

Model Examiner Model Checks covering MISRA AC TargetLink® Guidelines

No.	Rule	Title	Repair available
1	1.1	Use of block priorities	yes
2	1.2	Comments in block properties	
3	2.3	Restricting identifiers to 31 characters	yes
4	3.2	Definition of calibration constants in Simulink and ...	
5	3.3	Use of calibration constraints	
6	4.2	Permitted data types at the Stateflow chart interface	yes
7	4.4	Avoidance of saturation in integer arithmetic	yes
8	4.5	Avoidance of rounding operations	
9	4.6	use of user-defined min and max values	
10	5.1	Attributes of Look-up table outputs	
11	5.2	Use of the Switch-case block	partial
12	5.3	Use of Data Store Memory block across TargetLink ...	
13	5.4	Use of From and Goto blocks across TargetLink subsystems	
14	5.5	Inports and Outports at the TargetLink subsystem interface	
15	5.6	Use of the Multiport Switch block	
16	5.7	Use of data types for the Multiport Switch block	
17	5.8	Use of the Switch block	
18	5.9	Use of the Fcn block for assigning Boolean variables	
19	5.10	Use of Custom Code block	yes
20	6.1	Power-of-two scaling	yes
21	6.2	Zero Offsets	yes
22	6.3	Use of the Math block sqrt function for fixed-point code ...	
23	6.4	Use of the FIR Filter block for fixed-point code generation	
24	6.5	Use of the Trigonometric function for fixed-point code ...	
25	6.6	Use of custom Lookuptable functions	
26	6.7	Avoiding rescaling of input signals to Lookup tables	
27	7.1	Generating generic code without pragmas	yes
28	7.2	Avoiding target-specific assembly code	yes
29	7.5	Avoiding local macros	
30	7.6	Correct declaration of external variables	
31	7.7	Use of include statements in Custom Code	
32	7.9	Avoiding shift operations on signed data types	