

## DICOM Correction Item

Correction Item		119
Log Summary: Clarify limit on private Repeating Groups		
Type of Modification	Name of Standard	
Correction	PS 3.5 - 1993,1996	
Rationale for Correction		
<p>Repeating Groups, ie the 50xx and 60xx (where xx is even 00-1E), are specified in PS 3.3 for use in curves and overlays in composite image and standalone objects, despite the note in PS 3.5 7.6 that their use is retired.</p> <p>It is also stated in PS 3.5 7.6 that Repeating Groups shall only be allowed in the even groups. This raises the question of whether or not the use of an odd group in the 50xx and 60xx range is forbidden entirely (which seems unlikely to be the intent) or that the notion of “repeating” is not to be implied for the odd groups in this range. This clarification is intended to convey the latter semantics.</p>		
Sections of document affected:      Section 7.6		
Correction Wording:		
<b>7.6 REPEATING GROUPS</b>		
<p>Multiple Overlay Planes and Curves are often associated with a single Image (see PS 3.3). Standard Data Elements with even Group Numbers (5000-501E,eeee) represent Curves, while elements with even Group Numbers (6000-601E,eeee) represent Overlay Planes. Both of these ranges of Group numbers are known as Repeating Groups. This use of group numbers is a remnant of versions of this standard prior to V3.0 that associated a semantic meaning with particular Groups.</p> <p>In each of these ranges of Group Numbers, Standard Data Elements that have identical Element Numbers have the same meaning within each Group (and the same VR, VM, and Data Element Type). The notation (50xx,eeee) and (60xx,eeee) are used for the Group Number in Data Element Tags when referring to a common Data Element across these groups (see PS 3.6). Groups (50xx,eeee) and (60xx,eeee) are called Repeating Groups because of these characteristics.</p> <p><b>Note:</b> <del>Repeating Groups have been retired beginning with DICOM Version 3.0.</del></p> <p>Repeating Groups shall only be allowed in the even Groups (6000-601E,eeee) and even Groups (5000-501E,eeee) cases. In the future, Data Elements with VRs of SQ shall be used to serve a similar purpose.</p> <p><b>Note:</b> <u>Private Groups in the odd Groups (5001-501F,eeee) and (6001-601F,eeee) may still be used, but there is no implication of repeating semantics, nor any implied shadowing of the standard repeating groups.</u></p>		