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ICS 29.280
CCS S35

TB

RAILWAY INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

TB/T 3116-2005

Information Transmission over Trainbus

列车总线上的信息传送

(English Translation)

Issued on: June 27, 2005 **Implemented on: December 1, 2005**

Issued by: National Railway Administration

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1 Foreword

TB/T 3116-2005 was issued by National Railway Administration on 27 June 2005 and has been in force since 1 December 2005.

The TB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 18 pages in English translation.

2 Scope Preview

This standard specifies the data transfer on the bus train hardware environment, should be sent via train bus packets of information content and structure. These types of information can be either from the formation of a vehicle train (or cell) to the same train of one or more of the other vehicles (or cell). This standard specifies the process data packets R (1) (by the operating vehicles issued), R (2) (a non-operational vehicles issued) and R (3) (passenger information), while the message data packet header also make the regulations. This standard applies to equipment with T-Train Communication Network (TCN) of the passenger train, you can be the first (last) for the motor car, in the middle of multiple trailer power centralized EMU, it can be from a few sections motor car and trailer form a unit, then unit constituted by several train power distributed EMU.

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TB/T 3116-2005 falls under ICS 29.280, in the field of electrical engineering.

This catalogue holds 63 other TB/T standards in that field.

In this catalogue, TB/T standards carry edition years from 1973 to 2026.

3 About this standard

Sector: Railway & Train Industry Standard (Recommended)

Issued by: National Railway Administration

English translation: about 18 pages (approximate)

Chinese original: about 27,263 characters

4 Related standards

Standards on related subjects:

GB/T 6770-2020 - Special safety regulations for driver's cabs of locomotives

GB/T 21561.3-2016 - Railway applications - Rolling stock pantographs characteristics and tests - Part 3: Interface between pantograph and rolling stock for mainline vehicles

TB/T 2765.2-2015 - Training Monitoring Device - Part 2: Recording

TB/T 3603-2025 - Railway signalling relays - Programmable time relay

TB/T 3602-2025 - Centralized signaling monitoring system

TB/T 3333-2025 - Driver's cab equipment - Technical conditions of vigilance devices

5 Classification and status

International classification (ICS): 29.280

Chinese Standard Classification (CCS): S 35

Prefix TB/T: recommended standard.

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