Document Title	SWS_CoreTest: Complete Change Documentation 4.3.0 - 4.3.1
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Part of AUTOSAR Standard	Classic Platform
Part of Standard Release	4.3.1

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1 SWS_CoreTest

1.1 Specification Item SWS_CorTst_00138

Trace References:

Content:

For the type CorTst_ErrOkType, the enumeration value CORTST_E_NOT_TESTED shall be the default value after a reset. This enumeration value shall have the numeric value 0. CorTstTestIntervalId shall have value zero per default.

RfCs affecting this spec item between releases 4.3.0 and 4.3.1:

- RfC #76532: MCAL: Numeric value definition

  Problem description:

  General question: Why we need to define in SWS the numeric values e.g. for Enumeration. If we decide to do that it shall be done as part of the table description and it shall be consistently done for all ranges, type etc.

  In general it shall be defined in AUTOSAR whether defined values from UML model shall be extracted to the SWS. Example for a solution is to add the numeric values to the tables in chapter 8.

  Numeric value definitions are redundant for the following items:
  SWS_Spi_00011: After reset, the type Spi_StatusType shall have the default value SPI_UNINIT with the numeric value 0.()
  Reason vor the value is coming from SRS_BSW_00406. This shall be added for traceability.

  [SWS_Spi_00012] After reset, the type Spi_JobResultType shall have the de-fault value SPI_JOB_OK with the numeric value 0.()
  [SWS_Spi_00017] After reset, the type Spi_SeqResultType shall have the de-fault value SPI_SEQ_OK with the numeric value 0.()

  Agreed solution:

  Replace old description by this text:
  [SWS_Spi_00011]: After reset, the type Spi_StatusType shall have the default value SPI_UNINIT.()
  [SWS_Spi_00012]: After reset, the type Spi_JobResultType shall have the de-fault value SPI_JOB_OK.()

[SWS_Spi_00017]: After reset, the type Spi_SeqResultType shall have the de-fault value SPI_SEQ_OK.()

SWS_Spi_00373:
Spi_StatusType: Table item "SPI_UNINIT" shall have the value "0x00". Generation from UML model;
Traceability to be added to "SRS_BSW_00406, SRS_BSW_00335"

Affected CorTst:
Replace old description by the following :

[SWS_CorTst_00138]
For the type CorTst_ErrOkType, the enumeration value CORTST_E_NOT_TESTED shall be the default value after a reset. CorTstTestIntervalId shall have value zero per default.

Affected FlsTst:
Replace old description by the following :
[SWS_FlsTst_00049] For the type FlsTst_StateType, the enumeration value FLSTST_UNINIT shall be the default value after a reset.
[SWS_FlsTst_00053] For the type FlsTst_TestResultFgndType, the enumeration value FLSTST_NOT_TESTED shall be the default value after a reset.
[SWS_FlsTst_00154] For the type FlsTst_TestResultBgndType, the enumeration value FLSTST_RESULT_NOT_TESTED shall be the default value after a reset.

[SWS_FlsTst_00164] UML shall be updated to generate FLSTST_RESULT_NOT_TESTED with "0" value within this table.

Affected RamTst:
[SWS_RamTst_00006] For the type RamTst_ExecutionStatusType, the enumeration value RAMTST_EXECUTION_UNINIT shall be the default value after a reset.
[SWS_RamTst_00012] For the type RamTst_TestResultType (of the overall test result), the enumeration value RAMTST_RESULT_NOT_TESTED shall be the default value after a reset.
Remove trace to (SRS_BSW_00406)
[SWS_RamTst_00013] For the type RamTst_AlgorithmType, the enumeration value RAMTST_ALGORITHM_UNDEFINED shall be the default value after reset.
Remove trace to (SRS_BSW_00406)

Other MCAL modules:

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Dio, Wdg, Ocu are not affected by this.
–Last change on issue 76532 comment 7–

BW-C-Level:

Application	Specification	Bus
1	1	1