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**Verification Regulation of Wheel-Checker for Railway
Locomotives and Vehicles
(English Translation)**

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Introduction

This procedure is based on the TB/T 2597-2005 "railway rolling stock wheels Inspector" and "Railway transport EMU Servicing procedures "(Beijing. China Railway Publishing House, 2007, p. 1) established.

This procedure was first formulated.

Railway Locomotive wheel inspector verification procedures

1 Scope

The order applies to railway rolling stock wheel inspector (hereinafter referred to as the inspector) initial verification, subsequent verification and the use of checks.

2 Overview

Check the thickness of the rim is mainly used for direct or indirect (such as contour method) locomotives, vehicles and EMU wheels Degrees, the tread wear depth, EMU wheel QR values or rolling stock vertical wheel flange wear, abrasion and local Tread Depression depth, rims (tire) Thickness, tread peeling length. Inspector Inspector divided locomotive wheels, vehicle car Check the wheel and the wheel EMU checker three, the structure diagram in Appendix A. Display device may be cursor and type Digital.

NOTE: QR rim thickness measurement value is the point to the top of the rim at the level of the inside edge down to 2mm distance.

3 metering performance requirements

3.1 Measuring range

Inspector of each measurement scale measurement range should meet the requirements of Table 1.

Table 1 inspector measurement scale measurement range Unit. mm

Measurements	Inspector Type	Measurement Range	Flange thickness	Check locomotive wheels
22 to 37	Check the vehicle wheels	20 to 35	EMU wheel inspector	20 to 37
Rim height	Check locomotive wheels	25 to 40	Check the vehicle wheels	24 to 38
EMU wheel inspector	25 to 40	QR values	EMU wheel inspector	3 to 13
Rim (hoop) Thickness	Check locomotive wheels	38 to 95	Check the vehicle wheels	22 to 70

3.2 Face surface roughness Surface roughness R_a of the upper face of each inspector is $1.6\mu\text{m}$.

3.3 scale mark width Vernier and main scale mark width of $0.12\text{mm} \sim 0.20\text{mm}$, other scale marks width of $0.12\text{mm} \sim 0.25\text{mm}$; variety of scale marks the difference in width should be less than 0.05mm .

3.4 vernier label side edge to the distance between the surface of the main scale marks Vernier label side edge between the main scale marks to surface distance should be no more than 0.3mm .