

DICOM Correction Proposal Form

Tracking Information - Administration Use Only	
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Submission date	2015/04/01

Correction Number	CP-1492
Log Summary: Alternative Calender and Archeological Patient	
Name of Standard PS3.3	
Rationale for Correction <p>DICOM capable equipment is increasingly being used on patients that were born before the Gregorian Calendar was available or in locations where use of another calendar is important. Use of proleptic Gregorian dates can be problematic and should be identified as such.</p> <p>It is sometimes better that the patient demographics be maintained in the appropriate calendar system for these dates. This does not replace use of the Gregorian system. It is in addition to the Gregorian dates.</p> <p>Dates other than patient birth and death date, such as date of study, are less likely to need this treatment. After all, digital imaging was invented well after the widespread adoption of the Gregorian system. Even in those countries where the Gregorian system is not in use, there are well established reliable conversions between the Gregorian and the local calendar system. The user interface of the imaging system can manage these conversions accurately.</p> <p>An alternative death date is added to deal with archeological patients. These patients often have a date of death assigned, but no date of birth. This date may be just an estimate giving the year or approximate year.</p> <p>Three attributes are added:</p> <ul style="list-style-type: none">• Date of birth in alternative form,• Date of death in alternative form• Name of the calendar used, e.g., "Egyption Regnal" <p>These are all LO with no specified format because the different calendar systems use different notations. All can be represented as strings, but there is no other consistently recognized format.</p> <p>Other elements of the Patient Module such as Responsible Person (0010,2297) and Responsible Organization (0010,2299) appear to be adequate for other management of the archeological patient.</p>	
Correction Wording:	

Table C.7-1. Patient Module Attributes

Attribute Name	Tag	Type	Attribute Description
...			
Patient's Birth Date	(0010,0030)	2	Birth date of the patient.
Patient's Alternative Calendar Birth Date	(0010,003x)	3	Alternative Calendar birth date
Patient's Alternative Calendar Death Date	(0010,003y)	3	Alternative Calendar death date
Patient's Alternative Calendar	(0010,003z)	1C	<p>The alternative calendar used for alternative calendar birth date (0010,003x) and alternative calendar death date (0010,003y)</p> <p>Defined Term:</p> <p><u>PROLEPTIC GREGORIAN</u></p> <p><u>JULIAN</u></p> <p><u>PROLEPTIC JULIAN</u></p> <p><u>EGYPTIAN REGNAL</u></p> <p><u>HEBREW</u></p> <p><u>HIJRI</u></p> <p>Required if either Patient's Alternative Calendar Birth Date (0010,003x) or Patient's Alternative Calendar Death Date (0010,003y) is present. If present when neither of those are present, it shall be "Proleptic Gregorian" to indicate that Patient's Birth Date (0010,0030) is a proleptic gregorian dat</p>

Modify PS 3.3 Table C.7-1

Table 6-1. Registry of DICOM Data Elements

Tag	Name	Keyword	VR	VM
(0010,003x)	Patient's Alternative Calendar Birth Date	PatientAlternativeCalendarBirthDate	<u>LO</u>	<u>1</u>
(0010,003y)	Patient's Alternative Calendar Death Date	PatientAlternativeCalendarDeathDate	<u>LO</u>	<u>1</u>

(0010,003z)	Patient's Alternative Calendar	PatientAlternativeCalendar	LO	1	
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