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 14   "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:

1   *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

Attribute Name	Tag	Type	Attribute Description
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. Zero or one Item shall be included in this Sequence. See Section C.8.12.2.1.1 for further explanation.
>X Offset in Slide Coordinate System	(0040,072A)	1	The X offset in millimeters from the Origin of the Slide Coordinate System. See ???.
>Y Offset in Slide Coordinate System	(0040,073A)	1	The Y offset in millimeters from the Origin of the Slide Coordinate System. See ???.
>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

C.8.12.2.1.1 Image Center Point Coordinates Sequence

...

??? depicts the Z-axis center point location. The X-axis value of Image Center Point ~~Location~~**__Coordinates Sequence__** ~~(0040,073A)~~**__(0040,071A)__** shall increase from the Origin toward the Right Edge in Reference Slide Orientation. The Y-axis value of Image Center Point ~~Location~~**__Coordinates 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 ~~Location~~**__Coordinates Sequence__** ~~(0040,073A)~~**__(0040,071A)__** 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.

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

??? depicts the Z-axis center point location. The ~~X-axis value of Image Center Point Location (0040,073A)~~ **__X Offset in Slide Co-ordinate System (0040,072A)__** shall increase from the Origin toward the Right Edge in Reference Slide Orientation. The ~~Y-axis value of Image Center Point Location (0040,073A)~~ **__Y Offset in Slide Coordinate System (0040,073A)__** shall increase from the Origin toward the Label Edge in Reference Slide Orientation. The ~~Z-axis value of Image Center Point Location (0040,073A)~~ **__Z Offset in 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.