Add support for associating contours in bifurcated RT Structures

**Log Summary:** Add support for associating contours in Bifurcated RT Structures

**Type of Modification:** Extension

**Name of Standard**
- PS 3.3-1999
- PS 3.6-1999

**Rationale for Correction:**

The RT Structure Set object provides capability for storing bifurcated patient structures, but does not provide a mechanism to identify which structure contours belong to which branch of the structure.

This proposal addresses this deficiency by adding optional attributes that identify attached contours within a structure.

**Sections of document affected:**

- DICOM 1999 Part 3 (Information Object Definitions), Section C.8.8.6 (ROI Contour Module)
- DICOM 1999 Part 6 (Data Dictionary)

**Correction Wording:**

In DICOM 1999 Part 3, Table C.8-38 (ROI Contour Module), the following new attributes should be added immediately following the Contour Sequence (3006,0040) attribute:

- **Contour Number** (3006,0048) 3 Identification number of the contour. The value of Contour Number (3006,0048) shall be unique within the Contour Sequence (3006,0040) in which it is defined. No semantics or ordering shall be inferred from this attribute.

- **Attached Contours** (3006,0049) 3 List of Contour Number (3006,0048) defining lower-numbered contour(s) to which the current contour is connected.

In DICOM 1999 Part 6 (Data Dictionary), two new attributes should be added:

- (3006,0048) Contour Number IS 1
- (3006,0049) Attached Contours IS 1-n