

DICOM Correction Item

Correction Number		CP-240
Log Summary: Reality check on CD-R sector recording modes		
Type of Modification	Name of Standard	
Clarification	PS 3.12 2000	
Rationale for Correction		
<p>The sector format for CD-R recording is specifically defined to be Mode 2/Form 1 (in order to support recording of CD-XA which is used for CD-Interactive).</p> <p>In reality, almost everyone is writing CD-Rs with Mode 1, which is the default used by off-the-shelf CD-R burning software. Both Mode 1 and Mode 2/Form 1 encapsulate 2048 data bytes.</p> <p>It is proposed to recognize this reality and amend PS 3.12 accordingly</p>		
Sections of documents affected		
PS 3.12 F.2		
Correction Wording:		

F.2 MEDIA FORMATS

F.2.1 Physical format

The physical format of DICOM CD-R discs shall comply with the applicable definitions within ISO/IEC 10149, Part II: CD-WO in Orange Book and CD-ROM-XA (extended Architecture) **(if Mode 1 sectors are not used)**, with the additional modifications described in sections F.2.1.1 and F.2.1.2.

F.2.1.1 SECTOR FORMAT

All DICOM files and all data that comprise the ISO 9660 file system of the DICOM CD-R disc shall be stored **either**:

- **within Mode 1 sectors, or**
- within Mode 2, Form 1 sectors with CD-ROM-XA File Number = 0, Channel Number = 0 and Coding Information Byte = 0.