



BSI Standards Publication

Information model of Chinese materia medica processing

National foreword

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Foreword

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This document was prepared by Technical Committee ISO/TC 215, *Health informatics*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Chinese materia medica is widely utilized as a part of complementary and alternative medicine throughout East Asia and western countries. In order to ensure the quality and therapeutic effect of Chinese medicines, it is important to use a proper manufacturing process of Chinese materia medica.

There are guidelines for processing Chinese materia medica in the Traditional Chinese Medicine industry, and clinical trials are already available. A large number of relevant trials have been conducted to assess the function of decoction pieces of Chinese materia medica. However, the descriptions of processing in reports tend to be insufficient for the interpretation of heterogeneity among trials, often causing difficulties for data synthesis in meta-analyses. This arises from two reasons: firstly, because of the lack of use of an appropriate information model of the processing of Chinese materia medica, and secondly because semantic associations between concepts of Chinese materia medica processing have yet to be explicitly identified.

In order to address these problems, this document defines the information model within the field of Chinese materia medica processing.

Information model of Chinese materia medica processing

1 Scope

This document specifies an information model within the field of Chinese materia medica processing and defines a set of domain constraints of sanctioned characteristics, each composed of a relationship and an applicable information model.

This model aims at representing the concepts applicable to Chinese materia medica processing in the making of decoction pieces.

This document is not applicable to Japanese traditional Kampo medicine.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1 General

3.1.1 concept

internal conception of some thing, general notion or idea of some thing

[SOURCE: ISO/TS 18876-2:2013 3.1.3]

3.1.2 entity

any concrete or abstract thing of interest

3.1.3 relationship

association between two or more *entities* (3.1.2) indicating the purpose or type of association

Note 1 to entry: Can also be known as an association when the information model is based upon object classes.

3.1.4 information model

graphical and textual representation of *entities* (3.1.2) and the *relationships* (3.1.3) between them

Note 1 to entry: Can also be known as a data model, a conceptual data model, a logical data model, an entity relationship model, an object class diagram, or a database definition.

[SOURCE: ISO/IEC 19763-12:2015, 4.2.24]