



# Meeting MINUTES-Rev. 1<sup>1</sup>

## DICOM WORKING GROUP SIX

(Base Standard)

Monday, March 26-Friday March 30, 2012

Arlington, Virginia

Members Present	Represented by	M	T	W	Th	F
Agfa Healthcare	Robert Horn	x	x	x	x	x
CoreLab	David Clunie	x	x	x	x	x
DatCard Systems	Jere Darling		x	x	x	x
GE Healthcare	Andrei Leontiev	x	x	x	x	
JIRA	Makoto Suzuki	x	x	x	x	
Philips Healthcare	Bas Revet	x	x	x	x	x
Siemens Healthcare	Bjorn Nolte	x	x	x	x	x
Toshiba Medical Research Institute USA	Kevin O'Donnell	x	x	x	x	x
Members Absent	Voting Representative					
* ICCAS (Innovation Center Computer Assisted Surgery (ICCAS))	Burgert, Oliver					
*Carl Zeiss Medical Software	Tobias Kurzke					
*DeJarnette Research Systems	Fred Ganong					
Konica Minolta Med. Imaging	Michael Laconti					
Merge Healthcare	Ronald Cowan					
*Societe Francaise de Radiologie	Joel Chabriaais					

Alternate Voting Representatives, Observers, Others Present	Affiliation	M	T	W	T	F
Busch, Ulrich	WG-07, Varian	x	x	x	x	

<sup>1</sup> Rev. 1: (a) CP 1201 was not placed in VP: deleted from VP. (b) Added technical details to Item 17.

Kanzaki, Masatoshi	WG-11-Real Vision			P	P	P	
Liebmann, Philipp	WG-24-ICCAS				x	x	
Matsui, Norihisa	WG-11-Shimadzu			P	P	P	
Solomon, Harry	WG-26, GE Healthcare				P		
Stephen Vastagh	MITA Staff		x	x	x	x	x

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

**Presiding Officer:**

Bas Revet, Chair

### 1. Opening

The Chair called the meeting to order at 13.30 on March 26. Participants identified themselves and their employers. The secretary reported that a quorum was present. Members approved the agenda. The minutes of the January 2012 meeting were reviewed. With correction of a spelling error the minutes were approved. The Secretary reviewed the antitrust rules.

### 2. Secretary's Report

Committee Secretary Stephen Vastagh reported on the ballot distributed following the Jan. 2012 meeting of WG-06. The ballot closed 2012-03-20; the ballot met DICOM's quorum requirements and passed.

BALLOT Closed	APPROVE	DISAPPROVE	ABSTAIN	COMMENTS
2012-03-20	26	2	3	25

### 3. Early Discussion of RT-related assigned CPs (Correction Proposals)

Taking advantage of the presence of the Chair of WG-07 the following change proposals were discussed and dispatched as noted:

CP#	Title	Assigned to	Discussion	Status
1137	Structure Set Relationship Sequence	U. Busch	If RT needs a predecessor semantic, it should submit a different CP. A Referenced Predecessor Structure Set was recommended. UB asked whether 1153 should be opened again. WG-06 advised that each object should be specifically defined, i.e. explain what the predecessor means. Two approaches are: define a new term or a purpose oriented new sequence. The latter is clearer. Add definitions of "predecessor."	Revise and post in VP for June 2012
1138	Average Beam Dose Parameter	U. Busch	U. Busch explained that this CP retires several attributes from the current standard and add notes that references the last version of the standard they last appeared (see Part 3 for samples: "retired" or for "ret" in Part 6.)	6/12 VP
1200	Add attributes to Surface Mesh Module	U. Busch	WG-07 should reach consensus on the CP and return to WG-06. The originators should provide examples to WG-06 if this CP is to continue.	Remains assigned

1203	PDR Pulse Details in RT Brachy Session Record	U. Busch		6/12 VP
1204	Identify specific Source used in RT Plan	U. Busch	Needs minor changes, UB will make it.	6/12 VP
1205	Device Parameters in CT Images	U. Busch	WG-07 revised the text, during the week; it was placed in VP on 3/30	6/12 VP
1206	Dose Summation Type Clarification	U Busch		6/12 VP

**4. [Decisions: on CPs in Letter Ballot CPack-65 \(Correction Package #65\) > Comments > Final Text or other Disposition](#)**

CPs in the Letter Ballot CPack-65 (closed 2011-03-20) are listed below together with discussion of comments and decision on Final Text or other disposition.

CP	Name		Consideration of Comments and Other Discussion	Dis-position
1077	Add CR Report Type to Dose SR and Relax Content Conditions [The CP proposes to use the same template for all fluoro, mammography, and CR and DR rather than creating new template for CR-DR.]		A. Farman negative comment was discussed: WG-06 is aware of the work starting in WG-22 and invited CP's if their work would require. H. Solomon's negative comment was discussed: WG-06 believes that a single template is better. The general comment of "lightweight attributes was accepted.", but not applicable for this family of projection x-ray dose SR which share much common content items. Maintaining a separate set of template is seen as a burden. All other comments were accepted.	FT
1105	Conformance Claim for SR-CDA Transform		J Keyes comment was accepted. On Monday B. Nolte was assigned to revise. On Wednesday the revisions were reviewed.	FT
1112	Add SR Structure for ROI Statistics	H. Solomon,	Corelab has submitted substantial comments to this CP. Toshiba commented verbally on ways of volumetric ROI. David edited new version.	6/12VP.
1123	Re-ballot from CPack-64: Add codes and SOP Common attribute to identify data created for quality purposes		Response to J Keyes: The type of Phantom is already specified in the Device Module. Response to Siemens: the phantom is not the nature of a procedure.	FT
1148	Add Pathology Protocol Codes		Reballot. H. Solomon 's revision will be used.	Reballot
1175	Structured Display needs creation date & time for instance and DICOMDIR		Comment(s) accepted	FT
1177	Remove inaccurate series description		HS commented to remove line/constraint not accepted. JK comment accepted.	FT
1178	Add guidance intent to CID 3629		No comment(s)	FT
1179	Correct RWV Map in NM IOD		Comment(s) accepted	FT
1181	Correct LOINC_codes for fetuses		Comment(s) accepted	FT
1182	Add Rad Dose SR to CT Media Profiles		Comment(s) accepted	FT
1183	Clarify Meanings for UCUM codes		No comment(s)	FT
1184	Retire CID 3082		Comment(s) accepted	FT
1185	Correct Vascular Resistance Units		No comment(s)	FT
1186	Remove Concatenation requirement in agreement with CP1073		No comment(s)	FT

1187	Wrong DICOM Tags are referenced in part 2		Small changes. Invite JAHIS to submit new CP. to correct HL7 references if applicable in the context of an example conformance statement. M. Suzuki to communicate to JAHIS.	FT
1188	Add Tray ID To Compensator		U. Busch prepared update.	FT
1190	Add 'Purpose of Reference Code Sequence' to Ophthalmic Frame Location Macro		Comment accepted and new CP was invited to include comment.	FT

WG-06 decided unanimously to approve, as **final text**, the CPs in CPack-65 as listed above.

### 5. Decisions: on CPs that were in Voting Package for March 2012

WG-06 reviewed and discussed the CPs that were in the VP (Voting Package) coming into this meeting. The CPs were approved for Letter Ballot or directed for further work or review as shown below:

CP#	Voting Package for March 2012 -- Title	Assigned to	Discussion	Status
1137	Structure Set Relationship Sequence	U. Busch	If RT needs a predecessor semantic, it should submit a different CP. A Referenced Predecessor Structure Set was recommended. UB asked whether 1153 should be opened again. WG-06 advised that each object should be specifically defined, i.e. explain what the predecessor means. Two approaches are: define a new term or a purpose oriented new sequence. The latter is clearer. Add definitions of "predecessor."	Revise and post in 6/12 VP
1176	Change CID of Anatomic Region Sequence for X-Ray 3D Angiography	B. Revet		LB
1180	Use LOINC_Short Name	H. Solomon,	Information needed from H. Solomon.	6/12 VP
1191	Fix Typo in TAG for Lossy Image Compression Method	B. Nolte		LB
1192	Fix Typo RT Beams Delivery instruction module and dictionary	B. Nolte		LB
1193	Fix Typo in table C.8.27.2-4	B. Nolte	Editorial revision of reference by B Revet	LB
1194	Clarify dose for breast X-Ray	B. Revet		LB

WG-06 decided unanimously to approve, for **Letter Ballot**, the CPs listed above.

### 6. Letter Ballot CPack-66

In addition to the CPs approved from the voting package above, the following additional CPs were approved for this letter ballot: 1148 (Reballot.)

Accordingly, 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-66 – Title
1148	Add Pathology Protocol Codes
1176	Change CID of Anatomic Region Sequence for X-Ray 3D Angiography
1191	Fix Typo in TAG for Lossy Image Compression Method
1192	Fix Typo RT Beams Delivery instruction module and dictionary
1193	Fix Typo in table C.8.27.2-4
1194	Clarify dose for breast X-Ray

7. Discussed: Assigned CPs (New CPs in Jan 2012 and Other Previously Assigned CPs)

(The table below records discussion of assigned CPs OTHER THAN THOSE that were in the Letter Ballot (recorded in Item/Table 4) or CPs in this meeting's Voting Packet (recorded in Item/Table 5.)

Note: this table repeats the items shown in Item 3. above to consolidate the list of all assigned CPs discussed at this meeting.)

CP#	Title	Assigned to	Discussion	Dis- position
739	Add View Code Sequence to CT, MR, SC for Cardiac Views (moved to assigned for coordination with other WGs)	D. Clunie	Originally assigned to WG-16 and WG-21. WG-16 proposed cancellation, but accepted new version.	6/12 VP
1138	Average Beam Dose Parameter	U. Busch	U. Busch explained that this CP retires several attributes from the current standard and add notes that references the last version of the standard they last appeared (see Part 3 for samples: "retired" or for "ret" in Part 6.)	6/12 VP
1195	Various correction to PS 3.16	B. Revet		6/12 VP
1196	Add phantom-specific Total DLP Values to allow for Head and Body in same RDSR scope of accumulation	D. Clunie	Needs discussion in WG-21	Remains assigned
1197	Unspecified code should be forbidden in extensible context groups for mandatory content items	D. Clunie	D Clunie will make revisions	6/12 VP
1198	Clarify encoding of Surface Segmentation Point Indices	D. Clunie		6/12 VP
1199	Add Modifier to Processing Parameters Sequence	D. Clunie		6/12 VP
1200	Add attributes to Surface Mesh Module	U. Busch	WG-07 should reach consensus on the CP and return to WG-06. The originators should provide examples to WG-06 if this CP is to continue.	Remains assigned
1202	Correct code for Liver	B. Revet	Discussed with appropriate WG/experts	6/12 VP
1203	PDR Pulse Details in RT Brachy Session Record	U. Busch		6/12 VP
1204	Identify specific Source used in RT Plan	U. Busch	Needs minor changes, UB will make it.	6/12 VP
1205	Device Parameters in CT Images	U. Busch	WG-07 revised the text, during the week; it was placed in VP on 3/30	6/12 VP
1206	Dose Summation Type Clarification	U. Busch		6/12 VP

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**8. VP (Voting Package) for June 2012**

As recorded in Tables 4, 5, and/or 7, the Voting package for June 2012 is:

<b>CP#</b>	<b>Voting Package for June 2012 – Title</b>
739	Add View Code Sequence to CT, MR, SC for Cardiac Views (moved to assigned for coordination with other WGs)
1112	Add SR Structure for ROI Statistics
1137	Structure Set Relationship Sequence
1138	Average Beam Dose Parameter
1180	Use LOINC_Short Name
1195	Various correction to PS 3.16
1197	Unspecified code should be forbidden in extensible context groups for mandatory content items
1198	Clarify encoding of Surface Segmentation Point Indices
1199	Add Modifier to Processing Parameters Sequence
1202	Correct code for Liver
1203	PDR Pulse Details in RT Brachy Session Record
1204	Identify specific Source used in RT Plan
1205	Device Parameters in CT Images
1206	Dose Summation Type Clarification

**9. CPs Remaining Assigned**

**9.1 CPs Discussed at this Meeting – Remaining Assigned**

As recorded in Tables 4, 5, and/or 7:

<b>CP#</b>	<b>Title</b>	<b>Assigned to</b>	<b>Discussion</b>	<b>Dis-position</b>
1196	Add phantom-specific Total DLP Values to allow for Head and Body in same RDSR scope of accumulation	D. Clunie	Needs discussion in WG-21	Remains assigned
1200	Add attributes to Surface Mesh Module	U. Busch	WG-07 should reach consensus on the CP and return to WG-06. The originators should provide examples to WG-06 if this CP is to continue.	Remains assigned

**9.2 CPs NOT Discussed at this Meeting – Remaining Assigned**

The following previously assigned correction proposals were not discussed and dispatched as noted:

<b>CP#</b>	<b>Title</b>	<b>Assigned</b>	<b>Discussion</b>	
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		<b>to</b>		
145	Curve Data Value Representation Clarification	D. Clunie		
235	Clarify NM detector start angle usage	J. Pohlhammer		
296	Eliminate Duplicate Terms and Provide Missing Definitions	H. Solomon		
375	Correct CID 4017 – Intra-oral Anatomy Modifier	K. O'Donnell		
430	Additions to PS 3.16 for Cardiac Cath SR	H. Solomon		
450	Correct Myocardium Mass	D. Sluis		
464	Add SOP Common to the Print-related N-CREATEs	R. Horn		
471	Add Common Finding Template	H. Solomon		
591	Attribute Identifier List for Errors in Sequence Attributes	H. Solomon		
596	Add Request and Schedule Information to Results and MPPS	R. Horn		
597	Instance Availability Notification Structure	H. Solomon		
757	Add RTSS ROI Feature UID	H. Solomon		
802	Incorporate Fixes on 702 and 706	D. Clunie		
804	Indicator for Cone Beam CT	K. O'Donnell		
811	Note for Forwarders Regarding SCP-assigned Instance UIDs during N-CREATE	D. Harvey		
812	Clarification that Pixel Padding Value Is a Raw Value before Any Transformations	D. Harvey		
833	Transfer Syntax Availability and Selection for Q/R	R. Horn		
836	Clarify Usage of Attributes for Normalized IODs	K. O'Donnell		
838	Consistent Naming of Error Code Tables	K. O'Donnell		
934	Fix Inconsistency of C-FIND Only Number of Patient Related XXX Attributes	D. Harvey		
941	More Clarification of Instance References	D. Clunie		
991	Clarify Handling of Private Data in the Retrieve Without Bulk Data Service	R. Horn		
992	Clarify Allowable Length Values for Certain PDUs	K. O'Donnell		
1005	Make Keywords Valid Java/C Identifiers	R. Horn		
1006	Add Keywords to Command Dictionary	R. Horn		
1013	RT Ion Beams Recording Clarifications	WG-07		
1019	Add Body Part at the Study Level	KO'Donnell		
1030	Re-factor Common Attributes for Enhanced Images	B. Revet		
1031	Use of OIDs and Non-ASCII Characters in Codes	R. Horn		
1032	Fix Position Angle Sign Inconsistency in Mammography Image	K. O'Donnell		
1066	Encoding of Attributes with Value Length > 64KiB with Explicit VR	R. Horn		
1086	New DICOMDIR ZIP File Extension	R. Horn		
1106	Assign a Namespace for Audit Schema	R. Horn		

	Elements		
1115	Add Dose Reference Point Codes for CR/DR	K. O'Donnell	
1126	Corrections LOINC Codes Sup78	B. Revet	
1127	Add Fields for Organ Dose to Dose SR	K. O'Donnell	
1152	Additional document titles for Key Object Selection Document	R. Horn	
1163	Conformance for Application Hosting	H Solomon	
1164	Coronary Artery Codes	H Solomon	
1173	Clarify basis for Total Fluoro Time and Total Acquisition Time in XA Dose Report	K O'Donnell	
1189	Add usage of Temporal Position Time Offset to Per Frame content Macro as needed for Enhanced MR and Enhanced CT objects.	W. Corbijn	
1201	Correct Calibration Factor CI Definition (TID 10002)	B. Nolte	
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]

## 10. [New Correction Proposals Submitted– assigned CP Number and Editor](#)

The following new change proposals received CP numbers and will be placed in the "Assigned" folder of the next WG-06 meeting:

CP# assigned	New Correction Proposals -- Title	Assigned to	Discussion	File ID
1208	Clarify the unambiguous use of Private Creator Data	B. Revet	Should be made normative	Br105
1209	Incorrect use of private creator tag in PS 3.2 Annex B	B. Revet		Br106
1210	Add Modifier to Processing Parameters Sequence	D. Clunie		Dac179
1211	Inconsistent Mean Point Distance in Surface Segmentation	D. Clunie		DC180
1212	SR IOD with SCOOD3D	D. Clunie	Dc NOTED TWO SOLUTIONS. New IOD to include SCOOD3D.	Dc181
1213	Clarify homogeneous transformation matrix constraints	D. Clunie	Needs more input from WG-07; it clarifies the Standard	DAC182
1214	Add Tracking Identifier Template to Measurement Templates	D. Clunie		DAC183
1215	Require GSPS for Enhanced PET Storage for consistency with other enhanced images	D. Clunie	Noticed existing shortcoming when working on new DRSR Sup	DAC184
1216	Instance Creation Date and Time not changed on coercion	D. Clunie	For those that need to know change time: Decided to add coercion date/time	DAC 185
1217	Add Extensible SR SOP Class for new types of Content Item	D.. Clunie	DC asserted that lack of extensibility for new content item drives potential users away from	dac_121

			DICOM to other standards. This would establish a new SOP Class. RH would prefer stretching definition of unambiguous rendering. Will have more discussion. Need to maintain SR's in WG-06.	
1218	Correct further errors in UCUM codes and related meanings	B Nolte		Hb (H Blending er)
1219	Clarify Completion Flag for Dose SR	H. Solomon	This had a long history of discussion – did not know the motivation for this CP – will consult HS.	HS53
1220	Editorial Corrections for PS3.16	H. Solomon		HS54
1221	Add note on VR conflict in data dictionary	D. Clunie	Sup 23 consequence	Jr02
1222	Amend DIMSE Service status codes	B. Revet		Status-codes
1223	Additional Items for Dose SR (by IEC PT 61910-1)	B. Revet		Hb-DoseSR
1224	Add Expiration Date to UPS	K. O'Donnell		Kod-addexpire
1225	Add Procedure Step Completion Codes to UPS	K. O'Donnell		Kod-addproc..
1226	Add more specific post-processing codes to CID 9231	K. O'Donnell		Kod-addpost
1227	Fix Estimated Dose Saving attribute	K. O'Donnell		Kod-fixestim

## 11. New Correction Proposals Submitted– No CP Number Assigned

R. Horn submitted a CP proposal: “Canadian SNOMED Extension coding system”. The Group discussed the reason for the CP: Canada intends to have unique procedure codes. SNOMED provided extension space to Canada which totals to 18 character, exceeding the DICOM 16 character limit. R. Horn suggested a solution of splitting the extended code. After a detailed technical discussion it was decided that DICOM will not act at this time and will expect IHE to develop a profile to solve this issue at the time when implementation occurs. Any DICOM action might follow the IHE solution.

In connection it was discussed that DICOM has no liaison to SNOMED; no resources currently for attending SNOMED meetings.

**ACTION:** R. Horn will explore the possibility of attending such meeting and develop a link with any relevant SNOMED committee that may have this issue in its jurisdiction.

Note: The comprehensive list of all CPs is posted in <ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Wg06/2012/2012-03-26> (enter password.)

## **12. Supplement 147 – Second Generation Radiotherapy {WIR 2007-06-B}**

Ulrich Busch, Editor of the Supplement was present. He reported that the Supplement V.35 to be presented includes the changes that were made pursuant to the direction WG-06 gave to WG-07 after its presentation to WG-06 at its August 2011 and January 2012 meetings. In addition, WG-07 continued work on the Supplement at its Nov. 2011 and March 2012 meetings and Feb. 2012 Workshop. The WG-06-induced changes were highlighted yellow and the WG-07-induced changes were highlighted blue.

There was a discussion on the document control process. WG-06 members suggested that the Group's prevailing practice is to expect the revisions and comments produced / directed by WG-06 during the review to be noted on the document as track changes and comments. Further, after the review, at the conclusion of the WG-06 meeting, they prefer to have the document, showing track changes and comments, saved (and appropriately named.) Thereafter, the Editor of the Supplement should complete the revisions and accept the "track changes". This will result in a clean, baseline version for the next WG-06 review. Should the Editor of the Supplement or the modality Working Group make new changes in the new baseline document, those should be shown with track changes for the next WG-06 review.

Detailed review of the scope and rationale was conducted. Thereafter U. Busch presented to WG-06 the revisions on major issues that were made pursuant to WG-06 advice.

The Supplement will **return** to WG-06.

## **13. Supplement 124 – Communication of Display Parameters {WI 2004-12-B}**

Norihisha Matsui and Masatoshi Kanzaki of WG-11 were again connected from Japan; WG-06 representative K. O'Donnell again assisted in the continued review of Sup. 124. The detailed review of the Supplement continued for a total of six hours. Numerous revisions were made.

The Supplement will **return** to WG-06.

## **14. Supplement 158 – Retire General Purpose Worklist {WI 2011-04-B}**

Kevin O'Donnell presented for First Read a draft Supplement which was given No. 158.

This Supplement to the DICOM Standard retires various features that have not been used widely in an interoperable manner, or have been superseded by more robust services.

Specifically, this Supplement retires the following Services, SOP Classes, IODs and Modules:

1. General Purpose Scheduled Procedure Step
2. General Purpose Performed Procedure Step
3. General Purpose Worklist Query
4. General Purpose Worklist Management Meta SOP Class

Retirement does not imply that these features cannot be used. The reader is referred to earlier editions of the Standard. However, the DICOM Standards Committee will not maintain the documentation of retired features.

The use of the retired features is deprecated in new implementations, in favor of those alternatives remaining in the standard.

The DICOM Standard will not reuse Data Element tags and UIDs that would conflict with retired services.

The Supplement will **return** to WG-06.

#### 15. [Supplement 121 – Modality Procedure Plan and Protocol Storage {WI 2006-04-E}](#)

The purpose is to produce text for Public Comment. K. O'Donnell continued to review the Supplement.

The Supplement will **return** to WG-06.

#### 16. [Supplement 154 – Optical Surface Scanner Storage SOP {WI 2010-04-F}](#)

Phillip Liebmann presented the Supplement. The Group reviewed the Scope and Rationale and revised to improve clarity. Thereafter a line by line review was conducted and many revisions directed by WG-06.

The Supplement will **return** to WG-06.

#### 17. [Supplement 159 – NM Dose Structured Report {WI 2010-04-B}](#)

This was the First Read of this Supplement.

J. Pohlhammer provided the background for this Supplement. It was noted that a wide range of stakeholders were present at the WG-02 meeting

Supplement number 159 was assigned.

C. Smith presented an overview (see ppt in mtg folder)

Reference was made to CP-1127 – organ dose; may need to harmonize with it.

Contrast injection supplement should also be consulted.

Change name to RDSR from RADR SR to match Mammo, CT, etc. Recognized the difference between CT and NM; however, uniform name will help implementation.

Review of the draft:

- Show “External” pharmacy on diagram to distinguish from normal pharmacy.
- Patient weight date/time could be added to worklist so we know it is current information.
- Should include journal references
- ACTION: Add Time Synchronization to NM IOD as a CP. Requirement will be “U”.
- Table 8-1 – Drop FDDC and CVX from table 8-1. Will also need European coding schemes. Will keep only RxNorm and NDC.
  - ACTION: Rob will check on European Code, Canadian Code, SNOMED
- Found ATC used by WHO.

- Templates follow the pattern of the CT templates
- Table      DICOM codes should be used if no specific other codes exist (e.g. NDC code.)
- R Horn asked: what to use – trade name, pharmaceutical name (active ingredient), or radioisotope name be used.
- General - don't define a list by its values
- "Classification" is the wrong term to use. Need coding system for the generic pharmaceutical instead. Use Row 4 "Brand Name" code, and row 7 is mutually exclusive with row 4. Put rows 4 and 7 together.
- 
- Row 9 "Description of Material" should use a different code. Need new code that says this is the local description, such as "Dose Intent label".
- 
- Row 10, Route of administration should be "M".
- 
- Row 11 should be IF, not IFF. Also make type MC.
- Replace "TEMP" with "\$99SUP159" throughout document. Is 99 helpful in an actual implementation?
- Row 20, "Radiopharmaceutical Type" is not a good term. Replace with a term that describes that this is about whether or not the dose is a single vial. Also change it to "U".
- TIDXXXX3 – discussed reducing the data – visual brevity achieved with sub-templates
- Row 5 reference to XXXX5 should be XXX3. It should be INCLUDE, not CONTAINS.
- Condition on Row 5 "IFF organ mass is estimated" could be "If row 4 is present".
- TID XXXX6, should be "Radioisotope Activity Measurement". In Row 6, show reference to TID 1001 for "Observer Context".
- TIDXXXX8 - good size template
- If Concept is DTIDxxxx, VT should be :INCLUDE
- Break out TIDXXXX7 into 2 templates – one for stable info like sex, one for things like glucose readings.
- TIDXXXX7 - include only information relevant to Dose SR
- Explain that Patient Weight is potentially different from what would be found in an image header.
- TID XXXX8: Use different names for row 1 and 4.
- TID XXXX8, make row 4 be row 1. Remove row 1 and let all other rows be children.
- CID 4030 – should not mix with the imaging use of this CID. Make a special dose related imaging CID. Make it: organs for dosimetry. CT is creating CID for radiation sensitive organs. This SR can use the same list.
- CID 9301 needs bold and underlines for the new terms.
- CID 10000 – Scope of Accumulation – mistaken use discussed – cannot record study-level dose  
Discussed whether different modalities are the same procedure step (PS). REM mandates use of PS, mandates report. For a combined PET/CT study there will need to be a lot of description.  
This table needs more discussion.
- Context ID CXXX0 - use one laterality term instead of pre-coordinating. Specify the type of vein used, not the general anatomy. There are SNOMED codes for these terms. Do not include CID4030.  
SNOMED codes - (Nat'l Library of Medicine, download tables of codes)
  - Note: Code shown to user does not have to be taken verbatim from the Standard.
- Definitions should not use the word template.
- Manufacturer should be "Radiopharmaceutical Manufacturer".
- Definition of Intraveunous Extravasation should state that it is severity of the extravasation.
- Table of definitions should have a new column that contains comments. E.g. mapping to HL7.

- CDXX30 – Change Organ to “Organ Receiving Dose”
- Avoid use of backslash and similar characters, add reference citation.
- Code Definitions:
  - CDXX13 – specify: device or radiopharmaceutical manufacturer
  - Need to have good definitions. Reword CDXX30 (generic or specific?)
  - Harry Solomon will look for existing codes in SNOMED

Open issues:

- Do we push some dose information into Worklist so that it can be queried rather than pushed to the scanner.
- Should the total effective dose be mandatory?
- TIDXXXX8 - Is there a need for such detailed GFR (Glomerular Filtration Rate) data?
- Should we drop harmonization of IHE HMW? Could drop “Give Sub-ID Counter”. This table could be extracted to a sub-template so it is less scary to implementers.
- TIDXXXX9 – is this useful info
  - How will this be used, analyzed. How to record “dose savings”?
  - Does not need to start all templates with CONTAINER
- 

The Supplement will **return to WG-06 in August 2012.**

## **18. Future Meetings**

The Group’s future meeting dates and locations are as follows:

- T-con, prior to the June 2012 meeting - TBD
- Meeting June 11 – 15, 2012 in Berlin
- T-con, prior to the Aug. 2012 meeting - TBD
- Meeting August 27 – 31, 2012 in Arlington VA
- T-con, prior to the Nov. 2012 meeting - TBD
- Meeting November 5 – 9, 2012 in Arlington, VA

2013

- T-con, prior to the next meeting - TBD
- Meeting Feb. 4-8, 2013 in Arlington, VA
- T-con, prior to the next meeting - TBD
- Meeting Apr. 8-12, 2013 in Arlington, VA
- T-con, prior to the next meeting - TBD
- Meeting June 17-21, 2013 in Arlington, VA
- T-con, prior to the next meeting - TBD
- Meeting Aug. 12-16, 2013 in Stockholm, Sweden
- T-con, prior to the next meeting - TBD
- Meeting Oct. 14-18, 2013 in Arlington, VA

NEMA management requested DICOM to keep the largest meeting room free for Monday mornings. WG-06 will be accommodating this request by starting with smaller Ad-Hoc Group meetings in smaller meeting rooms, Monday mornings, or by renting a meeting room in a nearby hotel. Unless otherwise noted, meetings on Tuesdays-Fridays are scheduled from 8:30 a.m. to 5:30 p.m. each day.

### **19. Next Meeting Agenda**

A detailed agenda for the next meeting (2012 June) will be prepared at a later date. The preliminary agenda plan was prepared and recorded in the Agenda Plan for June 2012, which may be found in the March 2012 meeting folder.

### **20. Adjournment**

The meeting recessed at 17.30 daily and resumed at 08.30 the next day. The meeting was adjourned at 12.30 on March 30, 2012.

Reported by:

Stephen Vastagh, Secretary  
2012-04-03

Reviewed by counsel: CRS 2012-04-03