

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HJ 721-2014

Environmental datasets processing and collection workflow

环境数据集加工汇交流程

(English Translation)

Issued on: December 25, 2014

Implemented on: March 1, 2015

Issued by: Ministry of Ecology and Environment

Table of Contents

Preface

1 Scope of application

2 Normative reference documents

3 Terms and Definitions

4 Technical content

4.1 Environmental data set processing and exchange process and responsibilities

4.2 Environmental data set processing submitted to the project

4.3 Environmental data set Entity collection production

4.4 Environmental Data Set Audit

4.5 Summary of Environmental Data Set

4.6 Archiving, storage and filing of environmental data sets

4.7 Environmental data sets Processing remittance security requirements

Appendix A (Normative Appendix) Environmental Data Set Working Paper

Appendix B (informative) Environmental data set Processing remittance example

Foreword

To implement the "Environmental Protection Law of the People's Republic of China" to promote environmental information work, standardize the environmental data set processing, Exchange process, the development of this standard.

This standard specifies the environmental data sharing and service construction in the environmental data set processing, the intersection of business processes, content, party Law and requirements.

Appendix A of this standard is a normative appendix, Appendix B is an informative appendix.

This standard is the first release.

This standard is organized by the Ministry of Environmental Protection Science and Technology Standards Division.

The main drafting of this standard. the Ministry of Environmental Protection Information Center, Fujian Province Environmental Information Center.

The Environmental Protection Department of this standard approved on December 25, 2014.

This standard is implemented on March 1, 2015.

This standard is explained by the Ministry of Environmental Protection.

Environment data set processing exchange process

1 Scope of application

This standard specifies the process, content, methods and requirements for the processing and remittance of environmental data sets in environmental data sharing and service construction.

This standard is applicable to guide the environmental business departments and institutions at all levels to carry out environmental data sets for production, storage, archiving and so on.

2 Normative reference documents

The contents of this standard refer to the terms of the following documents. For undated references, the valid version applies to this standard.

Code for classification of safety protection of computer information system GB 17859 Code for archiving and management of electronic documents GB/T 18894-2002 HJ 720 Environmental Information Metadata Specification HJ 722 Environmental Data Set Description Document Format HJ 729 Environmental Information System Security Technical Specification Classification and code of environmental information HJ/T 417-2007 Technical Requirements for Hierarchical Protection of Computer Information System Involving State Secrets Circular [2012] 92 Annex 11 Environmental identity certification technical requirements Circular [2012] 92 Annex 12 Environmental Data Encryption Technical Regulations [2012] 92 Annex 13 Environmental Data Access Technical Regulations Circular [2012] 92 Annex 15 Environmental information safety testing and evaluation technical requirements

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Environmental data sets

Composed of several data instances related to the environmental protection business, a unified data model, data with relatively independent business semantics set.

3.2 Dataset entities dataset entities

A collection of data or graphics consisting of a series of static data files.

3.3 Environmental Data Set Entities environmental dataset entities

A collection of environmental data or graphics consisting of a series of static environment data files.

3.4 Dataset documentation document dataset's discription document

A set of description files that describe the dataset must consist of an overview, a dataset identification, data content and structure, coverage, and Metadata.

3.5 Dataset production process file dataset's processing and collection process document

The data set is created in addition to the data set in addition to the data set, metadata, and dataset documentation.

Processing and collection Production environment data collection of all the general process, collected by the environmental data collection, production, audit, summary, archiving, custody and filing and other streams Composition.

4.1.1 Environment data set processing exchange process

Environmental data set processing and exchange process shown in Figure 1.

Figure 1 environment data set processing remittance process

Environmental Data Set Processing Refer to Appendix A.1 for detailed workflows.

4.1.2.1 Environmental data set management unit

Responsible for the project, the preparation of "environmental data set production task book"; audit environmental data sets; filing data processing and processing of the process and results.

4.1.2.2 Acquisition processing production unit

Implement the data source according to the requirements of the Environmental Data Set Production Taskbook to check the data quality of the data source;

Environment data set entities, metadata and documentation; with the environmental data set management unit to complete the data audit and environmental data set archive.

4.1.2.3 Support units

Responsible for the acceptance of acceptance of environmental data sets through the entity, metadata and documentation, and to carry out environmental data set sharing services.

4.2 Environmental data set processing intersection project

4.2.1

Environment data set management unit according to the environmental data set to share the work requirements and the use of demand to determine the environmental data set processing remittance Please fill out the "Environmental Data Set Production Proposal", see Appendix A.2, Table A.1.

4.2.2

Environmental data sets The management unit shall specify the environmental data set for the production, addition or updating of the objectives, determine the contents of the environmental data set and Into the time, need to submit the environmental data set, the relevant technical documents.

4.2.3 "Environment data set production task book" naming rules. Environment data set name _TASK. Extension.

4.3.1 Determine the data source

In order to ensure the integrity and correctness of the environmental data set, the acquisition and production unit shall carry out the format inspection, quality inspection and Analysis, and test methods, inspection principles and test results in the "Environmental Data Set Description Document" in the description, the format should be consistent with HJ 720 in the case of a variety of data sources, should be based on environmental data set production needs to select the appropriate data source, and detailed records of data Source of choice.

4.3.2 Data collection

Collecting and processing units should be based on "environmental data set production task book" for data collection. Check the data collection situation, indeed Whether it is in line with the requirements of the Environmental Data Set Production Proposal, and record the acquisition process, results and approach.

4.3.3.1 Data processing tools and methods

The collection and production units shall, in accordance with the requirements of the Environmental Data Set Production Taskbook, select the appropriate tools and methods for