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| **Reported by (Name):** | **Walter R. Bosch, D.Sc.** |
| **Organization:** | Digital Imaging and Communication in Medicine (DICOM) |
| **Position Title:** | WG-07 RT Representative |
| **Activity:** | WG-07 Meeting |
| **Meeting Dates:** | 10/24/18 – 10/27/18 |
| **Meeting Location:** | San Antonio, TX |
| **Payment $:** | $1081.20 |
| **Reasons for Attending or not Attending** | Regular meeting of DICOM WG-07 to develop Supplements defining Second Generation DICOM Radiotherapy Information Objects and review Correction Proposals. |
| **Issues from Previous Meetings or Year:** | 2nd Generation RT Information Objects development and response to Public Comments |
| **General Description of Activities of the Organization and/or Meeting:** | The primary focus of the Oct 24-27, 2018 WG-07 meeting was development of DICOM Supplements defining 2nd Generation RT Information Objects.   1. Supplement 147 (Physician’s Intent and RT Segment Annotation) – This supplement is in reading for Final Text in WG-06. Final Text is anticipated by Jan 2019. 2. Supplement 175 (C-Arm RT Treatment Modalities) – WG-06 has reviewed much of the device-specific content. Finding from Public Comment have been closed. WG-07 reviewed the following issues (a) specification of beam-limiting device leaf end positions, (b) variable Z-position for Beam Modifier, (c) definition of RT Radiation Content Type. 3. Supplment 177 (Dose Objects) – draft in preparation for Public Comment. This Supplement defined IODs to represent radiation dose Images (grid), Samples (point cloud), and Metrics (histograms, Dx, Vx). Work focused on the following topics:    1. Architecture – the group has decided on a design for the Dose Image IOD that references (external) Parametric Map SOP instances to represent dose grids.    2. Dose data model – the group discussed organization of dose attributes including dose type, scope, calculation algorithms, combination/weighting, and references to Radiations, Radiation Sets, Doses, and Treatment Records.    3. Attributes common to all dose modalities (images, samples, metrics) were identified.    4. A proposal for representation of groups of dose attributes was discussed. Two teleconferences have been scheduled to review this topic. (11/12/18 and 11/26/18 at 11am ET).    5. Further work on Supp 177 is scheduled for the next face-to-face meeting in Dec. 2018.   Minutes from this and other WG-07 meetings can be accessed at <http://dicom.nema.org/Dicom/minutes/WG-07/> |
| **Issues for AAPM:** | Draft Supplement 177 (Second Generation Radiotherapy Dose Objects) – updated and improved representation for dose distributions and metrics. |
| **Budget Request ($):** |  |