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

GB/T 35381.11-2017

**Tractors and machinery for agricultural and forestry -- Serial
control and communications data network -- Part 11: Mobile
data element dictionary**

农林拖拉机和机械 串行控制和通信数据网络 第11部分：数据元字典
(English Translation)

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Foreword

GB/T 35381 "agriculture and forestry tractors and machinery serial control and communication data network" is divided into the following 14 parts.

- Part 1. General standards for data communications;
- Part 2. Physical layer;
- Part 3. Data link layer;
- Part 4. Network layer;
- Part 5. Network Management;
- Part 6. Virtual terminal;
- Part 7. Machine information application layer;
- Part 8. Powertrain news;
- Part 9. Tractor ECU;
- Part 10. Task controller and management information system data exchange;
- Part 11. Data yuan dictionary;
- Part 12. Diagnostic Services;
- Part 13. File Server;
- Part 14. Sequence control.

This section GB/T 35381 Part 11.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 11783-11:2011 "agriculture and forestry tractors and machinery Serial Control and Communication Data Network Part 11. Data Element Dictionary.

The documents of our country that are in conformity with the corresponding international documents that are normative references in this part are as follows.

--- GB/T 35381.1-2017 Tractors and machinery for agriculture and forestry - Serial control and communication data networks - Part 1. Data communications Common Criteria (ISO 11783-1:2007, IDT) this part is proposed by China Machinery Industry Federation.

This part of the National Agricultural Machinery Standardization Technical Committee (SAC/TC201) centralized.

This section drafted by. China Agricultural Mechanization Institute of Science and Technology, Luoyang Xiyuan Vehicle and Power Testing Co., Ltd., Henan Science and Technology Science, Shandong Academy of Agricultural Machinery Science.

1 Scope

GB/T 35381 provides for agriculture and forestry tractors and suspension, semi-suspension, traction or self-propelled equipment, serial control and communication data network, its purpose is to standardize the methods and formats of data transfer between sensors, actuators, control elements, information storage and display units, these devices Standard on or on tractors or suspension equipment. GB/T 35381 provisions of this part of ISO 11783-10 involved in the number According to the identifier of the data element in the information processing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 11783-1 Tractors and machinery for agriculture and forestry - Serial control and communication data networks - Part 1. General standards for data communications (Tractorsandmachineryforagricultureandforestry-Serialcontrolandcommunicationsatanet-work-Part 1. Generalstandardformobiledatacommunication) ISO 11783-10 Tractors and machinery for agriculture and forestry - Serial control and communication data network - Part 10. Mission controllers and management information Information System Data Exchange (Tractorsandmachineryforagricultureandforestry-Serialcontrolandcommunica-tionsdatanetwork-Part 10. Taskcontrol and information management system information update)

3 Terms and definitions

Terms and definitions as defined in ISO 11783-1 apply to this document.

4.1 General

According to ISO 11783-10, the variable data to be sent in the process data message shall be defined in the ISO BUS data dictionary, See ISO BUS website terms and conditions 2.

Note: This online database is maintained by the VDMA (German Engineering Federation), the designated maintenance organization for ISO Technical Management. Its database in the ISO BUS network

4.2 Definition of process data elements

The definition of the process data element describes the following attributes.

- identifier number;
- Process data elements of the definition;