Change Proposal Number: CP-194

Log Summary: Add support for ISO-IR 166 Thai TIS 620 character set

Type of Change Proposal: Addition

Name of Document: Part 3: Information Object Definitions
Version Number: PS 3.3-1999

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.

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).

A Defined Term for Thai needs to be added in Table C.12-1 of PS 3.3.

No changes are needed to PS 3.5

Note: For further information about TIS 620 see http://thaigate.nacsis.ac.jp/refer/tis620.html.

Sections of document affected/ Suggest Wording of Change:
1. PS 3.3 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. PS 3.3 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

<table>
<thead>
<tr>
<th>Character Set Description</th>
<th>Defined Term</th>
<th>ISO registration number</th>
<th>Number of characters</th>
<th>Code element</th>
<th>Character Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thai</td>
<td>ISO_IR 166</td>
<td>ISO-IR 166</td>
<td>88</td>
<td>G1</td>
<td>TIS 620-2533 (1990)</td>
</tr>
<tr>
<td></td>
<td>ISO-IR 6</td>
<td>ISO-IR 6</td>
<td>94</td>
<td>G0</td>
<td>ISO 646</td>
</tr>
</tbody>
</table>

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

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