DCMTK - Conformance #985

Add support for CP-1984: Add Slide Orientation and Total Pixel Matrix information to Segmentation and Parametric Maps for TILED_FULL–

2021-04-30 17:15 - Jörg Riesmeier

Status:	New	**Start date:**	2021-04-30
Priority:	Normal	**Due date:**	
Assignee:	Michael Onken	**% Done:**	0%
Category:	Library	**Estimated time:**	0:00 hour
Target version:			
Module:	dcmpmap, dcmseg	**Compiler:**	
Operating System:			

Description

Rationale for Correction:–

> CP 1830 added the Plane Position (Slide) Macro and Image Orientation (Slide) information to Segmentations and Parametric Maps–
> that work for TILED_SPARSE but not TILED_FULL representations, and there is no Total Pixel Matrix information for TILED_FULL.–
> Image Orientation (Slide) information is needed for TILED_FULL representations, for which Plane Position (Slide) Sequence will be–
> absent.–
>
> Total Pixel Matrix information is needed for TILED_FULL segmentations because otherwise there is no way to determine the row–
> and column tile position of the frames (as distinct from TILED_SPARSE representations, for which the position of each tile is explicitly–
> specified in the Plane Position (Slide) coordinates).–
>
> Total Pixel Matrix information may also be useful for TILED_SPARSE representations, in order to know the full size of the matrix–
> that was sparsely sampled. It is allowed to be present, but it is not required to determine the positions of each encoded frame, which–
> are explicitly encoded.–

See: ftp://medical.nema.org/medical/dicom/final/cp1984_ft_segorientationslide.pdf