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| **Reported by (Name):** | **Yulong Yan, Ph.D.** |
| **Organization:**  | Digital Imaging and Communications in Medicine |
| **Position Title:** | WG07 RT Representative |
| **Activity:** | WG07 Virtual Meeting  |
| **Meeting Dates:** | 6/5/2023 ~ 6/9/2023 |
| **Meeting Location:** | **RaySearch, Stockholm, Sweden**  |
| **Payment $:** | **2754.08** |
| **Reasons for Attending or not Attending** | 1. Discuss the hybrid approach to model emerging new devices. The most urgent use cases are Tomotherpeutic device and Leo Patient Support device.
2. Conceptual Volume use in RTSS, RTDOSE, RTPLAN.
3. How to support non-standard devices
4. Support “matrix” approach to register the patient to the device.
5. How to record (sessions/fractions, optimization parameters).
6. Hybrid dose object
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| **Issues from Previous Meetings or Year:** | 1. Vendors are reluctant to implement full-blown 2nd generation RT objects due to financial concern and the amount of work.
2. The committee has agreed that a hybrid approach is practical to deal with new devices and reminding old problems.
3. How to make use of modules of the 2nd gen standards to solve current problems.
4. The remaining problems are:
	1. Non-C-ARM machines need better support.
	2. Need a mechanism to support new devices without individual modeling.
	3. Dose and prescription modules need to be enhanced to better support ion beams.
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| **General Description of Activities of the Organization and/or Meeting:** | The in-person meetings were planned to address remaining issues more effectively. The committee has identified pressing issues that this society wanted to solve. There are 19 of them in the list, however, we cannot solve all of them at the same time at the same priority. The committee conducted a voting procedure (based on Ease of Development, clinical needs and likelihood of implementation) that 8 most urgent issues were identified.  |
| **Issues for AAPM:** | **NONE** |
| **Budget Request ($):** | **2754.08** |