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

YC/T 581-2019

**Tobacco industry data center data modeling specification
(English Translation)**

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Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Data model design

4.1 Overview

4.2 Demand analysis

4.2.1 Overview

4.2.2 Business division

4.2.3 Business process combining

4.2.4 Sorting out the collection of data entities

4.2.5 Template selection

4.3 Data Modeling

4.3.1 Overview

4.3.2 Conceptual model design

4.3.3 Logic Model Design

4.3.4 Physical model design

4.4 Data Element Standard Reference

Appendix A (informative appendix) Description of business division

Appendix B (informative appendix) Description of business process template

Appendix C (informative appendix) Indicator combining template description

Appendix D (informative appendix) Description of the dimensional combining template

Appendix E (informative appendix) Data source exploration template description

Appendix F (Informative Appendix) Description of Data Entity Collection Template

Appendix G (informative appendix) Data card template description

Appendix H (informative appendix) CRUD matrix template description

Appendix I (informative appendix) Description of subject domain division

Appendix J (informative appendix) Concept model template description

Appendix K (informative appendix) Logical model template description

Appendix L (informative appendix) Physical model template description

Reference

Foreword

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

Introduction

This standard is a technical specification that guides the design of data center data model in the process of information construction of industrial and commercial enterprises in my country's tobacco industry.

It is through scientific data modeling methods to gradually form a unified and universal data model for all business domains of the tobacco industry to support industry data sharing and data applications.

Data Modeling Specification for Tobacco Industry Data Center

1 Scope

This standard specifies the design methods and characteristics of the data center data model in the process of my country's tobacco industry informatization construction.

This standard applies to the data center data model design of the tobacco industry, and the information construction of industrial and commercial enterprises can refer to this standard for data centers.

Data model design.

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 reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 18391.1 Information Technology Metadata Registration System (MDR) Part 1: Framework
YC/T 534.1-2015 Tobacco Industry Data Element Part 1: Structure and Principle

3 Terms and definitions

The following terms and definitions apply to this document.

Datamodeling

For the abstract organization of various types of data in the real world, determine the scope of the database to be governed, the organization of the data, etc., until it is transformed into a realistic the process of the database.

Entity

Matters or concepts that can be distinguished from each other in the real world.

Note: As far as the database is concerned, the entity often refers to a collection of certain types of transactions, and the individual of each type of data object is called an entity.

Businessdomain

A collection of closely related business activities.

Business process

A set of ordered, interrelated and interactive business activities with inputs and outputs.

Dataelement

Use a set of attributes to describe data units that define, identify, express, and allow values.

[GB/T 18391.1, definition 3.14] 3.6 Codeset A list of the mapping relationship between the encoding object set and the code element set. It is an integral part of the data element standard.