

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2024/03/24
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Correction Number	CP-2325
Log Summary:	Correct DICOMDIR sample
Name of Standard	PS3.10 2024a
Rationale for Correction:	<p>The DICOMDIR sample listed in PS3.10, Table A.1-1. Directory Content Example contains errors/problems.</p> <ol style="list-style-type: none"> The entry at byte offset {1688} is labeled “Study 1 Directory record” – while the Directory Record Type is [PATIENT]. From the context of the described DICOMDIR “Patient” is correct and expected. So, the label should run “Patient A Directory Record”. Same at byte offset {4624}, shall run “Patient B Directory Record”. (Note: The entry at {6F18} is correctly labeled “Patient C Directory Record”) The Patient ID used for Patient A runs [123-45-6789]. The Patient ID used for Patient B runs [354-18-9122]. The Patient ID used for Patient C runs [523-61-8765]. While 123-45-6789 looks like a dummy ID, the other both IDs look very much like real-life existing Social Security Numbers of the USA (not verified). It is not clear, if they are remains from a “true existing example”. Such should be avoided, especially regarding potential real-life person. There is no need to format those patient IDs to look like US SSN. → Patient IDs shall be replaced with IDs which look like dummy IDs at first view, and are of the same length. The retired SOP Class UID (1.2.840.10008.5.1.4.1.1.5 Nuclear Medicine Image Storage) used in the examples should be replaced with the current SOP Class UID (1.2.840.10008.5.1.4.1.1.20), which though one character longer, is even rather than odd length with one padding character, so will not change the length and thence the offsets do not need to be changed.
Correction Wording:	

Change PS3.10, chapter [A. Example of DICOMDIR File Content \(Informative\)](#)
[Table A.1-1. Directory Content Example](#)

For record {1688}, change current text “Study 1 Directory Record” to “Patient A Directory Record”, and change the Patient ID to “123456789AB”:

{1688} Item Tag	FFFE,E000	Item Data Element (includes the following Data Elements)
Study 1	0004,1400	Offset of the next Directory Record in Directory Entity {4624}
Patient A	0004,1410	Record In-use Flag [FFFFH]

Directory	0004,1420	Offset of Referenced Lower Level Directory Entity { 1828 }
Record	...	...
	0004,1430	Directory Record Type [PATIENT]
Selection	0010,0010	Patient's Name [Patient A]
Keys	0010,0020	Patient ID [123-45-6789] [123456789AB]

For record {4624}, change current text "Study 1 Directory Record" to "Patient B Directory Record", and change the Patient ID to "23456789ABC":

{4624} Item Tag	FFFE,E000	Item Data Element (includes the following Data Elements)
Study 1	0004,1400	Offset of the next Directory Record in Directory Entity {6F18}
Patient B	0004,1410	Record In-use Flag [FFFFH]
	0004,1420	Offset of Referenced Lower Level Directory Entity {5012} ...
Directory	...	
Record	0004,1430	Directory Record Type [PATIENT]
Selection Keys	0010,0010	Patient's Name [Patient B]
	0010,0020	Patient ID [354-18-9122] , [23456789ABC]

For record {6F18}, change the Patient ID to "34567890ABC":

{6F18} Item Tag	FFFE,E000	Item Data Element (includes the following Data Elements)
Patient C	0004,1400	Offset of the next Directory Record in Directory Entity
	0004,1410	{00000000H}
Directory	0004,1420	Record In-use Flag [FFFFH]
Record	0004,1430	Offset of Referenced Lower Level Directory Entity {...}
	...	Directory Record Type [PATIENT]

Selection Keys	0010,0010	Patient Name [Patient C]
	0010,0020	Patient ID [523-61-8765] , [34567890ABC]

For record {2682}, change the Referenced SOP Class UID in File to "1.2.840.10008.5.1.4.1.1.20":

{2682} Item Tag	FFFE,E000	Item Data Element (includes the following Data Elements)
Image 1	...	...

Directory	...	...
Record	0004,1510	Referenced SOP Class UID in File [1.2.840.10008.5.1.4.1.1.5]
	...	[1.2.840.10008.5.1.4.1.1.20]

For record {3420}, change the Referenced SOP Class UID in File to "1.2.840.10008.5.1.4.1.1.20":

{3420} Item Tag	FFFE,E000	Item Data Element (includes the following Data Elements)
Image 2	...	...

Directory	...	...
Record	0004,1510	Referenced SOP Class UID in File [1.2.840.10008.5.1.4.1.1.5]
	...	[1.2.840.10008.5.1.4.1.1.20]
