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| **Project:** | **Cor\_IF + 4-wire** |
| **Subsystem under Review:** | **Modbus** |
| **Revision:** | **01.00.00** |
| **Review Date:** | **15.06.2016** |

**Review-Participant:**

|  |  |  |
| --- | --- | --- |
| *Dept.* | *Name* |  |
| IIGF | Georg Horst | Developer |
|  |  |  |

**Decision of the Review:**

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| --- | --- | --- |
|  | *Decision* | *next steps* |
|  | Inspection passed ***without restrictions*** | Phase finished |
| **X** | Inspection passed ***with restrictions*** | some changes must be done |
|  | Inspection ***not*** passed | Inspection must be repeated |

**Changes are proved:** The Reviewer confirms that all changes are done:

|  |  |  |
| --- | --- | --- |
| proved Rev: | Date: | Reviewer: |
|  | 02.11.2016 | G. Horst |

**Check list:**

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| --- | --- | --- | --- |
|  |  | yes | no |
| 1. | Review the code for conformance with the coding guideline.  **(based on Coding Convention for embedded Software V.2.6.docx)** |  | **x** |
| 2. | Check that erroneous data inputs are covered correctly. | **x** |  |
| 3. | Check that parameter passing by reference is correctly used. | **X** |  |
| 4. | Check that all specified outputs are produced. | **x** |  |
| 5. | Check that all functions are clear too understood. |  | **x** |
| 6. | Check that the program sequencing is proper. | **x** |  |
| 7. | Check that all type casts are correct. | **X** |  |
| 8. | Check that conditional compile is correctly used. | **x** |  |
| 9. | Check that the module test has passed successful and covered the implementation. | **X** |  |
| 10. | Check that the code is successful checked by a lint-tool (passed warning level 2 for SIL2 ) |  | **x** |
| 11. | Check that all related safety measures based on the safety analysis are covered. |  |  |
| 12. | Check that known problems and limitations of compiler, linker and operating system are   considered by the developer. | **x** |  |
| 13. | Are all open issues transferred to the defects table? | **X** |  |

**Defects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No.. | Checkpoint | Description | Major Defect | done  Date |
| 1 | 1 | Creation Date of Functions is behind the module test date, please check or do module test again. It seems that the function was changed, but the module test was not repeated.  Please update the environment to (in case you are doing the retest):  4WCTW; IAR RX210 IAR Version V2.4.  Example:    Such issues found in:  Modbus\_command\_handlers\_private.c ->ln 58;179  Modbus\_command\_handlers\_public.c  -> ln 100;254;409;452;500;546;  Modbus\_commands\_helper.c -> ln 57;117;149;183;  Modbus\_data\_handlers\_generic.c -> ln 47;113; | x | 2016-10-09 |
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| 2 | 1 | Module test is missing. It is very important that the test area is filled out. The Module Test documentation shall be part of the Module header description like in :    Missing module test in:  Modbus\_crc.c -> ln 83;130; | **x** | 2016-10-27 |
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|  |  | Description of function do not match to the declaration:  Like:    Such issues found in:  Modbus\_command\_handlers\_private.c -> ln 53; 171;  Modbus\_command\_handlers\_public.c -> ln 95; 249;404;447;496;  Modbus\_commands\_helper.c -> 176;  Modbus\_crc.c -> ln 126  Modbus\_data\_handlers\_generic.c -> ln 38;105; |  | 2016-10-27 |
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|  |  |  |  |  |
|  |  | A lot of Lint Messages – see also file: Lint\_Results\_Modbus.txt | x | 2016-10-27 |
|  |  |  |  |  |
|  |  | Partially the brief of the function is not understandable. Please extend the brief description of the functions. As this is nearly the case in all files. Please check all brief descriptions.  Example: |  | 2016-10-27 |
|  |  | Unused Code / or Defines should not commented out.  Please remove if it is not needed or described in detail the  use case, necessity of this comment or code in: |  | 2016-10-27 |
|  |  |  |  |  |