical Layer for operation over coaxial and STP media, optimized for automotive applications including end-node cameras and sensors. This enhancement is titled ASA-MLE. It supports Ethernet data rates up to 10 Gbps in one direction and a lower data rate in the other direction. It also includes a method to connect existing Ethernet MACs to the Asymmetrical Physical Layer using existing Media Independent Interfaces.

We believe the specification update could be of interest to the Task Force 802.3dm and we are therefore liaising the ASA Motion Link v2.0 specification with the IEEE 802.3 Ethernet working Group for coordination. We intend to liaise also future updates to the IEEE 802.3 as soon as practical. We request that IEEE 802.3 limit access to these specifications and drafts to IEEE 802.3 participants only.

Sincerely,

[REDACTED]
Christoph Arndt
Chair, Automotive SerDes Alliance