

DCMTK - Feature #1220

Use of DcmDate/Time/DateTime instead of OFDate/Time/DateTime

2026-06-05 11:08 - Marco Eichelberg

Status:	New	Start date:	2026-06-05
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0:00 hour
Target version:		Compiler:	
Module:			
Operating System:			

Description

In various places in DCMTK the classes OFDate/Time/DateTime are used to retrieve the current data or time in DICOM format. There are actually better suited methods available in the corresponding VR classes in module dcmdata (DcmDate/DcmTime/DcmDateTime):

```
dcmdata/libi2d/i2dplop.cc: now.getDate().getISOFormattedDate(contentDate, OFFalse);
dcmdata/libi2d/i2dplop.cc: now.getTime().getISOFormattedTime(contentTime, OFFalse, OFFalse, OFFalse, OFFalse);
dcmdata/libi2d/i2dplop.cc: now.getISOFormattedDateTime(acquisitionDateTime, OFFalse, OFFalse, OFFalse, OFFalse);
dcmfg/libsrc/concatenationloader.cc: date.getISOFormattedDate(tempstr, OFFalse /* no delimiters */);
dcmfg/libsrc/concatenationloader.cc: time.getISOFormattedTime(tempstr, OFTrue /* include seconds */, OFFalse, OFFalse, OFFalse);
dcmimage/libsrc/dcmicmph.cc: (! dt.getDate().getISOFormattedDate(contentDate, OFFalse)) ||
dcmimage/libsrc/dcmicmph.cc: (! dt.getTime().getISOFormattedTime(contentTime, OFTrue, OFFalse, OFFalse, OFFalse))
dcmwlm/libsrc/wlmactmg.cc: dt.getISOFormattedDateTime(ts, OFTrue /* seconds */, OFTrue /* fraction */, OFFalse /* no tz */, OFFalse /* no delimiters */, "" /* no date / time separator */);
dcmiod/include/dcmtdk/dcmiod/iodutil.h: date.getISOFormattedDate(tempstr, OFFalse /* no delimiters */);
dcmiod/include/dcmtdk/dcmiod/iodutil.h: time.getISOFormattedTime(tempstr, OFTrue /* include seconds */, OFFalse, OFFalse, OFFalse);
```

In those places where dates/times are needed in DICOM format (and not in ISO format), the code should be changed to use the VR classes.