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 Bishop, Matthew
In Medicine
Society for Imaging Informatics Carey, Cheryl
In Medicine
Varian, a Siemens Healthineers Anghelescu, Alex
Company

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

VOTING MEMBERS ABSENT
AAPM Bevins, Nicholas
ACR Maldonado, Josh
Ambra Health Ostrow, Daniel
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/WG33/2021/2021-09-29/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 Statues 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 AETitle
Retrieve URL – WADO study service
And then stored instance URIs
**C_FIND 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 his 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

NEMALINK CODE 09-WG33
SUBMITTED BY Hull, Carolyn
SUBMITTED ON 10/8/2021
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