

DICOM Correction Item

Correction Number		CP-519
Log Summary: CT rescale type for localizers should not be HU		
Type of Modification	Name of Standard	
Correction	PS 3.3 2004	
Rationale for Correction		
Projection radiographs such as localizers obtained with CT devices are not in Hounsfield Units, which only apply to cross-sectional images.		
Sections of documents affected		
PS 3.3 C.8.15.3.10		
Correction Wording:		

C.8.15.3.10 CT Pixel Value Transformation Macro

Table C.8-126 specifies the attributes of the CT Pixel Value Transformation Functional Group macro.

- Notes:
1. This Macro is equivalent to the Modality LUT transformation in non Multi-frame IODs.
 2. This in effect specializes the C.7.6.16.2.9 Pixel Value Transformation Macro.

Table C.8-126
CT PIXEL VALUE TRANSFORMATION MACRO ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
Pixel Value Transformation Sequence	(0028,9145)	1	Contains the attributes involved in the transformation of stored pixel values. Only a single Item shall be permitted in this sequence.
>Rescale Intercept	(0028,1052)	1	The value b in relationship between stored values (SV) and the output units. Output units = m*SV + b.
>Rescale Slope	(0028,1053)	1	m in the equation specified by Rescale Intercept (0028,1052).
>Rescale Type	(0028,1054)	1	Specifies the output units of Rescale Slope (0028,1053) and Rescale Intercept (0028,1052). See C.11.1.1.2 for further explanation. If Frame Type (0008,9007) Value 1 of this frame is ORIGINAL and Frame Type (0008,9007) Value 3 is not LOCALIZER , the value shall be HU (Hounsfield Units).