

1	Status	Jan 2019 Voting Packet
2	Date of Last Update	2018/11/12
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7	Submission Date	2018/09/01

8	Correction Number CP-1851	
9	Log Summary: Add length of encapsulated document when not even	
10	Name of Standard	
11	PS3.3, PS3.6	
12	Rationale for Correction:	
13	The encapsulated document payload of an encapsulated PDF, CDA or STL is required to be encoded as even length, i.e., padded	
14	if the original document was of odd length. However, there is no means of recovering the actual odd length of the encapsulated	
15	document when extracting it and hence obtaining a lossless copy of the original. Indeed, the presence of trailing padding may disrupt	
16	the parsing of the extracted document.	
17	Add a new Attribute containing the actual length, which may be equal to or one less than the VL.	
18	Correction Wording:	

Amend DICOM PS3.3 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

C.24.2 Encapsulated Document Module

Table C.24-2. Encapsulated Document Module Attributes

Attribute Name	Tag	Type	Attribute Description
...			A
MIME Type of Encapsulated Document	(0042,0012)	1	The type of the encapsulated document stream described using the MIME Media Type (see RFC 2046).
List of MIME Types	(0042,0014)	1C	MIME Types of subcomponents of the encapsulated document. Required if the encapsulated document incorporates subcomponents with MIME types different than the primary MIME Type of the encapsulated document. Note An Encapsulated CDA that includes an embedded JPEG image and an embedded PDF would list "image/jpeg\application/pdf".
Encapsulated Document	(0042,0011)	1	Encapsulated Document stream, containing a document encoded according to the MIME Type.
<u>Encapsulated Document Length</u>	<u>(0042,eee1)</u>	<u>3</u>	<u>The length of the Encapsulated Document stream, not including any trailing padding added for encapsulation as a DICOM object.</u> <u>If present, shall be equal to the Value Length if even, or one less than the Value Length if odd.</u> Note <u>In the absence of this Attribute, the value of Encapsulated Document (0042,0011) may have been padded to even length as required for all DICOM Data Element Values, so it would not be possible to extract the original unpadded document if it were of odd length.</u>

Amend DICOM PS3.6 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

6 Registry of DICOM Data Elements

Table 6-1. Registry of DICOM Data Elements

Tag	Name	Keyword	VR	VM	
<u>(0042,eee1)</u>	<u>Encapsulated Document Length</u>	<u>EncapsulatedDocumentLength</u>	<u>UL</u>	<u>1</u>	