

MINUTES

MEETING NAME 09-WG33: WG-33 Data Archive and Management

MEETING PLACE/DIAL IN [Click here to enter text.](#)

DATE & TIME Wednesday, September 29, 2021 | 11:00 am – 12:30 pm US ET

PRESIDING OFFICERS Matthew Bishop, UnityPoint Health
 Keith Eklund, Healthcare Tech Solutions

VOTING MEMBERS PRESENT

Argentix Informatics, Inc.	Silver, Elliot
Canon Medical Research USA	O'Donnell, Kevin
DesAcc EMEA	King, Graham
GE Healthcare	Nichols, Steven
GE Healthcare	Numan, Jouke
Healthcare Tech Solutions	Eklund, Keith
Laitek, Inc.	Costea-Barluti, Razvan
Laitek, Inc.	Solomon, Harry
London Health Science Center	Aizawa, Luiz
Society for Imaging Informatics In Medicine	Bishop, Matthew
Society for Imaging Informatics In Medicine	Carey, Cheryl
Varian, a Siemens Healthineers Company	Anghelescu, Alex

OTHERS

Laitek, Inc.	Behlen, Fred
Mega Informatica Ltd	Fauquex, Jacques

VOTING MEMBERS ABSENT

AAPM	Bevins, Nicholas
ACR	Maldonado, Josh
Ambra Health	Ostrow, Daniel

Canon/Vital Images	Dawson, Tim
Canon/Vital Images	Whitby, Jonathan
Change Healthcare	Ho, Kinson
European Society of Radiology	Mildenberger, Peter
Grafimedia	Georgiadis, Pantelis
Mach7 Technologies	Ulanov, Alexey
Mayo Clinic Rochester	Persons, Kenneth
PixelMed Publishing	Clunie, David
Society for Imaging Informatics In Medicine	Henson, Kyle
Varian Medical Systems, Inc.	Schwere, Thomas

DICOM Anna Zawacki, SIIM
SECRETARIAT

1 CALL TO ORDER AND REVIEW OF ANTI-TRUST RULES AND DICOM PATENT POLICY (Co-Chairs, Secretariat)

The meeting was called to order. Guidelines for Conducting NEMA Meetings were read and attendance was recorded.

2 REVIEW AND APPROVE AGENDA (Co-Chairs)

The agenda was reviewed and approved.

3 REVIEW MINUTES (Co-Chairs)

The minutes of the previous meeting were reviewed and approved.

4 TOPIC ITEMS TO BE DISCUSSED (All)

- Finalize Draft of an Updated Supplement 223 - with Enhanced Query SOP Class
ftp://d9-workgrps@medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/WG33/2021-09-29/Sup223_PC%2B6_InventoryIODandServices.docx

What's being added for part 4 query capability:

- First: a definition of capabilities for empty value matching and multiple value matching – just being added to general capabilities for attribute matching
- Then we add in an extended negotiation - you can negotiate whether you support empty and multiple value matching
- Next – we agreed way back in June that study update date time would be a good thing to have just in general query retrieve info - being added in
- Next – adding in a warning status to CFIND – this is an explicit way to say that the results coming back from CFIND are valid, but we have reached a limit, there are more potential matches, but we are not sending them, will need to ask again in the next batch. This warning is comparable to warning status that comes back in the CMOVE – some objects did not transfer
- Then adding new repository query SOP class
- Discussion of additional query keys that are defined for this SOP class
- Some additional control attributes in the query request
- SCU and SCP behaviors including for incomplete results
- Conformance requirement and then SOP classes

Other things:

A change to part 5 to add those required double quote marks to be allowed in date time queries

Part 7 – add the warning status to CFIND

New code, new status that was not earlier defined for CFIND

Are there any cases where this warning status would be used – I gave you part of what you asked for, if you ask again, I cannot give you any more? No, that would be a failure

Are you proposing this would also be for regular CFIND status? NO, that will have to be discussed separately if people find it useful and would like to add it in

Why don't we define new codes for specific things?

We are not overloading though – it's the same warning class, but it's a different code. Change made during the last meeting.

The new SOP class is paired down to just effectively be about in its baseline behavior

For empty and multiple value matching- added into the list.

Defined what's single value matching – does not apply if it's two quotation marks and you have negotiated multiple value matching

Define empty value matching – everyone read through C.2.2.2x7 and C.2.2.2x8

Similarly for multiple value matching, if you haven't negotiated that and you send two, that's an OR? Might consider putting a note in about those 2.

1040 – a single value – was the clarification

Added #4 line 1076 – multiple values in key attribute is undefined except when multiple value matching extended negotiation

Next thing is adding study update date time - to additional query attributes not defined in

Next is the warning Status on CFIND

FINAL wording for WARNING: Processing terminated due to system limit, additional matches may exist. Matching reached system limit. Subsequent requests may return additional matches. – Table C.4-1 C-FIND Response Statuses Values.

Added Warning Status to baseline behavior of SCP.

Change to part 7

At 1885-1890 - updated – to the words used above:

Processing terminated due to system limit; additional matches may exist. Matching reached system limit. Subsequent requests may return additional matches.

Drop the “due to system limit” part and add in something like – you got some responses. Return matches may not be complete.

Repository query SOP class – line 1190

On the 3rd bullet – response will always turn the record key – would you not tie it if the record key is present in the request

In 1194 – drop “manage in repository”

Each result potentially has a record key

Each record returned is a response, the whole thing is a result

Be consistent – change result to response in the entire 1199 line

A lot of times during migration the question from a customer is how many studies are XYZ?

That would be a useful different SOP Class, don't want to roll that into this supplement

Could be a nice separate follow-on piece of work

1205 – Additional Query Information Model Attributes

Study Update Date Time – this is the solution

Should think through some examples, situations that we can foresee

Question of what the defined semantics for it is.

Need to poke through this a little more.

Next – remove from operational use flag and reason for removal code sequence. This is a matching key. If you want it, you put it in. can put in as universal matching.

Retrieve AETtitle

Retrieve URL – WADO study service

And then stored instance URIs

**CFIND currently does not return WADO URLs – seems like worth considering
Would suggest WG-27 – to take a look at the DIMSE stuff to see how to further deal with WADO URLs**

Last thing – updated metadata sequence – you ask for the updated metadata in an optional attribute request key with universal matching, SCP puts it in whatever it wants to put in. Will discuss that further at our next meeting

Meeting scheduled with WG6 on Monday, Oct 4

This is not ready to go out for Public Comment

We'll need to work through this during our 2 mtngs in Oct

WG-6 will review in November and send for another public comment at that point in time

5 OLD BUSINESS

6 NEW BUSINESS

7 DATE AND TIME OF NEXT MEETINGS (Secretariat)

- Continue T-con meetings bi-weekly
- Next call is October 13, 2021 between 11:00 am and 12:30 pm ET

<u>NEMALINK CODE</u>	09-WG33
<u>SUBMITTED BY</u>	Hull, Carolyn
<u>SUBMITTED ON</u>	10/8/2021
<u>LEGAL APPROVAL</u>	10/12/2021
<u>UPLOAD LOCATION</u>	Enter upload location.