ABB	s	oftware Cod (Modb			SCR
Responsibility:	Date:	Language:	Filing system :	Revision:	Page:
APR/IIGF	15.06.2016	en	TFS	0.2	1/5
Issued by:	Approved:		Released:	A	rea of validity:
G. Horst	-		-	Α	PR/IIGF

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:

Decision	next steps
Inspection passed without restrictions	Phase finished
X Inspection passed with restrictions	some changes must be done
☐ Inspection <i>not</i> 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:

		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	

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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: //	x	2016-10- 09
i i		1	1

ABB	S	Software Code Review (Modbus)		S	CR
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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: //	x	2016-10- 27
		Missing module test in:		
		Modbus_crc.c -> In 83;130;		
			1	
			-	
			 	
			1	

ABB	5	Software Cod (Modb		so	CR
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brief Nauthor Sl. Vate 20/08/08 Varian Vate Vale V		
Such issues found in:		
Modbus_command_handlers_private.c -> In 53; 171; Modbus_command_handlers_public.c -> In 95; 249;404;447;496; Modbus_commands_helper.c -> 176; Modbus_crc.c -> In 126 Modbus_data_handlers_generic.c -> In 38;105;		
A lot of Lint Messages – see also file: Lint_Results_Modbus.txt	Х	2016-10-27

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G. Horst	-		-	APR/IIGF	

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