

IHE-RO DPDW Call

Tuesday, February 28, 2023 10:00am Eastern Time

Attendees:

Jill Moton (AAPM)
David Wikler (IBA)
Harold Beunk (Demcon)
Bruce Rakes (Mevion)
Jon Treffert (RaySearch)
Sanjay Bari (Elekta)
Bob Pekarek (Accuray)
Istvan Matyas (Siemens Healthineers)
Thomas Schwere (Varian)

Minutes:

- I. Call to Order at 10:00am ET
- II. Discussion about DICOM CP [cp_RT227_AddRefToSeriesInUPS](#):
 - a. Two options were presented which add a Sequence next to the Input Information Sequence for referencing on Series level. The rationale for a new sequence at the same level is that the sequence for referencing Instances is Type 1 with at least one item.
 - b. The CP rationale is rephrased.
 - c. It is proposed to simplify both proposals to focus on the need of adding CT to the input and output sequences:
 - i. Do not use a macro
 - ii. Do not support frames, WADO, ...
 - iii. Add four attributes in the new sequence: Study, Series UID, SOP Class UID and AET
 - d. Another option to modify the Input Information Sequence by adding an optional attribute to indicate the Retrieval Level (IMAGE or SERIES) is discussed.
 - i. This would allow a scheduler to only include one CT image in the instance sequence while the performer may retrieve all images.
 - ii. Whether this is a breaking or non-breaking change is debated.
 - iii. Whether this is any different than having the same behavior without indicating it with an extra attribute is debated.
 - e. Conclusion is that the problem with the solution proposals discussions should be presented to WG-07 and later WG-06 for advices.
 - f. **ACTION**: David to request adding this to next week WG-07 meeting agenda.
- III. Discussion about one vs. two (many) UPSes to cover treatment and imaging
 - a. The question on how a single imaging UPS without instruction can allow multiple use cases including treatment and post treatment imaging in addition to setup imaging is asked.
 - b. The performer may claim both UPS concurrently at the start of the session and only complete it at the end of the session.
 - c. This does not prevent reporting on ad-hoc imaging in the output sequence.
 - d. Multiple UPSes for imaging with different workitem codes should be created for different imaging modalities (according to the supported workitem codes specified in the DICOM Conformance Statements of the delivery/imaging vendor).
 - e. A specific UPS adds as a benefit to allow scheduling (without instruction).
 - f. A specific UPS avoids potential unreliable workflow because of the lack of specificity.
 - g. A specific UPS has as drawback that it adds transactions and triggers more changes to existing products with the risk of delaying implementations (it is reminded that the initial goal was to standardize existing workflows with a better specification of inputs and outputs).

- h. **ACTION**: Group to present both options to TC.
- i. **ACTION**: After presentation to TC, perform a vendors survey on how long each option would take to be implemented and brought into the products.

IV. Next Meeting

- a. Next DPDW Committee – Mar 28, 2023 at 10:00am ET

V. Meeting adjourned at 11:35am ET