

ISO TC22 SC32 / IEEE 802.3
Liaison

Current status

- https://ieee802.org/3/minutes/nov16/incoming/ISO_TC22_SC32_to_IEEE_802d_3_Oct_2016.pdf



3, October, 2016

Category A liaison request to IEEE 802.3 from ISO TC22 SC32

Dear Mr. David Law and Jodi Haasz,

ISO TC22 SC32 is a standardizing body for electrical and electronic components and cross-sectional specifications for electrical and electronic systems and components of road vehicles. We are consists of 23 participating and 14 observing countries. SC32 WG10 (Optical components - Test methods and requirements") is standardizing optical components used for communication systems in road vehicles.

We would like to establish a liaison with your organization to exchange information on in-vehicle fiber optic system, devices and components intended for use with automotive equipment referenced the related Ethernet standards of IEEE 802.3 and other deliverables for fiber optic systems, devices, modules and components. SC32 will nominate Mr. Carlos Pardo for liaison officer if you accept our request. .

We look forward to hearing back from you and to working with you in the future.

Best regards,
Susumu Akiyama
Chairperson, ISO TC22 SC32

Ayumi Ikeda
Secretary, ISO TC22 SC32

Current status

- https://www.ieee802.org/3/minutes/nov16/outgoing/IEEE_802d3_to_ISO_TC22_SC32_1116_draft.pdf

IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group¹

To: Susumu Akiyama Chairperson, ISO TC22 SC32
email@address.something

Ayumi Ikeda Secretary, ISO TC22 SC32
email@address.something

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board
Secretary, IEEE-SA Board of Governors
sasecretary@ieee.org

Paul Nikolich Chair, IEEE 802 LMSC
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Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group
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Pete Anslow Secretary, IEEE 802.3 Ethernet Working Group
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Jodi Haasz IEEE-SA Program Manager, International Standards
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Robert Grow Chair, IEEE P802.3bv Task Force
bob.grow@ieee.org
[add Carlos as CC]

From: David Law Chair, IEEE 802.3 Ethernet Working Group
dlaw@hpe.com

Subject: Liaison letter requesting establishing a Category A liaison with IEEE 802.3

Approval: Agreed to at IEEE 802.3 **plenary meeting, San Antonio, TX, USA, 10 Nov 2016**

Dear Akiyama-san,

Thank you for your letter of 3 October 2016. The IEEE 802.3 Working Group is pleased to accept the request for a Category A liaison with ISO TC22 SC32.

The IEEE 802.3 Working Group has become quite active in developing specifications for adapting Ethernet for vehicular applications. This is primarily done through amendments to IEEE Std 802.3-2015. IEEE Std 802.3bw-2015 added 100 Mb/s single twisted-pair capability. IEEE Std 802.3bp-2016 added 1000 Mb/s single twisted-pair capability. IEEE Std 802.3br-2016 added the ability to intersperse express (high priority) traffic with lower

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priority traffic. And, as you are certainly aware, P802.3bv is developing an amendment specifying 1000 Mb/s operation over plastic optical fiber.

[add sentence on 10M STP]

It may also be of interest that at the November IEEE 802 plenary meeting, the IEEE 802.3 Working Group initiated a study group to determine the need, and if needed, the scope of work for multi-gigabit vehicular Ethernet capabilities.

We look forward to working together in the future to accelerate the adoption of Ethernet into road vehicles.

Sincerely,
David Law

Chair, IEEE 802.3 Ethernet Working Group

¹ This document solely represents the views of the IEEE 802.3 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

Draft liaison letter

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IEEE 802.3 Ethernet Working Group DRAFT Liaison Communication

Source:	IEEE 802.3 Working Group ¹	
To:	Mr. Masahiro Goto	Chairperson, ISO TC 22 SC 32 m.goto@denso-auto.de
	Ms. Ayako Tsukiyama	Committee manager, ISO TC 22 SC 32 tsukiyama@isae.or.jp
CC:	Konstantinos Karachalios	Secretary, IEEE-SA Standards Board Secretary, IEEE-SA Board of Governors sasecretary@ieee.org
	Paul Nikolich	Chair, IEEE 802 LMSC p.nikolich@ieee.org
	Adam Healey	Vice-chair, IEEE 802.3 Ethernet Working Group adam.healey@broadcom.com
	Jon Lewis	Secretary, IEEE 802.3 Ethernet Working Group jon.lewis@dell.com
	Steven Carlson	Chair, IEEE P802.3cy Task Force scarlson@hspdesign.com
	Robert Grow	Chair, IEEE P802.3cz Task Force bob.grow@ieee.org
	Carlos Pardo	Liaison, ISO TC22 SC32 carlospardo@kdpof.com
From:	David Law	Chair, IEEE 802.3 Ethernet Working Group dlaw@hpe.com
Subject:	Liaison ISO TC 22 SC 32 on Automotive Ethernet standard activity	
Approval:	Agreed to at IEEE 802.3 interim meeting, electronic, 21 January 2021	

Dear Mr. Masahiro Goto,

This correspondence is to inform you of work being done within IEEE 802.3 on higher speeds of Ethernet operation for Automotive Ethernet application.

The IEEE 802.3 Working Group has two current projects in this area:
IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet, and
IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet.

Each project is being developed by a corresponding IEEE 802.3 Task Force. The links for these Task Forces may be found on our IEEE 802.3 Working Group home page: www.ieee802.org/3.

These projects, as their names imply will add to previously approved Automotive Ethernet specifications. IEEE Std 802.3-2018 includes specifications for operation over plastic optical

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fiber at 1 Gb/s and electrical media at data rates of 100 Mb/s and 1 Gb/s. An amendment IEEE Std 802.3ch-2020 added operation over electrical media at 2.5 Gb/s, 5 Gb/s and 10 Gb/s.

Both Task Forces are in the process of developing draft amendments to IEEE Std 802.3. The objectives for P802.3cz target operation over optical fiber at 2.5 Gb/s, 5 Gb/s, 10 Gb/s, 25 Gb/s, and 50 Gb/s. The objectives for P802.3cy target operation over electrical media at 25 Gb/s, 50 Gb/s and 100 Gb/s.

We look forward to working together in the future to accelerate the adoption of Ethernet into road vehicles.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group

DRAFT

Motion

- Request that the IEEE 802.3 Working Group approve IEEE_802d3_to_ISO_TC22_SC32_0521_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ISO TC 22 / SC 32.

Mover: Carlos Pardo

Seconder:

Technical (>75%)

Y/N/A