Chinastandards.org

ICS 35.040

GM

GM/T 0065-2019

Specification for capability construction of production and guarantee for commercial-cryptographic products

商用密码产品生产和保障能力建设规范

(English Translation)

Issued on: July 12, 2019 **Implemented on: July 12, 2019**

Issued by: State Administration of Cryptography

Preview: page 1 of 5 shown, 10 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0065-2019

Chinastandards.org

Table of Contents

Foreword 1
Scope 2
Normative References 3
Terms and Definitions 4
Main technical personnel 5
Crucial personnel 6
Core cryptographic technology 7
Basic items 8
Evaluation items 9
Legal person qualification 10
Main technical personnel 11
Industry management compliance 12
Crucial personnel information 13
Data management 14
Technical innovation 15
R&D tools and equipment 16
Test conditions 17
Production site 18
Production equipment 19
System guarantee 20
Development and test system 21
Emergency response capability 22
Acceptance and feedback 23
Foreword 24
Technical innovation 25
R&D tools and equipment 26
Test conditions 27
Production site 28
Production equipment 29
System guarantee 30
Development and test system 31
Emergency response capability 32

Preview: page 2 of 5 shown, 10 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0065-2019

Chinastandards.org

Acceptance and feedback 33

Foreword

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

This Standard was proposed by and under the jurisdiction of Cryptography Standardization Technical Committee.

Drafting organizations of this Standard. CEC Huada Electronic Design Co., Ltd.; Koal Software Co., Ltd.; Xingtang Communication Technology Co., Ltd.; Commercial Cryptography Testing Center of State Cryptography Administration; Beijing Sansec Technology Development Company Ltd.; Tendyron Corporation; Chengdu Westone Information Industry Inc; Beijing Cryptography Administration; Shanghai Cryptography Administration; and Guangdong Cryptography Administration.

Chief drafting staffs of this Standard. Zhou Jiansuo, Ye Feng, Zhao Shan, Luo Peng, Feng Yuhui, Han Xiaojun, Yang Yaohua, Gao Zhiquan, Xiong Yun, Li Lixu, Ma Fei, Zheng Qiang, Li Ming, Qu Zhihua, and Yang Yang.

1 Scope

This Standard specifies the evaluation elements and evaluation requirements for the production and guarantee capabilities of commercial cryptographic products.

This Standard is applicable to the capability building and verification of the production organizations of the commercial cryptographic products for the production capacity, quality assurance ability, security guarantee ability and service guarantee ability.

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) are applicable to this document.

GM/Z 4001 Cryptography Terminology Regulation on the Administration of Commercial Cipher Codes

3 Terms and Definitions

For the purpose of this document, the terms and definitions given in GM/Z 4001 and the following apply.

Preview: page 3 of 5 shown, 10 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0065-2019

3.1 Main technical personnel

Personnel engaged in the design, implementation, inspection or testing and technical support of commercial cryptographic products.

3.2 Crucial personnel

Including legal representatives, actual controllers, senior management personnel, and technical leaders.

3.4 Core cryptographic technology

The technology used in commercial cryptographic products to implement the core functions of cipher.

4.1 Basic items

Basic items are the basic conditions that the production organizations of the commercial crypto products shall satisfy, including items such as legal person qualifications, main technical personnel, R&D products, and industry management compliance.

4.3 Evaluation items

The evaluation item is a specific quantification indicator for the evaluation of commercial cryptographic products and production guarantee capabilities. The production organization refers to the evaluation items to improve its own production and guarantee capabilities of commercial cryptographic products.

5.1 Legal person qualification

It shall be an independent legal person registered in China.

5.2 Main technical personnel

They Shall be no less than 15 persons.

5.4 Industry management compliance

It shall abide by relevant laws and regulations on commercial cryptographic product management, voluntarily abide by relevant standards and regulations on commercial cryptographic product management; and promise to provide product source code for review; promise to accept the on-site review of R&D and production; and make daily records of product sales.

Preview: page 4 of 5 shown, 10 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0065-2019

6.1 Crucial personnel information

Information on the nationality (or green card), education background and employment experience of crucial personnel shall be provided. If crucial personnel have a criminal record, it shall be truthfully declared.

6.3 Data management

It shall declare the locations for the R&D, production and guarantee data center of the commercial cryptographic products;

7.1.1.4 Technical innovation

a) It has the intellectual property rights such as invention patents, utility model patents, software copyrights and / or integrated circuit layout registration, etc.;

b) Cryptographic products shall fill gaps in domestic and foreign industry applications; and the products are competitive and innovative in terms of cost, function, performance, reliability, and market applications.

7.1.1.5 R&D tools and equipment

It shall have software and hardware tools and equipment that meet the needs of R&D of cryptographic product.

7.1.1.6 Test conditions

It shall have perfect functions, performance, stability, reliability, and environmental adaptability, and the like test conditions of cryptographic product.

7.1.3.1 Production site

It shall have the right to use the land and houses of production sites; and the production facilities and storage sites shall meet the needs that are compatible with the production capacity of the product.

7.1.3.2 Production equipment

It shall have production equipment and testing equipment that meet production requirements.

7,1.3.3 Production sub-contracting Proof that the production sub-contracting organization meets the requirements of

Preview: page 5 of 5 shown, 10 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gm-t-0065-2019