

1	STATUS	Final Text
2	Date of Last Update	2014/11/11
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	David Clunie
6		mailto:dclunie@dclunie.com
7	Submission Date	2014/01/27

8	Correction Number CP-1368	
9	Log Summary: Space should be listed in DS and IS VR character repertoire	
10	Name of Standard	
11	PS3.5 2014b	
12	Rationale for Correction: Leading and trailing spaces are explicitly permitted in DS and IS values, but are not listed in the character repertoire column.	
13		
14	Correction Wording:	

Amend DICOM PS3.5 as follows:

Table 6.2-1. DICOM Value Representations

VR Name	Definition	Character Repertoire	Length of Value
...
DS Decimal String	<p>A string of characters representing either a fixed point number or a floating point number. A fixed point number shall contain only the characters 0-9 with an optional leading "+" or "-" and an optional "." to mark the decimal point. A floating point number shall be conveyed as defined in ANSI X3.9, with an "E" or "e" to indicate the start of the exponent. Decimal Strings may be padded with leading or trailing spaces. Embedded spaces are not allowed.</p> <p>Note</p> <p>Data Elements with multiple values using this VR may not be properly encoded if Explicit-VR transfer syntax is used and the VL of this attribute exceeds 65534 bytes.</p>	<p>"0"-"9", "+", "-", "E", "e", "." and the SPACE character of Default Character Repertoire</p>	16 bytes maximum
...
IS Integer String	<p>A string of characters representing an Integer in base-10 (decimal), shall contain only the characters 0 - 9, with an optional leading "+" or "-". It may be padded with leading and/or trailing spaces. Embedded spaces are not allowed.</p> <p>The integer, n, represented shall be in the range: $-2^{31} \leq n \leq (2^{31}-1)$.</p>	<p>"0"-"9", "+", "-" and the SPACE character of Default Character Repertoire</p>	12 bytes maximum
...