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**Information technology - Big data - Reference model for trusted
cross-domain data sharing**

信息技术 大数据 跨域数据可信共享参考架构

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing

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Information technology big data cross-domain data trust Shared Reference Architecture

1 Scope

This document establishes a reference architecture for cross-domain data trust sharing, including the functions of data providers, data users, and data intermediaries.

Requirements and trusted control requirements.

This document is intended to guide the architecture design of cross-domain data trusted sharing systems.

2 Normative references

GB/T 36344-2018

GB/T 43697-2024

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 cross-domain sharing

Scenarios where data providers and data users from multiple different control domains share data.

Note. Participants in the cross-domain data sharing process include but are not limited to data providers, data users, data intermediaries, etc.

3.2 Data provider

The entity that provides data resources and has the right to decide other parties' access, sharing and use rights to their data.

3.3 Data user

An organization or individual that obtains and uses data through legal means based on agreements signed with data intermediaries, data providers, etc.

3.4

In cross-domain data sharing, data sharing management specifications are formulated to provide data providers and data users with service docking, data alignment and and cross-domain control and other functions to ensure the secure implementation of cross-domain data services.

3.5 electronic signature

Data contained or attached in electronic form in a data message that is used to identify the signatory and indicate that the signatory approves the content.

[Source. GB/T 25069-2022, 3.119]