DCMTK - Conformance #1017

Check handling of enhanced multiframe images by compression codecs

2022-03-04 17:39 - Marco Eichelberg

Status:	New		**Start date:**	2022-03-04
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Library and Apps		**Estimated time:**	0:00 hour
Target version:				
Module:	dcmdata, dcmjpeg, dcmjpls, dcmjp2k		**Compiler:**	
Operating System:				

Description

We need to check how the various image compression codecs in DCMTK (RLE, JPEG, JPEG-LS, JPEG2K) handle Enhanced Multiframe images where some image attributes may be stored in a functional group. In particular, the lossy encoders, which perform various modifications to the DICOM header to keep it consistent with the compressed image, might not be compliant anymore. As a first stop-gap measure, a warning should be issued when a possibly unsupported images type is compressed, and as a long-term fix proper support needs to be implemented.