

GX-Force Static Program Analysis Verification Result

Document No.GX-Force_SW402

Approval	Review	Preparation
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No.	Date	Version	Revised content	Remarks
Ex.	20XX/XX/XX	RevX.X	Create New	
1	2021/5/27	Rev1.0	Create New	
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Source code static analysis results

Analytical method

- Statically analyze program with the C++test static analysis tool.
- Corresponding programs are no. 07244 and 07245.
- Categorize the analysis results into Total No. of Findings, No Problems, and Requires Correction.
Make corrections to Requires Correction items.
- Write reason for items categorized as No Problems.
- Configure C++test as follows.
 - Compiler type
 - ⇒ CC-RX, CC-RL
 - Build configuration
 - ⇒ Same build configuration as development environment
 - Applicable rules
 - ⇒ Apply all MISRA-C2012 rules
- Verification level
 - Verify against MISRA C 2012 Level1, 2.
 - Information on levels
 - [1] Messages indicating major problems resulting in compiler errors
 - [2] Messages indicating program defects that potentially could result in failures
 - [3] Messages for improving maintainability, portability, and readability
 - [4] Messages for improving performance
 - [5] Messages indicating impact of changes in type handling due to porting

Analysis result

Analysis Run 1

Total No. of Findings	42
Requires correction	0
No Problems	42

[illegible]

tool_name	name	line	path	probability	severity	tool_specific_rank	textoutput	Results	Countermeasure
C++test	MISRA2012-RULE-17.3	90	/GX-Force_Sensor/cg_src/r_cg_camp.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	117	/GX-Force_Sensor/cg_src/r_cg_camp.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	61	/GX-Force_Sensor/cg_src/r_cg_it_user.c	1	2	2	Prototype of function '_EI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	60	/GX-Force_Sensor/cg_src/r_cg_lvi_user.c	1	2	2	Prototype of function '_EI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	319	/GX-Force_Sensor/cg_src/r_cg_pga_dsad.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	61	/GX-Force_Sensor/cg_src/r_cg_pga_dsad_user.c	1	2	2	Prototype of function '_EI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	64	/GX-Force_Sensor/cg_src/r_cg_sau.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	65	/GX-Force_Sensor/cg_src/r_cg_sau.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	66	/GX-Force_Sensor/cg_src/r_cg_sau.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	67	/GX-Force_Sensor/cg_src/r_cg_sau.c	1	2	2	Prototype of function '_nop' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	85	/GX-Force_Sensor/cg_src/r_cg_systeminit.c	1	2	2	Prototype of function '_DI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	81	/GX-Force_Sensor/prog/main.c	1	2	2	Prototype of function '_EI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	365	/GX-Force_Sensor/prog/ram_chk.c	1	2	2	Prototype of function '_DI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib
C++test	MISRA2012-RULE-17.3	374	/GX-Force_Sensor/prog/ram_chk.c	1	2	2	Prototype of function '_EI' does not precede function call	No Problems	No prob; Part of microcomputer std. lib