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**ISO/PAS 25090**

**Road vehicles — Software  
update engineering — Vehicle  
configuration information**

*Véhicules routiers — Ingénierie de mise à jour du logiciel —  
Informations sur la configuration des véhicules*

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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)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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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 32, *Electrical and electronic components and general system aspects*.

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).

## Introduction

ISO 24089 requires the use of vehicle configuration information when performing software update engineering activities. Vehicle configuration information is essential for software update engineering.

ISO 24089 does not define elements of vehicle configuration information or describe any relationships between such elements. ISO 24089 does not mention how to determine relevant vehicle configuration information for a given software update engineering activity.

This document extends ISO 24089 by providing:

- definitions of elements of vehicle configuration information;
- relationships between elements;
- selection of relevant vehicle configuration information;
- examples of usage of elements of vehicle configuration information.

This document will also facilitate communications about software update engineering activities that involve vehicle configuration information throughout the supply chain.

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# Road vehicles — Software update engineering — Vehicle configuration information

## 1 Scope

This document provides guidance on how to determine the relevant vehicle configuration information for software update engineering according to ISO 24089. This document contains definitions of elements of vehicle configuration information, relationships between such elements and examples of usage.

This document does not prescribe formats for elements of vehicle configuration information or how such information can be collected, stored and exchanged.

## 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 24089, *Road vehicles — Software update engineering*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 24089 and the following 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 General terminology

#### 3.1.1

##### **hardware**

material physical part of a vehicle system

[SOURCE: NIST Special Publication 800-53 rev 5, modified — Term "vehicle" has been added and term "component" has been deleted.]

#### 3.1.2

##### **relevant VCI**

relevant vehicle configuration information

subset of *vehicle configuration information* (3.1.3) necessary to conform to ISO 24089 and this document during a specific software update campaign

#### 3.1.3

##### **vehicle configuration information**

##### **VCI**

comprehensive accounting of hardware versions, software versions and configuration parameters in a vehicle

[SOURCE: ISO 24089:2023, 3.1.24, modified — The preferred term "VCI" has been added.]