

DICOM

Second Generation Radiotherapy

Supplement 199

RT Radiation Records

Following the introduction of four RT Radiation IODs in Supplements 175 and 176 that are used to define a radiotherapeutic “treatment plan” by providing device-specific treatment parameters, this Supplement provides the capability to record the treatments performed on the devices by introducing RT Radiation Record IODs along an RT Radiation Record Set.

In addition, a Manual RT Radiation Record is also added in cases where the device-specific recording failed or is not available.

The RT Radiation Record IODs primarily re-use the macros and modules defined for the RT Radiation IODs.

RT Radiation Record IODs for recording modality-specific treatments:

- **C-Arm Photon-Electron Radiation Record IOD**
- **Tomotherapeutic Radiation Record IOD**
- **Robotic Radiation Record IOD**

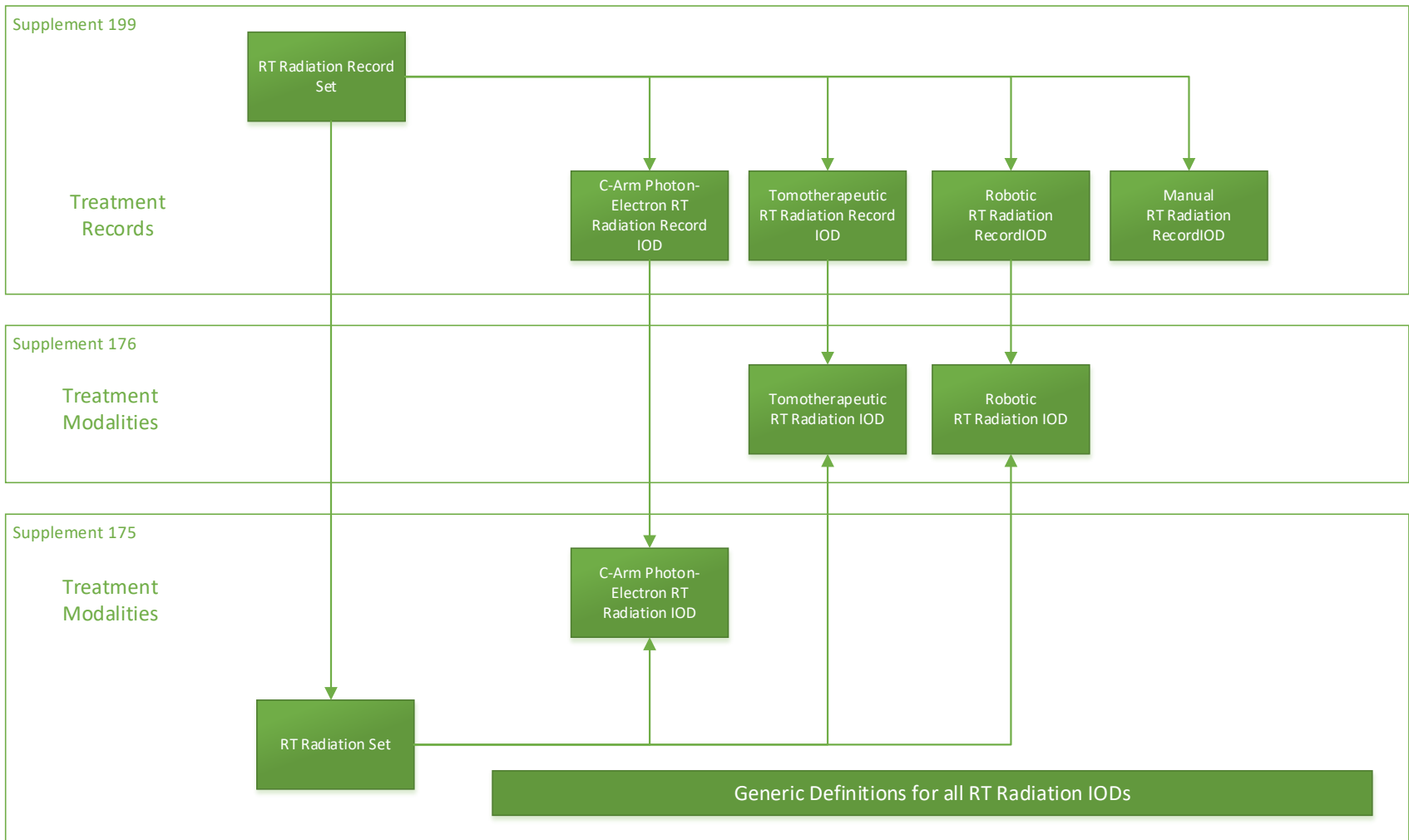
An RT Radiation Record for manual recording:

- **Manual Radiation Record IOD**

A Record Set IOD for recording the partial/complete delivery of a Treatment Fraction

- **RT Radiation Record Set IOD**

2nd Gen Overview



2nd Gen Radiation IODs



For details regarding the underlying RT Radiation concepts and description of the treatment modalities please review the presentations for Supplement 175 and 176.

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