

DCMTK - Feature #818

Add support for multiple parameter values to SR Template TID 1500

2018-03-13 14:29 - Jörg Riesmeier

Status:	New	Start date:	2018-03-13
Priority:	Low	Due date:	
Assignee:	Jörg Riesmeier	% Done:	0%
Category:	Library	Estimated time:	0:00 hour
Target version:		Compiler:	
Module:	dcmsr, dcmsr/cmr		
Operating System:			

Description

CP-1705 introduces multiple values for the TID 1500 template parameter \$Measurement (BCID 7468 "Texture-Measurements" in addition to BCID 7469).

This is currently not supported by the implementation of the included templates (as C++ template classes):

```
class DCMTK_CMREXPORT TID1500_MeasurementReport
: public DSRRootTemplate
{
public:

// type definitions
typedef TID1411_VolumetricROIMeasurements<CID7469_GenericIntensityAndSizeMeasurements,
CID7181_AbstractMultiDimensionalImageModelComponentUnits,
CID6147_ResponseCriteria,
CID7464_GeneralRegionOfInterestMeasurementModifiers>
TID1411_Measurements;

typedef TID1501_MeasurementGroup<CID7469_GenericIntensityAndSizeMeasurements,
CID7181_AbstractMultiDimensionalImageModelComponentUnits,
CID6147_ResponseCriteria,
CID7464_GeneralRegionOfInterestMeasurementModifiers>
TID1501_Measurements;

[...];
};
```

History

- #1 - 2018-06-18 15:27 - Jörg Riesmeier**
- A possible solution would be to introduce a new method includeContextGroup() to the class DSRContextGroup, which allows for creating a hierarchical structure of nested context groups. The simplest form would be a (pseudo) context group that includes two other context groups, e.g. CID 7468 and 7469 (in order to solve the above described issue).
- #2 - 2018-06-18 19:23 - Jörg Riesmeier**
- The "idea" from [Note #1](#) will (most probably) not work, since a proper definition of the EnumType would be missing then in the "surrounding" context group (which includes the two others).