Correction Number CP-1368  
Log Summary: Space should be listed in DS and IS VR character repertoire  
Name of Standard  
PS3.5 2014b  
Rationale for Correction: Leading and trailing spaces are explicitly permitted in DS and IS values, but are not listed in the character repertoire column.  
Correction Wording:
**Amend DICOM PS3.5 as follows:**

**Table 6.2-1. DICOM Value Representations**

<table>
<thead>
<tr>
<th>VR Name</th>
<th>Definition</th>
<th>Character Repertoire</th>
<th>Length of Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS</td>
<td>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 &quot;+&quot; or &quot;-&quot; and an optional &quot;:&quot; to mark the decimal point. A floating point number shall be conveyed as defined in ANSI X3.9, with an &quot;E&quot; or &quot;e&quot; to indicate the start of the exponent. Decimal Strings may be padded with leading or trailing spaces. Embedded spaces are not allowed.</td>
<td>&quot;0&quot;,&quot;9&quot;, &quot;+&quot;, &quot;,&quot;, &quot;E&quot;, &quot;e&quot;, &quot;:&quot; and the SPACE character of Default Character Repertoire</td>
<td>16 bytes maximum</td>
</tr>
</tbody>
</table>
| IS          | 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. The integer, n, represented shall be in the range: 

\[-2^{31} \leq n \leq (2^{31}-1)\]. | "0","9", "+", ",", "E", "e", ":" and the SPACE character of Default Character Repertoire | 12 bytes maximum |