



**BSI Standards Publication**

## **Road vehicles — Extended vehicle (ExVe) web services**

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Part 4: Control

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## National foreword

This Published Document is the UK implementation of ISO/TR 20078-4:2021. It supersedes PD ISO/TR 20078-4:2019, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/16, Data Communication (Road Vehicles).

A list of organizations represented on this committee can be obtained on request to its committee manager.

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ISBN 978 0 539 12335 7

ICS 43.040.15

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 October 2021.

### Amendments/corrigenda issued since publication

Date	Text affected
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Second edition  
2021-10-11

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## Road vehicles — Extended vehicle (ExVe) web services —

### Part 4: Control

*Véhicules routiers — Web services du véhicule étendu (ExVe) —  
Partie 4: Contrôle*



Reference number  
ISO/TR 20078-4:2021(E)

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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 documents 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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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/TR 20078-4:2019), which has been technically revised.

The main changes are as follows:

- revised the clause containers;
- added new subclause describing push of resources (5.4.3).

A list of all parts in the ISO 20078 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](http://www.iso.org/members.html).

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# Road vehicles — Extended vehicle (ExVe) web services —

## Part 4: Control

### 1 Scope

This document describes the processes of an offering party's implementation to provide (ISO 20078-2) access-controlled (ISO 20078-3) resources (ISO 20078-1) to accessing parties. The processes are summarized as: registration of different stakeholder as well as granting, denying and revoking of access to resources. Those processes are held as examples of combining ISO 20078-1, ISO 20078-2 and ISO 20078-3 and can vary depending on the actual implementation of the offering party.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 20078-1, *Road vehicles — Extended vehicle (ExVe) web services — Part 1: Content and definitions*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 20078-1 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/>

### 4 Roles

#### 4.1 Resource owner

##### 4.1.1 Resources

The resource owner is in control of the access to its resources. To control access, the resource owner uses the processes: granting, denying, ignoring and revoking.