

## 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  
[REDACTED]

Jon Lewis Secretary, IEEE 802.3 Ethernet Working Group  
Chair, IEEE 802.3 Ethernet for Automotive Imaging  
Sensors Study Group  
[REDACTED]

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From: Christoph Arndt Chair, Automotive SerDes Alliance  
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Subject: Liaison of ASA Motion Link specifications

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 130 member entities.

ASA released "ASA Motion Link" transceiver specification v1.01 in December 2020, which defines an Automotive SerDes communication technology framework for in-vehicle connectivity ranging from 2 Gb/s to 16 Gb/s line rate. The most current specification is v1.1.

ASA started a project in July 2022 for Ethernet Physical Layer specifications for operation over coaxial and STP media, optimized for automotive applications including end-node cameras and sensors. This project is titled ASA-MLE and the Specification number is designated to be ASA-ML Rev 2.0. The project supports Ethernet data rates up to 10 Gbps in one direction and a lower data rate in the other direction. This project's scope also includes a method to connect existing Ethernet MACs to Asymmetrical Physical Layer using existing Media Independent Interfaces. ASA has previously specified management registers in v1.1 and intends to carry that work forward in this project. The baseline for this project was adopted in Nov 2022. The expected timeline for availability of 1<sup>st</sup> draft of ASA-MLE is Dec 2023.

We note that IEEE 802.3 Ethernet Working Group recently started IEEE 802.3 Ethernet for Automotive Imaging Sensors Study Group and believe that the Study Group may be interested in the ASA Motion Link specifications and drafts. We are, therefore, liaising the ASA Motion Link v1.1 specification with the IEEE 802.3 Ethernet Working Group for coordination. We will liaise the drafts of ASA-MLE specification to 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