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

**GB/T 11885-2015**

Replacing GB/T 11885-1999

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**Automatic rail-weighbridges**

自动轨道衡

**(English Translation)**

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## Foreword

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

This standard replaces GB/T 11885-1999 "Automatic Railway Track Scale." this standard compared with GB/T 11885-1999, the main technical changes are as follows.

- The maximum permissible error measurement requirements change (see 4.5);
- Refine the weighbridge installation requirements (see 5.19);
- Increasing the specific requirements of the line and the scale housing (see 5.19.3 and 5.20);
- Increasing the weighbridge software technical requirements (see 5.21);
- An increase of some test requirements (see 6.2 6.6,6.10 ~ ~ 6.14,6.18);
- Of test items have been classified (see 7.2);
- Increased testing methods installed (see 7.3).

This standard uses redrafted Law Amendment uses OIMLR106-1.2011 "Automatic Railway Track Scale" international recommendations.

This standard R106-1.2011 technical differences and their reasons are as follows.

- Increased 5.19.3 "line" and 5.19.4 "transition" on the specific requirements, improve the measurement performance track scale;
- An increase of 5.20 "weighing room" at the request of track scale operation and maintenance more convenient;
- 6.16 "Dynamic Weighing test" prepared in accordance with Test Method of testing wagons prepared to adapt our test methods;
- An increase of 6.18 "long-term stability" to improve the performance measurement track scale;
- 7.1 "type test" in the preparation of type approval and in accordance with the requirements of type evaluation, adaptation of the relevant provisions of China;
- Remove R106-1. B "axis weighing track scale level correction utility" 2011 Appendix NA of railroad track scale technology development;
- Increased in Chapter 2, normative references.

This standard made the following editorial changes.

- Use the "standard" instead of "the present international recommendations." Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

The standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee instrument (SAC/TC97) centralized.

This standard was drafted. Maple Scale Co., Ltd. Changsha, the state railway scale metering station, Admiralty Jinan electronic weighing Co., National Track Scale Metering Station sub-station Shanghai, Beijing, the new cross-technology development company, the national railway scale metering station sub-station in Lanzhou, Beijing Haidian Road New technology through joint development of the railway company.

## 1 Scope

This standard specifies automatic weighbridge (hereinafter referred to as "track scale") terms and definitions, measurement requirements, technical requirements, testing and inspection party Method, inspection rules and signs, packaging, transportation and storage.

This standard applies to standard gauge, to determine the quality of railway wagons by rail

scale dynamic weighing mode (including axle weighing, truck weighing and vehicle weighing). Other gauge, weighing range and accuracy class rail scale may refer to the use of this standard; continuously tracks automatically track scale, rail pad Automatic sensor automatic sensor rail track scale and weighbridge may also refer to the use of this standard.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780:1997, MOD) GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold (IEC 60068-2-1:2007, IDT) GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat (IEC 60068-2-2:2007, IDT) GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test (IEC 60068-2-78:2001, IDT) GB/T 2424.1-2005 Environmental testing for electric and electronic products of high temperature and low temperature tests (IEC 60068-3-1. 1974, IDT) GB/T 2424.2-2005 Environmental testing for electric and electronic products for damp heat tests (IEC 60068-3-4:2001, IDT) GB/T 2887-2011 General specification for computer sites GB/T 2970 steel plate ultrasonic inspection GB/T 3323 metal fusion welded joints radiography (GB/T 3323-2005, EN1435:1997, MOD) GB/T 5677 Steel Castings radiographic testing (GB/T 5677-2007, ISO 4993. 1987, IDT) GB/T 7233.1 steel castings Ultrasonic examination - Part 1. General Purpose Steel Castings (GB/T 7233.1-2009, ISO 4992-1:2006, MOD) GB/T 7233.2 steel castings Ultrasonic examination - Part 2. High pressure cast steel (GB/T 7233.2-2010, ISO 4992-2.

2006, MOD)

GB/T 7551 load cell (GB/T 7551-2008, OIMLR60.2000, MOD) GB/T 7724 Electronic weighing instruments GB/T 8170 repair value expressed about the rules and limit values \u200b\u200band judgment GB/T 8923.1-2011 steel substrates before application of paints and Visual assessment of surface cleanliness - Part 1. uncoated Steel surface and the overall removal Rust grades and grade of the original steel surface after coating (ISO 8501-1:2007, IDT) GB/T 11345 welds NDT ultrasonic testing, levels and assessment (GB/T 11345-2013, ISO 17640:2010, MOD) GB/T 13384 mechanical and electrical products packaging General technical conditions GB 14249.1 electronic weighing security requirements