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GM/T 0131-2023

Electronic signature application interface specification

电子签章应用接口规范

(English Translation)

Issued on: December 4, 2023 **Implemented on: June 1, 2024**

Issued by: State Administration of Cryptography

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1 Foreword

GM/T 0131-2023 was issued by State Administration of Cryptography on 4 December 2023 and has been in force since 1 June 2024.

The GM/T prefix marks a recommended standard. It is not law in itself: it becomes binding 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 43 pages in English translation.

2 Scope Preview

This document specifies the external service interfaces provided by the electronic seal signature system, and provides a unified data interaction format and usage interface between the electronic seal signature system and the application system, including two forms of electronic seal usage interface, i.e., service calling and component calling. This document is applicable to the development, use and testing of electronic seal signature system, as well as the application development based on such system.

GM/T 0131-2023 carries no ICS number and no Chinese Standard Classification code.

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This catalogue holds 160 other GM/T standards.

Of the 108 GM/T standards that do carry an ICS number, 106 (98%) fall under ICS 35, in the field of information technology.

3 Normative references

GB/T 20518 - Information security technology - Public key infrastructure - Digital certificate format

GB/T 20520 - Information security technology - Public key infrastructure - Time stamp specification

GB/T 32010.1 - Document management - Portable document format - Part 1: PDF 1.7

GB/T 32905 - Information security techniques - SM3 cryptographic hash algorithm

GB/T 33190 - Electronic files storage and exchange formats - Fixed layout documents

GB/T 33560 - Information security technology - Cryptographic application identifier criterion specification

GB/T 35275-2017 - Information security technology - SM2 cryptographic algorithm encrypted signature message syntax specification

GB/T 35291 - Information security technology - Cryptography token application interface specification

GB/T 36322 - Information security technology - Cryptographic device application interface specifications

GB/T 38540-2020 - Information security technology - Technical specification secure electronic seal signature cryptography

GM/T 0031-2014 - Secure electronic seal cryptography technical specification

GM/T 0094-2020 - Public key cryptographic application technology framework specification

GM/T 0099 - Cryptography application technical specification of open fixed layout documents

GM/T 0112 - Technical requirements of cryptography application in portable document format

GM/Z 4001 - Cryptology terminology

RFC 4648 - Base16, Base32, and Base64 data encodings

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4 About this standard

Issued by: State Administration of Cryptography

English translation: about 43 pages

Chinese original: about 65,681 characters

5 Related standards

Standards on related subjects:

GM/T 0133-2024 - Requirements for the application of cryptography in critical information infrastructure

GM/T 0135-2024 - Multi-party secure computing technology framework

6 Classification and status

Chinese Standard Classification (CCS): L 80

Prefix GM/T: recommended standard.

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