

## MARTe2-components - Meeting #1711

### MARTe2-components QA-audit (v1.8.0)

05.04.2024 16:37 - André Neto

<b>Status:</b>	Closed	<b>Start date:</b>	23.08.2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
Aligned with core v1.8.0.			
<b>General</b>			
Information			
The following files were detected as changed between branches develop and master			
AUTHORS			
Lint/marte_components_flint_files.lnt			
Source/Components/DataSources/DAN/DANAPI.cpp			
Source/Components/DataSources/DAN/DANAPI.h			
Source/Components/DataSources/DAN/DANSource.cpp			
Source/Components/DataSources/DAN/DANSource.h			
Source/Components/DataSources/DAN/DANStream.cpp			
Source/Components/DataSources/DAN/DANStream.h			
Source/Components/DataSources/DAN/Makefile.inc			
Source/Components/DataSources/FileDataSource/FileReader.cpp			
Source/Components/DataSources/FileDataSource/FileWriter.cpp			
Source/Components/DataSources/FileDataSource/Makefile.msc			
Source/Components/DataSources/LinuxTimer/Makefile.msc			
Source/Components/DataSources/LoggerDataSource/Makefile.msc			
Source/Components/DataSources/MDSWriter/MDSWriterNode.cpp			
Source/Components/DataSources/Makefile.gcc			
Source/Components/DataSources/Makefile.inc			
Source/Components/DataSources/NI9157/CounterChecker.cpp			
Source/Components/DataSources/NI9157/CounterChecker.h			
Source/Components/DataSources/NI9157/NI9157CircularFifoReader.cpp			
Source/Components/DataSources/UDP/Makefile.msc			
Source/Components/DataSources/UDP/UDPReceiver.cpp			
Source/Components/DataSources/UDP/UDPSender.cpp			
Source/Components/DataSources/UEIDDataSource/Makefile.cov			
Source/Components/DataSources/UEIDDataSource/Makefile.gcc			
Source/Components/DataSources/UEIDDataSource/Makefile.inc			
Source/Components/DataSources/UEIDDataSource/README.md			
Source/Components/DataSources/UEIDDataSource/UEIDDataSourceI.cpp			
Source/Components/DataSources/UEIDDataSource/UEIDDataSourceI.h			
Source/Components/DataSources/UEIDDataSource/UEIReader.cpp			
Source/Components/DataSources/UEIDDataSource/UEIReader.h			
Source/Components/DataSources/UEIDDataSource/UEIWriter.cpp			
Source/Components/DataSources/UEIDDataSource/UEIWriter.h			
Source/Components/GAMs/CRCGAM/Makefile.msc			
Source/Components/GAMs/ConstantGAM/Makefile.msc			
Source/Components/GAMs/ConversionGAM/ConversionGAM.cpp			
Source/Components/GAMs/ConversionGAM/ConversionGAM.h			
Source/Components/GAMs/ConversionGAM/ConversionHelper.h			
Source/Components/GAMs/ConversionGAM/ConversionHelperT.h			
Source/Components/GAMs/ConversionGAM/Makefile.msc			
Source/Components/GAMs/FilterGAM/Filter.cpp			
Source/Components/GAMs/FilterGAM/Filter.h			
Source/Components/GAMs/FilterGAM/FilterGAM.cpp			
Source/Components/GAMs/FilterGAM/FilterGAM.h			

Source/Components/GAMs/FilterGAM/FilterT.h  
Source/Components/GAMs/FilterGAM/Makefile.inc  
Source/Components/GAMs/FilterGAM/Makefile.msc  
Source/Components/GAMs/HistogramGAM/Makefile.msc  
Source/Components/GAMs/IOGAM/Makefile.msc  
Source/Components/GAMs/PIDGAM/Makefile.msc  
Source/Components/GAMs/StatisticsGAM/Makefile.msc  
Source/Components/GAMs/WaveformGAM/Makefile.msc  
Source/Components/Interfaces/Makefile.inc  
Source/Components/Interfaces/OPCUA/OPCUAClientI.cpp  
Source/Components/Interfaces/OPCUA/OPCUAClientRead.cpp  
Source/Components/Interfaces/OPCUA/OPCUAClientWrite.cpp  
Source/Components/Interfaces/UEIDAQ/Makefile.cov  
Source/Components/Interfaces/UEIDAQ/Makefile.gcc  
Source/Components/Interfaces/UEIDAQ/Makefile.inc  
Source/Components/Interfaces/UEIDAQ/UEIAI217\_803.cpp  
Source/Components/Interfaces/UEIDAQ/UEIAI217\_803.h  
Source/Components/Interfaces/UEIDAQ/UEIAO308.cpp  
Source/Components/Interfaces/UEIDAQ/UEIAO308.h  
Source/Components/Interfaces/UEIDAQ/UEIBufferPointer.cpp  
Source/Components/Interfaces/UEIDAQ/UEIBufferPointer.h  
Source/Components/Interfaces/UEIDAQ/UEICircularBuffer.cpp  
Source/Components/Interfaces/UEIDAQ/UEICircularBuffer.h  
Source/Components/Interfaces/UEIDAQ/UEIDIO404.cpp  
Source/Components/Interfaces/UEIDAQ/UEIDIO404.h  
Source/Components/Interfaces/UEIDAQ/UEIDefinitions.h  
Source/Components/Interfaces/UEIDAQ/UEIDevice.cpp  
Source/Components/Interfaces/UEIDAQ/UEIDevice.h  
Source/Components/Interfaces/UEIDAQ/UEIMapContainer.cpp  
Source/Components/Interfaces/UEIDAQ/UEIMapContainer.h  
Source/Components/Interfaces/UEIDAQ/UEIMasterObject.cpp  
Source/Components/Interfaces/UEIDAQ/UEIMasterObject.h  
Source/Components/Interfaces/UEIDAQ/UEIMockupManager.cpp  
Source/Components/Interfaces/UEIDAQ/UEIMockupManager.h  
Source/Components/Interfaces/UEIDAQ/UEIRtDMap.cpp  
Source/Components/Interfaces/UEIDAQ/UEIRtDMap.h  
Source/Components/Interfaces/UEIDAQ/UEIRtVMap.cpp  
Source/Components/Interfaces/UEIDAQ/UEIRtVMap.h  
Test/Components/DataSources/DAN/DANSourceGTest.cpp  
Test/Components/DataSources/DAN/DANSourceTest.cpp  
Test/Components/DataSources/DAN/DANSourceTest.h  
Test/Components/DataSources/DAN/DANStreamGTest.cpp  
Test/Components/DataSources/DAN/DANStreamTest.cpp  
Test/Components/DataSources/DAN/DANStreamTest.h  
Test/Components/DataSources/DAN/Makefile.inc  
Test/Components/DataSources/DAN/dan\_test\_config.xml  
Test/Components/DataSources/DAN/dan\_test\_config\_ccs\_6.xml  
Test/Components/DataSources/Makefile.inc  
Test/Components/DataSources/NI9157/CounterCheckerGTest.cpp  
Test/Components/DataSources/NI9157/CounterCheckerTest.cpp  
Test/Components/DataSources/NI9157/CounterCheckerTest.h  
Test/Components/DataSources/UEIDataSource/Makefile.cov  
Test/Components/DataSources/UEIDataSource/Makefile.gcc  
Test/Components/DataSources/UEIDataSource/Makefile.inc  
Test/Components/DataSources/UEIDataSource/UEIDataSourceIGTest.cpp  
Test/Components/DataSources/UEIDataSource/UEIDataSourceITest.cpp  
Test/Components/DataSources/UEIDataSource/UEIDataSourceITest.h  
Test/Components/DataSources/UEIDataSource/UEIReaderGTest.cpp  
Test/Components/DataSources/UEIDataSource/UEIReaderTest.cpp  
Test/Components/DataSources/UEIDataSource/UEIReaderTest.h  
Test/Components/DataSources/UEIDataSource/UEIWriterGTest.cpp  
Test/Components/DataSources/UEIDataSource/UEIWriterTest.cpp  
Test/Components/DataSources/UEIDataSource/UEIWriterTest.h  
Test/Components/GAMs/ConversionGAM/ConversionGAMGTest.cpp  
Test/Components/GAMs/ConversionGAM/ConversionGAMTest.h  
Test/Components/GAMs/FilterGAM/FilterGAMGTest.cpp  
Test/Components/GAMs/FilterGAM/FilterGAMTest.cpp

Test/Components/GAMs/FilterGAM/FilterGAMTest.h  
Test/Components/GAMs/FilterGAM/FilterGAMTestHelper.cpp  
Test/Components/GAMs/FilterGAM/FilterGAMTestHelper.h  
Test/Components/GAMs/FilterGAM/Makefile.inc  
Test/Components/Interfaces/Makefile.cov  
Test/Components/Interfaces/Makefile.inc  
Test/Components/Interfaces/UEIDAQ/Makefile.cov  
Test/Components/Interfaces/UEIDAQ/Makefile.gcc  
Test/Components/Interfaces/UEIDAQ/Makefile.inc  
Test/Components/Interfaces/UEIDAQ/UEIAI217\_803GTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIAI217\_803Test.cpp  
Test/Components/Interfaces/UEIDAQ/UEIAI217\_803Test.h  
Test/Components/Interfaces/UEIDAQ/UEIAO308GTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIAO308Test.cpp  
Test/Components/Interfaces/UEIDAQ/UEIAO308Test.h  
Test/Components/Interfaces/UEIDAQ/UEIBufferPointerGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIBufferPointerTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIBufferPointerTest.h  
Test/Components/Interfaces/UEIDAQ/UEICircularBufferGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEICircularBufferTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEICircularBufferTest.h  
Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/AdditionalDefinitions.h  
Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/PDNA.h  
Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/UEIDAQMockup.h  
Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/powerdna.h  
Test/Components/Interfaces/UEIDAQ/UEIDIO404GTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIDIO404Test.cpp  
Test/Components/Interfaces/UEIDAQ/UEIDIO404Test.h  
Test/Components/Interfaces/UEIDAQ/UEIDeviceGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIDeviceTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIDeviceTest.h  
Test/Components/Interfaces/UEIDAQ/UEIMapContainerGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIMapContainerTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIMapContainerTest.h  
Test/Components/Interfaces/UEIDAQ/UEIMasterObjectGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIMasterObjectTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIMasterObjectTest.h  
Test/Components/Interfaces/UEIDAQ/UEIRtDMapGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIRtDMapTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIRtDMapTest.h  
Test/Components/Interfaces/UEIDAQ/UEIRtVMapGTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIRtVMapTest.cpp  
Test/Components/Interfaces/UEIDAQ/UEIRtVMapTest.h  
Test/GTest/Makefile.inc

OK: no errors found.

## Requirements review

**Date of the review:** 04/04/2024

**Person who did the review:** jenkins1 (codac.local)

**Version of requirements:** TODO

**Result of review:** TODO

**List of non-conformities:** TODO

**Comments:** TODO

## Architecture & design review

**Date of the review:** 04/04/2024

Person who did the review: jenkins1 (codac.local)

Version of architecture & design document: TODO

Result of review: TODO

List of non-conformities: TODO

Comments: TODO

## Code and documentation review

Date of the review: 04/04/2024

Person who did the review: jenkins1 (codac.local)

Version of source code: 0937152073a62c3780d7c7c9801704ba53350e70

Result of review: TODO

List of non-conformities:

Run flexelint and report TODO

### Headers

ERR: Invalid #includes sorted in file Source/Components/DataSources/DAN/DANAPI.h  
ERR: Invalid #includes sorted in file Source/Components/DataSources/DAN/DANSource.cpp  
ERR: Invalid @date in file Source/Components/DataSources/DAN/DANStream.cpp  
ERR: Invalid @author in file Source/Components/DataSources/DAN/DANStream.cpp  
ERR: Invalid #includes sorted in file Source/Components/DataSources/UEIDataSource/UEIDataSourceI.h  
ERR: Invalid #includes sorted in file Source/Components/DataSources/UEIDataSource/UEIReader.h  
ERR: Invalid #includes sorted in file Source/Components/DataSources/UEIDataSource/UEIWriter.h  
ERR: Invalid #includes sorted in file Source/Components/GAMs/ConversionGAM/ConversionHelperT.h  
ERR: Invalid @date in file Source/Components/GAMs/FilterGAM/Filter.cpp  
ERR: Invalid @author in file Source/Components/GAMs/FilterGAM/Filter.cpp  
ERR: Invalid #includes sorted in file Source/Components/GAMs/FilterGAM/FilterGAM.h  
ERR: Invalid #includes sorted in file Source/Components/GAMs/FilterGAM/FilterT.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIAI217\_803.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIAO308.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEICircularBuffer.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIDIO404.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIDevice.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIMapContainer.cpp  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIMapContainer.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIMasterObject.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIMockupManager.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIRtDMap.h  
ERR: Invalid #includes sorted in file Source/Components/Interfaces/UEIDAQ/UEIRtVMap.h  
ERR: Invalid #includes sorted in file Test/Components/DataSources/DAN/DANSourceGTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/DataSources/DAN/DANSourceTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/DataSources/DAN/DANStreamGTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/DataSources/DAN/DANStreamTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/DataSources/UEIDataSource/UEIDataSourceITest.h  
ERR: Invalid #includes sorted in file Test/Components/DataSources/UEIDataSource/UEIReaderTest.h  
ERR: Invalid #includes sorted in file Test/Components/DataSources/UEIDataSource/UEIWriterTest.h  
ERR: Invalid #includes sorted in file Test/Components/GAMs/ConversionGAM/ConversionGAMGTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/GAMs/ConversionGAM/ConversionGAMTest.h  
ERR: Invalid #includes sorted in file Test/Components/GAMs/FilterGAM/FilterGAMGTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/GAMs/FilterGAM/FilterGAMTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIAI217\_803Test.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIAO308Test.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIBufferPointerTest.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEICircularBufferTest.h  
ERR: Invalid @file in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/AdditionalDefinitions.h  
ERR: Invalid @brief in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/AdditionalDefinitions.h

ERR: Invalid @date in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/AdditionalDefinitions.h  
ERR: Invalid @author in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/AdditionalDefinitions.h  
ERR: Invalid @copyright in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/AdditionalDefinitions.h  
ERR: Invalid @file in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/PDNA.h  
ERR: Invalid @brief in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/PDNA.h  
ERR: Invalid @date in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/PDNA.h  
ERR: Invalid @author in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/PDNA.h  
ERR: Invalid @copyright in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/PDNA.h  
ERR: Invalid @file in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/UEIDAQMockup.h  
ERR: Invalid @brief in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/UEIDAQMockup.h  
ERR: Invalid @date in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/UEIDAQMockup.h  
ERR: Invalid @author in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/UEIDAQMockup.h  
ERR: Invalid @copyright in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/UEIDAQMockup.h  
ERR: Invalid @file in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/powerdna.h  
ERR: Invalid @brief in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/powerdna.h  
ERR: Invalid @date in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/powerdna.h  
ERR: Invalid @author in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/powerdna.h  
ERR: Invalid @copyright in file Test/Components/Interfaces/UEIDAQ/UEIDAQMockup/powerdna.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIDIO404Test.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIDeviceTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIDeviceTest.h  
ERR: Invalid @file in file Test/Components/Interfaces/UEIDAQ/UEIMapContainerTest.cpp  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIMapContainerTest.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIMasterObjectTest.h  
ERR: Invalid @file in file Test/Components/Interfaces/UEIDAQ/UEIRtDMapTest.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIRtDMapTest.h  
ERR: Invalid #includes sorted in file Test/Components/Interfaces/UEIDAQ/UEIRtVMapTest.h

#### Lint includes

ERR: File ProfinetDataSourceAdapter.cpp is not being linted!  
ERR: File ProfinetToMARTeLogAdapter.cpp is not being linted!  
ERR: File UEIWriter.cpp is not being linted!  
ERR: File UEIDataSource1.cpp is not being linted!  
ERR: File UEIReader.cpp is not being linted!  
ERR: File UEIAI217\_803.cpp is not being linted!  
ERR: File UEIMockupManager.cpp is not being linted!  
ERR: File UEIDIO404.cpp is not being linted!  
ERR: File UEIMasterObject.cpp is not being linted!  
ERR: File UEIMapContainer.cpp is not being linted!  
ERR: File UEICircularBuffer.cpp is not being linted!  
ERR: File UEIRtVMap.cpp is not being linted!  
ERR: File UEIDevice.cpp is not being linted!  
ERR: File UEIRtDMap.cpp is not being linted!  
ERR: File UEIAO308.cpp is not being linted!  
ERR: File UEIBufferPointer.cpp is not being linted!  
ERR: File CCSHelpers.cpp is not being linted!  
ERR: File AuthUtils.cpp is not being linted!  
ERR: Not all files are being included for linting

#### Lint

ERR: /home/jenkins/MARTE2-dev/MakeDefaults/Lint/marte\_flint\_exceptions.lnt 15  
ERR: Note 974: Worst case function for stack usage: 'MARTE::FlattenedStructIOGAM::TransverseStructure' is recursive, loop contains call to 'MARTE::FlattenedStructIOGAM::TransverseStructure'. See [stack for a full report](#). [MISRA C++ Rule 7-5-4]

#### Doxygen

OK: no errors found.

## Unit test review

Date of the review: 04/04/2024

Person who did the review: jenkins1 (codac.local)

Result of coverage tests review:TODO

Result of functional tests review:TODO

Result of review:TODO

Comments:TODO

List of non-conformities:

#### Functional tests

- ERR: Test file not found: Test/Components/DataSources/DAN/DANAPIGTest.cpp
- ERR: DANSource:CloseStream is not tested
- ERR: DANSource:GetAbsoluteStartTime is not tested
- ERR: DANSource:GetDANBufferMultiplier is not tested
- ERR: DANSource:OpenStream is not tested
- ERR: DANSource:PrepareNextState is not tested
- ERR: DANSource:Purge is not tested
- ERR: DANSource:Synchronise is not tested
- ERR: DANStream:GetPeriodNanos is not tested
- ERR: UEIDataSource:AllocateMemory is not tested
- ERR: UEIDataSource:GetBrokerName is not tested
- ERR: UEIDataSource:PrepareNextState is not tested
- ERR: UEIDataSource:SetConfiguredDatabase is not tested
- ERR: UEIDataSource:Synchronise is not tested
- ERR: UEIDataSource:TerminateInputCopy is not tested
- ERR: UEIReader:AllocateMemory is not tested
- ERR: UEIReader:GetBrokerName is not tested
- ERR: UEIReader:PrepareNextState is not tested
- ERR: UEIReader:SetConfiguredDatabase is not tested
- ERR: UEIReader:Synchronise is not tested
- ERR: UEIReader:TerminateInputCopy is not tested
- ERR: UEIWriter:AllocateMemory is not tested
- ERR: UEIWriter:GetBrokerName is not tested
- ERR: UEIWriter:PrepareNextState is not tested
- ERR: UEIWriter:SetConfiguredDatabase is not tested
- ERR: UEIWriter:Synchronise is not tested
- ERR: UEIWriter:TerminateInputCopy is not tested
- ERR: ConversionGAM:Initialise is not tested
- ERR: ConversionHelper:Convert is not tested
- ERR: ConversionHelper:GetInputMemory is not tested
- ERR: ConversionHelper:GetNumberOfElements is not tested
- ERR: ConversionHelper:GetNumberOfSamples is not tested
- ERR: ConversionHelper:GetOutputMemory is not tested
- ERR: ConversionHelper:LoadGain is not tested
- ERR: ConversionHelper:LoadOffset is not tested
- ERR: ConversionHelper:SetNumberOfElements is not tested
- ERR: ConversionHelper:SetNumberOfSamples is not tested
- ERR: Test file not found: Test/Components/GAMs/ConversionGAM/ConversionHelperGTest.cpp
- ERR: ConversionHelperT:LoadOffset is not tested
- ERR: Filter:CheckNormalisation is not tested
- ERR: Filter:GetDenCoeff is not tested
- ERR: Filter:GetNumCoeff is not tested
- ERR: Filter:GetNumberOfDenCoeff is not tested
- ERR: Filter:GetNumberOfNumCoeff is not tested
- ERR: Filter:GetStaticGainFloat32 is not tested
- ERR: Filter:GetStaticGainFloat64 is not tested
- ERR: Filter:GetStaticGainInt32 is not tested
- ERR: Filter:GetStaticGainInt64 is not tested
- ERR: Filter:Initialise is not tested
- ERR: Filter:Process is not tested
- ERR: Filter:Reset is not tested
- ERR: Test file not found: Test/Components/GAMs/FilterGAM/FilterGTest.cpp
- ERR: FilterGAM:GetDenCoeff is not tested

ERR: FilterGAM:GetNumCoeff is not tested  
ERR: FilterGAM:GetNumberOfDenCoeff is not tested  
ERR: FilterGAM:GetNumberOfNumCoeff is not tested  
ERR: FilterGAM:GetNumberOfSamples is not tested  
ERR: FilterGAM:GetNumberOfSignals is not tested  
ERR: FilterGAM:GetResetInEachState is not tested  
ERR: FilterGAM:GetStaticGain is not tested  
ERR: FilterGAM:PrepareNextState is not tested  
ERR: FilterT:CheckNormalisation is not tested  
ERR: FilterT:GetDenCoeff is not tested  
ERR: FilterT:GetNumCoeff is not tested  
ERR: FilterT:GetStaticGainFloat32 is not tested  
ERR: FilterT:GetStaticGainFloat64 is not tested  
ERR: FilterT:GetStaticGainInt32 is not tested  
ERR: FilterT:GetStaticGainInt64 is not tested  
ERR: FilterT:Initialise is not tested  
ERR: FilterT:Process is not tested  
ERR: FilterT:Reset is not tested  
ERR: Test file not found: Test/Components/GAMs/FilterGAM/FilterTGTest.cpp  
ERR: UEIAI217\_803:ConfigureChannels is not tested  
ERR: UEIAI217\_803:GetDeviceChannels is not tested  
ERR: UEIAI217\_803:GetHardwareChannels is not tested  
ERR: UEIAI217\_803:GetModel is not tested  
ERR: UEIAI217\_803:GetSampleSize is not tested  
ERR: UEIAI217\_803:GetType is not tested  
ERR: UEIAI217\_803:InitBuffer is not tested  
ERR: UEIAI217\_803:RetrieveInputSignal is not tested  
ERR: UEIAI217\_803:ScaleSignal is not tested  
ERR: UEIAI217\_803:SetOutputSignal is not tested  
ERR: UEIAO308:ConfigureChannels is not tested  
ERR: UEIAO308:GetDeviceChannels is not tested  
ERR: UEIAO308:GetHardwareChannels is not tested  
ERR: UEIAO308:GetModel is not tested  
ERR: UEIAO308:GetSampleSize is not tested  
ERR: UEIAO308:GetType is not tested  
ERR: UEIAO308:InitBuffer is not tested  
ERR: UEIAO308:RetrieveInputSignal is not tested  
ERR: UEIAO308:ScaleSignal is not tested  
ERR: UEIBufferPointer:GetSample is not tested  
ERR: UEIBufferPointer:SetHead is not tested  
ERR: UEIBufferPointer:SetPointerCharacteristics is not tested  
ERR: UEICircularBuffer:AdvanceBufferIndex is not tested  
ERR: UEICircularBuffer:AdvanceBufferReadOneSample is not tested  
ERR: UEICircularBuffer:AdvanceReadPointer is not tested  
ERR: UEICircularBuffer:CheckAvailableSpace is not tested  
ERR: UEICircularBuffer:CheckReadReady is not tested  
ERR: UEICircularBuffer:CheckoutBuffer is not tested  
ERR: UEICircularBuffer:GetAvailableBytesToRead is not tested  
ERR: UEICircularBuffer:GetBufferWritePointers is not tested  
ERR: UEICircularBuffer:GetWritePointer is not tested  
ERR: UEICircularBuffer:ReadBuffer is not tested  
ERR: UEICircularBuffer:ReadBytes is not tested  
ERR: UEICircularBuffer:ReadChannel is not tested  
ERR: UEICircularBuffer:ReadTimestamp is not tested  
ERR: UEICircularBuffer:ResetBuffer is not tested  
ERR: UEICircularBuffer:ZeroNextBytes is not tested  
ERR: UEIDIO404:ConfigureChannels is not tested  
ERR: UEIDIO404:GetDeviceChannels is not tested  
ERR: UEIDIO404:GetHardwareChannels is not tested  
ERR: UEIDIO404:GetModel is not tested  
ERR: UEIDIO404:GetSampleSize is not tested  
ERR: UEIDIO404:GetType is not tested  
ERR: UEIDIO404:InitBuffer is not tested  
ERR: UEIDIO404:RetrieveInputSignal is not tested  
ERR: UEIDIO404:ScaleSignal is not tested  
ERR: UEIDIO404:SetOutputSignal is not tested  
ERR: Test file not found: Test/Components/Interfaces/UEIDAQ/UEIDefinitionsGTest.cpp

ERR: UEIDevice:AcceptedSignalType is not tested  
ERR: UEIDevice:CheckChannelListAndDirection is not tested  
ERR: UEIDevice:ConfigureChannels is not tested  
ERR: UEIDevice:ConfigureDevice is not tested  
ERR: UEIDevice:GetDevN is not tested  
ERR: UEIDevice:GetDeviceChannels is not tested  
ERR: UEIDevice:GetHardwareChannels is not tested  
ERR: UEIDevice:GetHardwareCorrespondence is not tested  
ERR: UEIDevice:GetMapAssignment is not tested  
ERR: UEIDevice:GetModel is not tested  
ERR: UEIDevice:GetName is not tested  
ERR: UEIDevice:GetSampleSize is not tested  
ERR: UEIDevice:GetSamplingFrequency is not tested  
ERR: UEIDevice:GetType is not tested  
ERR: UEIDevice:InitBuffer is not tested  
ERR: UEIDevice:RetrieveInputSignal is not tested  
ERR: UEIDevice:ScaleSignal is not tested  
ERR: UEIDevice:SetHardwareCorrespondence is not tested  
ERR: UEIDevice:SetInputChannelList is not tested  
ERR: UEIDevice:SetMapAssignment is not tested  
ERR: UEIDevice:SetOutputChannelList is not tested  
ERR: UEIDevice:SetOutputSignal is not tested  
ERR: UEIMapContainer:CheckMapCoherency is not tested  
ERR: UEIMapContainer:CleanupMap is not tested  
ERR: UEIMapContainer:ConfigureInputsForDataSource is not tested  
ERR: UEIMapContainer:ConfigureOutputsForDataSource is not tested  
ERR: UEIMapContainer:GetChannelOfMember is not tested  
ERR: UEIMapContainer:GetDevDefined is not tested  
ERR: UEIMapContainer:GetExecutionMode is not tested  
ERR: UEIMapContainer:GetInputs is not tested  
ERR: UEIMapContainer:GetMapStatus is not tested  
ERR: UEIMapContainer:GetName is not tested  
ERR: UEIMapContainer:GetNumberOfChannels is not tested  
ERR: UEIMapContainer:GetType is not tested  
ERR: UEIMapContainer:GetsampleRate is not tested  
ERR: UEIMapContainer:IsSignalAllowed is not tested  
ERR: UEIMapContainer:RegisterDS is not tested  
ERR: UEIMapContainer:SetDAQHandle is not tested  
ERR: UEIMapContainer:SetOutputs is not tested  
ERR: UEIMapContainer:StartMap is not tested  
ERR: UEIMapContainer:StopMap is not tested  
ERR: UEIMockupManager:Initialise is not tested  
ERR: Test file not found: Test/Components/Interfaces/UEIDAQ/UEIMockupManagerGTest.cpp  
ERR: UEIRtDMap:CheckMapCoherency is not tested  
ERR: UEIRtDMap:CleanupMap is not tested  
ERR: UEIRtDMap:ConfigureOutputsForDataSource is not tested  
ERR: UEIRtDMap:GetInputs is not tested  
ERR: UEIRtDMap:GetType is not tested  
ERR: UEIRtDMap:SetOutputs is not tested  
ERR: UEIRtDMap:StopMap is not tested  
ERR: UEIRtVMap:CheckMapCoherency is not tested  
ERR: UEIRtVMap:CleanupMap is not tested  
ERR: UEIRtVMap:ConfigureOutputsForDataSource is not tested  
ERR: UEIRtVMap:GetInputs is not tested  
ERR: UEIRtVMap:GetType is not tested  
ERR: UEIRtVMap:SetOutputs is not tested  
ERR: UEIRtVMap:StopMap is not tested

## GTest

WARN: Number of errors has not changed (but there are still errors). Number of tests: 1850. Current branch: 16. Reference branch: 16

OK: Number of tests increased. Current branch: 1850. Reference branch: 1771

## Unsolved Failing Tests

ERR: TestCRIOThreadCallback



ERR: TestCRIOThreadCallback\_FailedRead  
ERR: TestGetInputOffset  
ERR: TestInitialise  
ERR: TestInitialise\_TimestampProvider  
ERR: TestPrepareInputOffsets  
ERR: TestPrepareNextState  
ERR: TestSetConfiguredDatabase  
ERR: TestTerminateInputCopy  
ERR: TestStopAcquisition  
ERR: TestOPCUAMethodCall\_Array  
ERR: Test\_Read\_ExtensionObject\_Complex  
ERR: Test\_Read\_ExtensionObject\_Array  
ERR: Test\_Write\_ExtensionObject\_Complex  
ERR: Test\_Write\_ExtensionObject\_Array

### New Failing Tests

ERR: Test\_Write\_ExtensionObject

### Solved Failing Tests

ERR: TestCheck

### Coverage

OK: GAMs/FilterGAM/Filter.cpp: is new. Line coverage is OK: (100.0 % >= 90.0 %)  
OK: GAMs/FilterGAM/FilterGAM.cpp: was modified. line coverage is still OK. This branch (99.5 % >= 90.0 %). Reference branch (98.3 % >= 90.0 %)  
OK: GAMs/FilterGAM/FilterT.h: is new. Line coverage is OK: (100.0 % >= 90.0 %)  
OK: Interfaces/OPCUA/OPCUAClientRead.cpp: insufficient line coverage (but has improved): (83.2 % < 90.0 %). Reference branch (83.1 % < 90.0 %)  
OK: Interfaces/OPCUA/OPCUAClientWrite.cpp: insufficient line coverage (but has improved): (84.7 % < 90.0 %). Reference branch (84.5 % < 90.0 %)  
OK: Interfaces/SysLogger/SysLogger.cpp: was modified. line coverage is still OK. This branch (98.5 % >= 90.0 %). Reference branch (24.6 % >= 90.0 %)  
OK: No coverage errors found  
OK: no errors found.

## Integration test review

**Date of the review:** 04/04/2024

**Person who did the review:** jenkins1 (codac.local)

**Version of source code:** 0937152073a62c3780d7c7c9801704ba53350e70

**Result of review:** N/A

**List of non-conformities:** N/A

**Comments:** N/A

## Acceptance test review

**Date of the review:** 04/04/2024

**Person who did the review:** jenkins1 (codac.local)

**Version of source code:** 0937152073a62c3780d7c7c9801704ba53350e70

**Result of review:** N/A

**List of non-conformities:** N/A

**Comments:** N/A

