

DICOM Correction Item

Correction Number		CP-498
Log Summary: Lossy Image Compression Method for images without General Image Module		
Type of Modification	Name of Standard	
Addition	PS 3.3 2004	
Rationale for Correction		
<p>CP 400 added Lossy Image Compression Method to the General Image Module, but not to those image objects that do not include that Module.</p> <p>This is added as a mandatory attribute, since there are as yet not commercial implementations of these IODs in products.</p>		
Sections of documents affected		
PS 3.3		
Correction Wording:		

Add Lossy Image Compression Method to the Enhanced MR Image Module:

C.8.13.1 Enhanced MR Image Module

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**Table C.8.-79
ENHANCED MR IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...
Lossy Image Compression	(0028,2110)	1	<p>Specifies whether an Image has undergone lossy compression.</p> <p>Enumerated Values:</p> <p style="padding-left: 20px;">00 = Image has NOT been subjected to lossy compression.</p> <p style="padding-left: 20px;">01 = Image has been subjected to lossy compression.</p> <p>See C.7.6.1.1.5 for further explanation.</p>
Lossy Image Compression Ratio	(0028,2112)	1C	<p>Describes the approximate lossy compression ratio(s) that have been applied to this image.</p> <p>See C.7.6.1.1.5 for further explanation.</p> <p>May be multivalued if successive lossy compression steps have been applied.</p> <p>Note: For example, a compression ratio of 30:1 would be described in this Attribute with a single value of 30.</p> <p>Required if Lossy Images Compression</p>

			(0028,2110) is "01".
<u>Lossy Image Compression Method</u>	<u>(0028,2114)</u>	<u>1C</u>	<p><u>A label for the lossy compression method(s) that have been applied to this image.</u></p> <p><u>See C.7.6.1.1.5 for further explanation.</u></p> <p><u>May be multivalued if successive lossy compression steps have been applied; the value order shall correspond to the values of Lossy Image Compression Ratio (0028,2112).</u></p> <p><u>Required if Lossy Images Compression (0028,2110) is "01".</u></p>
Icon Image Sequence	(0088,0200)	3	This icon image is representative of the Image.
...			...

Add Lossy Image Compression Method to the Enhanced CT Image Module:

C.8.15.2 Enhanced CT Image Module

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**Table C.8-114
ENHANCED CT IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...
Lossy Image Compression	(0028,2110)	1	<p>Specifies whether an Image has undergone lossy compression.</p> <p>Enumerated Values:</p> <p>00 = Image has NOT been subjected to lossy compression.</p> <p>01 = Image has been subjected to lossy compression.</p> <p>See C.7.6.1.1.5 for further explanation.</p>
Lossy Image Compression Ratio	(0028,2112)	1C	<p>Describes the approximate lossy compression ratio(s) that have been applied to this image.</p> <p>See C.7.6.1.1.5 for further explanation.</p> <p>May be multivalued if successive lossy compression steps have been applied.</p> <p>Note: For example, a compression ratio of 30:1 would be described in this Attribute with a single value of 30.</p>
<u>Lossy Image Compression Method</u>	<u>(0028,2114)</u>	<u>1C</u>	<p><u>A label for the lossy compression method(s) that have been applied to this image.</u></p> <p><u>See C.7.6.1.1.5 for further explanation.</u></p>

			<p><u>May be multivalued if successive lossy compression steps have been applied; the value order shall correspond to the values of Lossy Image Compression Ratio (0028,2112).</u></p> <p><u>Required if Lossy Images Compression (0028,2110) is "01".</u></p>
Icon Image Sequence	(0088,0200)	3	This icon image is representative of the Image.
...		...	