

IHE-RO DPDW Call

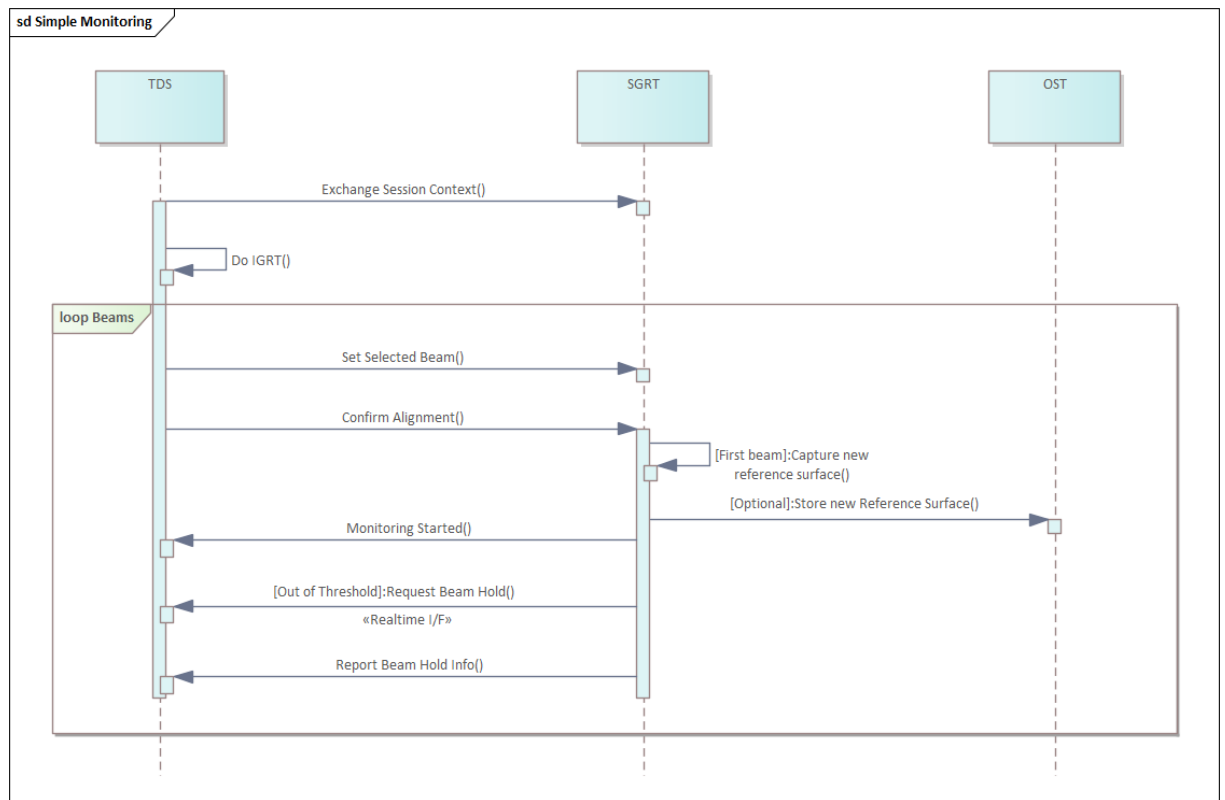
Tuesday, June 27, 2023 10:30am Eastern Time

Attendees:

Christof Schadt (Brainlab)
Harold Beunk (Demcon)
Bruce Rakes (Mevion)
Istvan Matyas (Siemens Healthineers)
David Wikler (IBA)
Jon Treffert (Raysearch)
Ottavia Rossini
Mattias Nilsing (C-RAD)
Jim Percy (Elekta)
Xavier Mulatou (DYN'R)
Sanjay Bari (Elekta)
Bob Pekarek (Accuray)
Zongguli
Suny Jang (Penn State Medical and Cancer Center)
Leanne Ross (VisionRT)
Thomas Schwere (Varian)
Jill Moton (AAPM)
Liam Patton

Minutes:

- I. Call to Order at 10:30am ET
- II. People in the call introduced themselves
- III. Brainstorming about SGRT use cases in the treatment room:
 - a. Reproducible initial alignment of the patient using optical surface guidance as preparation/starting position for CBCT et al. Multiple procedures may be needed to bring the patient into final position for therapeutic treatment delivery.
 - b. Most simple use case is about exchanging the session context (namely patient and plan) to prevent from manually selecting the patient on multiple systems.
 - c. The group discussed about input and output objects for SGRT activities like:
 - i. Representation of the reference patient surface (e.g. CT and/or RT Structure Set, Surface Scan)
 - ii. Alignment position in the FOR of the reference surface (e.g. RT Plan/isocenters and rotations, proper annotation of them)
 - iii. Positioning instruction
 - iv. Couch shift instruction
 - d. There is a danger to easily get into a “full-blown” DPDW profile when trying to address positioning as well as SGRT monitoring/gating. We should start small with a simple common scenario.
 - e. The group switched to sequence diagrams to make this more concrete for a simple monitoring use case. State as at the end of the call:



f. The discussion will continue in the next regular DPDW call.

IV. Next Meeting

- a. Next DPDW Committee – August 22, 2023 at 10:30am ET (the call on July 25, 2023 will be canceled due to vacation season)

V. Meeting adjourned at 12:00am ET

Open action items from previous meetings:

ACTION: Thomas to present the patient identity verification use case using FHIR/FHIRcast.