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1 Status Letter Ballot 2 Date of Last Update 2018/03/25 3 Person Assigned David Clunie 4 mailto:dclunie@dclunie.com 5 Submitter Name David Clunie 6 mailto:dclunie@dclunie.com 7 Submission Date 2017/09/24 8 Correction Number CP-1758 9 Log Summary: Incorrect data element tag and name for Center Point Location in Slide Coordinates 10 Name of Standard 11 PS3.3 12 Rationale for Correction: 13 The description of the X, Y and Z offsets uses the wrong name and tag "Image Center Point Location (0040,073A)" rather than the "Image Center Point Coordinates Sequence (0040,071A)"; the tag used is actually Y Offset in Slide Coordinate System (0040,073A)). 15 Either reference the correct sequence, or don't reference the enclosing sequence at all and reference the specific X, Y and Z attributes. 16 Correction Wording:						
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	16					

Amend DICOM PS3.3 as follows (changes to existing text are bold and underlined for additions and struckthrough for removals):

C.8.12.2 Slide Coordinates Module

Table C.8-78. Slide Coordinates Module Attributes

4	Attribute Name	Tag	Туре	Attribute Description
5 6	Image Center Point Coordinates Sequence	(0040,071A)	2	The coordinates of the center point of the Image in the Slide Coordinate System Frame of Reference.
7				Zero or one Item shall be included in this Sequence.
8				See Section C.8.12.2.1.1 for further explanation.
9 10	>X Offset in Slide Coordinate System	(0040,072A)	1	The X offset in millimeters from the Origin of the Slide Coordinate System. See ???.
11 12	>Y Offset in Slide Coordinate System	(0040,073A)	1	The Y offset in millimeters from the Origin of the Slide Coordinate System. See ???.
13 14	>Z Offset in Slide Coordinate System	(0040,074A)	2	The Z offset in microns from the image substrate reference plane (i.e., utilized surface of a glass slide).

C.8.12.2.1 Slide Coordinates Attribute Descriptions 15

C.8.12.2.1.1 Image Center Point Coordinates Sequence

...

18 ??? depicts the Z-axis center point location. The X-axis value of Image Center Point LocationCoordinates Sequence (0040,073A)(0040,071A) shall increase from the Origin toward the Right Edge in Reference Slide Orientation. The Y-axis value of 19 20 Image Center Point LocationCoordinates Sequence (0040,073A)(0040,071A) shall increase from the Origin toward the Label Edge in Reference Slide Orientation. The Z-axis value of Image Center Point LocationCoordinates Sequence (0040,073A)(0040,071A) 21 shall be nominally referenced as zero at the image substrate reference plane (i.e., the top surface of a glass slide) and shall increase 22 in a positive fashion coincident with increased distance from the substrate surface. 23

Alternatively, since WSI uses the X, Y and Z attributes but not the enclosing sequence: 24

??? depicts the Z-axis center point location. The X-axis value of Image Center Point Location (0040.073A) X Offset in Slide Co-25 ordinate System (0040,072A) shall increase from the Origin toward the Right Edge in Reference Slide Orientation. The Y-axis value 26 of Image Center Point Location (0040,073A) Y Offset in Slide Coordinate System (0040,073A) shall increase from the Origin 27 28 toward the Label Edge in Reference Slide Orientation. The Z-axis value of Image Center Point Location (0040,073A) Z Offset in 29 Slide Coordinate System (0040.074A) shall be nominally referenced as zero at the image substrate reference plane (i.e., the top surface of a glass slide) and shall increase in a positive fashion coincident with increased distance from the substrate surface. 30

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