



OPEN Alliance SIG Announces new Chair and releases new Specifications about ECU Testing and Switch Requirements

Documents that define “Requirements for Ethernet Switch Semiconductors” and describe all necessary requirements for implementation of an “ECU and network test” are now available through Opensig.com

Eindhoven – 05 March, 2017 - The OPEN Alliance (**O**ne-**P**air **E**ther**N**et) Special Interest Group (SIG), a non-profit industry alliance established to drive wide scale adoption of Ethernet-based automotive In-Vehicle Networks, today announced that two additional specifications were publicly released as a result of the work conducted by two technical committees (TC) - TC8 and TC11. Both specifications – as well as all other publicly available OPEN specifications - can now be requested under <http://www.opensig.org/about/specifications/> .

New chair

On February 10, 2017 - the OPEN Alliance Steering Committee approved a new Chair of the Alliance, Jinhwa Yun of Hyundai Motor Company.

Jinhwa Yun has been working on in-vehicle networking since she joined Hyundai Motor Company in 2010. Hyundai Motor Company is one of the founding companies of the OPEN Alliance.

TC8 - Test Process for ECU and network test

This document describes all necessary requirements for implementation of a test process which specifies and performs OPEN Alliance test cases for ECUs as specified under “OPEN Alliance Automotive Ethernet ECU Test Specification”. *“The ECU Test Specification pursues the objective to confirm that the ECU will fulfill all requirements of an Automotive Ethernet device. Based on the test specification a test house implements and verifies these tests in order to offer a test service for any TIER1.”* highlights Georg Janker, Ruetz System Solutions GmbH.

TC11 - Requirements for Ethernet Switch Semiconductors

This document presents requirements for Automotive Ethernet Switch Semiconductors to define a minimum requirement set for such devices. Lars Völker of BMW was leading TC11 and said: *“The work of TC11 focused on which features of existing standards from e.g. IEEE 802.1 are required and in what quantity. This should give guidance to semiconductor vendors on designing suitable devices.”*

To learn more about all OPEN Alliance Technical Committees visit: www.opensig.org/tech-committees/

Successful and well-received OPEN SIG All Members Meeting co-located with IEEE Ethernet & IP @ Automotive Technology Day in Paris

Over 100 members attended the 5th annual OPEN Alliance All Member Face-2-Face meeting held in Paris. Besides an update on all OPEN Activities, attendees also appreciated the reports from all TC chairs on progress of the standardization activities. TC12 for example provided an outlook on the creation of

conformance test specs for 1000BASE-T1 PHYs, while TC6 informed about the new focus on creating an OPEN Alliance SGMII EPL specification after completing the OPEN Alliance RGMII EPL specification. The event also provided an opportunity for the 2016 OPEN sponsors Intrepid Control Systems, KDPOF and Technica Engineering to highlight their activities and expertise in the innovative field of Automotive Ethernet In-Vehicle networks. Natalie A. Wienckowski, General Motors' Architect - Electronics Hardware Global Lead and OPEN Alliance SIG former Chair (2014~2016) pointed out that *"Membership in the OPEN Alliance SIG continues to grow with representation from more than 340 of the world's leading automakers, tier 1 suppliers and technology companies today. This clearly reflects the increasing importance of Ethernet to the Automotive industry"*.

About OPEN Alliance

The OPEN Alliance (One-Pair Ether-Net) Special Interest Group (SIG) is a non-profit, open industry alliance of mainly automotive industry and technology providers collaborating to encourage wide scale adoption of Ethernet-based networks as the standard in automotive networking applications. The partnering companies of the OPEN Alliance SIG believe the flexibility and scalability of Ethernet will dramatically improve in-vehicle safety, comfort and infotainment, while significantly reducing network complexity and cabling costs. Promoter members of the OPEN Alliance SIG are: BMW, Broadcom Limited, Continental, Daimler, General Motors, Groupe Renault, Harman International, Hyundai Motor Company, Jaguar Land Rover, NXP Semiconductors, Realtek Semiconductor Corp., Renesas Electronics, Robert Bosch, Toyota Motor Corporation, Volkswagen of America, Volvo Cars. For more information and a complete list of member companies visit www.opensig.org

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