PUBLICATIONS

Les publications du mois

VEHICULES ROUTIERS
COMMUNICATION DE DONNEES - BNA-CN-31
ISO 11898-2:2024 (Publiée le 22/03/2024) ISO/TC 22/SC 31/WG3 Véhicules routiers — Gestionnaire de réseau de communication (CAN) — Partie 2: Sous-couche de l'unité d'accès au support à haute vitesse (PMA) **Scope** This document specifies physical medium attachment (PMA) sublayers for the controller area network (CAN). This includes the high-speed (HS) PMA without and with low-power mode capability, without and with selective wake-up functionality. Additionally, this document specifies PMAs supporting the signal improvement capability (SIC) mode and the FAST mode in Annex A. The physical medium dependent (PMD) sublayer is not in the scope of this document.

Pour rappel, les publications depuis janvier 2024

VEHICULES ROUTIERS

COMPOSANTS ELECTRIQUES ET ELECTRONIQUES ET ASPECT SYSTEME GENERAL - BNA-CN-32

ISO/PAS 8926 :2024 (Publiée le 29/01/2024)

ISO/TC 22/SC 32/WG8

Véhicules routiers — Sécurité fonctionnelle — Utilisation d'éléments d'architecture logicielle préexistants

Scope

This document describes a framework for functional safety to enable the use of pre-existing software architectural elements not originally developed in accordance with the ISO 26262:2018 series, but intended to be integrated into safety-related embedded software conformant with the ISO 26262:2018 series by:

— determining relevant criteria when using the pre-existing software architectural element as a safety-related element of safety-related embedded software;

— determining relevant criteria inherent to the pre-existing software architectural element, e.g. needs for external safety mechanisms to detect and control failures caused by the pre-existing software architectural element;

— providing suitable evidence and arguments for use of the pre-existing software architectural element that can include applicable procedures, techniques and safety measures;

— supporting the fulfilment of software safety requirements when using the pre-existing software architectural element as a safety-related element of safety-related embedded software;

— supporting the integration of the pre-existing software architectural element as a safety-related element of safety-related embedded software.

DYNAMIQUE DES VEHICULES ET COMPOSANTS DE CHASSIS - BNA-CN-33

ISO 34504:2024 (Publiée le 09/02/2024)

ISO/TC 22/SC 33/WG9

Véhicules routiers — Scénarios d'essai pour les systèmes de conduite automatisée — Catégorisation des scénarios

Scope

This document defines an approach for the categorization of scenarios by providing tags that carry information about the scenarios.

This document is applicable to SAE level 3 to SAE level 5 Automated Driving System (ADS)[19]

VEHICULES A PROPULSION ELECTRIQUE- BNA-CN-37

ISO/TS 5474-5:2024 (Publiée le 31/01/2024)

ISO/TC 22/SC 37

Véhicules routiers à propulsion électrique — Exigences fonctionnelles et de sécurité pour le transfert de puissance entre le véhicule et le circuit électrique externe — Partie 5: Transfert de puissance automatique par conduction

Scope

This document defines requirements for the onboard system (vehicle side) related to the automatic connection for conductive alternating current (AC) and/or direct current (DC) power transfer between electrically propelled road vehicles (EVs) and external electric circuits. This document addresses the following aspects:

— electrical and mechanical safety requirements;

— compatibility requirements;

— environmental conditions;

— functionality requirements;

— test procedures.

This document applies to:

— EVs supporting automatic connection of a vehicle inlet according to IEC 62196-2, IEC 62196-3, IEC TS 62196-3-1 or IEC TS 63379 (category 1) and

— EVs supporting automatic connection of a category 3 vehicle inlet or category 3 plug (typically at the underbody of the vehicle) according to IEC TS 61851-26.

NOTE 1 IEC TS 61851-26 does not include automatic connection of vehicle inlets or plugs of category 1 and category 2, that can also be mounted at the underbody of the vehicle.

Requirements for EVs equipped with an ACD or ACD counterpart of category 2 are specified in EN 50696 and IEC 63407.

Requirements for simultaneous operation of multiple power transfer interfaces are under consideration and not covered in this document.

NOTE 2 Requirements for ACD infrastructure, communication sequence and communication interface are specified in IEC 61851-23-1, IEC TS 61851-26 and IEC TS 61851-27.

NOTE 3 EMC requirements for vehicles conductively connected to the supply network are defined in IEC 61851-21-1.