Chinastandards.org

ICS 35.040

GM

GM/T 0059-2018

Cryptographic server test specifications

服务器密码机检测规范

(English Translation)

Issued by: State Administration of Cryptography

Preview: page 1 of 3 shown, 23 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0059-2018

Chinastandards.org

Table of Contents

1 Scope
2 Normative references
3 Terms and definitions
4 Abbreviations
5 Requirements of testing environment
5.1 Routine testing environment
5.2 Cross-network testing environment
6 Testing content
6.1 Overview
6.2 Inspection of device appearance and structure
6.3 Inspection of device's management function
6.4 Testing of device state
6.5 Testing of device self-test
6.6 Testing of device's configuration management
6.7 Testing of device's key management
6.8 Testing of correctness and consistency of device's cryptographic algorithm
6.9 Testing of device's random number quality
6.10 Testing of device's application interface
6.11 Testing of device's remote management interface
6.12 Testing of device access control
6.13 Testing of device logging
6.14 Testing of device performance
6.15 Testing of device's network adaptability
6.16 Testing of device security
6.17 Testing of device's environmental adaptability
6.18 Testing of device reliability
7 Technical requirements for document-for-inspection

1 Foreword

GM/T 0059-2018 was issued by State Administration of Cryptography on 2 May 2018.

The GM/T prefix marks a recommended standard. It is not law in itself: it becomes binding

Preview: page 2 of 3 shown, 23 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0059-2018

when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 23 pages in English translation.

2 Scope Preview

GM/T 0059-2018 falls under ICS 35.040, in the field of information technology.

This catalogue holds 105 other GM/T standards in that field.

In this catalogue, GM/T standards carry edition years from 2012 to 2024.

3 About this standard

Issued by: State Administration of Cryptography

English translation: about 23 pages

4 Classification and status

International classification (ICS): 35.040

Chinese Standard Classification (CCS): L 80

Prefix GM/T: recommended standard.

Preview: page 3 of 3 shown, 23 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0059-2018