|  |  |
| --- | --- |
| Description: Description: O:\LOGOS\DICOM\DICOM LOGO - MEDIUM.tif | **1300 North 17th Street, Suite 900 Arlington, VA 22209, USA**  **+1-703- 475-9217**  [http://dicom.nema.org](http://dicom.nema.org/)  E-mail: [**dicom@medicalimaging.org**](mailto:dicom@medicalimaging.org) |

MINUTES

###### DICOM WORKING GROUP SIX

(Base Standard)

**November 10-14, 2014**

### MITA/NEMA HQ

### Arlington, VA

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

ACR James Philbin x x x x x

Agfa Healthcare Robert Horn x x x x x

Carl Zeiss Medical Software Karl-Heinz Fleischer p

GE Healthcare Andrei Leontiev p

JIRA Yukio Ito x x xx

\*Konica Minolta Med. Imaging Michael Laconti p

PixelMed David Clunie x x p p x

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**

\*Merge Healthcare Ronald Cowan

**Alternate Voting Representatives,**

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

Shridar Balasubramanian WG-06-Contrast/Bayer p p

Ulrich Busch WG-07/Varian x x x

Wim Corbijn WG-06 x x x x x

Andrey Fedorov WG-18/Brigham Women’s p

Andreas Klingler WG-11/Siemens p p

Florian Knicker WG-13/Panasonic p

Kowalczyk, Luiza MITA x x x x x

Luszcz, Joe WG-11/Philips p p

Schadt, Christof WG-07/Brainlab x x

Francisco Sureda WG-02/GE Healthcare p p

Makoto Suzuki JIRA x x x

Keith Thornton WG-13/Carl Zeiss Medical p

Vastagh, Stephen MITA x x x x x

Whitby, Jonathan WG-11/Toshiba x x x

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

**Presiding Officer:** Bas Revet, Chair

# **Opening and Administrative**

The Chair called the meeting to order at 08.30 on November 10, 2014. A quorum was present. Members approved the agenda. The minutes of the previous meeting was approved. The Secretary reviewed the antitrust rules.

In response to the Chair’s invitation, R. Horn agreed to serve as Chair following D. Clunie’s offer to manage the final editing of the CPs. The Group thanked Bas for his service. The Secretary invited the Group to participate in a dinner in the Meeting Room, to be hosted by MITA/NEMA.

# **Report on Ballots**

The Secretary reported that the ballots distributed following the September,2014 meeting of WG-06 had passed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BALLOT | APPROVE | DISAPPROVE | ABSTAIN | **COMMENTS** |
| CPack-78 | 31 | 3 | 10 | 37 |
| Sup 171 | 17 | 0 | 7 | 2 |
| Sup 172 | 18 | 0 | 7 | 4 |

# **CPack-78 Ballot Results: Review of the Comments, Disposition of the CPs**

The Group reviewed the LB comments and decided on Final Text or other action as shown below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Titles in CPack-78** | **Assigned to** | **Review of Comments & Discussion** | **Disposition** |
| 1350 | Add WADO-RS as a retrieval mechanism for referenced Instances | J Philbin | NOV 2014: accepted comments, accepted  SEPT 2014:  JUNE 2014: Combine w/ CP 1352  MARCH 2014: WG-06 reviewed, no comments | FT |
| 1366 | Correction of Relationships in Planar and Volumetric ROI Templates | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1367 | Correct errors in Colon CAD SR IOD Template Figures | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1368 | Space should be listed in DS and IS VR character repertoire | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1369 | Relax device identifier constraint in x-ray irradiation event per CP 1065 undone by CP 1077 | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1370 | Conformance Statement Example is Missing Private Creator Value | D Clunie | SEPT 2014: DC explained rationale  JUNE 2014: Approved for VP | FT |
| 1371 | Length of TM permitted is too long | D Clunie | NOV 2014: JAHIS cmt not accepted,  JAHIS Reps present agree  SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1372 | Add NCI Thesaurus as Coding Scheme | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1373 | Add Alzheimer’s Disease PET Radiotracers | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1374 | Add Zr 89 Monocolonal Antibody PET Radiotracers | D Clunie | SEPT 2014: Discussed coding authority. SNOMED is hard to deal with nowadays  JUNE 2014: Approved for VP | FT |
| 1375 | Add Various PET Radionuclides and Radiotracers | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1376 | Add Individual Long Bone Concepts to Anatomic Region and Body Part Examined | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1377 | Use SNOMED Code for Radiopharmaceutical | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1378 | Add Anatomic Codes for Fetal Biometry and Pelvic Ultrasound | D Clunie | SEPT 2014: Discussed DTID 300  JUNE 2014: Approved for VP | FT |
| 1379 | Add Definitions for all DCM Controlled Terms or Replace with Terms from External Lexicon | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1380 | Various NM Radionuclides are not list in CID 18. Add them, using DCM codes if necessary for those not in SNOMED or UMLS. | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1381 | Add term "Flat Filter" for Filter Types used in Proj. X-Ray | B. Revet | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1382 |  | B. Revet | NOV 2014: Decided to cancel  SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | Cancel |
| 1383 | Add external resource URI to MWL | A Leontiev | SEPT 2014: R Horn noted that this will be extensively abused. He noted related use of FHIR resources. Also, DC withdrew objection.  JUNE 2014: Approved for VP | FT |
| 1384 | Update values in CID 3722 | A Leontiev | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1385 | Add ‘Measurement Laterality’ to General Ophthalmic Refractive Measurements Module | R Horn | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1386 | Addition of Measurement Report Root Template for Planar and Volumetric ROIs | D Clunie | NOV @)!$: Discussed HS Suggestions for Radlex CodesSEPT 2014: Add missing code to CID cc1c2. The Group reviewed the CP in detail.  JUNE 2014: Approved for VP | FT |
| 1387 | Addition of Quantity Descriptors to Real World Value Maps | D Clunie | NOV 2014:  SEPT 2014: pertains to Sup 172  JUNE 2014: Approved for VP | FT |
| 1388 | Add Real World Value Map Reference to Measurements | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1389 | Factor Common Descriptions Out of Image Library Entries | D Clunie | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1390 | Generalize Concepts in Abstract Multi-dimensional Image Model Component Semantics | D Clunie | SEPT 2014: CP stems from Use Cases in WG-30 related project  JUNE 2014: Approved for VP | FT |
| 1391 | Addition of Quantity Descriptors for Perfusion and Tracer Kinetic Modelling | D Clunie | SEPT 2014: Some definitions need to be changed.  JUNE 2014: Approved for VP | FT |
| 1392 | Addition of Quantity Descriptors and Measurements for PET | D Clunie | SEPT 2014: Reviewed, discussed  JUNE 2014: Approved for VP | FT |
| 1393 | Correct Tag Numbers For BLD Adjusted Positions | U Bush | NOV 2014: already in standard but keep CP  SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1394 | Add Radioactive Source Model ID to RT Brachy Application Setups Module | U Bush | SEPT 2014: Minor revisions made  JUNE 2014: Approved for VP | FT |
| 1395 | Extend RT Structure Set ROI Color | U Bush | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1396 | Clarify Dose Value units for DVH in RT Dose | U Bush | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1397 | Multiplicity Structure Classification Code | U Bush | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1398 | Add FOR Module to RTSS IOD | U Bush | NOV 2014: Revised Note 2 to 2014b and changed “will”  SEPT 2014: Change shall to will in Note 2, other editorial in Note 2  JUNE 2014: Approved for VP | FT |
| 1399 | Add Effective Wedge Angle | U Bush | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |
| 1400 | Assign WADO-WS namespace and schema | J Philbin | NOV 2014: Action item remains: register DICOM as URN with IETF SEPT 2014: R Horn mentioned that DICOM has not yet registered the URN asked WG-27 to make registration  JUNE 2014: Approved for VP | FT |
| 1401 | Clarify meaning of PARTIAL in X-Ray RDSR | B Revet | SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | FT |

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

Discussion on CP 1373, 1374, 1375

Research agents: even if not approved by FDA, are used on real PTs

D. Clunie described the history since February 2014 involving SNM and many other people within and without DICOM WG-03 bringing domain code expertise

WG-06 members had a consensus that the DICOM codes could easily be changed if a register would emerge

WG-06 recognized that H. Solomon could not find/assign SNOMED Codes for these materials.

# **Voting Package (VP) for Nov 2014**

The CPs listed below have either been approved for the Nov. VP at the Sept. 2014 meeting or have been readied for this Voting Package, following the Sept. 2014 meeting. The CPs listed below were reviewed and discussed. The CPs were either approved by unanimous vote for inclusion in the next Letter Ballot (CPack 79) or were directed for further work (remained “Assigned”) as shown below.

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Disposition** |
| 1031 | Use of OIDs and Non-ASCI Characters in Codes | R. Horn | NOV 2014: Cannot avoid braking implementations. Version 7 was prepared during the meeting and approved for LB.  SEPT 2014: Lengthy discussion and revision of CP. Version 05 was approved for LB. more below the table  JUNE 2014: Will use DICOS tags, will rename code value. consider the tag  Why are we introducing UC? Why 1023 code values.  On Hold: Discuss when R. Horn is present.  MARCH 2014: SNOMED-larger character limit. 16 character limit is a problem: discussed the failure modes resulting from this. KOD noted that it would be helpful to receive feedback from implementers. D Clunie expressed concerns about this direction. It was noted that so far codes are alphanumeric | LB |
| 1403 | Clarify use of DIMSE service Status codes | A Leontiev | NOV 2014: Clarifies standard. vp version approved for LB  SEPT 2014: Approved for Nov. VP  JUNE 2014: New, received CP number | LB |
| 1404 | Correct Condition on Exposure in Projection X-Ray RDSR | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1405 | Replace BI-RADs codes that have SNOMED equivalents | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1406 | Add codes for tumor sites | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1407 | Add diffusion tractography related sites | D Clunie | NOV 2014: . vp3 version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1408 | Add NeuroNames as Coding Scheme | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1409 | Add Conformance Storage Media Categories | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1410 | Clarify Lossy Image Compression Ratio | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1411 | Reserved Group for Known Safe Private Elements | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1412 | LOINC code updates in SR templates and context groups | D Clunie | NOV 2014: . vp2 version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1417 | Clarify use and declaration of private mapping resource | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1419 | Correct Sequence Level of Procedure Step Cancellation DateTime | U Busch | NOV 2014: vp version approved for LB  JUNE 2014: New, received CP number | LB |
| 1422 | Correct High Bit value description in various IODs | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
|  |  |  |  |  |

# **Letter Ballot CPack-79**

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-79 Title** | **Assigned to** |  |  |
| 1031 | Use of OIDs and Non-ASCI Characters in Codes | R. Horn | NOV 2014: Cannot avoid braking implementations. Version 7 was prepared during the meeting and approved for LB  SEPT 2014: Lengthy discussion and revision of CP. Version 05 was approved for LB. more below the table  JUNE 2014: Will use DICOS tags, will rename code value. consider the tag  Why are we introducing UC? Why 1023 code values.  On Hold: Discuss when R. Horn is present.  MARCH 2014: SNOMED-larger character limit. 16 character limit is a problem: discussed the failure modes resulting from this. KOD noted that it would be helpful to receive feedback from implementers. D Clunie expressed concerns about this direction. It was noted that so far codes are alphanumeric | LB |
| 1403 | Clarify use of DIMSE service Status codes | A Leontiev | NOV 2014: Clarifies standard. vp version approved for LB  SEPT 2014: Approved for Nov. VP  JUNE 2014: New, received CP number | LB |
| 1404 | Correct Condition on Exposure in Projection X-Ray RDSR | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1405 | Replace BI-RADs codes that have SNOMED equivalents | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1406 | Add codes for tumor sites | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1407 | Add diffusion tractography related sites | D Clunie | NOV 2014: . vp3 version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1408 | Add NeuroNames as Coding Scheme | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1409 | Add Conformance Storage Media Categories | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1410 | Clarify Lossy Image Compression Ratio | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1411 | Reserved Group for Known Safe Private Elements | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1412 | LOINC code updates in SR templates and context groups | D Clunie | NOV 2014: . vp2 version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1417 | Clarify use and declaration of private mapping resource | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
| 1419 | Correct Sequence Level of Procedure Step Cancellation DateTime | U Busch | NOV 2014: vp version approved for LB  JUNE 2014: New, received CP number | LB |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1422 | Correct High Bit value description in various IODs | D Clunie | NOV 2014: . vp version approved for LB  SEPT 2014: Approved for Nov. VP | LB |
|  |  |  |  |  |

# **Assigned CPs**

# **(CPs in the “Assigned” meeting folder and other previously assigned CPs that were introduced for consideration for the next Voting Package.)**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Dis-position** | |
| 1349 | Link from still picture to video | B Revet | NOV 2014: Kevin and Florian will discuss further off-line. KOD: make it more of a cook book.  JUNE 2014: See the Toshiba comment: KOD the text is not fully informative, only understandable to “insiders”. Check with author, Florian Knicker. Remains assigned.  MARCH 2014: WG-06 reviewed, no comments | On Hold  AS | |
| 1420 | Support for Multi Slab Block in Ion Plan | U Busch | NOV 2014: Version 4 to VP  JUNE 2014: New, received CP number | VP | |
| 1421 | Support for Mean Excitation Energy In Structure Physical Properties | U Busch | NOV 2014: Version 03 to VP  JUNE 2014: New, received CP number | | VP | |
| 1424 | Add Series entity present in Real-World Model but missing in Information Model figure | D. Clunie | NOV 2014: version 1 approved for VP | VP | |
| 1425 | Tab character should be permitted be in text VRs (ST, LT, UT) | D. Clunie | NOV 2014: version 1 approved for VP | VP | |
| 1426 | Correct condition in Pixel Measures, Plane Position and Orientation Functional Groups for Segmentation | D. Clunie | NOV 2014: version 1 approved for VP | VP | |
| 1427 | Make Defined Term for 3D Dimension Organization Type used for US Volume mean equally spaced as well as parallel slices, and add Spacing Between Slices | D. Clunie | NOV 2014: version 1 approved for VP | VP | |
| 1428 | Use Pixel Measures in Enhanced US Volume | D. Clunie | NOV 2014: version 1 approved for VP | VP | |
| 1429 | Tiled Image Box in Structured Display | A. Leontiev | NOV 2014: no version noted approved for VP | VP | |
| 1430 | Add Motion Mode Definition Module | U Busch | NOV 2014: Version 07 to VP  SEPT 2014 – NEW: | VP | |
| 1432 | Add Beam Effective Dose in RT Fraction Scheme Module | U Busch | NOV 2014: Version 04. Remains AS  SEPT. 2015-NEW:  Looks very RT | AS | |
| 1434 | Additional SSD Information | U Busch | NOV 2014: Version 04 to VP  SEPT. 2015-NEW: | VP | |
| 1435 | Correct errors in State Diagram of Hosted Applications | D. Clunie | NOV 2014: Version 01 to VP | VP | |
|  |  |  |  |  | |

# **VP (Voting Package) for January 2015**

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 to** |  |  |
| 1420 | Support for Multi Slab Block in Ion Plan | U Busch | NOV 2014: Version 4 to VP  JUNE 2014: New, received CP number | VP |
| 1421 | Support for Mean Excitation Energy In Structure Physical Properties | U Busch | NOV 2014: Version 03 to VP  JUNE 2014: New, received CP number | VP |
| 1424 | Add Series entity present in Real-World Model but missing in Information Model figure | D. Clunie | NOV 2014: version 1 approved for VP | VP |
| 1425 | Tab character should be permitted be in text VRs (ST, LT, UT) | D. Clunie | NOV 2014: version 1 approved for VP | VP |
| 1426 | Correct condition in Pixel Measures, Plane Position and Orientation Functional Groups for Segmentation | D. Clunie | NOV 2014: version 1 approved for VP | VP |
| 1427 | Make Defined Term for 3D Dimension Organization Type used for US Volume mean equally spaced as well as parallel slices, and add Spacing Between Slices | D. Clunie | NOV 2014: version 1 approved for VP | VP |
| 1428 | Use Pixel Measures in Enhanced US Volume | D. Clunie | NOV 2014: version 1 approved for VP | VP |
| 1429 | Tiled Image Box in Structured Display | A. Leontiev | NOV 2014: no version noted approved for VP | VP |
| 1430 | Add Motion Mode Definition Module | U Busch | NOV 2014: Version 07 to VP  SEPT 2014 – NEW: | VP |
| 1434 | Additional SSD Information | U Busch | NOV 2014: Version 04 to VP  SEPT. 2015-NEW: | VP |
| 1435 | Correct errors in State Diagram of Hosted Applications | D. Clunie | NOV 2014: Version 01 to VP | VP |
|  |  |  |  |  |

# **CPs discussed that remain “Assigned”** Copied from Tables 3, 4 and 6 for convenient reference.

# AS=assigned / remains assigned

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Dis-position** |
| 1349 | Link from still picture to video | B Revet | NOV 2014: Kevin and Florian will discuss further off-line. KOD: make it more of a cook book.  JUNE 2014: See the Toshiba comment: KOD the text is not fully informative, only understandable to “insiders”. Check with author, Florian Knicker. Remains assigned.  MARCH 2014: WG-06 reviewed, no comments | On Hold  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** |
| 1440 | Correct HL7 CX component name references | A Leontiev | . | CP\_HS81\_IssuerPatID.docx |
| 1441 | Add UPS scheduled output destination | K ODonnell |  | CP\_HS82\_UPS\_output\_destination.docx |
| 1442 | Typos in UPS specification | K ODonnell |  | CP\_HS83\_UPS\_typo.docx |
| 1443 | Additional N-GET Service for UPS Push | K ODonnell |  | CP\_HS84\_UPS\_push\_support.docx |
| 1436 |  | U Busch |  | RT-70 |
| 1437 |  | U Busch |  | RT-71 |
| 1438 |  | U Busch |  | RT-72 |
| 1439 |  | U Busch |  | RT-73 |
|  |  |  |  |  |

# **New CPs Submitted– Rejected**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP# assigned** | **New Correction Proposals -- Title** | **Assigned to** | **Discussion** | **File ID** |
|  | NONE REJECTED |  |  |  |

Note: The comprehensive list of all CPs (including all FT and cancelled) is posted in this meeting’s folder. Following this meeting the list will also be posted in the “Overviews…” folder of the public ftp directory: ftp://medical.nema.org/MEDICAL/Dicom

# **CPs on Hold**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Status** |
| 375 | Correct CID 4017 | K O’Donnell | B Revet (BR) will refer to WG-22 for SNOMED codes.  Need SNOMED codes, CID # and UIDs | FT Passed, On hold |
| 1071 | Additions to various CIDs of Supplement 78 | B. Revet | Waiting for SNOMED Codes | FT Passed, On hold |
| 1302 | Correct example of Chinese encoding | A Leontiev | SEPT. 2015 Remains on hold.  Rob and Andrei will investigate negative ballot vote from China  OCT 2013: Discussed negative by China in CPack 73. Discussed returning to ASCII.  Noted that Part 5 does not call for =.  ACTION: R. Horn to check  AUG 2013: more editorial revisions  JUNE 2013: Discussed the carat issue and added to CP draft. | On Hold  AS |
| 1349  Kevin and Florian | Link from still picture to video | B Revet | NOV 2014: Kevin and Florian will discuss further off-line. KOD: make it more of a cook book.  JUNE 2014: See the Toshiba comment: KOD the text is not fully informative, only understandable to “insiders”. Check with author, Florian Knicker. Remains assigned.  MARCH 2014: WG-06 reviewed, no comments | On Hold  AS |
|  |  |  |  |  |

# **CPs Cancelled**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Status** |
| 1382 | Correct element number in reference to SOP Instance UID | B. Revet | NOV 2014: Cancelled  SEPT 2014: Approved for LB  JUNE 2014: Approved for VP | Cancelled |
|  |  |  |  |  |

# **ACTION Items and Other Discussions-**

# Action Items relative to CPs restated:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Status** |
|  |  | WG-27 | Register DICOM URN  Background: R. Horn noted that this administrative step needed. |  |
| RT-55 | cp\_RT55\_IncludeMotionModePermissionInRTToleranceTable\_02.doc |  | Discuss with WG-21 |  |
|  |  |  |  |  |
| 1349  Kevin and Florian | Link from still picture to video | B Revet | NOV 2014: Kevin and Florian will discuss further off-line. KOD: make it more of a cook book.  JUNE 2014: See the Toshiba comment: KOD the text is not fully informative, only understandable to “insiders”. Check with author, Florian Knicker. Remains assigned.  MARCH 2014: WG-06 reviewed, no comments | On Hold  AS |
| 1423 | Extending RFC 3240 with DICOM-Mime header fields | D Clunie, | David Clunie will work with Marc to finalize CP and submission to IETF. Secretary will submit to IETF. | AS |
| 1400 | Assign WADO-WS namespace and schema | J Philbin | NOV 2014: Action item remains: register DICOM as URN with IETF SEPT 2014: R Horn mentioned that DICOM has not yet registered the URN asked WG-27 to make registration  JUNE 2014: Approved for VP | FT |
|  |  |  |  |  |

**OTHER DISCUSSION:**

**Color Harmonization**

Rob Horn provided an update on the ICC Medical Imaging Working Group. DICOM should focus on the whole slide imaging. WG-26 will have issues for WG-06 discussion. Other use cases are covered by the current DICOM approach of using ICC profiles. The presentation was posted in the meeting folder.

# **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 | 1319 | 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 |
| 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 |
| 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 |
|  |  |  |  |  |
| 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 |
| 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 unambiguous 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 2014: Discussion: SR was created for rendering but was given up for rendering and intended for machine consumption. SCOORD3D was a defined and was added. Let’s wait till next defined need or show increased needs. Continue to discuss when D Clunie present.  AUGUST 2013: 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  JUNE 2013 discussion: Postponed discussion when D Clunie and R Horn are present in Aug  ++++++++++++++++++++++++++++++  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. | Remains 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 Work items AS to another AE | K O’Donnell |  | AS |
| 1302 | Correct example of Chinese encoding | A Leontiev | Rob and Andrei will investigate negative ballot vote from China  OCT 2013: Discussed negative by China in CPack 73. Discussed returning to ASCII.  Noted that Part 5 does not call for =.  ACTION: R. Horn to check  AUG 2013: more editorial revisions  JUNE 2013: Discussed the carat issue and added to CP draft. | On Hold  AS |
| 1319 | Frame Of Reference Reliability | U Busch | MARCH 2014:The related White Paper was posted. Reviewed the CP ( version 07) and conducted extensive discussion, which will continue. Concluded that there is a need for analyzing and solving specific use cases. Reviewed the attributes. Noted that these type of changes, as a matter of policy, are not being added to existing objects.  Jan 2014: discussed the Frame of Reference White paper  OCT 2013: v03 reviewed. WG-02&27 White Paper to be reviewed  August 2013: How to record whether FOR is correct. KOD noted that all changes should be a different FOP with mapping | AS |
| 1320 | Update to CID 3411 Intracoronary Devices | A Leontiev |  | AS |
| 1321 | Add Telecom Addresses | A Leontiev |  | AS |
| 1322 | Add Consulting Physician | A Leontiev |  | AS |
| 1323 | Clarify Audit Code Meanings | R Horn | Clarify Codes | AS |
| 1345 | Add Related UPS Sequence | K O’Donnell | JAN 2014: Lengthy discussion. This CP may be the solution to existing problems. | AS |
| 1349 | Link from still picture to video | B Revet | JUNE 2014: See the Toshiba comment: KOD the text is not fully informative, only understandable to “insiders”. Check with author, Florian Knicker. Remains assigned.  MARCH 2014: WG-06 reviewed, no comments | On Hold  AS |
| 1353 | Secure Transport Connection Profile should allow higher TLS versions | R Horn |  | AS |
| 1357 | Allow Unicode Katakana in alphabetic name group | A Leontiev |  | AS |
| 1358 | Correct tag mismatch between Implant Template Group Module and dictionary | A Leontiev |  | AS |
| 1361 | Correct ParticipantObjectDescription in DICOM audit message | R Horn |  | AS |
| 1362 | Correct AuditSourceIdentification in DICOM audit message | R Horn |  | AS |
| 1364 | Minor corrections to WADO-RS and STOW-RS | J Philbin |  | AS |
| 1402 | Add UI Value Representation to Hanging Protocol Selector attributes | J Philbin |  | AS |
| 1413 | Add UCUM license terms | A Leontiev | JUNE 2014: New, received CP number | AS |
| 1414 | Update PS3.1 definitions | A Leontiev | JUNE 2014: New, received CP number | AS |
| 1415 | Update PS3.1 front matter | A Leontiev | JUNE 2014: New, received CP number | AS |
| 1416 | Update to use SNOMED codes | A Leontiev | JUNE 2014: New, received CP number | AS |
| 1418 | Add UDI (Universal Device ID) to objects | K O’Donnell | JUNE 2014: New, received CP number | AS |
| 1423 | Extending RFC 3240 with DICOM-Mime header fields | D Clunie, | SEPT 2015 – NEW:  David Clunie will work with Marc to finalize CP and submission to IETF. Secretary will submit to IETF. | AS |
| 1431 | Add Beam Effective Dose in RT Fraction Scheme Module | U Busch | SEPT. 2015-NEW:  Needs editing | AS |
| 1432 | Add Beam Effective Dose in RT Fraction Scheme Module | U Busch | NOV 2014: Version 04. Remains AS  SEPT. 2015-NEW:  Looks very RT | AS |
| 1433 | RT-specific KOS CIDs | U Busch | SEPT. 2015-NEW:  Delete blank lines | AS |
|  |  |  |  |  |

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

This was a continuation of the reading for Public Comment. The posted document sup147\_44.doc was presented. The directions of WG-06 have been implemented. Sup 147 was approved for Public Comment.

# **Supplement 156 – Multi-Dimensional Presentation State** **{WI 2008-04-C}**

This was a reading for Letter Ballot. The public comments were previously discussed with WG-06.

J. Luszcz presented by phone and J Whitby assisted. A. Klingler assited by phone..

The revised document was posted as sup156\_PlanarMPR\_20141112-1030-StartWG6Session.docx was presented and discussed by the Group. The annotated document was saved and posted at the end of the 2nd WG-06 reading session.

The Supplement was approved for Letter Ballot..

# **Supplement 164, Substance Administration (originally called Injector Record / Contrast Media Dose SR) [Work Item 2011-04-A]**

This was a continued reading for Public Comment. The posted draft version 15.2 was presented by S. Balasubramanian; it was discussed and annotated. Version 16 was posted and captured the revisions. The Editor was asked to check TID 3106 in the current Standard and compare with this Supplement to identify overlaps.

The Supplement will return.

1. ****Supplement 167, X-Ray 3D Angiographic IOD Informative Annex) [WI-2005-09-C]****

This was a reading for Letter Ballot. Francisco Sureda presented the resolution of public comments in the posted draft “…pc+1…”

The Supplement was approved for Letter Ballot.

1. **Supplement 171 RESTful Unified Procedure and Workflow Step (RS UPS) [WI-2013-08-B]**

This was a reading for Final Text.

The Editor, J. Whitby, presented the Letter Ballot comments and proposed resolutions thereof. The Group directed revisions that were made and posted in the meeting folder. WG-27 members J. Philbin and K. O’Donnell (in person) assisted the presentations of the Supplement.

The Supplement was approved for **Final Text.**

1. **Supplement 172, Quantitative Parametric Map Storage [WI-2014-04-B]**

This was a reading for Final Text.

D. Clunie presented the document posted as sup172\_07\_changesfromLB.pdf to show comments from the Letter Ballot.

The document was approved for **Final Text** .

1. **Supplement 175 –2nd Generation Radiotherapy - C-Arm Radiations {WI 2007-06-B}**

This was the first adding for Public Comment. The posted document sup175\_CArmRadiations\_03.doc was presented. The reading was completed to Line 30 The Supplement will **return**

1. **Supplement 180 – MPEG-4 AVC/H. 264 Transfer Syntax {WI 2014-04-A}**

This was a first reading for Public Comment. Editor Karl-Heinz Fleischer presented the Sup180-MPEG4-v2\_r2.doc. During the discussion of this supplement D. Clunie posed the question whether this Supplement covers to take iPhone recordings into DICOM and PACS storage.He posited that there is a need for H.265. Sup 180 now includes transfer syntax for H.264 Stereo High Profile Level 4.2 It was noted that WG-13 discussed other syntaxes but decided to limit the Supplement to its current scope. It was suggested to clarify the medical uses in the scope and field of application for Sup 180.

The document was approved for **Public Comment.**

1. **Supplement 184, Brachytherapy Delivery Instruction [WI-2007-06-B] (2nd Gen RT Objects)**

This was the first reading of the draft Supplement, which was written at the direction of WG-06; it was introduced as a new CP at the Sept. 2014 WG-06 meeting. The CP proposed to add new SOP; this requires a supplement.

The Group reviewed the concept and diagram of the draft. The Sup Number 184 was assigned.

The Supplement will **return.**

1. **Supplement 185, RT Quality Assurance IOD [WI-2007-06-B] (2nd Gen RT Objects)**

This was the first reading of the draft Supplement, which was written at the direction of WG-06; it was introduced as CP-1288. The CP proposed to add new IOD; this requires a supplement.

The Group reviewed the concept of the draft. The Sup Number 185 was assigned.

The Supplement will **return.**

1. **Supplement xxx, RT ROI Dictionary and ROI Template [WI-2007-06-B] (2nd Gen RT Objects)**

This was the first reading of the draft Supplement, which proposes two new IODs: ROI Dictionary and ROI Template. The supplement was encouraged by the evolution in DICOM of non-patient specific IODs. The differences and similarities with a listing of Codes was discussed. was written at the direction of WG-06; it was introduced as CP-1288. The CP proposed to add new IOD; this requires a supplement.

The Group reviewed the concept of the draft. The Sup Number xxx was assigned.

The Supplement will **return.**

1. **New Business**

There was no new business discussed.

1. **Future Meetings**

* Jan. 12-16, 2015, Arlington, MITA HQ, VA, USA
* March 23-27, 2015, Arlington, MITA HQ, VA, USA
* June 15-19, 2015, Barcelona, Spain
* Sept. 14-18, 2015, Arlington, MITA HQ, VA, USA
* Nov. 9-13, 2015, Arlington, MITA HQ, VA, USA

1. **Next Meeting Agenda**

An agenda plan was prepared for the next meeting. This was posted as <Agenda Plan for November 2014.xls> in the meeting folder.

Note:

The comprehensive list of all CPs (including all FT and cancelled) is posted in this meeting’s folder: CP-2014-11-14.xlsx

The comprehensive list of all Supplements (sorted by Supp. Number) is posted in this meeting’s folder: Supstat-2014-11-14.xlsx

1. **Adjournment**

The meeting recessed at 17.30 daily and resumed at 08.30 the next day. The meeting was adjourned at 13.00, on November 14, 2014.

Submitted by Stephen Vastagh, Secretary

Reviewed by Clark Silcox, Legal Counsel