

## LETTRE DU BNA N° 126

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## **1 - FAITS MARQUANTS**

L'équipe du BNA vous présente, ainsi qu'à vos proches, ses meilleurs vœux de succès et de santé pour cette nouvelle année.

### **Présidence de l'ISO/TC 22/SC 34 Propulsion, groupe motopropulseur et fluides associés**

Les États-Unis, en charge du secrétariat de l'ISO/TC 22/SC 34 « Propulsion, groupe motopropulseur et fluides associés », ont proposé en décembre un candidat au poste de président de ce sous-comité : Mr. Daniel ARENS. Mr. ARENS, est responsable de laboratoire pour Parker-Hannifin, et expert filtration. La consultation internationale pour valider cette candidature se clôturera mi-janvier.

Pour rappel, le SC 34 est responsable des normes ISO dans les domaines suivants :

- Filtration (combustibles, air...) : WG 1, WG 3, WG 11
- Injection : WG 2
- Pistons : WG 4, WG 9
- Vanne EGR : WG 7
- Additif de réduction des NOx : (WG 14)
- Propreté des composants : WG 17

## 2 - NORMES PUBLIEES en DECEMBRE 2018

### 2-1 Normes suivies par le BNA (ISO/TC22, CEN/TC 239/CEN/TC 301)

#### VEHICULES ROUTIERS EUROPE - BNA-CN-301

##### **NF EN ISO 15118-3 (homologuée en novembre 2018)**

Véhicules routiers - Interface de communication entre véhicule et réseau électrique - Partie 3 : exigences relatives à la couche physique et à la couche liaison de données

##### **Domaine d'application (F)**

La présente partie de l'ISO 15118 spécifie les exigences relatives à la couche physique et à la couche liaison de données pour une communication de haut niveau, directement entre des véhicules électriques à batterie (VEB) ou des véhicules électriques hybrides rechargeables (VEHR), appelés VE (véhicule électrique) [ISO-1], basés sur une technologie de communication filaire, et l'installation fixe de recharge électrique [infrastructure de recharge pour véhicules électriques (IRVE)], utilisée en plus de la signalisation de base, comme défini dans [IEC-1].

Elle couvre l'échange global d'informations entre tous les acteurs impliqués dans l'échange d'énergie électrique. L'ISO 15118 (toutes les parties) s'applique à la charge conductive après connexion manuelle. Seules les IRVE de «modes 3 et 4 selon [IEC-1]», avec un module de communication de haut niveau, sont couvertes par la présente partie de l'ISO 15118.

#### VEHICULES ROUTIERS

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

##### **ISO 26262-1:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 1: Vocabulaire

##### **Scope (E)**

This document is intended to be applied to safety-related systems that include one or more electrical and/or electronic (E/E) systems and that are installed in series production road vehicles, excluding mopeds. This document does not address unique E/E systems in special vehicles such as E/E systems designed for drivers with disabilities.

NOTE Other dedicated application-specific safety standards exist and can complement the ISO 26262 series of standards or vice versa.

Systems and their components released for production, or systems and their components already under development prior to the publication date of this document, are exempted from the scope of this edition. This document addresses alterations to existing systems and their components released for production prior to the publication of this document by tailoring the safety lifecycle depending on the alteration. This document addresses integration of existing systems not developed according to this document and systems developed according to this document by tailoring the safety lifecycle.

This document addresses possible hazards caused by malfunctioning behaviour of safety-related E/E systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy and similar hazards, unless directly caused by malfunctioning behaviour of safety-related E/E systems.

This document describes a framework for functional safety to assist the development of safety-related E/E systems. This framework is intended to be used to integrate functional safety activities into a

company-specific development framework. Some requirements have a clear technical focus to implement functional safety into a product; others address the development process and can therefore be seen as process requirements in order to demonstrate the capability of an organization with respect to functional safety.

This document defines the vocabulary of terms used in the ISO 26262 series of standards.

### **ISO 26262-2:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 2: Gestion de la sécurité fonctionnelle

#### **Scope (E)**

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This document does not address the nominal performance of E/E systems.

This document specifies the requirements for functional safety management for automotive applications, including the following:

- project-independent requirements with regard to the organizations involved (overall safety management), and
  - project-specific requirements with regard to the management activities in the safety lifecycle, i.e. management during the concept phase and the product development phases (at the system, hardware and software level), and regarding production, operation, service and decommissioning.
- Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-3:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 3: Phase de projet

#### **Scope (E)**

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This document describes a framework for functional safety to assist the development of safety-related E/E systems. This framework is intended to be used to integrate functional safety activities into a company-specific development framework. Some requirements have a clear technical focus to implement functional safety into a product; others address the development process and can therefore be seen as process requirements in order to demonstrate the capability of an organization with respect to functional safety.

This document does not address the nominal performance of E/E systems.

This document specifies the requirements for the concept phase for automotive applications, including the following:

- item definition;
- hazard analysis and risk assessment; and
- functional safety concept.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-4:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 4: Développement du produit au niveau du système

#### **Scope (E)**

This document is intended to be applied to safety-related systems that include one or more electrical and/or electronic (E/E) systems and that are installed in series production road vehicles, excluding mopeds. This document does not address unique E/E systems in special vehicles such as E/E systems designed for drivers with disabilities.

NOTE Other dedicated application-specific safety standards exist and can complement the ISO 26262 series of standards or vice versa.

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This document describes a framework for functional safety to assist the development of safety-related E/E systems. This framework is intended to be used to integrate functional safety activities into a company-specific development framework. Some requirements have a clear technical focus to implement functional safety into a product; others address the development process and can therefore be seen as process requirements in order to demonstrate the capability of an organization with respect to functional safety.

This document does not address the nominal performance of E/E systems.

This document specifies the requirements for product development at the system level for automotive applications, including the following:

- general topics for the initiation of product development at the system level;
- specification of the technical safety requirements;
- the technical safety concept;
- system architectural design;
- item integration and testing; and
- safety validation.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-5:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 5: Développement du produit au niveau du matériel

#### **Scope (E)**

This document is intended to be applied to safety-related systems that include one or more electrical and/or electronic (E/E) systems and that are installed in series production road vehicles, excluding mopeds. This document does not address unique E/E systems in special vehicles such as E/E systems designed for drivers with disabilities.

NOTE Other dedicated application-specific safety standards exist and can complement the ISO 26262 series of standards or vice versa.

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This document addresses possible hazards caused by malfunctioning behaviour of safety-related E/E systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy and similar hazards, unless directly caused by malfunctioning behaviour of safety-related E/E systems.

This document describes a framework for functional safety to assist the development of safety-related E/E systems. This framework is intended to be used to integrate functional safety activities into a company-specific development framework. Some requirements have a clear technical focus to implement functional safety into a product; others address the development process and can therefore be seen as process requirements in order to demonstrate the capability of an organization with respect to functional safety.

This document does not address the nominal performance of E/E systems.

This document specifies the requirements for product development at the hardware level for automotive applications, including the following:

- general topics for the product development at the hardware level;
- specification of hardware safety requirements;
- hardware design;
- evaluation of the hardware architectural metrics;

— evaluation of safety goal violations due to random hardware failures; and

— hardware integration and verification.

The requirements of this document for hardware elements are applicable to both non-programmable and programmable elements, such as ASIC, FPGA and PLD. Further guidelines can be found in ISO 26262-10:2018 and ISO 26262-11:2018.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-6:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 6: Développement du produit au niveau du logiciel

#### **Scope (E)**

This document is intended to be applied to safety-related systems that include one or more electrical and/or electronic (E/E) systems and that are installed in series production road vehicles, excluding mopeds. This document does not address unique E/E systems in special vehicles such as E/E systems designed for drivers with disabilities.

NOTE Other dedicated application-specific safety standards exist and can complement the ISO 26262 series of standards or vice versa.

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This document describes a framework for functional safety to assist the development of safety-related E/E systems. This framework is intended to be used to integrate functional safety activities into a company-specific development framework. Some requirements have a clear technical focus to implement functional safety into a product; others address the development process and can therefore be seen as process requirements in order to demonstrate the capability of an organization with respect to functional safety.

This document does not address the nominal performance of E/E systems.

This document specifies the requirements for product development at the software level for automotive applications, including the following:

- general topics for product development at the software level;
- specification of the software safety requirements;
- software architectural design;
- software unit design and implementation;
- software unit verification;
- software integration and verification; and
- testing of the embedded software.

It also specifies requirements associated with the use of configurable software.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-7:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 7: Production, utilisation, maintenance et démantèlement

#### **Scope (E)**

This document is intended to be applied to safety-related systems that include one or more electrical and/or electronic (E/E) systems and that are installed in series production road vehicles, excluding mopeds. This document does not address unique E/E systems in special vehicles such as E/E systems designed for drivers with disabilities.

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This document describes a framework for functional safety to assist the development of safety-related E/E systems. This framework is intended to be used to integrate functional safety activities into a company-specific development framework. Some requirements have a clear technical focus to implement functional safety into a product; others address the development process and can therefore be seen as process requirements in order to demonstrate the capability of an organization with respect to functional safety.

This document does not address the nominal performance of E/E systems.

This document specifies the requirements for production, operation, service and decommissioning, including related planning activities.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-8:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 8: Processus d'appui

#### **Scope (E)**

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This document does not address the nominal performance of E/E systems.

This document specifies the requirements for supporting processes, including the following:

- interfaces within distributed developments;
- overall management of safety requirements;
- configuration management;
- change management;
- verification;



- documentation management;
- confidence in the use of software tools;
- qualification of software components;
- evaluation of hardware elements;
- proven in use argument
- interfacing an application that is out of scope of ISO 26262; and
- integration of safety-related systems not developed according to ISO 26262.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-9:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 9: Analyses liées aux niveaux d'intégrité de sécurité automobile (ASIL) et à la sécurité

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This document does not address the nominal performance of E/E systems.

This document specifies the requirements for Automotive Safety Integrity Level (ASIL)-oriented and safety-oriented analyses, including the following:

- requirements decomposition with respect to ASIL tailoring;
- criteria for coexistence of elements;
- analysis of dependent failures; and
- safety analyses.

Annex A provides an overview on objectives, prerequisites and work products of this document.

### **ISO 26262-10:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 10: Lignes directrices relatives à l'ISO 26262

#### **Scope (E)**

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This document does not address the nominal performance of E/E systems.

This document provides an overview of the ISO 26262 series of standards, as well as giving additional explanations, and is intended to enhance the understanding of the other parts of the ISO 26262 series of standards. It has an informative character only and describes the general concepts of the ISO 26262 series of standards in order to facilitate comprehension. The explanation expands from general concepts to specific contents.

In the case of inconsistencies between this document and another part of the ISO 26262 series of standards, the requirements, recommendations and information specified in the other part of the ISO 26262 series of standards apply.

### **ISO 26262-11:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 11: Lignes directrices sur l'application de l'ISO 26262 aux semi-conducteurs

#### **Scope (E)**

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This document does not address the nominal performance of E/E systems.

This document has an informative character only. It contains possible interpretations of other parts of ISO 26262 with respect to semiconductor development. The content is not exhaustive with regard to possible interpretations, i.e., other interpretations can also be possible in order to fulfil the requirements defined in other parts of ISO 26262.

### **ISO 26262-12:2018 (publiée en décembre 2018)**

Véhicules routiers -- Sécurité fonctionnelle -- Partie 12: Adaptation de l'ISO 26262 pour les motos

#### **Scope (E)**

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This document does not address the nominal performance of E/E systems.

This document specifies the requirements for adaptation for motorcycles, including the following:

- general topics for adaptation for motorcycles;
- safety culture;
- confirmation measures;
- hazard analysis and risk assessment;
- vehicle integration and testing; and
- safety validation.

Annex A provides an overview on objectives, prerequisites and work products of this document.

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

**ISO 3888-1:2018 (publiée en décembre 2018)**

Voitures particulières -- Piste d'essai de déboîtement latéral brusque -- Partie 1: Double déboîtement

**Scope (E)**

This document specifies the dimensions of the test track for a closed-loop test method to subjectively determine a double lane-change which is one part of the vehicle dynamics and road-holding ability of passenger cars. It is applicable to passenger cars as defined in ISO 3833. It is also applicable to light commercial vehicles up to a gross vehicle mass of 3,5 t.

**PROPULSION, GROUPE MOTOPROPULSEUR ET FLUIDES ASSOCIES - BNA-CN-34**

**ISO 16232:2018 (publiée en décembre 2018)**

Véhicules routiers -- Propreté des composants et des systèmes

**Scope (E)**

WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of any other restrictions prior to its use.

This document specifies requirements for applying and documenting methods for determining particulate contamination on functionally-relevant components and systems (cleanliness inspection) of road vehicles.

A cleanliness inspection comprises the basis of an assessment of technical cleanliness, which is performed, for example, under the following circumstances:

- initial inspection and evaluation;
- inspection of incoming and outgoing components; and
- quality control or monitoring of manufacturing processes relevant to cleanliness (e.g. cleaning, surface treatment and assembly processes).

This document is intended to improve the informative quality and comparability of test results. It also defines the standardized expression of cleanliness specifications and cleanliness test results in the quality chain of the automotive industry.

This document does not apply to the following:

- detection of filmy contamination (grease, oils, etc.);
- application of non-quantifiable particulate detection methods on test components (e.g. visual assessment, wipe test with clean cloth, etc.); and
- characterization of operating fluids (fuel, oils, coolants, brake fluid, etc.).

This document does not define any cleanliness limit values for specific components or systems. The degree of cleanliness required for a specific component or system is dependent on a number of highly-individual factors. Cleanliness specifications are intended to be undertaken only by specialists who not only know the component concerned but also the system it is built into, the later conditions of use, technically-feasible practices and possible consequences for manufacturing processes and the supply chain. Guidance for deriving limit values can be found in Annex H.

**SECURITE ET ESSAIS DE COLLISION – BNA-CN-36**

**ISO/TS 21476:2018 (publiée en décembre 2018)**

Véhicules routiers -- Méthode d'étalonnage de déplacement des dispositifs IR-TRACC

**Scope (E)**

This document establishes a procedure to calibrate IR-TRACC displacement transducers. Like all other sensors used on dummies, calibration is required. The calibration is carried out with the sensor disassembled from the dummy. The procedure is valid for sensors with analogue as well as digital output.

**AMBULANCES ET SYSTEMES DE SECOURS - BNA-CN-239**

**NF S64-024 (publiée en novembre 2018)**

Système de secours - Caisse mobile - Exigences et méthodes d'essai

**Domaine d'application (F)**

Le présent document spécifie les exigences et les méthodes d'essai applicables aux cellules sanitaires apportées destinées à équiper des ambulances routières jusqu'à une masse de 5 000 kg pour assurer un niveau approprié de sécurité.

**NF EN 13976-2 (homologuée en décembre 2018)**

Systèmes de secours - Transport d'incubateurs - Partie 2 : exigences relatives au système

**Domaine d'application (F)**

La présente Norme européenne spécifie les exigences pour les systèmes d'incubateurs de transport nécessaires aux soins et au traitement de nourrissons, utilisés dans le cadre de transports d'urgence ou planifiés.

Elle spécifie les exigences particulières nécessaires pour assurer le bon fonctionnement des équipements pendant le transport (par exemple les écrans de contrôle, les respirateurs, les pompes à perfusion, les systèmes de ventilation assistée (ECLS), l'alimentation en gaz) et assurer le transport sûr des nourrissons et des opérateurs.

La présente Norme européenne stipule également que les équipements ou les systèmes ne peuvent interférer avec les fonctions de l'ambulance routière ou aérienne assurant le transport.

La présente Norme européenne ne donne pas d'exigences concernant les véhicules, les engins, les dispositifs ou les incubateurs en tant que tels. Ces exigences se trouvent dans d'autres normes. Toutefois, les incubateurs de transport sont normalement combinés avec d'autres équipements pour former un « système d'incubateur de transport ».

**2-2 Normes des TC en liaison**

**ISO/TC 204 " SYSTEMES INTELLIGENTS DE TRANSPORT "**

**ISO/TR 21190:2018 (publiée en décembre 2018)**

Perception du télépéage -- Examen sur les politiques et technologies de tarification pour la future normalisation

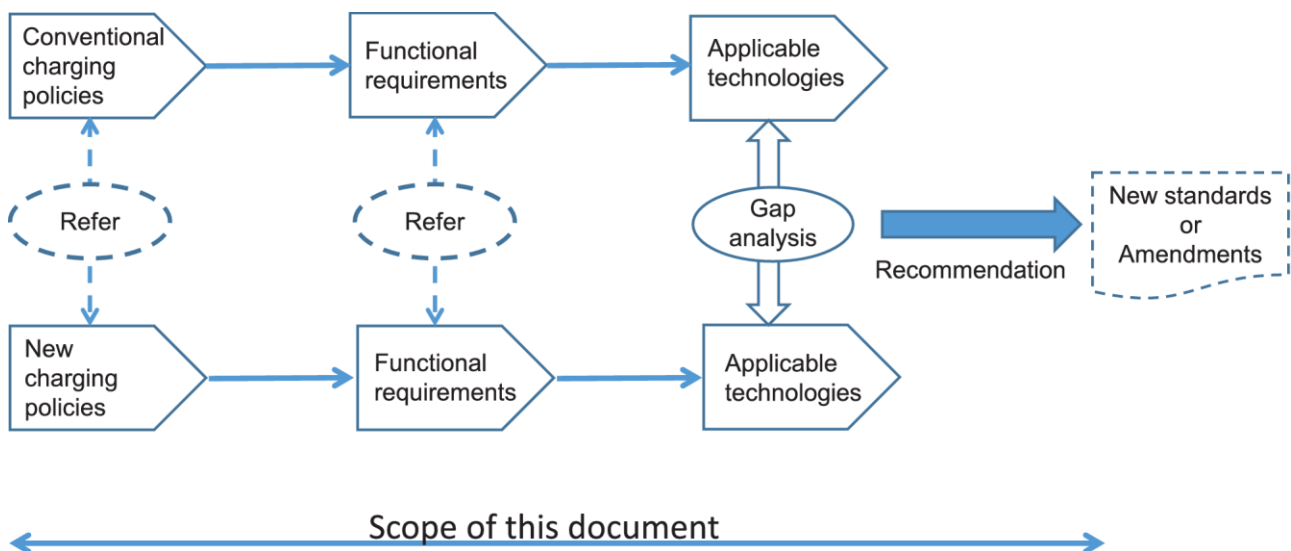
**Scope (E)**

This document investigates the stemming from requirements of charging policies and corresponding charging technologies in order to propose future standardization theme candidates.

This document reports the findings of the investigation of charging policies and technologies in order to:

- Classify the conventional charging policies and the new charging policies and their functional requirements.
- Classify the existing technologies and the emerging technologies to be used for EFC services or other intelligent transport system (ITS) services.
- Conduct a gap analysis between the needs of the new charging policies and the existing standardized technologies for EFC.
- Recommend development of emerging standards or amendments for existing EFC standards according to the results of the gap analysis.

Figure 1 shows the process for preparing this document and the scope.



**Figure 1 — Scope and process flow of this document**

### 3 - VOTES EN COURS

#### 3-1 Questions nouvelles (NWIP) et enquêtes diverses au sein du TC22, ses SC & CEN/TC 301

PROJET	Position probable de la commission	Date limite
<b>VEHICULES ROUTIERS</b>		
<b>ENQUETES INTERNES TC 22 (cf ADAG et résolutions par correspondance)</b>		
ISO/NP 11010-1 - Véhicule de tourisme -- Taxonomie des modèles de simulation -- Partie 1: manœuvre dynamique d'un véhicule		24/01/2019
<b>Vote interne TC22 :</b> Résolution c924: l'ISO/TC 22 propose d'enregistrer un nouveau rapport technique ISO/DTR 23735 "Véhicules routiers – Guide de conception ergonomique de la communication visuelle extérieure du véhicule automatisé aux autres utilisateurs de la route" dans un délai de 24 mois et de nommer John Shutko comme chef de projet. Si ce projet est validé, il sera développé par l'ISO/TC 22/SC 39/WG 8.		29/01/2019
ISO/NP 31120-1 - Véhicule routiers -- Eau déminéralisée -- Partie 1: exigences de qualité		04/02/2019
ISO/NP 21448 - Véhicules routiers -- Sécurité de la fonction attendue		08/02/2019
ISO/NP 16750-1 (Ed 4) - Véhicules routiers -- Spécifications d'environnement et essais de l'équipement électrique et électronique -- Partie 1: Généralités		18/02/2019
ISO/NP 16750-3 (Ed 4) - Véhicules routiers -- Spécifications d'environnement et essais de l'équipement électrique et électronique -- Partie 3: Contraintes mécaniques		18/02/2019
ISO/NP 16750-4 (Ed 4) - Véhicules routiers -- Spécifications d'environnement et essais de l'équipement électrique et électronique -- Partie 4: Contraintes climatiques		18/02/2019
ISO/NP 16750-5 (Ed 3) - Véhicules routiers -- Spécifications d'environnement et essais de l'équipement électrique et électronique -- Partie 5: Contraintes chimiques		18/02/2019
ISO/NP 11451-5 - Véhicules routiers -- Méthodes d'essai d'un véhicule soumis à des perturbations électriques par rayonnement d'énergie électromagnétique en bande étroite -- Partie 5: Chambre réverbérante		20/02/2019
<b>ENQUETES INTERNES CEN/TC 301 (résolutions par correspondance, CIB, CIB-NWI)</b>		
<b>Vote interne CEN/TC 301 :</b> Lors de la dernière réunion du CEN/TC 301/WG 6, Albert MAS, animateur, a annoncé son départ à la retraite et démissionné du poste d'animateur. Conformément aux règles CEN, les membres du CEN sont invités à soumettre des candidatures à ce poste. L'Allemagne a proposé un nouveau candidat: le Dr Thomas RAITH.		25/01/2019

PROJET	Position probable de la commission	Date limite
<p><b>Vote interne CEN/TC 301 :</b> Suite à la décision du CEN/TC 301, en 2018, de réviser les parties 1, 2 et 4 de la norme EN ISO 18541 sur la normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI), proposition du CEN/TC 301/WG 6 de réviser également la partie 3. Pour information, il est concomitamment demandé à l'ISO/TC 22/SC 31 de convenir de la révision de ces 4 parties de l'EN ISO 18541 avec un lead CEN.</p>		25/01/2019
<b>COMMUNICATION DE DONNEES - BNA-CN-31</b>		
<p><b>Vote interne SC31 :</b> Conformément à la recommandation de l'ISO/TC 22/SC 31/WG 6, l'ISO/TC 22/SC 31 propose de nommer Jean-François HUÈRE comme animateur du groupe de travail ISO/TC 22/SC 31/WG 6 "Véhicule étendu / Diagnostics à distance" en remplacement de Jean-François RENAUDIN, qui arrêtera sa mission le 31 décembre 2018.</p>		25/01/2019
<p><b>Vote interne SC31 :</b> Ayant déjà confirmé que le CEN reprenait le projet EN ISO 18541 (Doc N399), la résolution 130 de l'ISO/TC 22/SC 31 propose d'enregistrer les projets EN ISO 18541 parties 1 à 4 dans le groupe de travail CEN/TC 301/WG 6 "M/421 Vehicle OBD, repair and maintenance information" :</p> <ul style="list-style-type: none"> <li>- (EN) ISO 18541-1, Véhicules routiers -- Normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI) -- Partie 1: Informations générales et définitions de cas d'usage</li> <li>- (EN) ISO 18541-2, Véhicules routiers -- Normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI) -- Partie 2: Exigences techniques</li> <li>- (EN) ISO 18541-3, Véhicules routiers -- Normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI) -- Partie 3: Exigences d'interface fonctionnelles pour l'utilisateur</li> <li>- (EN) ISO 18541-4, Véhicules routiers -- Normalisation de l'accès aux informations relatives à la réparation et à la maintenance pour l'automobile (RMI) -- Partie 4: Tests de conformité</li> </ul>		25/01/2019
<p><b>Vote interne SC31 :</b> Conformément à la demande de l'ISO/TC 22/SC 31/JWG1, la résolution R132 de l'ISO/TC 22/SC 31 propose la réorganisation du projet 15118-2 (Partie 2 ed2 en partie 20 avec changement de titre):</p> <ul style="list-style-type: none"> <li>- ISO/DIS 15118-2 (Ed 2), Road vehicles -- Vehicle to grid communication interface -- Part 2: Network and application protocol requirements</li> </ul> <p>Par :</p> <ul style="list-style-type: none"> <li>- ISO/DIS 15118-20 with the adopted title: Vehicle to grid communication interface -Part 20: 2ndgeneration network and application protocol requirements</li> </ul>		25/01/2019



PROJET	Position probable de la commission	Date limite
<p><b>Vote interne SC31 :</b> Conformément à la demande de l'ISO/TC 22/SC 31/WG3 de soumettre un NWIP supplémentaire pour le projet MOST, la résolution R134 de l'ISO/TC 22/SC 31 propose de mettre au vote les projets suivants :</p> <ul style="list-style-type: none"> <li>- ISO/NP 21806-10, Road vehicles -- Media Oriented Systems Transport (MOST) framework -- Part 10: 150 Mbit/s optical physical (oPhy) layer</li> <li>- ISO/NP 21806-11, Road vehicles -- Media Oriented Systems Transport (MOST) framework -- Part 11: 150 Mbit/s optical physical (oPhy) layer conformance test</li> <li>- ISO/NP 21806-12, Road vehicles - Media Oriented Systems Transport (MOST) framework - Part 12: 50-Mbit/s balanced media physical layer</li> <li>- ISO/NP 21806-13, Road vehicles - Media Oriented Systems Transport (MOST) framework - Part 13: 50-Mbit/s balanced media physical layer conformance test plan</li> <li>- ISO/NP 21806-14, Road vehicles - Media Oriented Systems Transport (MOST) framework - Part 14: Lean application layer</li> <li>- ISO/NP 21806-15, Road vehicles - Media Oriented Systems Transport (MOST) framework - Part 15: lean application layer conformance test plan-</li> <li>ISO/NO 21806-15, Road vehicles - Media Oriented Systems Transport (MOST) framework - Part 15: leasn application layer conformance test plan</li> </ul>		25/01/2019
<p><b>Vote interne SC31 :</b> Suite à la demande de l'ISO/TC 22/SC 3/WG8, la résolution R133 de l'ISO/TC 22/SC 31 propose d'établir une liaison entre l'ISO/TC 22/SC 31/WG8 et l'UIT-T SG16 sous la direction de l'ISO/TC 22/SC 31/WG8.</p>		25/01/2019
<b>DYNAMIQUE DES VEHICULES ET COMPOSANTS DE CHASSIS - BNA-CN-33</b>		
<p><b>Vote interne SC33 :</b> Conformément à la recommandation du SC 33/WG 16, le SC 33 propose de nommer Monica RINAVIK (AstaZero – Suède) comme animatrice du groupe de travail ISO/TC 22/SC 33/WG 16 " Equipements de test de sécurité active " (Doc N137 curriculum vitae).</p>		27/01/2019
<b>PROPULSION, GROUPE MOTOPROPULSEUR ET FLUIDES ASSOCIES - BNA-CN-34</b>		
<p><b>Vote interne SC34 :</b> Conformément à la recommandation du secrétariat de l'ISO/TC 22/SC 34, la résolution c926 de l'ISO/TC 22 propose de nommer Daniel ARENS (US) comme président de l'ISO/TC 22/ SC 34 pour une période de trois ans à compter du 18/01/2019.</p>		17/01/2019

<b>SECURITE ET ESSAIS DE COLLISION - BNA-CN-36</b>		
<p><b>Vote interne SC36 :</b> Conformément à la décision de l'ISO/TC 22/SC 36/WG 1, la résolution c95 propose de réviser l'ISO/TR 14933 " Véhicules routiers -- Méthodes d'essai pour l'évaluation des interactions d'un occupant en position anormale dans un véhicule avec les sacs gonflables latéraux en cours de déploiement" dans le but d'ajouter des positions OOP pour le déploiement centralisé des airbags. Chef de projet : Dana Wold. Calendrier : 36 mois</p>	Approbation	15/01/2019
<b>MOTOCYCLES ET CYCLOMOTEURS - BNA-CN-38</b>		
<p><b>Vote interne SC38 :</b> Res. via Corresp 328_Change of status of ISO 18246 Revision (from PWI to AWI)</p>		21/01/2019
<p><b>Vote interne SC38 :</b> Res. via Corresp 329_Change of status of ISO 13063 Revision (from PWI to AWI)</p>		21/01/2019
<p><b>Vote interne SC38 :</b> Res. via Corresp 330_Withdrawal of ISO PAS 19695</p>		21/01/2019
<p><b>Vote interne SC38 :</b> Res. via Corresp 331_Confirmation of WG3 convenor</p>		21/01/2019
<b>ERGONOMIE - BNA-CN-39</b>		
<p><b>Vote interne SC39 :</b> L'ISO/TC 22/SC 39/WG 5 propose un nouveau symbole. Titre : " Take Steering Wheel " (reprise en main du volant). Description : Lorsque cette fonction est activée, il est demandé au conducteur de reprendre le contrôle du véhicule par la reprise en main du volant.</p>		14/02/2019
<b>CYCLES – BNA-CN-149 &amp; BNA-CN-333</b>		
<p><b>Vote interne TC149/SC1 :</b> Revision of ISO 4210 Part 1-9, Cycles - Safety requirements for bicycles &amp; ISO 8098 (2014), Cycles - Safety requirements for bicycles for young children</p>		31/01/2019
<b>AMBULANCES ET SYSTEMES DE SECOURS - BNA-CN-239</b>		
<p><b>Vote interne CEN/TC239 :</b> Lors de sa 32e réunion, le CEN / TC 239 a décidé de lancer un vote PWI pour le projet EN 1865 "Patient handling equipment used in road ambulances - Part 4: Foldable patient transfer chair" (Dec 269-2019)</p>		05/02/2019
<p><b>Vote interne CEN/TC239 :</b> Lors de sa 32e réunion, le CEN / TC 239 a décidé de lancer un vote PWI pour le projet EN 1865-5 "Patient handling equipment used in road ambulances - Part 5: Strecher support" (Dec 270-2019)</p>		05/02/2019

**3-2 Questions nouvelles (NWIP) et enquêtes diverses au sein des TC en liaison**

PROJET	Date limite
<b>ISO/TC 204 " SYSTEMES INTELLIGENTS DE TRANSPORT "</b>	
Call for nomination for ISO/TC204/WG5 Convenor - Mr. Jesper Engdahl has announced his resignation as the convenor of ISO/TC204/WG5, effective as of 31 March 2019. TC204 is launching this six-week CIB ballot to call for nomination for ISO/TC204/WG5 Convenor.	21/01/2019
ISO/NP 19297-4 - Intelligent transport systems -- Shareable geospatial databases for ITS applications -- Part 4: Common data structure	05/02/2019
ISO/NP 23376 - Intelligent transport systems -- Vehicle-to-vehicle intersection collision warning systems (VVICW) -- Performance requirements and test procedures	06/02/2019

**3-3 Votes en cours (ISO : CD/DIS/FDIS/SR, CEN : enquête CEN & Vote formel)**

PROJET	Position probable de la commission	Date limite
<b>VEHICULES ROUTIERS</b>		
<b>CEN/TC 301 (CEN Enquiry, FV &amp; SR, TR)</b>		
FprEN ISO 15118-1 - Véhicules routiers - Interface de communication entre véhicule et réseau électrique - Partie 1: Informations générales et définition de cas d'utilisation (ISO/FDIS 15118-1:2018)		15/02/2019
<b>COMMUNICATION DE DONNEES - BNA-CN-31</b>		
WDRL ISO 13400-1:2011 - Véhicules routiers -- Communication de diagnostic au travers du protocole internet (DoIP) -- Partie 1: Informations générales et définition de cas d'usage	Approbation	10/01/2019
WDRL ISO 15765-1:2011 (Ed 2) - Véhicules routiers -- Communication de diagnostic sur gestionnaire de réseau de communication (DoCAN) -- Partie 1: Informations générales et définition de cas d'usage	Approbation	10/01/2019
WDRL ISO 16844-7:2015 (Ed 2) - Véhicules routiers -- Systèmes tachygraphes -- Partie 7: Paramètres	Approbation	10/01/2019
ISO/FDIS 20080 - Véhicules routiers -- Information pour support de diagnostique à distance -- Exigences générales, définitions et cas d'utilisation		22/01/2019
ISO/CD 21806-1 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 1: Information générale et définition de la structure du document		25/01/2019
ISO/CD 21806-2 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 2: Couche d'application		25/01/2019
ISO/CD 21806-3 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 3: Plan d'essais de conformance de la couche d'application		25/01/2019
ISO/CD 21806-4 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 4: Transport et couche réseau		25/01/2019
ISO/CD 21806-5 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 5: Plan d'essais de conformance du transport et de la couche réseau		25/01/2019
ISO/CD 21806-6 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 6: Couche de liaison de données		25/01/2019

ISO/CD 21806-7 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 7: Plan d'essais de conformité de la couche de liaison de données		25/01/2019
ISO/CD 21806-8 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 8: Couche optique physique de 150 Mbit/s		25/01/2019
ISO/CD 21806-9 - Véhicules routiers -- Environnement du système axé sur les médias -- Partie 9: Essai de conformité de la couche optique physique de 150 Mbit/s		25/01/2019
WDRL (Withdrawal) ISO 15764:2004 - Véhicules routiers -- Sécurité étendue de liaison de données		26/01/2019
WDRL (Withdrawal) ISO 16844-5:2004 - Véhicules routiers -- Systèmes tachygraphes -- Partie 5: Interface CAN sauvegardée		09/02/2019
ISO/FDIS 15118-1 (Ed 2) - Véhicules routiers -- Interface de communication entre véhicule et réseau électrique -- Partie 1: Informations générales et définition de cas d'utilisation		15/02/2019
<b>COMPOSANTS ELECTRIQUES ET ELECTRONIQUES ET ASPECT SYSTEME GENERAL - BNA-CN-32</b>		
ISO/DIS 19072-2 (Ed 3) - Véhicules routiers -- Interface de raccordement pour dispositifs pyrotechniques, deux voies et trois voies -- Partie 2: Méthodes d'essai et exigences des performances générales		22/01/2019
ISO/DIS 22565 - Véhicules routiers -- Méthodes de test d'endurance pour le relais démarreur stop and start system		24/01/2019
SR ISO 6722-2:2013 (Ed 4) - Véhicules routiers -- Câbles monoconducteurs de 60 V et 600 V -- Partie 2: Méthodes d'essai des dimensions et exigences pour les câbles conducteurs en aluminium		04/03/2019
SR ISO 28741:2013 (Ed 2) - Véhicules routiers -- Bougies d'allumage et leur logement dans la culasse -- Caractéristiques élémentaires et dimensions		04/03/2019
ISO/DIS 8820-12 - Véhicules routiers -- Liaisons fusibles -- Partie 12: Liaisons fusibles cavalier (Type à lame), Type C (moyen), Type E (courant élevé) et Type F (miniature)		22/03/2019
ISO/DIS 8820-13 - Véhicules routiers -- Liaisons fusibles -- Partie 13: Liaisons fusibles cavalier (Type plat), Type P		22/03/2019
<b>DYNAMIQUE DES VEHICULES ET COMPOSANTS DE CHASSIS - BNA-CN-33</b>		
ISO/CD 21233 - Véhicule utilitaires lourds et autobus -- Simulation et validation dynamique des véhicules -- Essai en courbe se fermant		07/02/2019
ISO/DIS 19586 - Véhicules utilitaires lourds et autobus -- Dynamique du véhicule simulation et validation -- Stabilité latérale des véhicules articulés		28/02/2019
ISO/DIS 19585 - Véhicules utilitaires lourds et autobus -- Simulation et validation dynamique des véhicules -- Tenue de route en régime permanent sur trajectoire circulaire		20/03/2019

<b>PROPULSION, GROUPE MOTOPROPULSEUR ET FLUIDES ASSOCIES - BNA-CN-34</b>		
ISO/CD 6621-3 - Moteurs à combustion interne -- Segments de piston - - Partie 3: Spécifications des matériaux		08/02/2019
SR ISO 6622-2:2013 (Ed 2) - Moteurs à combustion interne -- Segments de piston -- Partie 2: Segments rectangulaires en acier		04/03/2019
<b>SECURITE ET ESSAIS DE COLLISION - BNA-CN-36</b>		
ISO/CD 21612 - Véhicules routiers -- Détermination de l'effet transverse sur capteur de force multi axial		08/02/2019
<b>VEHICULES A PROPULSION ELECTRIQUE - BNA-CN-37</b>		
ISO/DIS 21782-6 - Electrically propelled road vehicles -- Test specification for electric propulsion components -- Part 6: Operating load testing of motor and inverter		11/02/2019
SR ISO 23828:2013 (Ed 2) - Véhicules routiers avec pile à combustible - - Mesurage de la consommation d'énergie -- Véhicules alimentés par hydrogène comprimé		04/03/2019
ISO/DIS 23274-1 (Ed 2) - Véhicules routiers électriques hybrides -- Mesurages des émissions à l'échappement et de la consommation de carburant -- Partie 1: Véhicules non rechargeables par des moyens externes		04/03/2019
ISO 6469-3:2018/DAMd 1 - Véhicules routiers électriques -- Spécifications de sécurité -- Partie 3: Sécurité électrique -- Amendement 1		28/03/2019
<b>MOTOCYCLES ET CYCLOMOTEURS - BNA-CN-38</b>		
ISO/DIS 21755-2 - Motocycles -- Méthode de mesure pour les émissions par évaporation -- Partie 2: Méthode de mesure en utilisant la procédure des tests par perméation		31/01/2019
SR ISO 18246:2015 - Cyclomoteurs et motocycles à propulsion électrique -- Exigences de sécurité relatives au couplage conducteur à une borne d'alimentation électrique externe	Révision	04/03/2019
SR ISO/PAS 19695:2015 - Motocycles -- Sécurité fonctionnelle	Annulation	04/03/2019
<b>ASPECTS SPECIFIQUES DES VEHICULES COMMERCIAUX, AUTOBUS ET REMORQUES - BNA-CN-40</b>		
SR ISO 13052:2013 - Véhicules routiers -- Remorques jusqu'à 3,5 t -- Exigences pour roues jockey et supports de barres d'attelage		04/03/2019
<b>ASPECTS SPECIFIQUES DES COMBUSTIBLES GAZEUX – BNA-CN-41</b>		
ISO/DTS 21104 - Véhicules routiers -- Connecteur pour le remplissage basse pression de Gas Naturel Liquéfié (GNL) -- Connecteur à 1,8 MPa		15/03/2019

### 3-4 Votes CD/DIS/FDIS/SR des TC en liaison en cours

PROJET	Date limite
<b>ISO/TC 204 " SYSTEMES INTELLIGENTS DE TRANSPORT "</b>	
ISO/DIS 19082 - Intelligent transport systems -- Definition of data elements and data frames between roadside modules and signal controllers for cooperative signal control	11/01/2019
ISO/CD 17515-2 - Systèmes intelligents de transport -- Accès aux communications des services mobiles terrestres (CALM) -- Réseau d'accès à la radio terrestre universelle évoluée (E-UTRAN) -- Partie 2: Communications directe entre appareils (D2D)	28/02/2019
SR ISO 15628:2013 (Ed 2) - Systèmes intelligents de transport -- Communications spécialisées à courte portée (DSRC) -- Couche d'application DSRC	04/03/2019
SR ISO/TS 15624:2001 (vers 2) - Systèmes de commande et d'information des transports -- Systèmes d'avertissement des obstacles au trafic (TIWS) -- Exigences des systèmes	04/03/2019
SR ISO/TS 15638-13:2015 - Intelligent transport systems -- Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) -- Part 13: "Mass" information for jurisdictional control and enforcement	04/03/2019
ISO/DIS 21219-3 - Systèmes intelligents de transport -- Informations sur le trafic et le tourisme via le groupe expert du protocole de transport, génération 2 (TPEG2) -- Partie 3: Règles de conversion d'UML à système binaire	07/03/2019
ISO/DIS 21219-4 - Systèmes intelligents de transport -- Informations sur le trafic et le tourisme via le groupe expert du protocole de transport, génération 2 (TPEG2) -- Partie 4: Règles de conversion d'UML en XML	07/03/2019
ISO/DIS 21219-5 - Systèmes intelligents de transport -- Informations sur le trafic et le tourisme via le groupe expert du protocole de transport, génération 2 (TPEG2) -- Partie 5: Cadre de service (TPEG2-SFW)	07/03/2019
ISO/DIS 21219-6 - Systèmes intelligents de transport -- Informations sur le trafic et le tourisme via le groupe expert du protocole de transport, génération 2 (TPEG2) -- Partie 6: Conteneur de gestion de message (TPEG2-MMC)	07/03/2019
ISO/DIS 21219-18 - Systèmes intelligents de transport -- Informations sur le trafic et le tourisme via le groupe expert du protocole de transport, génération 2 (TPEG2) -- Partie 18: Flux de trafic et application de prédiction (TPEG2-TFP)	07/03/2019
ISO/DIS 21219-2 - Systèmes intelligents de transport -- Informations sur le trafic et le tourisme via le groupe expert du protocole de transport, génération 2 (TPEG2) -- Partie 2: Règles de modelage UML	14/03/2019

#### 4 - POSITIONS NATIONALES EXPRIMEES ET RESULTATS

##### 4-1 Enquêtes de question nouvelle (NWIP) du TC22

TITRE	Vote FR	Résultat
<b>VEHICULES ROUTIERS</b>		
<b>ENQUETES INTERNES TC 22 (cf ADAG et résolutions par correspondance)</b>		
ISO/NP 21234 - Road vehicles - Heavy commercial vehicles and buses -- Moment of inertia measurement	Abstention	Approbation
<b>COMMUNICATION DE DONNEES - BNA-CN-31</b>		
<p><b>Vote interne SC31 :</b> Conformément à la décision de l'ISO/TC 22/SC 31/WG 10, proposition de modifier le domaine d'application de la norme ISO 23132 "Road vehicles - Time constraint peri-vehicular data communication for the Extended Vehicle (ExVe) - General requirements, definitions and use cases related to Road an ExVe Safety (RExVeS)".</p>	Approbation	Approbation
<b>COMPOSANTS ELECTRIQUES ET ELECTRONIQUES ET ASPECT SYSTEME GENERAL - BNA-CN-32</b>		
<p><b>Vote interne SC32 :</b> Conformément à la décision de l'ISO/TC 22/SC 32/WG 5, la résolution 136 de l'ISO/TC 22/SC 32, propose de commencer les travaux de révision de l'ISO 8820-10 "Road vehicles -- Fuse-links -- Part 10: Fuse-links with tabs Type L (high current miniature)", sans changement du domaine d'application, au stade 30.99, dans un délai de 24 mois et de nommer M. Jonathan Laterza comme chef de projet.</p>	Approbation	Approbation
<b>DYNAMIQUE DES VEHICULES ET COMPOSANTS DE CHASSIS - BNA-CN-33</b>		
<p><b>Vote interne SC33 :</b> Demande de report de la réunion plénière du SC33 à la première ou à la deuxième semaine de juillet.</p>	1 <sup>ère</sup> semaine de juillet	1 <sup>ère</sup> semaine de juillet
<p><b>Vote interne SC33 :</b> Conformément à la décision de l'ISO/TC 22/SC 33, la résolution c925 de l'ISO/TC 22 propose de nommer Thorsten Leonhardt (Audi - DE) au poste de président de l'ISO/TC 22/SC 33 pour une période de 6 ans à compter du 01/01/2019.</p>	Approbation	Approbation
<b>CYCLES – BNA-CN-149 &amp; BNA-CN-333</b>		
<p><b>Vote interne CEN/TC333 :</b> Suite à la décision N 151/2018 prise par le CEN/TC 333 lors de la dernière réunion, proposition de lancer un PWI pour la révision du projet EN 15496:2008 "Cycles - Requirements and test methods for cycle locks" conformément à la résolution N 153</p>	Approbation	Approbation



TITRE	Vote FR	Résultat
<b>AMBULANCES ET SYSTEMES DE SECOURS - BNA-CN-239</b>		
<p><b>Vote interne CEN/TC239 :</b> Lors de sa 32e réunion, le CEN/TC 239 a décidé d'organiser un vote (Dec 267-2018) pour éviter le vote formel du projet EN 13718-1 FprA1 "Medical vehicles and their equipment - Air ambulances - Part 1: Requirements for medical devices used in air ambulances" et procéder directement à la publication</p>	Abstention	Approbation
<p><b>Vote interne CEN/TC239 :</b> Lors de sa 32e réunion, le CEN/TC 239 a décidé d'organiser un vote (Dec 268-2018) pour éviter le vote formel du projet EN 13718-2 FprA1 "Medical vehicles and their equipment - Air ambulances - Part 2: Operational and technical requirements for air ambulances" et procéder directement à la publication</p>	Abstention	Approbation

### 4-3 Résultats des votes CD/DIS/FDIS/SR du TC22

PROJET	Vote FR	Résultat
<b>VEHICULES ROUTIERS</b>		
<b>COMMUNICATION DE DONNEES - BNA-CN-31</b>		
ISO/FDIS 20078-1 - Véhicule routiers -- "web services" du véhicule étendu (ExVe) -- Partie 1: Contenu du véhicule étendu	Approbation avec commentaires	Approbation
ISO/FDIS 20078-2 - Véhicule routiers -- "web services" du véhicule étendu (ExVe) -- Partie 2: Accès du véhicule étendu	Approbation avec commentaires	Approbation
ISO/DIS 19072-1 (Ed 3) - Véhicules routiers -- Interface de raccordement pour dispositifs pyrotechniques, deux voies et trois voies -- Partie 1: Définition de l'interface du support allumeur	Approbation	Approbation
ISO/DTR 23786 - Road vehicles -- Solutions for remote access to vehicle -- Criteria for risk assessment	Approbation avec commentaires	Approbation
ISO/DTR 23791 - Road vehicles -- Extended vehicle (ExVe) web services -- Result of the risk assessment on ISO 20078 series	Approbation avec commentaires	Approbation
<b>COMPOSANTS ELECTRIQUES ET ELECTRONIQUES ET ASPECT SYSTEME GENERAL - BNA-CN-32</b>		
ISO/FDIS 19642-2 - Véhicules routiers -- Câbles automobiles -- Partie 2: Méthodes d'essai	Approbation	Approbation
ISO/FDIS 19642-3 - Véhicules routiers -- Câbles automobiles -- Partie 3: Dimensions et exigences des câbles en cuivre mono conducteurs de 30 V a.c. ou 60 V c.c	Approbation	Approbation
ISO/FDIS 19642-4 - Véhicules routiers -- Câbles automobiles -- Partie 4: Dimensions et exigences des câbles en aluminium mono conducteurs de 30 V a.c ou 60 V c.c	Approbation	Approbation
ISO/FDIS 19642-5 - Véhicules routiers -- Câbles automobiles -- Partie 5: Dimensions et exigences des câbles de cuivre mono conducteurs de 600 V a.c. ou 900 V c.c. et 1 000 V a.c. ou 1 500 V c.c	Approbation	Approbation
ISO/FDIS 19642-6 - Véhicules routiers -- Câbles automobiles -- Partie 6: Dimensions et exigences des câbles en aluminium mono conducteurs de 600 V a.c. ou 900 V c.c. et 1 000 V a.c. ou 1 500 V c.c	Approbation	Approbation
ISO/FDIS 19642-7 - Véhicules routiers -- Câbles automobiles -- Partie 7: Dimensions et exigences des câbles en cuivre ronds, gainés, blindés, mono ou multi conducteurs de 30 V a.c ou 60 V d.c	Approbation	Approbation
ISO/FDIS 19642-8 - Véhicules routiers -- Câbles automobiles -- Partie 8: Dimensions et exigences des câbles en aluminium ronds, gainés, blindés, à plusieurs ou unique noyau blindés 30 V a.c ou 60 V d.c	Approbation	Approbation

PROJET	Vote FR	Résultat
ISO/FDIS 19642-9 - Véhicules routiers -- Câbles automobiles -- Partie 9: Dimensions et exigences des câbles en cuivre conducteurs ronds, gainés, blindés mono ou multi conducteurs de 600 V a.c. ou 900 V c.c et 1 000 V a.c. ou 1 500 V c.c	Approbation	Approbation
ISO/FDIS 19642-10 - Véhicules routiers -- Câbles automobiles -- Partie 10: Dimensions et exigences des câbles en aluminium conducteurs ronds, gainés, blindés mono ou multi conducteurs de 600 V a.c. ou 900 V c.c et 1 000 V a.c. ou 1 500 V c.c	Approbation	Approbation
ISO/DIS 20076 - Véhicules routiers -- Méthodes d'essai et exigences de performance pour connecteurs haute tension	Approbation	Approbation
<b>PROPULSION, GROUPE MOTOPROPULSEUR ET FLUIDES ASSOCIES - BNA-CN-34</b>		
ISO/FDIS 22241-1 (Ed 2) - Moteurs diesel -- Agent AUS 32 de réduction des NOx -- Partie 1: Exigences de qualité	Approbation avec corrections	Approbation
ISO/FDIS 22241-2 (Ed 2) - Moteurs diesel -- Agent AUS 32 de réduction des NOx -- Partie 2: Méthodes d'essai	Approbation avec corrections	Approbation
<b>VEHICULES A PROPULSION ELECTRIQUE - BNA-CN-37</b>		
ISO/DIS 19363 - Véhicules routiers électriques -- Transmission d'énergie sans fil par champ magnétique -- Exigences de sécurité et d'interopérabilité	Approbation avec commentaires	Approbation

**4-4 Résultats des votes CD/DIS/FDIS/SR des TC en liaison**

PROJET	Vote FR	Résultat
<b>ISO/TC 204 " SYSTEMES INTELLIGENTS DE TRANSPORT "</b>		
ISO/CD 17419-2 - Intelligent transport systems -- Identifiers -- Part 2: Management and operation of registries	Approbation	Approbation
ISO/DIS 19414 - Systèmes intelligents de transport -- Architecture de services des systèmes de véhicules traceurs	Approbation avec commentaires	Approbation
ISO/DIS 12813 (Ed 2) - Perception du télépéage -- Communication de contrôle de conformité pour systèmes autonomes	Approbation avec commentaires	Approbation
ISO/CD 21202 - Intelligent transport systems -- Partially Automated Lane Change Systems (PALS) -- Functional / operational requirements and test procedures	Approbation avec commentaires	Approbation
ISO/CD 20684-1 - Intelligent transport systems -- Roadside modules SNMP data interface -- Part 1: Overview	Approbation	Approbation
ISO/CD 20684-2 - Systèmes de transport intelligents -- Interface de données SNMP pour les modules en bord de route -- Partie 2: Dispositifs de terrain généralisés -- Gestion de base	Approbation	Approbation

## 5 - REUNIONS NATIONALES ET INTERNATIONALES PREVUES EN 2019

DATES	STRUCTURE					Partic BNA	Secr. BNA	Pays	Lieu	Int. ou Fra /I/F	J Nb Jours réunion
	ISO/CEN/ BNA	TC	SC	GT	a/h TF						
7-janv	BNA				CN-31-GT6	O	O	FR	Skype	F	0,5
8-janv	BNA				CN-36	O	O	FR	BNA	F	0,5
10-janv	BNA				CN-301 (RDS)	O	O	FR	Audio	F	0,5
11-janv	BNA				CN10-GH5128	O	O	FR	Antony	F	0,5
14-janv	AFNOR				GCSVDEM	O	N	FR	AFNOR	F	1
14-janv	ISO	43	1	42	GH5128	O	N	FR	reportée	F	2
15 /16 janv	BNA				ADAG FR	O	O	FR	TCR	F	0,5
16-janv	OICA				5128	N	N	FR	Paris ?	I	1
16-janv	BNA				CN-39	O	O	FR	Audio	F	0,25
16-janv	BNA				CN-32-GT3	O	O	FR	BNA	F	1
18-janv	ISO	22	31	10		O	O	FR	ZOOM	I	0,5
18-janv	BNTRA				CN ADAS	O	N	FR	ASFA	F	0,5
21-janv ?	AFNOR				CoS Transport	O	N	FR	AFNOR	F	0,5
21-janv	ISO	22	35	1		O	O	FR	Audio	I	0,5
23-janv	BNA				CN-6	O	O	FR	BNA	F	0,5
29-janv	AFNOR				Réunion des BNs	O	N	FR	Audio	F	0,2
29-janv	AFNOR				S30M	O	N	FR	AFNOR	F	1
1-févr	BNA				CN-32-GT11	O	O	FR	BNA	F	1
7-févr	AFNOR				CoS SST	O	N	FR	AFNOR	F	0,5
14-févr	AFNOR				Réunion des BNs	O	N	FR	AFNOR	F	0,5
19-févr	BNA				CN-301	O	O	FR	Audio	F	0,5
19-févr	ISO	149	1		ST	O	O	BE	CEN	I	0,5
19-févr	BNA				CN-40	O	O	FR	BNA	F	0,5
20-févr	BNA				CN-31-GT6	O	O	FR	Skype	F	0,2

DATES	STRUCTURE					Partic BNA	Secr. BNA	Pays	Lieu	Int. ou Fra / I/F	J Nb Jours réunion
	ISO/CEN/ BNA	TC	SC	GT	a/h TF						
20-févr	CEN	333		8		O	N	BE	CEN	I	1
21-févr	CEN	333		5		O	O	BE	CEN	I	0,5
21-févr	CEN	333				O	N	BE	CEN	I	0,5
28-févr	ISO	22			ADAG	O	O	DE	Munich	I	1
4-mars	ISO	43	1	42	GH 10844	O	O	FR	Paris ?	I	2
7-mars	BNA				CN-239	O	O	FR	?	F	1
8-mars	BNTRA				CN ADAS	O	N	FR	?	F	0,5
11-mars	ISO	22	32	2		O	N	FR	Technocentre	I	3
12-mars	AFNOR				S30A	O	N	FR	AFNOR	F	0,5
13-mars	CEN	301				O	O	BE	Bruxelles	I	1
13-mars	BNA				CN-32-GT3	O	O	FR	BNA	F	1
19-mars	AFNOR				NBF377	O	N	FR	AFNOR	F	1
19-mars	CEN	301		16		O	O	DE	Karlsruhe	I	1
20-mars	ISO	22	31	2		N	N	FR	Technocentre	I	3
21-mars	AFNOR				COS15	O	N	FR	AFNOR	F	0,5
2-avr	ISO	22	31			O	N	FR	ZOOM	I	1
16-avr	BNA				CN-22	O	O	FR	BNA	F	1
16-avr	ISO	22	38	3		N	N	?	?	I	2
mai ?	ISO	22	38			N	N	?	?	I	1
13-mai	BNA				CN-38	O	O	FR	Suresnes	F	0,5
13-mai	ISO	22	32	3		O	O	ESP	Barcelone	I	3
20-mai	CEN	239		1		N	N	FI	Helsinki	I	2
21-mai	AFNOR				Réunion des BNs	O	N	FR	AFNOR	F	0,5
21-mai	BNA				CN-36	O	O	FR	BNA	F	0,5
juin ?	ISO	22	41			N	N	?	?	I	1
3-7-juin	ISO	22	36			O	O	UK	BSI	I	5

DATES	STRUCTURE					Partic BNA	Secr. BNA	Pays	Lieu	Int. ou Fra / I/F	J Nb Jours réunion
	ISO/CEN/ BNA	TC	SC	GT	a/h TF						
3-7-juin ?	ISO	22	38	1		N	N	I	?	I	1
3-7-juin ?	ISO	22	38	2		N	N	I	?	I	1
3-7-juin ?	ISO	22	38	5		N	N	I	?	I	1
6-juin	AFNOR				Réunion des BNs	O	N	FR	AFNOR	F	0,5
6-juin	AFNOR				CoS SST	O	N	FR	AFNOR	F	0,5
18-juin	ISO	22				O	N	USA	Troy	I	2
19-juin	ISO	22			SAG meeting	O	O	USA	Troy	I	0,5
20-juin	ISO	22			Plénière	O	O	USA	Troy	I	2
20-juin	AFNOR				COS15	O	N	FR	AFNOR	F	0,5
24-juin	ISO	22	31	6		O	O	SP/DE ?	Villarde/Lippstadt ?	I	2
24-juin	ISO	149	1	15		O	N	JP	Tokyo	I	2
26-juin	ISO	149	1	16		O	O	JP	Tokyo	I	1
27-juin	ISO	149	1	13		O	N	JP	Tokyo	I	1
28-juin	ISO	149	1			O	N	JP	Tokyo	I	0,75
28-juin	ISO	149				O	N	JP	Tokyo	I	0,25
1-juil	ISO	43	1	42		?	N	FR/DE ?	?	I	2
1-juil	ISO	43	1	42	GH10844	O	O	FR/DE ?	?	I	1,5
5-sept	AFNOR				Réunion des BNs	O	N	FR	AFNOR	F	0,5
24-sept	AFNOR				Réunion des BNs	O	N	FR	Audio	F	0,2
8-11-oct	ISO	22	34		WGs puis SC34	?	N	IT	Milan	I	1
10-oct	AFNOR				CoS SST	O	N	FR	AFNOR	F	0,5
17-oct	AFNOR				COS15	O	N	FR	AFNOR	F	0,5
30-oct	ISO	43	1	42		?	N	USA	Detroit	I	4
5-nov	AFNOR				Réunion des BNs	O	N	FR	AFNOR	F	0,5
26-nov	CEN	239	1			N	N	?	?	I	1,5
27-nov	CEN	239				N	N	?	?	I	0,5