DCMTK - Feature #1127

OFTime should distinguish between presence and absence of timezone information

2024-06-18 19:26 - Jörg Riesmeier

Status:	New		**Start date:**	2024-06-18
Priority:	Normal		**Due date:**	
Assignee:	Jörg Riesmeier		**% Done:**	0%
Category:	Library		**Estimated time:**	0:00 hour
Target version:				
Module:	ofstd, dcmsr		**Compiler:**	
Operating System:				

Description

Currently, OFTime does not know whether timezone information is available or not, since internally the value "0" is used for both UTC and unknown/absent timezone information. This should be changed, e.g. by using "NaN" if not timezone information is available.

This feature is e.g. needed for method DSRDateTimeTreeNode::getValueFromXMLNodeContent).

This feature also has an impact on OFDateTime, DcmTime and DcmDateTime.

Related issues:

Related to DCMTK - Patch #895: OFDateTime/OFTime: Support for optional fracti...	**New**	**2019-08-07**
Blocks DCMTK - Feature #1128: dcmsr should support the fractional part of a s...	**New**	**2024-06-19**

History

#1 - 2024-06-18 19:26 - Jörg Riesmeier

- Related to Patch #895: OFDateTime/OFTime: Support for optional fractional part of a second in setISOFormattedXXX() added

#2 - 2024-06-18 19:27 - Jörg Riesmeier

- Description updated

#3 - 2024-06-19 11:38 - Jörg Riesmeier

- Blocks Feature #1128: dcmsr should support the fractional part of a second in its own XML format added