

DICOM Correction Item

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| Correction Number | CP-396 |
| Log Summary: Correct TID 4017, 4018, 4020 | |
| Type of Modification | Name of Standard |
| Clarification | PS 3.16-2003 |
| Rationale for Correction When changes to TID 4017, 4018 and 4020 were merged from Supplement 65, Final Text into PS 3.16-2003, some typographical errors were made: TID 4017: <ul style="list-style-type: none">- The ">>" NL is missing from row 7.- The Condition for rows 4, 5, and 6 should be the same as the Condition for row 3 (currently, "4, " is missing) TID 4018: <ul style="list-style-type: none">- The ">" NL is missing from row 5.- The ">>" NL is missing from row 7. TID 4020: <ul style="list-style-type: none">- The Condition for rows 11 and 12 is missing the added " or (0028,0030)"; also make a correction to the code meaning of the concept name, its definition, and French and Japanese translations- The code value of the Concept Name in row 14 should be 112012 | |
| Sections of documents affected | |
| PS 3.16, Annex A, D, E, F | |
| Correction Wording: Update TID 4017, 4018 and 4020 as follows | |

TID 4017
CAD DETECTION PERFORMED
Type: Non-Extensible

| NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|----|--------------------|---------|---|-----|----------|---|---|
| 3 | > HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 4 | > R-HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, <u>4</u> , 5 or 6 shall be present | Shall reference IMAGE content item(s) in the (111028, DCM, "Image Library") |
| 5 | > HAS PROPERTIES | UIDREF | EV (112002, DCM, "Series Instance UID") | 1-n | MC | At least one of row 3, <u>4</u> , 5 or 6 shall be present | |
| 6 | > HAS PROPERTIES | SCCOORD | EV (111030, DCM, "Image Region") | 1-n | MC | At least one of row 3, <u>4</u> , 5 or 6 shall be present | |
| 7 | >> SELECTED FROM | IMAGE | | 1 | MC | XOR row 8 | |
| 8 | >> R-SELECTED FROM | IMAGE | | 1 | MC | XOR row 7 | Shall reference an IMAGE content item in the (111028, DCM, "Image Library") |

TID 4018
CAD ANALYSIS PERFORMED
Type: Non-Extensible

| NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|----|--------------------|---------|---|-----|----------|---|---|
| 3 | > HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 4 | > R-HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | Shall reference IMAGE content item(s) in the (111028, DCM, "Image Library") |
| 5 | > HAS PROPERTIES | UIDREF | EV (112002, DCM, "Series Instance UID") | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 6 | > HAS PROPERTIES | SCCOORD | EV (111030, DCM, "Image Region") | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 7 | >> SELECTED FROM | IMAGE | | 1 | MC | XOR row 8 | |
| 8 | >> R-SELECTED FROM | IMAGE | | 1 | MC | XOR row 7 | Shall reference an IMAGE content item in the (111028, DCM, "Image Library") |

TID 4020
CAD IMAGE LIBRARY ENTRY
Type: Non-Extensible

| NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|----|-----------------|----|--------------|----|----------|-----------|----------------------|
| | | | | | | | |

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|----|----|-----------------|-----|---|----|----------|---|-------------------------------------|
| 11 | > | HAS ACQ CONTEXT | NUM | EV (111026, DCM, "Horizontal Imager -Pixel Spacing") | 1 | MC | Shall be present if (0018,1164) or (0028,0030) is in the Image Instance | UNITS = EV (um, UCUM, "micrometer") |
| 12 | > | HAS ACQ CONTEXT | NUM | EV (111066, DCM, "Vertical Imager -Pixel Spacing") | 1 | MC | Shall be present if (0018,1164) or (0028,0030) is in the Image Instance | UNITS = EV (um, UCUM, "micrometer") |
| 13 | > | HAS ACQ CONTEXT | NUM | EV (112011, DCM, "Positioner Primary Angle") | 1 | UC | May be present if (0018,1510) is in the Image Instance | |
| 14 | > | HAS ACQ CONTEXT | NUM | EV (112011 2 , DCM, "Positioner Secondary Angle") | 1 | UC | May be present if (0018,1511) is in the Image Instance | |

Annex D DICOM Controlled Terminology Definitions (Normative)

| Code Value | Code Meaning | Definition | Notes |
|------------|---|---|-------|
| 111026 | Horizontal Imager -Pixel Spacing | For projection radiography, the h Horizontal physical distance measured at the front plane of an Image Receptor housing between the center of each pixel. For tomographic images, the horizontal physical distance in the patient between the center of each pixel. | |
| 111066 | Vertical Imager -Pixel Spacing | For projection radiography, the v Vertical physical distance measured at the front plane of an Image Receptor housing between the center of each pixel. For tomographic images, the vertical physical distance in the patient between the center of each pixel. | |

Annex E French Translations of Selected Codes used in the DCMR (Normative)

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning | Code Meaning French Language |
|--------------------------|-----------------------|------------|---|---|
| DCM | | 111026 | Horizontal Imager -Pixel Spacing | Espacement horizontal des pixels de l' imageur |

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning | Code Meaning French Language |
|---------------------------------|------------------------------|-------------------|---|--|
| DCM | | 111066 | Vertical Imager -Pixel Spacing | Espacement vertical des pixels de l'imageur |

Annex F Japanese Translations of Selected Codes used in the DCMR (Normative)

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning | Code Meaning Japanese Language |
|---------------------------------|------------------------------|-------------------|---|---------------------------------------|
| DCM | | 111026 | Horizontal Imager -Pixel Spacing | イメージャの水平方向ピクセル間隔 |
| DCM | | 111066 | Vertical Imager -Pixel Spacing | イメージャ垂直方向のピクセル間隔 |