

# IHE-RO TSWF Call

Tuesday, December 5, 2023 10:30am Eastern Time

## Attendees:

Harold Beunk (Demcon)  
Bruce Rakes (Mevion)  
David Wikler (IBA)  
Istvan Matyas (Siemens Healthineers)  
Shane Ikner (LEO Cancer Care)  
John Hayes (LEO Cancer Care)  
Thomas Schwere (Varian)  
Jill Moton (AAPM)

## Minutes:

- I. Call to Order at 10:30am ET
- II. DPDW subgroup got renamed to TSWF (Treatment Session Workflow)
- III. David presented four options for our simple scenario using DICOM Unified Worklist (available on [Box](#), Option 5 got added after the meeting):
  - a. Option 1: Combined TMS/worklist manager actor, TMS plays the role of the UPS Watch/Event service for synchronization in the treatment room
  - b. Option 2: Worklist manager separated from TMS actor, worklist manager plays the role of the UPS Watch/Event service for synchronization in the treatment room
  - c. Option 3: TSM actor used for synchronization in the treatment room, local copy of workitem received from TMS
  - d. Option 4: Same as 3 but working on original workitem
  - e. Option 5: Same as 4 but combining TSM and TDD actors into a single actor (reflecting real world implementations)
  - f. Options 2..4 don't bring value in terms of synchronization but add quite some complexity.
  - g. Option 1 requires the TMS to always be available even during a treatment session. This was considered too big of a constraint, esp. when TMS will be moved into the cloud.
  - h. At the end of the discussion option 5 seemed to be in favor.
- IV. Thomas to sketch the same options using FHIR/FHIRcast as the means for synchronization in the treatment room. Still, communication between TMS and the main actor in the treatment room can go along TDW-II/DICOM Unified Worklist. In addition we may also specify the interactions on a very abstract level w/o a concrete protocol.  
**ACTION:** Thomas to sketch a sequence diagram for the same options as done by David using FHIRcast (context to be exchanged: Patient, Treatment Session UID)
- V. Next Meeting
  - a. Next TSWF Committee – January 23, 2024 at 10:30am ET
- VI. Meeting adjourned at 11:55am ET

## Open action items from previous meetings:

None