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Specification of identity format for identity cryptography application

标识密码应用标识格式规范

(English Translation)

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

Attention is drawn to the possibility that some of the elements of this Standard may be the subject of patent rights. The issuing authority shall not be held responsible for identifying any or all such patent rights.

This Standard was proposed by and shall be under the jurisdiction of Cryptographic Industry Standardization Technical Committee.

1 Scope

This document specifies a general identity information identity data structure.

This document is applicable to the application of identity cryptography technology based on SM2 algorithm and SM9 algorithm. It enables mutual identification and analysis of identity information between different identification cryptography technology systems.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 32918 (all parts), Information security technology - Public key cryptographic algorithm SM2 based on elliptic curves GM/T 0006, Cryptographic application identifier criterion specification GM/T 0044 (all parts), Identity-based cryptographic algorithms SM9 GM/Z 4001-2013, Cryptographic terms

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3 Terms and definitions

For the purposes of this document, the terms and definitions defined in GM/T 0044 (all parts) and GM/Z 4001-2013 as well as the followings apply.

3.1 Identity

the information that can uniquely identify an entity

NOTE: An identity consists of information that the entity cannot deny, such as the entity's identifiable name, email address, ID number, telephone number, street address and so on.

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