Correction Wording:

Add to PS 3.5 Section 2, Normative References:

A 36,112 byte structured report compressed to 3,014 bytes (11.98:1)
A 62,450 12-lead ECG waveform compressed to 26,139 bytes (2.39:1)
For a large range of images, deflate achieves 2.38:1 compression compared to lossless JPEG (SV 1) 2.79:1 and JPEG-LS 3.81:1.
RFC 1951
DEFLATE Compressed Data Format Specification version 1.3

Note: RFC 1951 is available from "http://www.faqs.org/rfcs/rfc1951.html".

Add to PS 3.5 Annex A, Transfer Syntax Specifications:

A.5 DICOM DEFLATED LITTLE ENDIAN TRANSFER SYNTAX (EXPLICIT VR)
This Transfer Syntax applies to the encoding of the entire DICOM Data Set.

The entire Data Set is first encoded according to the rules specified in Section
A.2 DICOM Little Endian Transfer Syntax (Explicit VR).

The entire byte stream is then compressed using the “Deflate” algorithm defined
in Internet RFC 1951.

Notes: 1. The Pixel Data (7FE0,0010) is not handled in any special manner. The pixel data is first encoded
as sequential uncompressed frames without encapsulation, and then is handled as part of the
byte stream fed to the “deflate” compressor in the same manner as the value of any other
attribute.
2. This transfer syntax is particularly useful for compression of objects without pixel data, such as
structured reports. It is not particularly effective at image compression, since any benefit
obtained from compressing the non-pixel data is offset by less effective compression of the
much larger pixel data.
3. A freely available reference implementation of the “deflate” compressor may be found in the zlib
package which may be downloaded from ftp://ftp.uu.net/pub/archiving/zip/zlib/.

This DICOM Deflated Explicit VR Little Endian Transfer Syntax shall be identified
by a UID of Value "1.2.840.10008.1.2.1.99"

Add to PS 3.6 Annex A, Registry of UIDs:

Table A-1
UID VALUES

<table>
<thead>
<tr>
<th>UID Value</th>
<th>UID NAME</th>
<th>UID TYPE</th>
<th>Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.840.10008.1.1</td>
<td>Verification SOP Class</td>
<td>SOP Class</td>
<td>PS 3.4</td>
</tr>
<tr>
<td>1.2.840.10008.1.2</td>
<td>Implicit VR Little Endian: Default Transfer Syntax for DICOM</td>
<td>Transfer Syntax</td>
<td>PS 3.5</td>
</tr>
<tr>
<td>1.2.840.10008.1.2.1</td>
<td>Explicit VR Little Endian</td>
<td>Transfer Syntax</td>
<td>PS 3.5</td>
</tr>
<tr>
<td><strong>1.2.840.10008.1.2.1.99</strong></td>
<td><strong>Deflated Explicit VR Little Endian</strong></td>
<td><strong>Transfer Syntax</strong></td>
<td><strong>PS 3.5</strong></td>
</tr>
<tr>
<td>1.2.840.10008.1.2.2</td>
<td>Explicit VR Big Endian</td>
<td>Transfer Syntax</td>
<td>PS 3.5</td>
</tr>
<tr>
<td>1.2.840.10008.1.2.4.50</td>
<td>JPEG Baseline (Process 1): Default Transfer Syntax for Lossy JPEG 8 Bit Image Compression</td>
<td>Transfer Syntax</td>
<td>PS 3.5</td>
</tr>
<tr>
<td>-----------------------</td>
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