|  |  |
| --- | --- |
| Description: Description: O:\LOGOS\DICOM\DICOM LOGO - MEDIUM.tif | **1300 North 17th Street, Suite 1752 Arlington, VA 22209, USA**  **+1-703- 841-3281**  [http://dicom.nema.org](http://dicom.nema.org/)  E-mail: [**dicom@medicalimaging.org**](mailto:dicom@medicalimaging.org) |

MINUTES

###### DICOM WORKING GROUP SIX

(Base Standard)

**Aug. 12-16, 2013**

### RICA Hotel, Stockholm, Sweden

**Members Present Represented by M T W Th F**

ACR James Philbin x x x x x

GE Healthcare Andrei Leontiev x x x x x

JIRA Yukio Ito p p

PixelMed David Clunie p

Philips Healthcare Bas Revet x x x x x

Siemens Healthcare Bjorn Nolte x x x x x

Toshiba MRI USA Kevin O’Donnell x x x x x

**Members Not Present Voting Representative**

Agfa Healthcare Robert Horn

\*Carl Zeiss Medical Software Tobias Kurzke

Konica Minolta Med. Imaging Michael Laconti

\*Merge Healthcare Ronald Cowan

**Alternate Voting Representatives,**

**Observers, Others Present Affiliation M T W Th F**

Balasubramanian, Shridar Contrast Ad-Hoc/Bayer p p

Bowman, Stefan WG-07/Raysearch x x x x x

Busch, Ulrich WG-07/Varian x x x

Generaux, Brad WG-27/AGFA Healthcare p p p

Kalafut, John Contrast Ad-Hoc/Bayer p p

Klyce, Stephen WG-22/Software Port x x

Liander, Anders WG-07/Raysearch x

McLean, Hakan WG-07/Raysearch x

Norihisha, Matsui Sup 124 p p

Ruf, Reinhard WG-21/Siemens p

Schadt, Christof WG-07/Brainlab x x x

Van Sycle, Don WG-09/ DVS Consulting x x

Vastagh, Stephen MITA x x x x x

Whitby, Jonathan WG-27, WG-10/Vital Images x x x x

(\* = Does not count toward a quorum, P = Phone and/or web, X = Present)

**Presiding Officer:** Bas Revet, Chair

# **Opening**

The Chair called the meeting to order at 08.30 on August 12, 2013. A quorum was present. Members approved the agenda. The minutes of the June 2013 meeting were approved. The Secretary reviewed the antitrust rules.

# **Report on Ballots**

Committee Secretary Stephen Vastagh reported on the ballots distributed following the April 2013 meeting of WG-06. The ballots passed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BALLOT | APPROVE | DISAPPROVE | ABSTAIN | **COMMENTS** |
| CPack 72 | 23 |  | 4 | 3 |
| Sup163 | 23 |  | 5 | 2 |

# **Discussion: CPs in last Letter Ballot CPack-72 - Review of the Comments, Disposition**

The CPs in the Letter Ballot CPack-71 are listed below together with discussion of comments and decision on Final Text or other disposition.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP** | **Name** |  | **Consideration of Comments** | **Dis-position** |
| 375 | Correct CID 4017 | K O’Donnell | B Revet (BR) will refer to WG-22 for SNOMED codes | Passed  On hold FT subject to codes |
| 1173 | Clarify basis for Total Fluoro Time and Total Acquisition Time in XA Dose Report | K O’Donnell |  | FT |
| 1268 | Additional Registration Input Information | U Busch | Aug: New version from Christof, need attribute tag | Passed  On hold FT for tag |
| 1279 | Structural MR known safe private elements and codes for structures | D Clunie |  | FT |
| 1280 | Breast tomo known safe private elements | D Clunie |  | FT |
| 1281 | Correct wrong SNOMED View codes | D Clunie |  | FT |
| 1283 | Cleanup Lossy Image Compression descriptions and conditions | D Clunie |  | FT |
| 1284 | Correct Typos in X-Ray 3D IODs | Bas Revet |  | FT |
| 1286 | Additional Report Section Names | H Solomon | Info received from H Solomon about LOIN Codes | FT |
| 1289 | Note on transitivity of registrations | U Busch |  | FT |
| 1291 | Additional Derivation Codes For Dose Composition | U Busch | Negative ballot, will reballot in different context, substantial changes | On hold  Reballot |
| 1292 | Concept Code For Beam Delivery Instructio | U Busch | Negative vote, substantial comments for WG 07, to be discussed next meeting. KOD advied to copy from Sup 124 solution. | On hold |
| 1293 | Remove Invocation Statement For Scheduled Parameters | U Busch |  | FT |
|  |  |  |  |  |

WG-06 decided and voted unanimously to approve, as **final text**, the CPs as marked above.

# **Discussion of CPs in the Voting Package for Aug 2013**

The CPs listed below have either been proposed for the June VP, at the past meetings, or have been proposed for the VP by being posted in the VP directory of this meeting’s folder. The CPs listed below were reviewed and discussed. The CPs were approved by unanimous vote for inclusion in Letter Ballot (CPack 72) or directed for further work or review as shown below.

[Legend: LB=approved for next CPack, VP=for next meeting’s voting package, AS=remains assigned]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Voting Package for Aug 2013 -- Title** | **Assigned to** | **Highlights of discussions** | **Disposition** |
| 1223 | Additional Items for Dose SR (by IEC PT 61910-1) | B. Revet | Aug 2013: July 2013 WG-02 completed revision. WG-06 made further extensive revisions. HB accepted those. Expecting more LB comments.  June 2013: H Blendinger will have mtg with IEC and could bring back CP later. Kept in the VP subject to input from WG-02.  APR 2013 – Need more discussion with WG-02  NOV 2012-The Chair noted that a t-con is needed between WG-06 and WG-02 and the IEC Committee members (H Blendinger, Chair) to discuss the terminology used. The t-con should be organized in early January 2013. | LB |
| 1274 | Type 1 SQ Empty Items in Functional Groups | D Clunie | AUG 2013: Reviewed July 13 update  APRIL 2013: DC will amend CP to include Type 1  FEB. 2013: Noted that IHE is starting to check for correctness of objects which will stop these kinds of problems. Need to discuss in WG-06 more | LB |
| 1294 | Add "Intended Purpose" and "Echo Peak Position" to the Enhanced Spectroscopy object and include explanation for Zero Fill mechanism | Bas Revet | AUG 2013: remanded to WG-16 for clarification of water reference.  JUNE 2013: Work continues in WG-16. Kept in the VP subject to input from WG-16. | VP |
| 1295 | De-identification method code meaning too long | D Clunie |  | LB |
| 1296 | Correct incorrect Acquisition Start Time attribute name in NM | D Clunie |  | LB |
| 1297 | Correct incorrect Acquisition Start Time attribute name in NM | D Clunie | AUG 2013: wait for more discussion with D Clunie | VP |
| 1298 | Update description of Detector ID de-identification | D Clunie |  | LB |
| 1299 | Add volume based calculation technique for tomosynthesis | D Clunie | June 2013: Discussed with WG-15. This is complex and WG-15 needs to review it. | LB |
| 1300 | Include PPS End Date & Time in Composite IODs and de-identification | D Clunie |  | LB |
| 1301 | Clarify Distance Source to Patient in Mammo and CR | D Clunie | AUG 2013: WG-06 discussed, revised | LB |
| 1302 | Correct example of Chinese encoding | A Leontiev | AUG 2013: more editorial revisions  JUNE 2013: Discussed the carat issue and added to CP draft. | LB |
| 1303 | Correct HAS CONCEPT MOD-NUM relationships | A Leontiev |  | LB |
| 1304 | Various corrections related to MPEG-4 AVC/H.264 Transfer Syntax | D. Clunie |  | LB |
| 1305 | Correct TID 10001 template structure figure | B Revet |  | LB |
| 1306 |  | D Clunie | This is Part 2 (CID) of CP 1279. See April 2013 mtg. | LB |

# **Letter Ballot CPack-73**

WG-06 decided unanimously to submit for legal review and thereafter circulate in a **Letter Ballot,** for vote by the DICOM Standards Committee, the Correction Proposals (CPs) listed below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Letter Ballot to Be Issued CPack-73 – Title** |  |  |  |
| 1223 | Additional Items for Dose SR (by IEC PT 61910-1) | B. Revet |  |  |
| 1274 | Type 1 SQ Empty Items in Functional Groups | D Clunie |  |  |
| 1295 | De-identification method code meaning too long | D Clunie |  |  |
| 1296 | Correct incorrect Acquisition Start Time attribute name in NM | D Clunie |  |  |
| 1298 | Update description of Detector ID de-identification | D Clunie |  |  |
| 1299 | Add volume based calculation technique for tomosynthesis | D Clunie |  |  |
| 1300 | Include PPS End Date & Time in Composite IODs and de-identification | D Clunie |  |  |
| 1301 | Clarify Distance Source to Patient in Mammo and CR | D Clunie |  |  |
| 1302 | Correct example of Chinese encoding | A Leontiev |  |  |
| 1303 | Correct HAS CONCEPT MOD-NUM relationships | A Leontiev |  |  |
| 1304 | Various corrections related to MPEG-4 AVC/H.264 Transfer Syntax | D. Clunie |  |  |
| 1305 | Correct TID 10001 template structure figure | B Revet |  |  |
| 1306 |  | D Clunie |  |  |
|  |  |  |  |  |

# **Discussion of assigned CPs (CPs in the “Assigned” meeting folder and other previously assigned CPs)**

(The table below records discussion of CPs that were NOT in the last Letter Ballot CPack 72 (Table 3) and were NOT in the current (Aug 2013) Voting Packet (Table 4.)

[Legend: LB=approved for next CPack, VP=for next meeting’s voting package, AS=remains assigned]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Title** | **Assigned to** | **Discussion** | **Dis-position** |
| 1287 | Add Structure Classification Code to RT Structure Set | U Busch | AUG 2013: move to VP  APRIL 13: It was mentioned that the use of ‘enhanced’ may be confusing with multiframe. Other issues have been identified. Will be rewritten.  FEB 13: Attribute names must be valid. None proposed. | VP |
| 1290 | Correct ROI Physical Property Value for Elemental Composition | U Busch | AUG 2013: Currently misused, WG-07 fix would allow wrong practice of entering filler value | AS |
| 1307 | MR rescaling known safe private elements | D. Clunie | AUGUST 2013: KODonnell and A Leontiev commented that inclusion of private tags should be further discussed | VP |
| 1308 | Correct code meaning of Density in Mammography CAD SR | D. Clunie |  | VP |
| 1309 | Correct references to other standards | A Leontiev |  | VP |
| 1310 | Provide succinct definition of DICOM | A Leontiev |  | VP |
| 1311 | Prohibit \* and ? in Patient ID and Name | A Leontiev | AUGUST 2013: more discussion is needed w/ DClunie | VP |
| 1312 | Add Report Titles to CID 7000 | A Leontiev |  | VP |
| 1313 | Wrong reference in KOS Document | U Busch |  | VP |
| 1314 | Add Category Code Sequence to RT Structure Set | U Busch | AUGUST 2013: discussed to use segmentation | VP |
| 1315 | Common Instance Reference Module is mandatory in VL Whole Slide Microscopy IOD | U Busch |  | VP |
|  |  |  |  |  |

# **VP (Voting Package) for October 2013**

Based on discussions and decisions as recorded in Tables 3, 4, and 6, the Voting Package for the next meeting includes: (CPs are copied from previous tables for convenient reference.)

VP=for next meeting’s voting package

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CP# | Title | Assigned | Discussion | Disposition |
| 1287 | Add Structure Classification Code to RT Structure Set | U Busch | AUG 2013: move to VP  APRIL 13: It was mentioned that the use of ‘enhanced’ may be confusing with multiframe. Other issues have been identified. Will be rewritten.  FEB 13: Attribute names must be valid. None proposed. | VP |
| 1294 | Add "Intended Purpose" and "Echo Peak Position" to the Enhanced Spectroscopy object and include explanation for Zero Fill mechanism | Bas Revet | AUG 2013: remanded to WG-16 for clarification of water reference.  JUNE 2013: Work continues in WG-16. Kept in the VP subject to input from WG-16. | VP |
| 1297 | Correct incorrect Acquisition Start Time attribute name in NM | D Clunie | AUG 2013: wait for more discussion with D Clunie | VP |
| 1307 | MR rescaling known safe private elements | D. Clunie | AUGUST 2013: KODonnell and A Leontiev commented that inclusion of private tags should be further discussed | VP |
| 1308 | Correct code meaning of Density in Mammography CAD SR | D. Clunie |  | VP |
| 1309 | Correct references to other standards | A Leontiev |  | VP |
| 1310 | Provide succinct definition of DICOM | A Leontiev |  | VP |
| 1311 | Prohibit \* and ? in Patient ID and Name | A Leontiev | AUGUST 2013: more discussion is needed w/ DClunie | VP |
| 1312 | Add Report Titles to CID 7000 | A Leontiev |  | VP |
| 1313 | Wrong reference in KOS Document | U Busch |  | VP |
| 1314 | Add Category Code Sequence to RT Structure Set | U Busch | AUGUST 2013: discussed to use segmentation | VP |
| 1315 | Common Instance Reference Module is mandatory in VL Whole Slide Microscopy IOD | U Busch |  | VP |
|  |  |  |  |  |

# **List of Assigned CPs that were discussed at this meeting and remain “Assigned”** As recorded in Tables 4, 5, and 6 (CPs are copied from previous tables for convenient reference)

# AS=assigned / remains assigned

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Dis-position** |
| 1290 | Correct ROI Physical Property Value for Elemental Composition | U Busch | AUG 2013: Currently misused, WG-07 fix would allow wrong practice of entering filler value | AS |
|  |  |  |  |  |

# **New CPs Submitted that were assigned a CP Number and an Editor**

The following new change proposals were received and posted in the “New” subdirectory of the meeting folder. CP numbers shown were assigned by WG-06. They will be placed in the “Assigned” folder of the next WG-06 meeting:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP# assigned** | **New Correction Proposals -- Title** | **Assigned to** | **Discussion** | **File ID** |
| 1316 | Clarify exact windowing function | DClunie |  | Dac 226 |
| 1317 | Refactor Accumulated Projection X-Ray Dose Templates | DClunie |  | Dac 227 |
| 1318 | RDSR From MPPS Without Exposure Dose Sequence for Projection Radiography | DClunie |  | Dac 228 |
| 1319 | Frame Of Reference Reliability | U Busch | August 2013: How to record whether FOR is correct. KOD noted that all changes should be a different FOP with mapping | FOR reliability\_3 |
| 1320 | Update to CID 3411 Intracoronary Devices | A Leon-tiev |  | HS68 |
| 1321 | Add Telecom Addresses | A Leon-tiev |  | HS69 |
| 1322 | Add Consulting Physician | A Leon-tiev |  | HS70 |
| 1323 | Clarify Audit Code Meanings | R Horn | Clarify Codes | RJH27 |
| 1324 | Add a new Value Representation for URI/URLs | J Philbin |  | jfp-01 |
| 1325 | Add Contrast Relaxivity (MR) information to Enhanced Contrast/Bolus module | B Revet |  | Cp-wg16 |
| 1326 | Volume to Transducer Mapping transformation may not be constant | B Revet |  | CP-wg12Enh US Vol |
| 1327 | Correct Type of Wedge Position Sequence | U Busch |  | RT 38 |
| 1328 | Range of Angular Values using IEC Geometry Definitions | U Busch |  | RT 40 |
| 1329 | Add Indication For Dose Of Delivery | U Busch |  | RT 41 |
| 1330 | RT Image Attribute Completion | U Busch |  | RT 43 |
| 1331 | Treatment Time in RT Plan | U Busch |  | RT  44 |
|  |  |  |  |  |

# **New CPs Submitted– No CP Number Assigned**

“Increase the length of AE titles and station-names for readability” jfp-02. J. Philbin proposed this as a CP. The group discussed that this is not possible. Andrei suggested to add station names.

Note: The comprehensive list of all CPs (including all FT and cancelled) is posted in this meeting’s folder.

# **Other Discussions- CP Related or prompted by CP Discussions**

# None.

# **CPs on Hold**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** |  |
| 375 | Correct CID 4017 | K O’Donnell | B Revet (BR) will refer to WG-22 for SNOMED codes | FT PassedOn hold |
| 1071 | Additions to various CIDs of Supplement 78 | B. Revet | Waiting for SNOMED Codes | FT PassedOn hold |
| 1268 | Additional Registration Input Information | U Busch | Aug: New version from Christof, need attribute tag | FT PassedOn hold |
| 1291 | Additional Derivation Codes For Dose Composition | U Busch | Negative ballot, will reballot in different context, substantial changes | On hold  Reballot |
| 1292 | Concept Code For Beam Delivery Instructio | U Busch | Negative vote, substantial comments for WG 07, to be discussed next meeting. KOD advied to copy from Sup 124 solution. | On hold |
|  |  |  |  |  |

# **List of all remaining assigned CPs at the end of this WG-06 meeting**

(AS=assigned)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** |  |
| 145 | Curve Data Value Representation Clarification | D. Clunie |  | AS |
| 235 | Clarify NM detector start angle usage | J. Pohlhammer |  | AS |
| 296 | Eliminate Duplicate Terms and Provide Missing Definitions | H. Solomon |  | AS |
| 430 | Additions to PS 3.16 for Cardiac Cath SR | H. Solomon |  | AS |
| 450 | Correct Myocardium Mass |  | Note: submitter was Doug Sluis | AS |
| 464 | Add SOP Common to the Print-related N-CREATEs | R. Horn |  | AS |
| 471 | Add Common Finding Template | H. Solomon |  | AS |
| 591 | Attribute Identifier List for Errors in Sequence Attributes | H. Solomon |  | AS |
| 596 | Add Request and Schedule Information to Results and MPPS | R. Horn |  | AS |
| 597 | Instance Availability Notification Structure | H. Solomon |  | AS |
| 757 | Add RTSS ROI Feature UID | H. Solomon |  | AS |
| 802 | Incorporate Fixes on 702 and 706 | D. Clunie |  | AS |
| 804 | Indicator for Cone Beam CT | K. O’Donnell |  | AS |
| 811 | Note for Forwarders Regarding SCP-assigned  Instance UIDs during N-CREATE | D. Harvey |  | AS |
| 812 | Clarification that Pixel Padding Value Is a Raw  Value before Any Transformations | D. Harvey |  | AS |
| 833 | Transfer Syntax Availability and Selection for Q/R | R. Horn |  | AS |
| 836 | Clarify Usage of Attributes for Normalized IODs | K. O’Donnell |  | AS |
| 838 | Consistent Naming of Error Code Tables | K. O’Donnell |  | AS |
| 934 | Fix Inconsistency of C-FIND Only Number of Patient Related XXX Attributes | D. Harvey |  | AS |
| 941 | More Clarification of Instance References | D. Clunie |  | AS |
| 991 | Clarify Handling of Private Data in the Retrieve Without Bulk Data Service | R. Horn |  | AS |
| 992 | Clarify Allowable Length Values for Certain PDUs | K. O’ Donnell |  | AS |
| 1005 | Make Keywords Valid Java/C Identifiers | R. Horn |  | AS |
| 1006 | Add Keywords to Command Dictionary | R. Horn |  | AS |
| 1013 | RT Ion Beams Recording Clarifications | WG-07 |  | AS |
| 1019 | Add Body Part at the Study Level | K O’Donnell |  | AS |
| 1030 | Re-factor Common Attributes for Enhanced Images | B. Revet |  | AS |
| 1031 | Use of OIDs and Non-ASCI Characters in Codes | R. Horn |  | AS |
| 1032 | Fix Position Angle Sign Inconsistency in Mammography Image | K. O’Donnell |  | AS |
| 1066 | Encoding of Attributes with Value Length > 64KiB with Explicit VR | R. Horn |  | AS |
| 1086 | New DICOMDIR ZIP File Extension | R. Horn |  | AS |
| 1106 | Assign a Namespace for Audit Schema Elements | R. Horn |  | AS |
| 1115 | Add Dose Reference Point Codes for CR/DR | K. O’Donnell |  | AS |
| 1126 | Corrections LOINC Codes Sup78 | B. Revet |  | AS |
| 1127 | Add Fields for Organ Dose to Dose SR | K. O’Donnell |  | AS |
| 1163 | Conformance for Application Hosting | H Solomon |  | AS |
| 1180 | Use LOINC\_Short Name | H. Solomon | Was in Aug 12 VP | AS |
| 1189 | Add usage of Temporal Position Time Offset to Per Frame content Macro as needed for Enhanced MR and Enhanced CT objects. | W. Corbijn |  | AS |
| 1196 | Add phantom-specific Total DLP Values to allow for Head and Body in same RDSR scope of accumulation | D. Clunie | Need to be discussed in WG-21 | AS |
| 1203 | PDR Pulse Details in RT Brachy Session Record | U. Busch |  | AS |
| 1207 | Change Multi-frame Dimension module usage to “User Option” for IVOCT IOD | B. Revet | Tom Probasco-WG-06 needs more information and examples for when it is meaningful [BR to contact TP] | AS |
| 1208 | Clarify the unambigous use of Private Creator Data | B. Revet | B Revet clarified that the intent of the CP is to prevent the same identifier issued for different blocks. It was suggested to state that the “same privet creator shall not be used for different blocks.”  ACTION: B Revet will reword it to include more normative text and include examples in the notes. Also make it clear that there is no implication in the order of the blocks. | AS |
| 1217 | Add Extensible SR SOP Class for new types of Content Item | D.. Clunie | June discussion: Postponed discussion when D Clunie and R Horn are present in Aug  ++++++++++++++++++++++++++++++  August: should there also be a Supplement developed instead of a CP? Discussed what warning might need to be given if content is not understood. The question was posed whether this should be pursued. It was noted that SR cannot handle many content such as vectors (e.g. BP waveform.) Members were concerned of safety but acknowledged the value of this CP. Another value is the advancement of SR in general. This CP could add contents of the Evidence Document. It was suggested to include a few illustrations. | AS |
| 1224 | Add Expiration Date to UPS | K O’Donnell |  | AS |
| 1225 | Add Procedure Step Completion Codes to UPS | K. O’Donnell |  | AS |
| 1226 | Add more specific post-processing codes to CID 9231 | K. O’Donnell |  | AS |
| 1227 | Fix Estimated Dose Saving attribute | K. O’Donnell |  | AS |
| 1228 | Correct inconsistency between Table C.30.3-1 and Table CC.2.5-3 of UPS | K O’Donnell |  | AS |
| 1241 | Restrict claming UPS Workitems AS to another AE | K O’Donnell |  | AS |
| 1274 | Type 1 SQ Empty Items in Functional Groups | A. Leontiev | APRIL 2013: DC will amend CP to include Type 1  FEB. 2013: Noted that IHE is starting to check for correctness of objects which will stop these kinds of problems. Need to discuss in WG-06 more | AS |
| 1278 | Additional cardiac image types for enhanced CT | D Clunie |  | AS |
| 1282 | Value Multiplicity of Positioner Increments in 3D X-Ray and Breast Tomo | D Clunie | APRIL 2013: revision not yet made  FEB 2013: Needs more work before VP.. DC will talk to the submitter and J Keyes | AS |
| 1285 | Add Irradiation Event UID to X-Ray 3D IODs | Bas Revet |  | AS |
|  |  |  |  |  |
| 1288 | Add templates and code definitions for QAPV support | U Busch |  | AS |
| 1290 | Correct ROI Physical Property Value for Elemental Composition | U Busch | AUG 2013: Currently misused, WG-07 fix would allow wrong practice of entering filler value | AS |
| 1316 | Clarify exact windowing function | DClunie |  |  |
| 1317 | Refactor Accumulated Projection X-Ray Dose Templates | DClunie |  |  |
| 1318 | RDSR From MPPS Without Exposure Dose Sequence for Projection Radiography | DClunie |  |  |
| 1319 | Frame Of Reference Reliability | U Busch | August 2013: How to record whether FOR is correct. KOD noted that all changes should be a different FOP with mapping |  |
| 1320 | Update to CID 3411 Intracoronary Devices | A Leon-tiev |  |  |
| 1321 | Add Telecom Addresses | A Leon-tiev |  |  |
| 1322 | Add Consulting Physician | A Leon-tiev |  |  |
| 1323 | Clarify Audit Code Meanings | R Horn | Clarify Codes |  |
| 1324 | Add a new Value Representation for URI/URLs | J Philbin |  |  |
| 1325 | Add Contrast Relaxivity (MR) information to Enhanced Contrast/Bolus module | B Revet |  |  |
| 1326 | Volume to Transducer Mapping transformation may not be constant | B Revet |  |  |
| 1327 | Correct Type of Wedge Position Sequence | U Busch |  |  |
| 1328 | Range of Angular Values using IEC Geometry Definitions | U Busch |  |  |
| 1329 | Add Indication For Dose Of Delivery | U Busch |  |  |
| 1330 | RT Image Attribute Completion | U Busch |  |  |
| 1331 | Treatment Time in RT Plan | U Busch |  |  |
|  |  |  |  |  |

**14. Supplement 121 – Modality Procedure Plan and Protocol Storage {WI 2006-04-E}**

This was a continued reading to obtain approval for Public Comment.

K. O’Donnell (KOD) presented the draft document. It included material from the recent discussions of WG-21 and subsequent changes. WG-06 provided comments that were noted as revisions and/or comments in the document. The substantive points have been approved; however, the discussions will have to be reflected in the document before the Supplement is circulated for Public Comments. A t-con will be held on Sept. 6, 2013 to review Sup 121.

The Supplement **will return** for a reading to confirm the final inclusion of approved revisions.

1. **Supplement 124 – Communication of Display ParaKEVmeters {WI 2004-12-B}**

This was a continued reading to obtain approval for Public Comment.

K. O’Donnell presented the draft Supplement on behalf of Norihisha Matsui and Masatoshi Kanzaki of WG-11 who were connected by phone from Japan. The version presented was <sup124\_22doc> which was previously posted in the meeting folder. The revisions were re-posted as <sup124\_23doc>.

The Supplement was approved for **Public Comment.** Prior to issue, the editorial changes will be finalized.

It was decided to engage the Japanese manufacturers and users in the PC review; JIRA will provide a list.

1. **Supplement 147 – Second Generation Radiotherapy {WI 2007-06-B}**

This was a continuation of reading for Public Comment. U. Busch presented < sup147\_42.doc> . This document included changes directed by WG-06 and made pursuant to recent WG-07 meetings, the last having been on Aug. 8-10. Good progress was made.

The history and issues list etc. were removed for the reading and public comment preparation (expected to be version 43). The notes of the current proceedings are included on a Reading-Notes document in the WG-07 ftp folders. The items discussed included:

* Numerous wordings, etc have been updated, but generally not critical
* R3 was noted (definitions) as an area for people to review the changes.
* Reviewed the “Operation State Macro”, removing the assertion macro and adding attributes to this macro.
* Conceptual Volume (R9) “Reference” Macro may need to have the “reference” removed, as it appears to cause confusion.
* The ‘extended’ macro was also renames to indicate ‘combination and segmentation’ macro.
* There are additional macros below this that will have to be renamed as well; work still to be done.  Concern was expressed that the macro actually instantiating the volume should be better defined as a result.
* The combination sequence C.AA.2.6.1.1 was also restructured, including the discussion, and should be reviewed by all.
* Current Open Issues
* Late comments from WG-06 suggested a split of combination and segmentation parts of the macro, for those instances where only one is allowed (Kevin).
* There was some concern over the definition of “Exclusion” in the combination sequence.  It was decided not to try and put definitions of Boolean algebra in the text.
* WG-06 requested to add union of disjoint organs and negation examples.

The Supplement will return to WG-06 for continued reading for Public Comment.

# **Supplement 163, STOW (Store Over the Web) [WI-2011-09-B]**

The Supplement was approved in Letter ballot.

The comments from GE, AAOMR, Hologic, and AGFA were processed and accepted and the Final Text was developed and finalized.

# **Supplement 164 – Contrast Agent Administration Reporting [WI-2011-04-A]**

This was a continuation of reading for Public Comment.

Detailed technical discussion of several issues was conducted, including:

* WG-06 discussed and closed most of the open issues.
* Discussed on design of "Defined" and "Basic" objects, if we should add separate IE definitions for "Defined" and "Basic" Substance Admin. objects. We then decided to make "Defined" object indenependent of 'Substance Administration IE' in SR style and add attribute based Substance-Administration-IE separately, to use it under "Basic" object.
* Discussed on behavior of Infusion-manager (implementer of sup 164) upon discontinued or un-attempted contrast-procedures.
* Decided to add 'Equipment IE' part of "Defined" object.
* Tweak the item descriptions for TID xxxx2, TID xxxx3, TID xxxx5
* Reviewed Planned object and related templates until TID xxxx6 [Substance Admin. Consumables]
* Reviewed CID xxxx9, CID xxxx12, CID xxxx13, CID xxxx14.

The Supplement will **return** to WG-06 for continued reading, in October 2013. 

# **Supplement 166, QIDO-RS (Query based on ID for DICOM Objects by RESTful Services) [WI-2011-09-B]**

This was a reading for Letter Ballot.

J. Whitby presented the document <sup166\_lb\_draft\_01.docx, as well as -02 and 03.docx.

The Supplement was approved for **Letter Ballot.**

# **Supplement 168, Corneal Topography Mapping Storage [WI-2006-04-F]**

This was a reading for Letter Ballot of the document <sup168\_draftLB\_08062013.doc>

The public comments have been reviewed and processed and the document was approved for **Letter Ballot.**

# **Future Meetings**

* T-con, Sept. 10, 2013 for Sup 121 review for PC
* T-con, TBD for Sup 159 review for LB
* Meeting Oct. 14-18, 2013 in Arlington, VA
* Jan. 6-10, 2014, Arlington, MITA HQ, VA, USA
* March 31-Apr. 4, 2014, Arlington, MITA HQ, VA, USA
* June 23-27, 2014, Edinburgh, UK
* Sept. 8-12, 2014, Arlington, MITA HQ, VA, USA
* Nov. 10-14, 2014, Arlington, MITA HQ, VA, USA

# **Next Meeting Agenda**

A detailed agenda for the next meeting (Aug. 2013) has been discussed and decided.

# **Adjournment**

The meeting recessed at 17.30 daily and resumed at 08.30 the next day. The meeting was adjourned at 12.00, on Aug. 16, 2013.

Reported by: Stephen Vastagh, Secretary

Reviewed by counsel: CRS 2013-10-03