

ICS 65.060.01
CCS B 90



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45784.1-2025

**Agricultural vehicles - Standardized access to repair and
maintenance information (RMI) - Part 1: User interface
requirements for web-based information systems**

农业车辆 维修保养信息的标准接口 第1部分：基于Web的用户界面要求
(English Translation)

Issued on: May 30, 2025

Implemented on: December 1, 2025

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Preface
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 General
5 General requirements and basic principles
6 Use Case Definition
7 Technical requirements
Appendix A (Informative) Conformance Procedure

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is part 1 of GB/T 45784 "Standard interface for maintenance information of agricultural vehicles". GB/T 45784 has been published the following parts.

--- Part 1: Web-based user interface requirements;

--- Part 2: On-board diagnostics.

This document is equivalent to ISO 22172-1:2020 "Standard interface for agricultural vehicle maintenance information - Part 1: Web-based User Interface Requirements for

Introduction

GB/T 45784 mainly involves the technical requirements of the standard interface for agricultural vehicle maintenance information, including agricultural vehicle maintenance information Overall requirements for standard interfaces and hardware and software requirements for on-board diagnostics.

GB/T 45784 is intended to consist of two parts.

--- Part 1: Web-based user interface requirements. The purpose is to specify the general requirements of the standard interface for agricultural vehicle maintenance information.

Requirements, basic principles, use case definition, technical requirements.

--- Part 2: On-board diagnostics. The purpose is to specify the minimum hardware and software requirements for on-board diagnostics and provide the hardware of the diagnostic tool and software specifications.

Standard interface for agricultural vehicle maintenance information Part 1: Web-based user interface requirements

1 Scope

This document specifies the general requirements and basic principles, use case definitions, technical specifications, and interface specifications for the Agricultural and Forestry Vehicle Maintenance Information (RMI) system.

Technical requirements.

Appendix A contains the conformance procedures for ensuring that such information systems comply with the requirements specified in this document.

This document applies to agricultural and forestry vehicle maintenance information systems established by manufacturers.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

forestry-Basictypes-Vocabulary) Note. GB/T 41679-2022 Vocabulary of basic types of tractors and machinery for agriculture and forestry (ISO 12934:2013, IDT)

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in ISO 12934 and the following apply.

accesslevel

Access level one of the RMI (3.21).

NOTE This document defines two levels of access, one for access to security-related RMI (3.2.1) and one for access to non-security-related RMI (3.2.1).

Accessories

The functions and parts selected by the owner before leaving the factory are supplemented

to enhance the vehicle's safety, performance, comfort, etc., and their installation does not affect Factory approval of the vehicle.

Authorized repairer authorizedrepairer;AR Supplier of repair and maintenance services for agricultural vehicles in operation within the distribution system established by VM (3.28).

component

A device that is subject to licensing or any other relevant regulations is part of the vehicle and can be licensed independently of the vehicle.

A numeric or alphanumeric identifier that identifies or labels a fault.