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Road vehicles — Extended vehicle (ExVe) methodology

Part 3: Upstream process to develop services

bsi.

National foreword

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
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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.

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Introduction

There is a need to facilitate starting a process of requesting data and functions from the various interfaces of the extended vehicle as defined in ISO 20077-1.

It is indeed useful to help any requesting party to quickly find the right way to express their needs towards the right place or the right resource provider without wasting time due to the multiplicity of providers.

This document is intended to facilitate the communication process between independent stakeholders and vehicle manufacturers (VMs), whereby service providers (SPs) seek to acquire data for the purpose of developing services.

The proposed process and template aim at helping to initiate a request by independent stakeholders and/or SPs for data and functions made available by the VMs or their offering parties.

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Technical Specification **ISO/TS 20077-3:2024(en)**

Road vehicles — Extended vehicle (ExVe) methodology —

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1 Scope

This document describes the process to initiate and facilitate the communication between independent stakeholders and vehicle manufacturers (VMs), whereby service providers (SPs) express the intention to obtain data and functions access from the ExVe interfaces for the purpose of developing services. Data and functions of the vehicle are basic information that are key for the development of services for the vehicle owner, driver, and user. Vehicle data and functions, in this context, comprises onboard, offboard or a combination of the two.

This document, in conjunction with ISO 20077-1 and ISO 20077-2, describes the full process for the provision of data and functions access from the ExVe interfaces between the SP and the VM.

All the situations where requested data and functions are dedicated to internal development and design or product quality improvements from the VMs' and suppliers' side, when they are not acting as service providers, are excluded from this document. Also, commercial aspects are out of the scope of this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
extended vehicle
entity, still in accordance with the specifications of the *vehicle manufacturer (VM)* (3.5), that extends beyond the physical boundaries of the road vehicle and consists of the road vehicle, off-board systems, external interfaces, and the data communication between the road-vehicle and the off-board systems

Note 1 to entry: Road vehicles without off-board systems and road vehicles equipped with telematics units are extended vehicles.

Note 2 to entry: When referring to VM in this document, VM is not acting as a *service provider* (3.4) designer.

[SOURCE: ISO 20077-1:2017, 3.5, modified — Note 2 to entry added.]

3.2
supplier
entity that provides parts, products, materials, and services

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