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

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**Mechanical testing of metals -- Symbols and definitions in
published standard**

金属力学性能试验 出版标准中的符号及定义

(English Translation)

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Foreword

This revised standard adopts ISO/T R25679.2005 "published by the mechanical properties of the metal test standard symbols and terminology" (in English).

The standard ISO/T R25679.2005 made the following changes and additions.

--- Original 21 international draft (DIS or FDIS) standard into the formal release of the new international standards, and its contents according to the new international standard Quasi been modified, and remove the eight international standards which have been abolished.

--- An increase of nine international standards in the latest release of the symbols and definitions.

--- For additional standard gives the corresponding code.

--- Added Appendix B "of this standard reg number and ISO/T R25679.2005 reg number control list." for ease of use, this standard made the following editorial changes.

--- The "this International Standard" be replaced by "this standard";

--- With a decimal point instead of a comma as the decimal point, "";

--- Remove the foreword and introduction of international standards;

--- Chapter 3. Since the additional provisions, after the new number, the serial number of the original postponed.

Appendix A of this standard and Appendix B is an informative annex.

The standard proposed by China Iron and Steel Association.

This standard is under the jurisdiction of the National Steel Standardization Technical Committee.

This standard was drafted. Metallurgical Industry Information Standards Institute, Steel Research Institute, Changchun Institute of test machine.

1 Scope

This standard specifies the terms, symbols and definitions of metal materials, mechanical test methods used in publishing standards. Symbols and compiled in alphabetical order Code indexing system. Appendix A gives additional information coding system with relevant international standard number control.

2 Name System

To help with the indexing and query symbol is defined by a code representing an experimental method. The first digit of the code-generation

Table International Organization for Standardization (ISO) Technical Committee 164 (ie, "metal mechanical testing" technical committee, ISO/T C164) of the sub-technology

Committee (responsible for the revision of the relevant international standard test methods for mechanical sub-technical committee, ISO/T C164/SC) number, the number behind Word in ascending order of each ISO international standard code or the draft international standard code. General test method involves sharing the same set of symbols and international standard definition is given a separate code. If there is going to replace the existing international standards and has come to the FDIS stage text Member is assigned to the existing international standards and FDIS document with a code. Metallic materials of various test methods and codes are shown in Table 1. Appendix A it gives a quick reference code control systems and the corresponding national standard index.

Table 1. Mechanical properties and test the code

Technical Committee test/inspection method code number of international standards SC1
 Metallic material uniaxial tensile creep rupture test and test methods 1.01 ISO 204:1997
 ISO/FDIS204.2008 Metallic material uniaxial testing machines standard dynamometer
 calibration 1.02 ISO 376:2004 High Temperature Tensile Testing Metal 1.03 ISO 783:1999
 Metallic materials at room temperature tensile test method Test 1.04 ISO 6892:1998
 ISO/FDIS6892-1.2008 Testing of metallic materials of static uniaxial testing machines - Part
 1. Tension (Or) test and calibration of pressure testing machine force measurement system
 1.05 ISO 7500-1:2004 Metallic material of static uniaxial testing machines - Part 2. Tensile
 creep Inspection of exerting force testing machine
 1.06 ISO 7500-2:2006 Metallic materials testing uniaxial extensometer calibration 1.07 ISO
 9513:1999 Tensile testing of metallic materials low 1.08 ISO 15579:2000 Tensile testing of
 metallic materials helium 1.09 ISO 19819:2004 Evaluation of superplastic metallic material
 of tensile properties 1.10 ISO 20032:2007 SC2 Metal material bending test 2.01 ISO
 7438:2005 Metallic material thickness of no more than 3mm sheet and strip repeated
 bending test 2.02 ISO 7799. 1985 Unidirectional metal material wire torsion test 2.03 ISO
 7800:2003 Metallic material wire repeated bending test 2.04 ISO 7801. 1984 metal material

wire winding test 2.05 ISO 7802. 1983