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CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

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Security techniques requirement for real-time database management system

实时数据库管理系统安全评价要求

(English Translation)

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Foreword

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

This standard is proposed and managed by the National Certification and Accreditation Administration.

This standard was drafted. China Cyber Security Review Technology and Certification Center, Information Industry Information Security Evaluation Center, Beijing Gonton Data Technology Co., Ltd.

Introduction

This standard specifies the security evaluation process, evaluation content and evaluation method of real-time database management system, and proposes real-time database management.

The system's functional requirements, safety requirements, guarantee requirements, basic quality assurance capability requirements, and product consistency check requirements, and the corresponding Evaluation method.

GB/T 18336-2015 provides basic standards for the design, development, and evaluation of safety of the evaluation object (TOE).

General requirements for information technology, security technology, and information security technology security assessments. This standard refers to GB/T 18336-2015, combining real-time the specific characteristics of the database management system, select some components in the security function requirements of GB/T 18336.2-2015 Evaluation content; select all components of EAL2 level in GB/T 18336.3-2015 security assurance requirements as the evaluation content of security requirements.

The significance of the development of this standard is that it is conducive to certification agencies, testing agencies to test, evaluate and certify real-time database management systems it is also beneficial for enterprises to refer to when designing and implementing a real-time database management system.

Requirements for security evaluation of real-time database management systems

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1 Scope

This standard specifies the evaluation process, evaluation content and evaluation method of the real-time database management system.

This standard is applicable to the testing, evaluation and certification of real-time database management systems, as well as the development of real-time database management systems.

and produce.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 18336-2015 (all parts) Information technology security technology Information technology security evaluation criteria GB/T 25069 Information Security Technical Terminology

3.1 Terms and definitions

The terms and definitions defined in GB/T 18336-2015 and GB/T 25069 as well as the following terms apply to this document.

3.1.1

Real-timedata

The data information delivered immediately after collection, the information provided has a certain timeliness.

3.1.2

Historical data

The archived or recorded information is stored for long-term access at any time.

3.1.3

Futuredata

The time stamp is later than the data generated by the current system time of the server where the real-time database is located.

3.1.4

Tags

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