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**RAILWAY INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

TB/T 3396.6-2015

**Test methods for fastening systems of high-speed railway - Part
6: Effect of severe environmental conditions
(English Translation)**

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Foreword

TB/T 3396 Test Methods for Fastening Systems of High-Speed Railway consists of the following 7 parts:

- Part 1: Determination of Longitudinal Rail Restraint;
- Part 2: Determination for Clamping Force;
- Part 3: Determination of Static Stiffness for Fastening Assembly;
- Part 4: Test of Fatigue Performance of Fastening Assembly;
- Part 5: Determination of Electrical Resistance;
- Part 6: Effect of Severe Environmental Conditions;
- Part 7: Vertical Load Test for Cast-in Fastening Components.

This Part is Part 6 of TB/T 3396.

This Part was drafted as per the rules specified in GB/T 1.1-2009.

This Part shall be under the jurisdiction of Institute of Standards and Metrology, China Academy of Railway Sciences.

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Test Methods for Fastening Systems of High-Speed

Railway - Part 6: Effect of Severe Environmental Conditions

1 Scope

This Part specifies the indoor test method for the effect of severe environmental conditions on

the assembly of fasteners.

This Part applies to fastening systems for high-speed railway.

2 Normative References

The following documents are essential to the application of this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the

undated documents, only the latest version (including all the amendments) is applicable to this

Document.

GB/T 10125 Corrosion tests in artificial atmospheres - Salt spray tests

3 Principle

Place the complete assembly of fasteners in a salt spray environment; and check the convenience and status of the disassembly and reassembly of each component.

4.1 Rail

A section of short rail about 0.3m in length with the same cross-section as the rail for assembly

of the fastener under test.

4.2 Salt spraying equipment

Salt spraying equipment shall meet the requirements of neutral salt spray test in GB/T 10125.

4.3 Installation tool

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