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

GB/T 5914.1-2015

Drivers cab for locomotives -- Part 1: Visibility conditions

机车司机室 第1部分：瞭望条件

(English Translation)

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Foreword

GB/T 5914, Driver's Cab for Locomotives, is divided into two parts.

-- Part 1. Visibility Conditions;

-- Part 2. Position of Front and Side Windows and Other Windows for Driver's Cabs of Locomotives.

This Part is the first part of GB/T 5914.

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

This Part partly replaces GB 5914.1-2000, Visibility Conditions for Driver's Cabs of Locomotives. Compared with GB 5914.1-2000, the major technical changes are as follows.

-- it changes the nature of the standard from a national compulsory standard to a national voluntary standard;

-- it modifies the application scope and deletes "multiple units and new stock used on international services" (see Article 1; Article 1 of GB 5914.1-2000);

-- it adds the normative references, GB/T 10000 and GB/T 12985 (see Article 2 and 3.2.2);

-- it deletes that "multiple units shall also carry two thirds of rated load" (see GB 5914.1-2000, 3.1.2);

-- it deletes "or multiple units" in GB 5914.1-2000 (see 5914.1-2000, 3.2.1);

-- it modifies the requirements and illustration for the reference position of the driver's eyes (see 3.2.2; GB 5914.1-2000, 3.2.2);

-- it modifies the visibility requirements for high signals, changing the position requirements from "10 m or more" into "10 m and more" (see 4.1; GB 5914.1-2000, 4.1);

-- it modifies the visibility requirements for low signals, changing the position requirements from "within 15 m" into "15 m and more" (see 4.2; GB 5914.1-2000, 4.2).

This Part was redrafted by referring to UIC 617-7.1964, Regulations Concerning Conditions of Visibility from Driving Compartments of Electric Powered Stock, and UIC 625-6.1963, Regulations Concerning Conditions of Visibility from Driving Compartments of Combustion-engined Powered Stock; this Part is non-equivalent to UIC 617-7.1964 and UIC 625-6.1963.

Driver's Cab for Locomotives - Part 1. Visibility Conditions

1 Application Scope

This Part specifies conditions of visibility for each running direction along straight track and on curves with a radius of not less than 300 m.

This Part applies to driver's cab of electric locomotives and combustion-engined locomotives; this Part does not apply to driver's cab of shunting locomotives.

This Part can work as a reference for other rolling stock having a driver's cab.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition dated applies to this document. For undated references, the latest edition of the referenced documents (including all amendments) applies to this Part.

GB/T 6769, Regulations Governing the Layout of Drivers Cabs of Locomotives

GB/T 10000, Human Dimensions of Chinese Adults

GB/T 12985, General Rules of Using Percentiles of the Body Dimensions for Products Design

3 Reference Positions for Conditions of

Implementation

3.1.1 Horizontally

On straight track, the locomotive's longitudinal axis coincides with the centre of the track.

On curved tracks, the locomotive shall be taken as in the position where its longitudinal axis is perpendicular to the radius of the curve and the perpendicular point is the central point of its longitudinal axis.

3.1.2 Vertically

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