MINUTES
DICOM WORKING GROUP 27 (Web Services for DICOM)
Teleconference

Date and Time: November 22, 2021 | 1:00-2:30pm US Eastern

Presiding Officers: Dieter Krotz, Co-Chair
Bill Wallace, Co-Chair

DICOM Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present

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<tr>
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<tr>
<td>AAPM/Univ. of Arkansas for Medical Sciences</td>
<td>Lawrence Tarbox</td>
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<tr>
<td>Canon/Vital Images</td>
<td>Jonathan Whitby</td>
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<tr>
<td>DICOM/MITA</td>
<td>Shayna Knazik</td>
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<tr>
<td>GE Healthcare</td>
<td>Steve Nichols</td>
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<td>Radical Imaging</td>
<td>Bill Wallace</td>
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<td>Siemens Healthineers</td>
<td>Dieter Krotz</td>
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Voting Members Not Present

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<tr>
<td>*ACR</td>
<td>Brian Bialecki</td>
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<td>*Argentix Informatics</td>
<td>Elliot Silver</td>
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<td>Canon</td>
<td>Kevin O'Donnell</td>
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<td>Carl Zeiss Meditec AG</td>
<td>Régis Deshayes</td>
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<td>*NVIDIA</td>
<td>Brad Genereaux</td>
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<td>*Philips</td>
<td>Chris Melo</td>
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<td>*PixelMed</td>
<td>David Clunie</td>
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*Not present at two consecutive meetings and therefore not counted for quorum during this tcon

Others (Observers, Alt-voting, staff) Present

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<tr>
<td>By Light Professionals</td>
<td>John Moehrke, Observer</td>
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<tr>
<td>London Health Science Center</td>
<td>Luiz Aizawa, Observer</td>
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1. Administrative Items

- The teleconference was called to order and a quorum was present.
- Antitrust and patent rules were reviewed.
- The agenda was reviewed and approved.
- The minutes from the last meeting (October 25, 2021) were reviewed and approved.
2. **How can a client determine whether bulkdata is stored uncompressed or compressed and then choose the appropriate set of media types (Markus Herrmann)**
   - The group discussed an email sent to WG-27 under the subject line “Retrieve instance frames for compressed and uncompressed pixel data”.

3. **Supplement 211 on DICOMWeb application/ZIP Payload (Bill Wallace)**
   - Bill reviewed the most recent version of Sup211 and the changes since the last WG-06 meeting in November. Sup211 now specifies the directory structure so it’s equivalent to the DICOMWeb structure (uses extensions versus content types). Bill also added a retrievable endpoint.
   - **Action**: Shayna to note 30 mins for Sup211 on next WG-27 agenda.

4. **Supplement 228 on DICOMWeb API for Server-Side Volumetric Rendering (Steve Nichols)**
   - Steve reported that he got through the scope section at the last WG-06 meeting. Steve is going to write a lighter version of the supplement to strip out the multi-part section of the document so it can get through single volume with WG-06 first. Then, multi-volume complexities can be handled.

5. **Correction Proposals (CPs)**
   - CP-1978 (Steve Nichols): Steve summarized the history of this CP, originally submitted in 2019. The group recommended to proceed by talking to David Clunie so Steve will come up with some questions in preparation for the next WG-06 call.
     - **Rationale for Correction:**
       - In PS3.18 the Studies Service behavior when retrieving rendered resources was inadvertently omitted from the PS3.18 redoc. This CP add it back in.
       - Moves Presentation State from 9 (URI Service) to 8 (Common Aspects)
       - Adds ordering requirements for multi-image responses (pre-redoc 6.5.8.2.1 Presentation State Instance)
     - **Questions:**
       - What is the use case to render an entire study?
       - What is the study included GSPS, SR and KOS.
       - CP adds ordering of instances in a GSPS, but how to order/identify rendered responses for an entire study?
   - CP-2139 (Steve Nichols/Jouke Numan): moved to the voting packet for January 2022
   - Clarify origin server behavior when includefield=all is passed in a query (Steve Nichols): WG-06 kicked back to Steve for additional clarifications.
   - Possible CP to fix the BulkDataURI retrieval request to specify that the allowed types are multipart...octet-stream as well as straight octet-stream (Bill Wallace)
     - **Action**: Bill to write a CP for WG-27 review at the February WG-27 tcon.
   - DICOMweb mime types for video/H265 and mpeg2 (Bill Wallace)
     - Bill prepared a CP on this entitled CP_VideoMimeType which he shared with the group and plans to present at the next WG-06 meeting.
   - Web Examples (Dieter Krotz)
     - WG-06 meeting accepted it for the next voting packet.
   - Correct references to Content-Encoding and conditions arising from it (Nikhilesh Sonar): did not discuss
   - Existing CPs and Needed CPs
• This is still a pending CP for Bill to write regarding accept examples with multi-part related. It turns out the “type” with quotes isn’t actually required. Dieter will help Bill with this one.

• Other CP’s needed that are not covered by CP-2040
  o CP Look into root-media-type in the RFC syntax and the sentence that discusses root. It seems like they may be irrelevant to our use case/usage and are confusing. Our results are often just a “list of things” e.g. if you ask for a rendered multi-frame and get 10 parts, each with one frame, there isn't really a “root”. With Metadata, if it's a JSON array of multiple objects, that would be a good root, but if it’s multiple XML parts, the first few of which are “peers” there’s sort of multiple roots... The best match is the STOW payload with metadata then Bulkdata.

• To revisit in February 2022

6. Old/New Business: did not discuss

   • New Work Item Proposal on storage commitment (Jeroen Medema)
   • Sup193 REST Notifications

7. Next Meeting

   • WG-27 meetings on the 4th Monday of the month from 1:00-2:30pm US Eastern. Next monthly call will take place on February 28th.

8. Adjournment

   • The call was adjourned at 2:06pm US EST.

Prepared and submitted by Shayna Knazik
Reviewed by Counsel 3/23/22