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| --- | --- |
| 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-t-con

###### DICOM WORKING GROUP SIX

(Base Standard)

**June 2, 2015**

**Members Present Represented by**

Agfa Healthcare Robert Horn

GE Healthcare Harry Solomon

PixelMed David Clunie

Toshiba MRI USA Kevin O’Donnell

**Members Not Present Voting Representative**

ACR James Philbin

Carl Zeiss Medical Software Karl-Heinz Fleischer

JIRA Yukio Ito

\*Merge Healthcare Ronald Cowan

\*Konica Minolta Med. Imaging Michael Laconti

Philips Healthcare Wim Corbijn

Siemens Healthcare Bjorn Nolte

**Alternate Voting Representatives,**

**Observers, Others Present Affiliation**

Ulrich Busch WG-07/Varian

Kowalczyk Luiza DICOM Secretariat/MITA

Elliot Silver WG-08/McKesson

Stephen Vastagh DICOM Secretariat/MITA

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

**Presiding Officer:** Robert Horn, Chair

# **Opening and Administrative**

The Chair called the meeting to order at 12.00 ET on June 2, 2015. The Agenda was approved. The Secretary reviewed the antitrust rules.

The purpose of this t-con was to conduct advance review of the CPs on the Agenda of the upcoming in-person WG-06 meeting (June 15-19, 2015.) No final WG-06 decisions were planned to be made at this t-con; rather, the t-con merely is intended to better prepare the material and the members for the upcoming in-person WG-06 meeting,

# **Report on Letter Ballots**

The report on the letter ballot results was previously distributed as shown below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BALLOT | APPROVE | DISAPPROVE | ABSTAIN | **COMMENTS** |
| CPack-81 | 19 | 0 | 4 | 13 |
| Sup 180 | 22 | 0 | 6 | 1 |
| Sup 186 | 21 | 0 | 7 | 1 |

# **3. Letter Ballot (LB) CPack-81 to Draft Final Text (DFT)**

D. Clunie reviewed comments with the Group and described the revisions he made in the LB versions of the CPs to consider the comments. D. Clunie presented such revised versions DFT drafts (Draft Final Text).

The Draft Final Texts prepared by D. Clunie, were either approved as recommendation to the WG-06 for approval at the June 15-19 meeting as Final Text (FT) or the CP’s needing more discussion were marked for more WG-06 discussion before approving FT as shown below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Letter Ballot CPack-81 Title** | **Assigned to** | **Discussion** | **Disposition/Status** |
| 812 | Clarification that Pixel Padding Value Is a Raw  Value before Any Transformations | D. Harvey | 2015-06-02 LB comment: editorial accepted  Mar 23 2015: Approved for LB  MAR 18 2015: Reviewed, OK for LB  JAN 12 2015: Clunie to take action, moved to VP | Recommend to approve  DFT |
| 934 | Fix Inconsistency of C-FIND Only Number of Patient Related XXX Attributes | D. Harvey | 2015-06-02 LB comment: editorial  MAR 18 2015: PT related stuff in study level query OK for LB  JAN 12 2015: DC found text from D Harvey, will add text. Moved to VP | Recommend to approve DFT |
| 1321 | Add Telecom Addresses | R Horn | 2015-06-02 LB Comments: DC suggested not to deprecate an attribute in favor of a similar more “up to date” new attribute. Decided removing deprecations. Also added provision for including in deidentification.    MAR 18 2015: Reviewed new vp+1 version. DC will check style pattern/intro of key words and stay consistent. OK for LB  Jan 12 2015: reassigned to R Horn, he will research, DC will produce next version for VP | Recommend to approve  DFT |
| 1322 | Add Consulting Physician | H Solomon | 2015-06-02 LB Comments: Diagram will be revised. Also added to list UMLS in Pt 16 to clarify identity of Consulting physician.  MAR 18 2015: OK for LB  JAN 12 2015: re- assigned from H Solomon to HS OK for VP | Recommend to approve DFT |
| 1357 | Allow Unicode Katakana in alphabetic name group | H Solomon | 2015-06-02 LB Comments: JIRA Comments discussed. HS will review before WG-06 mtg.  MAR 18 2015: OK for LB  JAN 12 2015: re- assigned from H Solomon to HS OK for VP | HS review DFT |
| 1402 | Add UI Value Representation to Hanging Protocol Selector attributes | J Philbin | 2015-06-02 LB Comments: accepted  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1411 | Reserved Group for Known Safe Private Elements | D Clunie | 2015-06-02 LB comments: HS comment accepted. R Horn discussed risks. Implementers need to do threat analysis. JK comments accepted (added note, changed 3rd note.) New CP from HS in future.  MAR 23 2015: approved for re-balloting  JAN 12 2015: incorporate GE #4 proposal w/suggested dummy values & explicit VR  Passed ballot but must re-ballot  JAN 6 2015: GE negative vote resolved, NOV 2014. vp version approved for LB  SEPT 2014: Approved for Nov. VP | Recommend to approve DFT |
| 1413 | Add UCUM license terms | H Solomon | 2015-06-02 LB Comments: accepted  MAR 18 2015: OK for LB  JAN 12 2015:add LOINC & UCUM- will do a CP for SNOMED, OK for VP  JUNE 2014: New, received CP number | Recommend to approve DFT |
| 1416 | Update to use SNOMED codes | H Solomon | 2015-06-02 LB Comments: HS comment accepted  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP  JUNE 2014: New, received CP number | Recommend to approve DFT |
| 1436 | Clarification Of Verification Control Point Meterset | U Busch | 2015-06-02 LB Comments: no comments  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1437 | ClarificationOfBeamDoseScope\_02 | U Busch | 2015-06-02 LB Comments: no comments  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1438 | OmittedBeamsSequenceInBDI\_02 | U Busch | 2015-06-02 LB Comments: no comments, Editor added Pt 15 change added Table E.1.1  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1439 | ClarificationofRTImagePosition\_03 | U Busch | 2015-06-02 LB Comments: comment change to shall’s. JR will redo the picture  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1440 | Correct HL7 CX component name references | H Solomon | 2015-06-02 LB Comments: no comments  No changes  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1442 | Typos in UPS specification | K ODonnell | 2015-06-02 LB Comments: JK comments added “DICOM” before Media Retrieval Sequence, adjusted for WADO  MAR 18 2015: OK for LB  JAN 12 2015: OK for VP | Recommend to approve DFT |
| 1443 | Additional N-GET Service for UPS Push | K ODonnell | 2015-06-02 LB Comments:  Mar 23 2015: discussed, decided to opt for simpler, added N-GET Approved for LB  MAR 18 2015: There is still discussion btw KOD and HS  JAN 12 2015: OK for VP | Recommend to approve DFT |
|  |  |  |  |  |

# **VP (Voting Package) for June 2015 - the next WG-06 meeting)**

**CPs marked “Recommend for LB vote”:**

The Group reviewed the CPs in the VP. At this t-con the group identified the CPs that appeared to need NO additional discussion or revision before deciding whether to place them in the next letter ballot (CPack-82.) Unless additional comments will be raised these CPs will be approved for inclusion in CPack-82 without further discussion.

**CPs marked PULLED…..:**

If ANY member present at this t-con wanted additional discussion on the CP, for any reason, before voting on placing them in the next Letter Ballot, the CP was marked “Pulled”. After more discussion at the in-person meeting these “Pulled” CPs may be approved for LB or may “Remain Assigned” for further discussion at a later WG-06 meeting.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** |  |  |
| 1066 | Encoding of Attributes with Value Length > 64KiB with Explicit VR | R. Horn | 2015-06-02:  MAR 23 2015: Approved for VP. RH will prepare vp draft Prepared VP by 3/26. RH got OK from Guenther  JAN 12 2015: should be CP-991  Follow-up with R. Horn | Recommend for LB vote |
| 1441 | Add UPS scheduled output destination | K ODonnell | 2015-06-02: Homework to resolve highlighted. HS. KOD, RH will cooperate. The split is not needed by RH and HS    MAR 23 2015: Discussed -02 version. KOD received advice from WG-06 on broad questions. Decided to split in two CPs. No. 1 will be 1441. No. 2 will be drafted later.  JAN 12 2015: currently in UPS can specify source but not destination | Pulled for discussion |
| 1444 | Add additional dental view sets to Structured Display | A Casertano | 2015-06-02:  MAR 23 2015: A Casertano described the CP. Discussed version 05. WG-06 reviewed CP in detail, changed attribute names, etc. Resaved as version 06  JAN 12 2015: New  Informative Annex is helpful. Should this be a CP or Sup? Opinion: CP because it is backward compatible | Recommend for LB vote |
| 1445 | Remove In-Stack Position text from figure C.7.6.16-3 | D Clunie | 2015-06-02  MAR 23 2015: approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1446 | |  | | --- | | Prohibit circular  Dimension Index  references | | D Clunie | 2015-06-02:  MAR 23 2015: approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1447 | Clarify 8 bit in Extended JPEG Transfer Syntax | D Clunie | 2015-06-02:  MAR 23 2015: made changes approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1448 | Add blood normalized IAUC codes | D Clunie | 2015-06-02:  MAR 23 2015: DC reviewed the CP for the group. Minor changes were made; approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1449 | Clarify Modality Device Code Definitions | D Clunie | 2015-06-02: Refers to the acquisition device  MAR 23 2015: definition of device revised to indicate type of device. This was drafted to improve consistency. approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1454 | Add color space attribute | D Clunie | 2015-06-02:  MAR 23 2015: add references, approved for VP  JAN 12 2015: New  Optional alternative | Recommend for LB vote |
| 1456 | Add Operator Identification Sequence to Series Modules | D Clunie | 2015-06-02: Did not add when others were added  MAR 23 2015: approved for VP Serial  JAN 12 2015: New | Recommend for LB vote |
| 1458 | Value representation of real world value first and last values mapped | D Clunie | 2015-06-02:  MAR 23 2015: approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1459 | Add Patient Medical Module to Unified Procedure Step IOD | U Busch | 2015-06-02:  MAR 23 2015: approved for VP  JAN 12 2015: New | Recommend for LB vote |
| 1461 | Add B1RMS value to MR Enhanced and MR Object | W Corbijn | 2015-06-02:  Mar 123 2015: Reviewed version 01. W Corbijn will revise per WG-06. Approved for VP  JAN 12 2015: New | Recommend for LB vote |
|  |  |  |  |  |

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

The correction proposals (CPs) that have been posted in the meeting folder, to date, are shown in the table below.) The Group discussed all new CPs.

**CPs with CP Number assigned:** If a CP number appears in the table below, the Group decided to recommend at the upcoming in-person meeting of WG-06, the acceptance of the CP for processing by WG-06 indicated by the assignment of a CP number.

**If a CP is marked in the left column “CONT”**: it indicates the decision of this tcon to further discuss whether to accept it into the CP process.

**If the CP# column is blank**, the CP was not discussed at this preliminary review.

The Group discussed shortening the CP Log Summaries.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP# assigned** | **New Correction Proposals -- Title** | **Assigned to** | **Discussion** | **File ID** |
| 1493 | Correct code for organ used in segmentation | 1. D Clunie |  | cp\_dac291 |
| 1494 | More Zr 89 monocolonal antibody and other targeted PET radiotracers | 1. D Clunie |  | cp\_dac292 |
| 1495 | Replace incorrect SNOMED codes | 1. D Clunie | Discovered when cleaning up SNOMED codes see CP-817 for history | cp\_dac293 |
| 1496 | Add Tracking Identifier and UID to Segmentation Instances | 1. D Clunie | Creates 2 new attributes | cp\_dac294 |
| 1497 | More PET radionuclides | D Clunie | Adds more PET Radionuclides. Definitions are short. SNOMED routine is referring to parent briefly. DICOM could/should explain more | cp\_dac295 |
| 1498 | More Image Model Component Semantics for Parametric Maps | D Clunie | Add Magnetization | cp\_dac296 |
| 1499 | Fix CP 1365 setback with Long xxx Index List VR | B Nolte | Fixes problems | CP\_hb\_ |
| 1500 | Correct status codes in WADO-URI | J Philbin | Status codes WADO-URI patch | CP\_jfp13 |
| 1501 | Add floating point pixel data to list of bulk data attributes | D Clunie |  | CP\_jr05 |
| 1502 | Pixel Intensity Relationship in RT Image | U Busch | Change to RT Image Module. Suggest including reference text in new version of CP | CP\_RT80 |
| 1503 | Extension of the Selector Attribute Macro | U Busch |  | CP\_RT81 |
| 1504 | Add Accessory Code To Trays | U Busch | Adding another accessory code. Tray and block have different accessory codes. | CP\_RT82 |
| 1505 | Replace "MIME type" with "media type" | J Philbin |  | cp\_wg27\_MINE\_to\_media |
| 1506 | QIDO-RS maximumResults | J Philbin | Add clarity to the right intent | cp\_wg27QIDO search limits |
| 1507 | WADO-URI region parameter forbidden when Presentation State | J Philbin | Make shorter Log Summaries | cp\_wg27\_regionRegion parameter |
| 1508 | Add ‘accept’ and ‘charset’ to WADO-RS URL | J Philbin |  | cp\_wg27\_rs\_accept |
| 1509 | Refactor media type description for web services | J Philbin |  | cp\_wg27\_section\_7\_redoc\_v3 |
| 1510 | Correct UPS-RS errors | J Philbin | UPS\_errors | cp\_wg27\_UPS\_errors |
| 1511 | Clarify WADO URI media types | J Philbin |  | cp\_wg27\_uri\_media\_types\_v4 |
|  |  |  |  |  |

# **New CPs Submitted– Rejected**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP# assigned** | **New Correction Proposals -- Title** | **Assigned to** | **Discussion** | **File ID** |
|  | NONE REJECTED  Editorial Changes submitted as new CPs did not require a CP number; they were accepted without CP No. |  |  |  |

Note: The comprehensive list of all CPs (including all FT and cancelled) will be posted in the “Overviews…” folder of the public ftp directory: <ftp://medical.nema.org/MEDICAL/Dicom>, shortly after this WG-06 meeting

# **CPs on Hold (not discussed, reported only for convenient reference.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Status** |
| 1071  W Corbijn | Additions to various CIDs of Supplement 78 | W Corbijn | Waiting for SNOMED Codes  Reassigned to W Corbijn from B Revet | FT Passed, On hold |
| 1302  R Horn  H Solomon | Correct example of Chinese encoding | A Leontiev | MAR 23 2015: H Solomon will update and draft response. DICOM will add rationale and communicate to negative vote asking if they would withdraw the negative.  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. | Remains On Hold |
| 1403  H Solomon | Clarify use of DIMSE service Status codes | A Leontiev | JAN 12 2015: Passed ballot but not ready for FT - Andrei will make argument in March re. forbid other codes or not Andrei not present in Jan. Wait till response by Andrei to U Busch’ argument. (Approved in CP-79)  JAN 6 2015: Uli Busch explained that Wg-07 cannot live with disallowing the sending of codes. Others concurred; A. Leontiev explained the intent of this CP. More discussion will be needed.  NOV 2014: Clarifies standard. vp version approved for LB  SEPT 2014: Approved for Nov. VP  JUNE 2014: New, received CP number | Passed ballot  On hold |
|  |  |  |  |  |

# **CPs Cancelled at this meeting**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CP#** | **Title** | **Assigned to** | **Discussion** | **Status** |
|  | None cancelled at this meeting. |  |  |  |
|  |  |  |  |  |

# **New Business**

There was no new business discussed.

# **Future Meetings**

**In-Person Meetings**

* June 15-19, 2015, Malaga, Spain
* Sept. 14-18, 2015, Arlington, MITA HQ, VA, USA
* Nov. 9-13, 2015, Arlington, MITA HQ, VA, USA

# **Adjournment**

The meeting was adjourned at 11.30.

Submitted by Stephen Vastagh, Secretary

Reviewed by Clark Silcox, Legal Counsel