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**Information technology - Big data for ecological environment -
System framework**

信息技术 生态环境大数据 系统框架

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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 organization of this document does not assume the responsibility for identifying patents.

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Information Technology Ecological Environment Big Data System Framework

1 Scope

This document establishes the participants of the ecological environment big data system, the framework of the ecological environment big data system and its functional composition.

This document is applicable to the planning, design, and construction of ecological environment big data systems for government departments at all levels, enterprises, institutions, and social groups.

It provides guidance for installation and upgrading, operation and maintenance, security assurance, etc., and provides a basis for the formulation of a series of standards for ecological environment big data.

2 Normative references

GB/T 35589-2017

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

A collection of data generated and applied in the process of ecological environment investigation, monitoring, governance and ecological restoration.

3.2

A comprehensive system for collecting, processing, storing, analyzing and applying ecological and environmental big data.

3.3 [Source. GB/T 35295-2017, 2.1.4, modified]

Define and clarify the required data application activities, and organize and build an operational system by configuring and managing ecological environment big data resources The subject in.

3.4 [Source. GB/T 35295-2017, 2.1.5, modified]

The subject that collects and integrates ecological environmental data and information through collection, investigation, monitoring and supervision.

3.5 [Source. GB/T 35295-2017, 2.1.6, modified]

By executing ecological environment data life cycle operations, the application needs of ecological environment big data users and the ecological environment big data can be met.

The data system coordinator defines the subject of security and privacy protection requirements.

3.6

Providing resources and services for the creation of ecological environment big data applications by performing application transformation while protecting data integrity and privacy