

### DICOM Correction Proposal Form

Correction Number		CP-379
Log Summary: Various MR attribute changes		
Type of Modification	Name of Standard	
Changes	PS 3.3 and PS 3.6 2003	
Rationale for Correction		
<ol style="list-style-type: none"><li>1. Tag Spacing Second Dimension (0018,9218) VR is SS should be FD like it is for Tag Spacing First Dimension (0018,9030)</li><li>2. 0018,9064 k-space Filtering (0018,9064), should not only be available for Spectroscopy but also for Enhanced MR Images</li></ol>		
Sections of documents affected		
PS 3.3 Sections C.8.13.2, C.8.14.1		
PS 3.6 Section 6		
Correction Wording:		

**C.8.13.2 MR Image and Spectroscopy Instance Macro**

Table C.8.13-3 specifies the common attributes Enhanced MR Image Module and MR Spectroscopy Module.

**Table C.8.13-3  
 MR IMAGE AND SPECTROSCOPY INSTANCE MACRO**

<b>Attribute Name</b>	<b>Tag</b>	<b>Type</b>	<b>Attribute Description</b>
....			
Resonant Nucleus	(0018,9100)	1C	Nucleus that is resonant at the transmitter frequency. Defined Terms: 1H 3HE 7LI 13C 19F 23NA 31P 129XE Required if Image Type (0008,0008) Value 1 is ORIGINAL or MIXED. May be present otherwise.
<b>k-space Filtering</b>	<b>(0018,9064 )</b>	<b>1C</b>	<b>Describes k-space filtering applied. Shall be NONE if no k-space filter.</b> <b>Defined Terms:</b> <u>COSINE</u> <u>COSINE SQUARED</u> <u>FERMI</u> <u>GAUSSIAN</u> <u>HAMMING</u> <u>HANNING</u> <u>LORENTZIAN</u> <u>LRNTZ GSS TRNSFM</u> <u>RIESZ</u> <u>TUKEY</u> <u>NONE</u> <b>Required if Image Type (0008,0008) Value 1 is ORIGINAL or MIXED. May be present otherwise.</b>
Magnetic Field Strength	(0018,0087)	1C	Nominal field strength of the MR Magnet, in Tesla. Required if Image Type (0008,0008) Value 1 is ORIGINAL or MIXED. May be present otherwise.
....			

**C.8.14.1 MR Spectroscopy Module**

Table C.8.14-1 specifies the attributes of the MR Spectroscopy Module.

**Table C.8.14-1  
 MR SPECTROSCOPY MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
....			
<del>k-space Filtering</del>	<del>(0018,9064)</del>	<del>1C</del>	<del>Describes k-space filtering applied. Shall be NONE if no k-space filter.</del> <del>Defined Terms:</del> <del>_____ COSINE</del> <del>_____ COSINE_SQUARED</del> <del>_____ FERMI</del> <del>_____ GAUSSIAN</del> <del>_____ HAMMING</del> <del>_____ HANNING</del> <del>_____ LORENTZIAN</del> <del>_____ LRNTZ_GSS_TRNSFM</del> <del>_____ RIESZ</del> <del>_____ TUKEY</del> <del>_____ NONE</del> <del>Required if Image Type (0008,0008) Value 1 is ORIGINAL or MIXED. May be present otherwise.</del>
....			

**6 Registry of DICOM data elements**

Tag	Name	VR	VM
(0018,9022)	....	CS	1
(0018,9030)	Tag Spacing First Dimension	FD	1
(0018,9032)	....	CS	1
(0018,9218)	Tag Spacing Second Dimension	<del>S_SFD</del>	1
(0018,9219)	.....	SS	1