

BRITISH STANDARD

Health informatics – Medical digital imaging profiles –

Part 2: “M-IHE6-4.8MIS-CT” CT images stored

ICS 35.240.80

Confirmed December 2011

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ISBN 0 580 49046 7

The following BSI references relate to the work on this standard:

Committee reference IST/35

Draft for comment 03/107682 CD

Publication history

First published, September 2006

Amendments issued since publication

Amd. no.	Date	Text affected
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Foreword

Publishing information

This British Standard was published by BSI and came into effect on 4 September 2006. It was prepared by Technical Committee IST/35, *Health informatics*, in accordance with the provisions of BS 8440. A list of organizations represented on this committee can be obtained on request to its secretary.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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

Introduction

The Integrating the Healthcare Enterprise (IHE) Technical Framework document provides a scenario, as required by BS 8440-2, and a set of profiles expressed as tables and text to enable the smooth implementation of information technology in support of a set of carefully defined basic clinical tasks associated with diagnostic imaging. This medical digital imaging (MDI) profile specifies the content of the IHE Technical Framework document regarding metadata contained in the IHE Patient Registration Transaction in a concise form that can be expressed as printed tables or in electronic form. The electronic form enables electronic comparison with product profiles available in electronic form.

1 Scope

This British Standard specifies the metadata to be included in the Modality Images Stored transaction as specified in the IHE Technical Framework Volume II, Revision 6.0, section 4.8 and Appendix A, when applied to a computed tomography (CT) image data set.

It falls within the taxonomy class of Management (see BS 8440-1).

The relevant scenario included in IHE Technical Framework Volume II, Revision 6.0, section 4.8, concerns the transmission of any image from an image acquisition system to an information system, while Appendix A specifies the appropriate use of required data elements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ANSI/HL7 Version 2.3.1 1998 (HL7 v2.3.1), *ANSI Application Protocol of Electronic Data Exchange in Healthcare Environments*

IHE Technical Framework Volume II, Revision 6.0 (IHE6-0)
ACC/HIMSS/RSNA, May 18, 2005

ISO 12052, *Digital imaging – DICOM – Communication, workflow and data management*

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in BS 8440-1 and BS 8440-2 apply. (See also Annex A.)

4 Abbreviations

A/C	Additional requirement/Clarification
Card	Cardinality
CT	Computed tomography
DICOM	ISO 12052, <i>Digital imaging — DICOM — Communication, workflow and data management</i>
HL7 2.3.1	Health Level 7 Version 2.3.1
ID	Identifier
IHE6	IHE Technical Framework Revision 6.0
MDI	Medical digital imaging
OID	Object identifier

5 Conformance

Conformance of a product with the MDI metadata profile specified in this British Standard shall be tested by determining that the patient registration communication metadata within a relevant message type (see **6.3**) includes all the MDI profile data elements specified in the profile tables (Table 1, Table 2 and Table 3).

NOTE 1 Conformance of a product with the scenario is beyond the scope of this British Standard.

Applications shall make available all the content items included in the profile table with optionality R (required), optionality C (conditional), if the appropriate condition is met, and optionality RE if a value for the data item is known.

NOTE 2 Applications are expected to conform to the requirements of IHE6.

6 MDI profile

6.1 Identification

6.1.1 Name: IHE Technical Framework 6.0-II-4 4.8 Modality Images
Stored - CT

6.1.2 ID: M-IHE6.0-II-4-4.8MIS-CT

6.1.3 OID: 1.2.826.0.1002.102.8441.2

6.2 Base scenario document

IHE Technical Framework Volume II Revision 6.0.

NOTE IHE6 specifies a set of profiles of DICOM provisions.

6.3 Message type

Store CT Image.