

DCMTK - Feature #1180

Add support for the Native DICOM Model in xml2dcm

2025-11-17 13:25 - Marco Eichelberg

Status:	New	Start date:	2025-11-17
Priority:	Normal	Due date:	
Assignee:	Harald Roesen	% Done:	0%
Category:	Library and Apps	Estimated time:	0:00 hour
Target version:	3.7.1+	Compiler:	
Module:	dcmdata		
Operating System:			
Description			
The dcm2xml tool can convert DICOM files into two different XML representations:			
• The DCMTK XML format (--dcmktk-format) • The Native DICOM Model format (--native-format)			
The xml2dcm tool converts an XML file back into a binary DICOM file, but currently only supports the DCMTK XML format. Support for the Native DICOM Model format should be added.			
Note 1: The Native DICOM Model is defined here: https://dicom.nema.org/medical/dicom/current/output/html/part19.html#sect_A.1			
Note 2: Limited support for BulkData elements should be provided, similar to the implementation in the json2dcm tool, see implementation of DcmJSONReader::parseElement()			