

# ISO 22172-1:2020 (E)

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

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	General
5	General information and basic principles
5.1	General information
5.2	Basic principles
5.2.1	General
5.2.2	Basic principles for use case definition
5.2.3	Basic principles for requirements definition
5.2.4	Basic principles for functional user interface requirements definition
5.3	Use case clusters
5.4	Requirements clusters
6	Use cases
6.1	UC 1 User authentication, authorization and administration
6.1.1	UC 1.1 Register IO for use of the VM's RMI system
6.1.2	UC 1.2 Maintain IO's status
6.1.3	UC 1.3 Request to de-register IO
6.1.4	UC 1.4 Login to VM's RMI system
6.2	UC 2 Payment for RMI
6.3	UC 3 Vehicle identification
6.3.1	UC 3.1 Vehicle identification through use of the VI or model or serial number
6.3.2	UC 3.2 vehicle type identification via product features or term
6.4	UC 4 Provide selection methods for RMI
6.4.1	UC 4.1 Select information type
6.4.2	UC 4.2 Navigate using product structure
6.4.3	UC 4.3 Select by document identifier
6.5	UC 5 Retrieve information packages
6.5.1	UC 5.1 Workshop procedures
6.5.2	UC 5.2 Wiring and hydraulic diagrams
6.5.3	UC 5.3 Technical service bulletin
6.5.4	UC 5.4 Recall announcement
6.5.5	UC 5.5 Maintenance schedule
6.5.6	UC 5.6 Spare parts (identification)
6.5.7	UC 5.7 Labour times
6.5.8	UC 5.8 Special tools
6.5.9	UC 5.9 Safety related information multi-stage vehicles
6.6	UC 6 Electronic maintenance history
6.7	UC 7 Request contact for specific RMI
6.7.1	UC 7.1 Redistributors
6.7.2	UC 7.2 Republishers
6.8	UC 8 Courses and training information
6.9	UC 9 Vehicle diagnostics

- 6.9.1 UC 9.1 DTC resolution
- 6.9.2 UC 9.2 VM symptom resolution

**7 Technical requirements**

- 7.1 Requirements cluster 1 — Access-related data administration
  - 7.1.1 Administration of IO's data by the VM or the redistributor
    - 7.1.1.1 [TREQ-1] Administration of IO's data by the VM
    - 7.1.1.2 [TREQ-2] Administration of payment data by the VM or VM representative
  - 7.1.2 [TREQ-3] Administration of access event data by the VM
  - 7.1.3 [TREQ-4] General access-related data administration
- 7.2 Requirements cluster 2 — Technical infrastructure
  - 7.2.1 [TREQ-5] Presentation formats for information packages
  - 7.2.2 [TREQ-6] Internet connection
- 7.3 Requirements cluster 3 — Operations
  - 7.3.1 [TREQ-7] VM's RMI system availability time
  - 7.3.2 [TREQ-8] Support for the usage of the VM's RMI system
  - 7.3.3 [TREQ-9] Operation of the IO's PC

**Annex A (informative) Conformance procedures**

Page count: 23