DD ISO/TS 22789:2010

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Health informatics — Conceptual framework for patient findings and problems in terminologies

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It is being issued in the Draft for Development series of publications and is of a provisional nature. It should be applied on this provisional basis, so that information and experience of its practical application can be obtained.

Comments arising from the use of this Draft for Development are requested so that UK experience can be reported to the international organization responsible for its conversion to an international standard. A review of this publication will be initiated not later than 3 years after its publication by the international organization so that a decision can be taken on its status. Notification of the start of the review period will be made in an announcement in the appropriate issue of *Update Standards.*

According to the replies received by the end of the review period, the responsible BSI Committee will decide whether to support the conversion into an international Standard, to extend the life of the Technical Specification or to withdraw it. Comments should be sent to the Secretary of the responsible BSI Technical Committee at British Standards House, 389 Chiswick High Road, London W4 4AL.

The UK participation in its preparation was entrusted to Technical Committee IST/35, Health informatics.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Informatique de santé — Cadre conceptuel pour les constats des patients et les problèmes de terminologies

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of document:

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ISO/TS 22789 was prepared by Technical Committee ISO/TC 215, *Health informatics*.

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Introduction

Enormous investment has occurred over the last two decades in creating health care terminological systems. Further expansion or additions are likely. Many developments overtly or covertly share features of a common model of clinical findings.

The objective of this Technical Specification is to express a core **categorial structure** of clinical findings based upon existing schemes including the World Health Organization *ICD-10*, NHS *Clinical Terms Version 3*, International Health Terminology Standards Development Organisation's *SNOMED Clinical Terms* and the WONCA 2001 *International Classification of Primary Care*. The development of a Technical Specification will help existing users to develop a **mapping** or cross-walks between one scheme and another and provide a robust logical framework for construction of new areas or consistency for updated versions of existing terminological systems. The model describes the underlying principles of clinical findings and important **semantic link**s referencing a set or sets of **characterizing concept**s such as anatomy and causative organisms. It utilizes ISO 17115, which has been designed to describe such patterns for **concept** representation in a particular domain.

Within this Technical Specification, the following notation is used:

A **bold** notation has been used where references are made to terms defined in Clause 2.

An item enclosed by single angle brackets < > refers to a category that can be specialized to various **concept**s, as required.

An item enclosed within the text by single accolades { } identifies a **semantic link**.

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