Chinastandards.org

CCS A11

JR

JR/T 0222-2021

The Evaluation Model of Technical Capability of Encryption Service of Financial Information System

金融信息系统加密服务的技术能力评价模型

(English Translation)

Issued by: People's Bank of China

Preview: page 1 of 4 shown, 28 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jr-t-0222-2021

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Terms and definitions
3.1 Test aims
3.2 Start criteria
3.3 Relevant requirements of test
4 Abbreviations
4.1 Session synchronization
4.2 Sign-in initiated by the securities and futures side
4.3 Initiating sign-off on the securities futures side
4.4 Account signing initiated by the bank
4.5 Initiating account signing on the securities futures side
4.6 Initiating account pre-signing on the securities futures side
4.7 Confirmation of pre-signing on bank side
4.8 Bank end initiates account cancellation
4.9 Initiating account cancellation on the securities futures side
5 Category classification of data elements
5.1 Overall Frame Diagram
5.2 REE
5.3 TEE
5.4 SE
5.5 Peripheral Device
6 Metadata Directory
6.1 Overall Architecture
6.2 Trusted OS
6.3 Secure Start
6.4 Secure Storage
6.5 Encryption and Decryption Services
6.6 Key System
6.7 Access Control
6.8 Trusted User Interface (TUI)

Preview: page 2 of 4 shown, 28 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jr-t-0222-2021

6.9 TA Management
7 Security Test Items
7.1 Communication Requirements between REE and TEE
7.2 Communication Security between TEE and Data Acquisition Device
7.3 Communication Security between TEE and SE
7.4 Deployment efficiency
7.5 Growth rate of ledger data
8 PIN Input Equipment Security Test
8.1 Data Security Protection Function
8.2 Internal Data Security Requirements
8.3 Cryptographic Algorithm
8.4 Node communication
8.5 Ledger data
8.6 Consensus Protocol
8.7 Smart Contract
8.8 Identity Management
8.9 Privacy protection
9 Risk Monitoring Test Items
9.1 TA Access Control over SE

1 Foreword

JR/T 0222-2021 was issued by People's Bank of China on 22 July 2021.

The JR/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 28 pages in English translation.

2 Scope Preview

JR/T 0222-2021 is filed under Chinese Standard Classification A11, in the field of general, standardization and metrology.

This catalogue holds 260 other JR/T standards without an ICS number.

In this catalogue, JR/T standards carry edition years from 1993 to 2026.

Preview: page 3 of 4 shown, 28 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jr-t-0222-2021

3 About this standard

Sector: Finance Industry Standard (Recommended)

Issued by: People's Bank of China

English translation: about 28 pages (approximate)

Chinese original: about 41,432 characters

4 Related standards

Standards on related subjects:

JR/T 0197-2020 - Financial data security - Guidelines for data security classification

GB/T 19584-2010 - Specification on magnetic stripe data content and application for bank card

GB/T 12406-2008 - Codes for the representation of currencies and funds

JR/T 0215.1-2021 - Essentials of Asset Management Product Introduction - Part 1: Bank Wealth Management Products

JR/T 0214-2021 - Financial Network Security Network Security Crowd Test Implementation Guide

JR/T 0213-2021 - Financial Network Security Web Application Service Security Testing General Specification

5 Classification and status

Chinese Standard Classification (CCS): A 11

Prefix JR/T: recommended standard.

Preview: page 4 of 4 shown, 28 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jr-t-0222-2021