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

WS/T 681-2020

**Health Information Identification System Object Identifier
Registration Management Regulations
(English Translation)**

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Foreword

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

The main drafting organizations of this standard. National Health Commission Statistical Information Center, Tongji Medical College of Huazhong University of Science and Technology, China Electronic Technology Standard Zhunhua Research Institute, Shanghai Municipal Health Information Center, Shenzhen Medical Information Center, Air Force Military Medical University, Tongji Medical University of Huazhong University of Science and Technology Tongji Hospital affiliated to the hospital.

Introduction

The "46312" National Health Information Project aims to integrate the information distributed in different application systems, different medical and health institutions, and different regions.

Medical and health information in order to achieve interconnection, information sharing, and

the construction of a health information standard system as the two major guarantees for information construction Department one.

Standardization in the field of information technology requires the unambiguous definition of identifiable standardized information objects on a global scale. Information-oriented in our country in the process of research and development of integrated and shared health information sharing documents, many objects are involved, such as organizations, personnel, equipment, and document models.

Board, range code table, medical terminology system, patient identification, hospitalization number, pathology number, message transmission, medical digital imaging, etc. These ones the unified and standardized identification of physical or virtual objects is an important part of the national health information project with the goal of information sharing and interconnection.

Basic work.

In order to uniquely identify objects, the International Organization for Standardization ISO and ITU jointly established a hierarchical structure (tree) of information object registration Identification system. This layered structure is described in the first part of GB 17969.1-2000 "Operational Regulations for OSI Registration Organizations for Open Systems Interconnection of Information Technology Points. Provisions are made in the General Regulations. In this structure, "joint-iso-itu-t(2)" and "iso(1)" are the first-level nodes of the hierarchical structure, "Country member body (refer to GB/T 2659-2000 "Code of names of countries and regions in the world")" node is located in the second layer "iso(1) member-body" (2)" node, the "country" node is located under the "joint-iso-itu-t(2) country(16)" node. my country's "national membership" node and "country" the node and its branches are managed by the national OID registration authority (ie OID registration center). In order to adapt to the deepening of medical and health the development of public health informatization has actual needs for health information sharing, meeting the business needs of regional health information sharing and business collaboration, and standardizing health the unified identification of objects in the interconnection of health information, the Statistical Information Center of the National Health Commission registered in the National OID Registration Center Kang Information Open System Interconnection OID Root ID. In accordance with the provisions of GB/T 4657-2009, apply for registration of the national health information field node representative the code is 10011, that is, "1.2.156.10011" and "2.16.156.10011" represent the OID of the national health information root. The root node and branch are Register, manage and maintain the National Health Information OID Registration Center of the National Health Information Center of the National Health Commission. And based on this on the basis of this, the construction of operating procedures for OID registration of health information was carried out.

Regulations for registration and management of object identifiers in health information identification system

1 Scope

This standard specifies the procedures for the registration and management of health information entity object identifiers, which specifically specify.

- a) Management level of OID registration agency for health information;
- b) The registration procedures for the OID registration sub-center of health information and other entities;
- c) OID registration management procedures for health information;
- d) Dispute resolution.

This standard is applicable to the application, registration, management and maintenance of OID identification of health information.

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 references, the latest version (including all amendments) applies to this document.

GB/T 17969.1-2000 Information Technology Open System Interconnection OSI Registration Authority Operating Regulations Part 1: General Regulations and the top arc of the ASN.1 object identifier tree (eqv ISO/IEC 9834-1) GB/T 17969.3-2008 Information Technology Open System Interconnection OSI Registration Authority Operating Regulations Part 3: Joint ISO and ITU-T Registration of object identifier arcs under the top-level arc of the joint management (mod ISO/IEC 9834-3:2005) GB/T 26231-2017 Information Technology Open System Interconnection Object Identifier (OID) National Numbering System and Operating Regulations GB/T 35299-2017 Information Technology Open System Interconnection Object Identifier Resolution System (ISO/IEC 29168:2011, MOD) GB T 35300-2017 Information Technology Open System Interconnection for Object Identifier Resolution System Operating Organization Regulations WS/T 482-2016 Specification for the preparation of health information sharing documents WS/T 682-2020 Health Information Identification System Object Identifier Numbering Structure and Basic Rules ISO/IEC 9834-3:2005 Information Technology Open System Interconnection OSI Registration Body Operating Procedures ISO and ITU-T Joint Management Top the registration of the object identifier arc (Information technology-Open systems interconnection-Procedures for the operation of OSI registration authorities. Registration of object identifier arcs beneath the top-level arc jointly administered by ISO and ITU-T)

3 Terms and definitions

The following terms and definitions apply to this document.

Identifier

An attribute that uniquely identifies physical and logical entities or information in various application environments within a certain range.

Object identifier

The globally unique value associated with the object is used to unambiguously identify the object, which can ensure the correct positioning of the object in communication or information processing and management.

[Defined in GB/T 26231-2017] 3.3 Health information object identifier Within the scope of the application environment of the interconnection and interoperability of health information, various physical and logical entities or information are uniquely identified so that the network or the application performs related control and management of the target object based on the identification, and the acquisition, processing, transmission and exchange of related information.

Numeric OID integer object identifier the primary value of the object identifier assigned by the registration authority to identify the applicant.

[Defined in GB/T 26231-2017] 3.5 OID alphanumeric object identifier the applicant provides an alphanumeric object identifier secondary value that identifies the object under its jurisdiction.

[Defined in GB/T 26231-2017] 3.6 Primary value the specific type value assigned to the arc of the RH name tree can unambiguously identify the arc in the set of arcs starting from its superior node.

[Defined in GB/T 26231-2017] 3.7 Secondary value Associated with an arc to provide readers with a useful attachment identification, but it is not usually unambiguous to identify the arc, nor is it included under normal circumstances.

Enclosed in a certain type of computer communication value.

[Defined in GB/T 26231-2017] 3.8 Coding rules of identification Specifies the coding rules for the format and structure of identifiers.

Management procedures the identification code management authority, management scope and management procedures that should be followed by identification code management agencies at all levels in the field of health information Fan.