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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GA/T 1724-2020

**CTID online authentication - Format specifications for cyber
trusted identity(CTID) and cyber identifier**

居民身份网络认证 网络可信凭证和网络标识格式要求

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009:

Please note that certain contents of this document may involve patents: The issuing agency of this document is not responsible for identifying these patents:

This standard was proposed and managed by the Technical Committee for Standardization of Social and Public Security Applications of the Ministry of Public Security:

Drafting organizations of this standard: The First Research Institute of the Ministry of Public Security, Beijing Zhongdun Anxin Technology Development Co., Ltd., Beijing Zhongdun Security Technology Development Corporation Company, Xingtang Communication Technology Co., Ltd., Zhejiang Ant Small and Micro Financial Service Group Co., Ltd:

Introduction

Resident identity network authentication is one of the important links in the national implementation of the network credible identity strategy: Due to the virtual nature of the Internet Point, the traditional identity authentication method can no longer meet the needs

of network user applications, and network identity authentication has a variety of authentication methods, it is difficult to distinguish between true and false identity information, which has caused new security issues such as data leakage, identity fraud, and privacy spread, and even threatened the country:

Safety: For this reason, it is urgent to carry out research from the perspective of standardization to build a safe, convenient, and unified resident identity network authentication technical framework, so as the identity and authentication of residents in the network space provide security guarantees, which will improve my country's network identity management level and realize the modernization of network social governance for technical support:

In order to conduct identity verification in cyberspace, residents need a document and logo that can prove their identity: To build cyberspace Unified identity certification and identification standards, effective management of credible identity in cyberspace, this standard is specially formulated:

Resident identity network authentication Network trusted credentials and network identification format requirements

1 Scope

This standard specifies the composition and data of the resident identity network credible certificate (network certificate) and network identity of the resident identity network authentication system structure:

This standard applies to the design, development, testing and application of related systems for resident identity network authentication:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article Pieces: For undated references, the latest version (including all amendments) applies to this document:

GB/T 25069-2010 Information Security Technical Terms GB/T 32905-2016 Information security technology SM3 cryptographic hash algorithm GB/T 35276-2017 Information Security Technology SM2 Cryptographic Algorithm Usage Specification GA/T 543.6-2015 Public Security Data Element (6) GA/T 1721-2020 General Terms for Resident Identity Network Authentication GA/T 1722-2020 The overall technical framework of resident identity network authentication

3 Terms and definitions

The terms and definitions defined in GB/T 25069-2010 and GA/T 1721-2020 are applicable to this document:

4 General

4.1

Overview

In the overall technical framework of the resident identity network authentication system given by GA/T 1722-2020, the objects of this standard are shown in Figure 1:

"Standard 3" position shown: