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**Road vehicles — Open Test
sequence eXchange format (OTX) —**

Part 4:

**Expanded extensions interface
definition**

*Véhicules routiers — Format public d'échange de séquence-
tests (OTX) —*

Partie 4: Définition de l'interface des extensions étendues

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 22, Road vehicles, Subcommittee SC 31, Data communication.

This second edition cancels and replaces the first edition (ISO 13209-4:2021), which has been technically revised.

The main changes are as follows:

- **ComInterface** extension: added ability to select interfaces and control security access for DoIP, harmonized order of the **ConnectionStates** enumeration;
- **DataType** extension: added initialization of Structures, StructureLiterals and addition of MIME types for Resource Locations;
- **DiagComPlus** extension: added terms to access timestamps for Requests and Responses, and support of Inline-Mapping outside of diagnostic services. Harmonized order of the **ComChannelState** enumeration;
- **DiagDataBrowsingPlus** extension: **IsDiagTroubleCodeParameter** term added;
- **EcuConfiguration** extension: completely re-designed for a more generic approach to accessing configuration data;
- **FlashPlus** extension: new action **TransferSegment** added;
- **Util** extension: new term **EscapeToRegularExpression** added;
- **StateVariable** extension: state variables modified from Write-only to No-reading across documents. The whole extension is DEPRECATED!
- **XML** extension: New Action **ValidateXMLFromByteField** added;
- Correction and clarification of the documentation text in all extensions.

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This edition is not backward compatible with the previous one, because terms are deleted and term parameters are modified.

The incompatible changes are as follows:

- **ExternalServiceProvider** extension: parameter **providerType** added to **GetServiceProviderFromEvent**, to ensure type safety.

Additionally the following new extensions are introduced:

- **Range;**
- **EcuStateChart.**

A list of all parts in the ISO 13209 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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