

## DCMTK - Conformance #1000

### Add support for CP-2083: Add uncompressed encapsulated Transfer Syntax for encoding very large pixel data sets—

2021-07-13 17:25 - Jörg Riesmeier

<b>Status:</b>	New	<b>Start date:</b>	2021-07-13
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jörg Riesmeier	<b>% Done:</b>	70%
<b>Category:</b>	Library and Apps	<b>Estimated time:</b>	24:00 hours
<b>Target version:</b>	3.7.1+	<b>Compiler:</b>	
<b>Module:</b>	dcmdata, dcmnet and possibly others		
<b>Operating System:</b>			
<b>Description</b>			
<p>Rationale for Correction:— Very large uncompressed Pixel Data may exceed the size limit (<math>2^{32}-2</math>) of the data element, yet be required for specific applications— that need the information in one file but can tolerate fragmentation into frames (e.g., dual-personality DICOM-TIFF WSI files).— Add a Transfer Syntax that uses the encapsulation mechanism (sequence items in the Pixel Data element), which permits unlimited— length Pixel Data (within the limit of <math>2^{32}-1</math> frames due to the VR of Number of Frames.—</p> <p>See: <a href="http://medical.nema.org/medical/dicom/final/cp2083_ft_UncompressedEncapsulated.pdf">http://medical.nema.org/medical/dicom/final/cp2083_ft_UncompressedEncapsulated.pdf</a></p>			
<b>Related issues:</b>			
Related to DCMTK - Conformance #1019: Add support for Supplement 225: Multi-F...			<b>Closed</b> <b>2022-04-19</b>

#### History

##### #1 - 2021-07-13 17:29 - Jörg Riesmeier

- Category set to Library and Apps

##### #2 - 2021-11-12 11:50 - Michael Onken

- Target version changed from 3.6.7 to 3.7.1+

##### #3 - 2022-07-20 10:09 - Jörg Riesmeier

- Related to Conformance #1019: Add support for Supplement 225: Multi-Fragment Video Transfer Syntax added

##### #4 - 2022-12-04 17:51 - Jörg Riesmeier

- Target version changed from 3.7.1+ to 3.6.8

##### #5 - 2023-01-16 15:39 - Jörg Riesmeier

- Assignee set to Jörg Riesmeier

##### #6 - 2023-05-30 10:41 - Jörg Riesmeier

- Target version changed from 3.6.8 to 3.7.1+

##### #7 - 2024-05-25 21:22 - Jörg Riesmeier

- % Done changed from 0 to 10

Some preparatory changes have already been made (see commit 98727144c6 and 6e24fb9c9d).

##### #8 - 2024-06-26 18:14 - Jörg Riesmeier

- % Done changed from 10 to 70

- Estimated time set to 24:00 h

Initial support for this new transfer syntax has been implemented with commit af8b94d18 and 402290766.