

ICS 03.100.30; 19.100
CCS J 04



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

GB/T 32080-2015

**Non-destructive testing -- Qualification of personnel for limited
application of non-destructive testing**

无损检测 有限应用无损检测的人员资格鉴定

(English Translation)

Issued on: October 9, 2015

Implemented on: June 1, 2016

Issued by: Standardization Administration of China

Table of Contents

Preface	
1 Scope	
2 Normative references	
3 Terms and definitions	
Responsibilities	2
5 3 Ability	
6 3 vision requirements	
7 Eligibility	
8 Exam	
Qualification	4
5 10 Extended	
11 5 Re-accreditation	
12 Item	
Appendix A (informative) Right practical examination part weight	

Foreword

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

This standard uses redrafted Law Amendment uses ISO 20807:2004 "limited application of non-destructive testing NDT personnel qualification Identification. " this standard and ISO 20807:2004 technical differences and their reasons are as follows.

--- On normative references, this standard has been adjusted specific technical differences, in order to adapt to China's technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- equivalents adoption of international standards GB/T 9445 instead of ISO 9712:1999 (see Chapter 1, Chapter 2 and Chapter 5);

- equivalents adoption of international standards GB/T 27024 replaces ISO/IEC 17024 (see Chapter 2 and 4.1.1).

--- Increased electromagnetic wire rope detection (see 1.1);

--- Remove the International Standard 1.4, this provision is not suitable for China's national conditions;

--- Remove the number of terms and definitions of international standards, as these terms have been defined in GB/T 9445 in;

--- Modify the "vision requirements" to be consistent (see 6.1) and GB/T 9445 7.4;

--- Remove the International Standard Annex A (informative) "training programs and capacity requirements for example." the standard non-destructive testing by the National Standardization Technical Committee (SAC/TC56) and focal points.

This standard was drafted. Shanghai Jinyi Detection Technology Co., Ltd., Shanghai - Friends Industrial Group Co., Ltd. Shanghai Meida new testing equipment Ltd., Shanghai Research Institute of Materials, Testing Equipment Co., Ltd. Suzhou New Mida, Shanghai Automation Equipment Co. bamboo Yang, Granville Chengbang of Detection Technology Limited.

Drafters of this standard. Shen Kaifeng, Zhang Yifeng, YU Bao Hong, Luo Yundong, Jinyu Fei, Zhao, Zhang Ying.

NDT limited application of non-destructive testing - Qualification

1 Scope

1.1

standard for non-destructive testing (NDT) application implemented is limited, repetitive or automation of testing personnel, the establishment of Personnel qualification system, for example.

- a) material of the eddy currents and electromagnetic separation;
- b) eddy current and electromagnetic detection of the manufacturing process tube products;
- c) direct ultrasonic testing the manufacturing process sheet;
- d) ultrasonic thickness measurement;
- e) detecting electromagnetic wire rope.

These Examples are not limited in the scope of the other qualification criteria may be covered.

1.2

This standard does not apply to magnetic particle testing (MT) or penetrant testing (PT).

Note: GB/T 9445 these methods provide sufficient flexibility to allow limited applications.

1.3

If the product standards, regulations, rules or regulations prescribed NDT personnel subject to the qualification, and detection properties are limited in scope or Automatic, then press

GB/T 9445 requirements for accreditation are inappropriate or excessive, according to the standards for accreditation can be filled Foot requirements.

1.4

This standard applies only to the requirements of NDT personnel qualification for special applications, not NDT and GB/T 9445 defined the like Level direct equivalent. However, it is recommended according to the standards of accreditation personnel, preferably by GB/T 9445 certified Level 2 or Level 3 NDT Working under the supervision of staff.

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 9445 NDT personnel qualification and certification GB/T 27024 Personnel Certification Conformity Assessment General requirements for bodies

3 Terms and Definitions

GB/T 9445 defined by the following terms and definitions apply to this document.

Questions examinationquestion Short answer Written examination papers, the candidate with the requirements of one or more sentences to answer, or answers to mathematical calculations.

Note: The short answer questions about the candidate may provide some guidance contained in the answer matters.

Written test examination; written NDT methods and principles involved in the examination process and procedures related to the candidate, regulations, standards and norms and other aspects of knowledge.