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**Statistical data and metadata exchange(SDMX) - Part 2:
Information model - UML conceptual design**

统计数据与元数据交换 (SDMX) 第2部分: 信息模型 统一建模语言 (UML) 概念设计

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Foreword

The Statistical Data and Metadata Exchange (SDMX) currently consists of seven sections and may add new sections as technology evolves later.

- Part 1. Framework;
- Part 2. Information Model Unified Modeling Language (UML) conceptual design;
- Part 3. SDX-ML mode and documentation (XMLSchema);
- Part 4. SDMX-EDI syntax and documentation (EDI);
- Part 5. Registration specification logic functions and logic interface;
- Part 6. Technical description;
- Part 7. Web Services Usage Guide. This section is Part 2 of "Statistical Data and Metadata Exchange (SDMX)." This section drafted in accordance with GB/T 1.1-2009 given rules. This part of the National Electronic Services Standardization Technical Committee (SAC/TC83) and focal point. This part of the drafting unit. China National Institute of Standardization, Beijing Haitai radius Technology Co., Ltd., Hangzhou Institute of Standardization. The drafters of this section. Zhang Jian Fang, Xing Liqiang, Li Xiudi, Jiang Hongyu, An Xiaojiang, Liu Zengshou, Liu Jing.

Statistical Data and Metadata Exchange (SDMX) is the United Nations Statistical Agency (UNSD), the International Settlement Bank (BIS), the International Monetary Fund International Monetary Fund (IMF), OECD, World Bank (WB), European Central Bank (ECB), Eurostat, etc. Organization jointly developed standards. This section refers to "SDMXStandards.Section2informationmodel.UMLConceptual Designversion 2.1 "[Statistical Data and Metadata Exchange (SDMX) Part 2. Information Model Unified Modeling Language (UML) Concept design "version 2.1] preparation. Statistical Data and Metadata Exchange (SDMX) Part 2. Information Model Unified Modeling Language (UML) concept design

1 Scope

GB/Z 34052.2-2017 is the Chinese national standard on statistical data and metadata exchange(sdmx) - part 2: information model - uml conceptual design, in the field of services and company organization. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 31 July 2017 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. Classification: ICS 03.120.30, CCS L70. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section of the Statistical Data and Metadata Exchange (SDMX) gives a detailed view

of the conceptual metamodel of the SDMX Information Model, To include the structure of the information model, participants and use cases, SDMX basic package, specific item programs, data structure definitions and data sets, data cube Metadata structure definitions and metadata sets, hierarchical code tables, structure sets and mappings, constraints, data provisioning, procedures, transformations and expressions. This section applies to statistical data and metadata exchange and sharing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 18391-2009 Information Technology Metadata Registration System (MDR)

GB/T 28174-2011 Unified Modeling Language (UML)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Supply definition provisioningdefinition Maintaining a class of actors in the organization to support the process of reporting and publishing statistics and metadata, ie, when the party reported to the other party What did you tell me?

3.2 Structural definition of structuraldefinition Maintains a class of actors in the organization to define the format and content for reporting and publishing statistics and metadata.

4 Information Model Overview

4.1 Technical modeling and graphic annotation SDMX Information Model (SDMX-IM) uses the modeling techniques specified in GB/T 28174-2011. UML class diagrams contain properties and operations (sometimes called methods), but allow one or two columns to be omitted when stylized. This section because the class does not contain operations, it does not show the operating column, the hidden operation of the class shown in Figure 1.