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Forestry information resources catalog system framework

林业信息资源目录体系框架

(English Translation)

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Foreword

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

This standard was proposed by the Information Management Office of the State Forestry Administration.

This standard is under the jurisdiction of the National Forestry Information Data Standardization Technical Committee.

This standard is mainly drafted by. State Forestry Administration Survey Planning and Design Institute, Institute of Resource Information, Chinese Academy of Forestry, Ying Chuangxing Empty (Beijing) Technology Co., Ltd.

Introduction

According to the "National Forestry Informationization Construction Outline" and "Forestry Informationization Standard System Framework", refer to the National Government Information Resource Catalogue System Standards, combined with the specific conditions of China's forestry industry to prepare this standard.

This standard is used to implement the registration, release and acquisition of forestry information resources in various forestry information systems.

Forestry Information Resources Directory System Framework

1 Scope

This standard specifies the terminology, overall framework and supporting technology of the forestry information resource catalogue system.

This standard applies to planners, developers, builders and other related to the construction of the directory system.

Personnel are used in the planning and design of the system architecture of the forestry information resource catalogue system.

2 Terms and definitions

The following terms and definitions apply to this document.

Directory service catalogservice Directory services refer to the combination of directory information sources and services for these information sources, making them easy to use by users.

Forestry information resource directory forestryinformationresourcescatalog the forestry information resource catalogue refers to the orderly arrangement of metadata according to the forestry information resource classification system.

Forestry information resource directory system forestryinformationresourcescatalogsystem the forestry information resource catalogue system is an integral part of catalog information and services, support and support.

Directory information and services refer to metadata-based browsers and client applications that provide a human interface query interface.

Includes a metadata query service interface that provides communication between computer systems.

Security and support mainly include standards, management and security. Standards and management refer to the establishment of a forestry information resource catalogue system Relevant technical standards to be followed, such as catalogue system requirements, core metadata, information resource classification, information resource unique identifier, technology Relevant standards such as management requirements. Safety assurance refers to relevant technical requirements, technical standards, and technical standards for ensuring the sharing and exchange of forestry information resources.

Regulations, etc.

Cataloging the process of forestry information catalogues compiling forestry information metadata. The result of the catalog is the contents of the catalog.

Register

The process of forestry information resource catalog managers receiving and processing the forestry information resource catalogues provided by the forestry sector.

Publish

The process of forestry information resource catalogue managers publicizing the contents of forestry information resources catalogue.

3 Overall framework

The overall framework of the forestry information resource catalogue system includes conceptual models, organizational structures, technical models, business processes, and so on.

3.1 Conceptual model

The conceptual model of the forestry information resource catalogue system includes. supporting standards, supporting environment, database, information resource catalog, security assurance, etc.

The five parts are shown in Figure 1.