

DICOM Change Proposal Form

Tracking Information - Administrator Use Only	
Change Proposal Number:	CP-194
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Change Proposal Number: CP-xxx	
Submission Abstract: Add support for ISO-IR 166 Thai TIS 620 character set	
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Organization: National Electronic and Computer Technology Laboratory (Thailand)	
Type of Change Proposal: Addition	Submission date: 1999/10/19
Name of Document: Part 3: Information Object Definitions	Version Number: PS 3.3-1999
<p>Rationale for change: The Thai language uses its own character set defined by Thai Information Standard TIS 620 and registered as ISO IR 166, with a combination of Latin (ASCII) characters in the G0 set and Thai characters in the G1 set.</p> <p>Thai can be implemented easily in DICOM by using single byte character encoding methods that PS 3.5 has defined, in the same manner as Latin character sets (such as ISO IR 100).</p> <p>A Defined Term for Thai needs to be added in Table C.12-1 of PS 3.3.</p> <p>No changes are needed to PS 3.5</p> <p>Note: For further information about TIS 620 see http://thaigate.nacsis.ac.jp/refer/tis620.html.</p>	

Sections of document affected/ Suggest Wording of Change:

Part 3

1. Section 2

Add the following Thai single byte character set to the end of section 2 "Normative references":

TIS 620-2533 (1990) Thai Characters Code for Information Interchange

2. C.12.1.1.2 Specific Character Set

Add the following entries to Tables C.12-2 and C.12-3.

**Table C.12-2
DEFINED TERMS FOR SINGLE-BYTE CHARACTER SETS WITHOUT CODE EXTENSIONS**

Character Set Description	Defined Term	ISO registration number	Number of characters	Code element	Character Set
Thai	ISO_IR 166	ISO-IR 166	88	G1	TIS 620-2533 (1990)
		ISO-IR 6	94	G0	ISO 646

**Table C.12-3
DEFINED TERMS FOR SINGLE-BYTE CHARACTER SETS WITH CODE EXTENSIONS**

Character Set Description	Defined Term	Standard for Code Extension	ESC sequence	ISO registration number	Number of characters	Code element	Character Set
Thai	ISO 2022 IR 166	ISO 2022	ESC 02/13 05/04	ISO-IR 166	88	G1	TIS 620-2533 (1990)
		ISO 2022	ESC 02/08 04/02	ISO-IR 6	94	G0	ISO 646