Model Advisor Report – ABS_v1.slx

Model version: 1.18

System: ABS v1 Current run: 26-Mar-2022 16:46:47 Treat as Referenced Model: off **Run Summary** Incomplete Justified Passed Failed Warning Not Run Total **O** 61 193 0 0 14 **118** Model Advisor Identify lookup table blocks that generate expensive out-of-range checking code Not Run Electric Check configuration parameters for generation of inefficient saturation code Not Run ☐ Check for blocks not recommended for C/C++ production code deployment Not Run ☐ Check output types of logic blocks Not Run ☐ Check the hardware implementation Not Run

Simulink version: 10.5

■ Identify questionable software environment specifications Not Run
■ Identify questionable code instrumentation (data I/O) Not Run
■ Identify blocks generating inefficient algorithms Not Run
☐ Check configuration parameters for MISRA C:2012 Not Run
☐ Check for blocks not recommended for MISRA C:2012 Not Run
☐ Check for unsupported block names Not Run
☐ Check usage of Assignment blocks Not Run
☐ Check for switch case expressions without a default case Not Run
☐ Check for missing error ports in AUTOSAR receiver interfaces Not Run
☐ Check configuration parameters for secure coding standards Not Run
☐ Check for blocks not recommended for secure coding standards Not Run

ldentify questionable subsystem settings Not Run
Check for blocks not supported for row-major code generation Not Run
Identify TLC S-Functions with unset array layout Not Run
Identify blocks that generate expensive fixed-point and saturation code Not Run
Check for missing const qualifiers in model functions Not Run
Check bus object names that are used as bus element names Not Run
Identify questionable fixed-point operations Not Run
Identify blocks that generate expensive rounding code Not Run
Check for bitwise operations on signed integers Not Run
Check for recursive function calls Not Run

Check for equality and inequality operations on floating-point values Not Run
Check integer word lengths Not Run
Simulink
☐ Check optimization settings Not Run
Identify unconnected lines, input ports, and output ports Not Run
☐ Check root model Inport block specifications Not Run
El Check diagnostic settings ignored during accelerated model reference simulation Not Run
Check for parameter tunability information ignored for referenced models Not Run
☐ Check for implicit signal resolution Not Run
☐ Check for optimal bus virtuality Not Run
☐ Check for calls to slDataTypeAndScale() Not Run

☐ Check for Discrete-Time Integrator blocks with initial condition uncertainty Not Run
Identify disabled library links Not Run
Identify parameterized library links Not Run
Identify unresolved library links Not Run
Identify configurable subsystem blocks in the model for converting to variant subsystem blocks. Not Run
Check usage of function-call connections Not Run
El Check and update mask image display commands with unnecessary imread() function calls Not Run
Check and update mask to affirm icon drawing commands dependency on mask workspace Not Run
Identify Environment Controller blocks to be replaced with Variant Source blocks Not Run
Runtime diagnostics for S-functions Not Run
Check if Read/Write diagnostics are enabled for Data Store blocks Not Run

Check Data Store Memory blocks for multitasking, strong typing, and shadowing issues Not Run
☐ Check Model History properties Not Run
Check S-functions in the model Not Run
Open the Upgrade Advisor Not Run
Check structure parameter usage with bus signals Not Run
Check for large number of function arguments from virtual bus across model reference boundary Not Run
Check Delay, Unit Delay and Zero-Order Hold blocks for rate transition Not Run
Check bus signals treated as vectors Not Run
Check for potentially delayed function-call block return values Not Run
Identify block output signals with continuous sample time and non-floating point data type Not Run

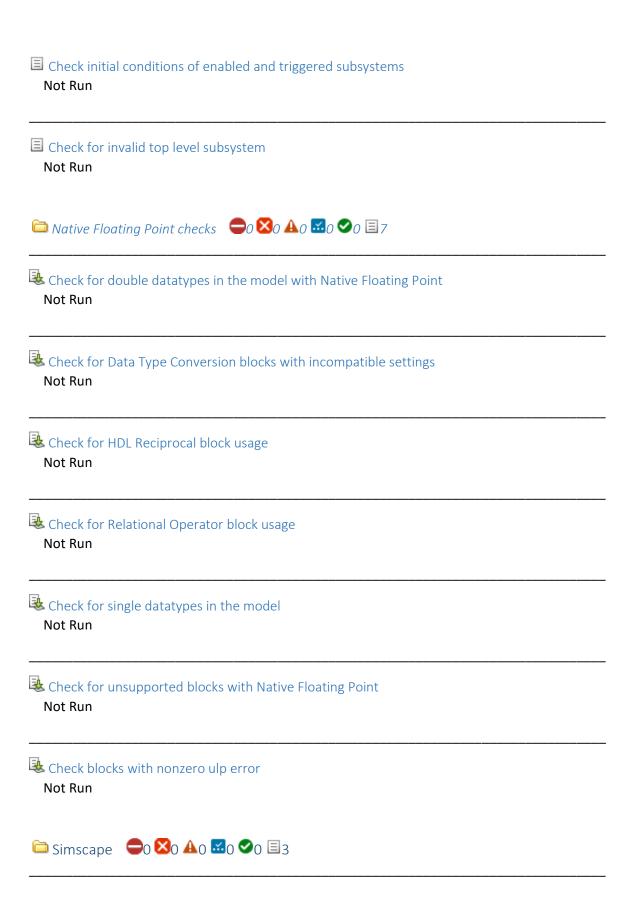
Check usage of Merge blocks Not Run
Check usage of Outport blocks Not Run
Check usage of Discrete-Time Integrator blocks Not Run
Check model settings for migration to simplified initialization mode Not Run
Check for non-continuous signals driving derivative ports Not Run
Check data store block sample times for modeling errors Not Run
Check for potential ordering issues involving data store access Not Run
Identify unit mismatches in the model Not Run
Identify automatic unit conversions in the model Not Run
Identify disallowed unit systems in the model Not Run
Identify undefined units in the model Not Run

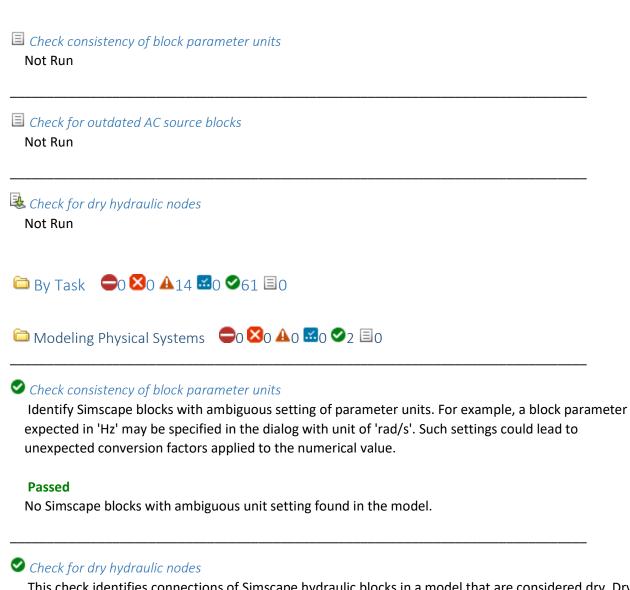
Identify ambiguous units in the model Not Run
Identify questionable operations for strict single-precision design Not Run
☐ Simulink Coder ☐ ○ ○ ○ △ ○ ○ ○ □ 9
Identify blocks using one-based indexing Not Run
☐ Check solver for code generation Not Run
Check for blocks not supported by code generation Not Run
☐ Check for model reference configuration mismatch Not Run
Check code generation identifier formats used for model reference Not Run
Check for relative execution order change for Data Store Read and Data Store Write blocks Not Run
Check reuse of subsystem code Not Run
Check sample times and tasking mode Not Run

□ HDL Coder
lacktriangle Checks for blocks and block settings $lacktriangle$ 0 l
Check for unsupported blocks Not Run
Check for HDL Reciprocal block usage Not Run
Check for MATLAB Function block settings Not Run
Check for obsolete Unit Delay Enabled/Resettable blocks Not Run
Check for infinite and continuous sample time sources Not Run
Check for unsupported storage class for signal objects Not Run
Check for Stateflow chart settings Not Run

Check for large matrix operations Not Run
Check for blocks that have nonzero output latency Not Run
☐ Check architecture name Not Run
Check clock settings Not Run
Check clock, reset, and enable signals Not Run
Check file extension Not Run
Check generics Not Run
Check naming conventions Not Run
□ Check package file names Not Run
☐ Check signal and port names Not Run

☐ Check entity and architecture Not Run
☐ Check module/entity names Not Run
☐ Check top-level subsystem/port names Not Run
\bigcirc Model configuration checks \bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 0 \bigcirc 6
☐ Check delay balancing setting Not Run
☐ Check for global reset setting for Xilinx and Altera devices Not Run
☐ Check inline configurations setting Not Run
☐ Check for model parameters suited for the HDL code generation Not Run
☐ Check for visualization settings Not Run
Check algebraic loops Not Run
$\stackrel{ ext{lin}}{=}$ Checks for ports and subsystems $\begin{array}{c} ext{lin} & ext{lin}$





This check identifies connections of Simscape hydraulic blocks in a model that are considered dry. Dry nodes physically represent a hydraulic segment modeled as an incompressible fluid.

Passed

Check has passed. No dry hydraulic nodes found.



☑ Identify Environment Controller blocks to be replaced with Variant Source blocks

Passed

The model does not contain any Environment Controller blocks.

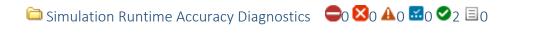
▲ Check for non-continuous signals driving derivative ports

The following non-continuous signals drive derivative ports. Solver needs reset every time when these signal values change to ensure accurate simulation results. If any of these non-continuous signals drive derivative ports is not necessary from modeling perspective, simulation speed can be further improved.

Block	Port	Start Index	Width
ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/Sum1	1	0	1

For unnecessary non-continuous signals drive derivative ports, consider one of the following changes

- Making the signal(s) continuous.
- Replacing the continuous block(s) receiving these signals with discrete state versions of the block(s).



⊘ Runtime diagnostics for S-functions

Passed

⊘ Check if Read/Write diagnostics are enabled for Data Store blocks

Passed

📤 Check Data Store Memory blocks for multitasking, strong typing, and shadowing issues

Duplicate data store names checking is not set to 'error'. Duplicate usage of data store names can lead to unintended shadowing of data stores of higher model scope. Consider changing the Duplicate data store names setting to 'error'.

Check data store block sample times for modeling errors

Passed

Check for potential ordering issues involving data store access

Passed

Check for relative execution order change for Data Store Read and Data Store Write blocks

The system does not have any Data Store Read or Data Store Write blocks.

Check Model History properties

Check models for edited Model History property values

Check that parameters in the Model Properties dialog History pane use the default tags. In the MDL file format you can configure some model properties to make use of source control tool keyword substitution. If you save your model in SLX format, source control tools cannot perform keyword substitution. Any information in the model file from such keyword substitution is cached when you first save the MDL file as SLX, and is never updated again. The Model Properties History pane and any Model Info blocks in your model show stale information from then on.

Passed

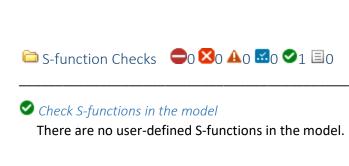
This model uses the default value for property ModifiedByFormat.

Passed

This model uses the default value for property ModifiedDateFormat.

Passed

This model uses the default value for property ModelVersionFormat.





Identify unit mismatches in the model Check for unit mismatches in the model.

Passed

No unit mismatches found.

Identify automatic unit conversions in the model Check for automatic unit conversions.

Passed

No automatic unit conversions found.

Identify disallowed unit systems in the model Check for disallowed unit systems.

Passed

No disallowed unit systems were found.

Identify undefined units in the model
Check for undefined units.

Passed

No undefined units were found.

Identify ambiguous units in the model Check for ambiguous units.

Passed

No ambiguous units were found.

Check for optimal bus virtuality Passed

Check structure parameter usage with bus signals

This test is skipped because it requires an activated Simulink Coder product

A Check bus signals treated as vectors

Bus signal treated as vector

Identify bus signals in the model that are treated as vectors by the Simulink software.

Warning

The model uses bus signals properly. However, the model is not configured to detect future changes that might result in improper bus signal usage.

Recommended Action

To detect these changes, in the Configuration Parameters dialog box, set the Bus signal treated as **vector** diagnostic to error.

Buses - Bus signal treated as vector



⚠ Check optimization settings

Check optimization settings

Warning

The model configuration parameters are not set to the recommended values specified in the data file.

Status	Parameter	Current Value	Recommended Values
Warning	StateBitsets	off	on
Warning	DataBitsets	off	on

Recommended Action

Follow the links in the result table to modify the model configuration parameters.

Identify blocks using one-based indexing

Check the model for blocks configured for one-based indexing

Passed

All blocks in the model use zero-based indexing.

- Identify questionable software environment specifications

 Passed
- Identify lookup table blocks that generate expensive out-of-range checking code

 Passed
- ✓ Identify questionable code instrumentation (data I/O)

Passed

⊘ Check output types of logic blocks

Identify logic blocks that are outputting non-Boolean data types.

Passed

All logic blocks are being used appropriately.

Check configuration parameters for generation of inefficient saturation code
Passed

Identify blocks that generate expensive rounding code Check for expensive rounding operations in multiplication and division	
Passed	
Check Optimization and Hardware Implementation settings (Lookup Blocks)	
Passed	
Check for expensive rounding in a data type conversion	
Passed	
Check for expensive rounding modes in the model	
Passed	
Identify questionable fixed-point operations Check for multiword operations	
Passed	
Check for expensive multiplication code	
Passed	
Check for expensive division code	
Passed	
Identify lookup blocks with uneven breakpoint spacing	
Warning Configuration parameter 'Default parameter behavior' is set to 'Tunable'. For open code set the parameter to 'Inlined'.	ptimized fixed

Passed Check for a propriet data true conversions	
Check for amorphic data time conversions	
Check for expensive data type conversions	
Passed	
Check for fixed-point comparisons with predetermined results	
Passed	
Check for expensive binary comparison operations	
Passed	
Check for expensive fixed-point types	
Passed	
Identify blocks that generate expensive fixed-point and saturation code Identify Sum blocks for questionable fixed-point operations	
Passed	
Identify Relational Operation blocks for questionable fixed-point operat	ions
Passed	
Identify Data Type Conversion Inherited blocks for questionable fixed-po	oint operations

Identify Switch blocks for questionable fixed-point operations
Passed
Identify Logic blocks for questionable fixed-point operations
Passed
Identify Saturate blocks for questionable fixed-point operations
Passed
Identify Min Max blocks for questionable fixed-point operations
Passed
Identify Discrete Integrator blocks for questionable fixed-point operations
Passed
Identify Compare To Constant blocks for questionable fixed-point operations
Passed
T dissect
Identify Lookup Table blocks for questionable fixed-point operations
Passed

Identify blocks that will invoke net slope computation	
Passed	
Identify Product blocks that are less efficient	
Passed	
Check for expensive saturation code	
Passed	
	_
Identify blocks generating inefficient algorithms Passed	
No inefficient algorithms found in the model.	
Deliang Single-Precision Systems Deliang Systems Deliang Single-Precision Systems	
Identify questionable operations for strict single-precision design Check model settings related to single-precision design	_
This check verifies the status of model settings that will help you achieve a strict single-precise design.	sion
Warning	

The following model settings are non-optimal to a single-precision design:

Model Name	Configuration Parameter	Current Value	Recommended Value
ABS_v1	Default for underspecified data type	double	single

	Check
for double precision operations	

This check identifies blocks that introduce double-precision operations. For each block that the check identifies, make sure that its port data types and intermediate settings are set correctly.

Warning

The following blocks use double-precision floating-point operations:

- ABS_v1/ABS control System/relative slip calculator/Constant
- ABS_v1/ABS control System/angular vehicle speed
- ABS_v1/ABS control System/relative slip calculator/Divide
- ABS_v1/ABS control System/relative slip calculator/Sum1
- ABS_v1/ABS control System/Relative Slip
- ABS_v1/Wheel slip
- ABS_v1/stopping distance
- ABS_v1/vehicle speed
- ABS_v1/wheel speed
- ABS_v1/ABS control System/Stop Simulation
- ABS_v1/ABS control System/normal force
- ABS_v1/ABS control System/mu-slip lookup table

ABS_v1/ABS control System/relative slip calculator/Sum1

- ABS v1/ABS control System/mu-slip lookup table
- ABS_v1/ABS control System/wheel radius
- ABS_v1/ABS control System/Gain
- ABS_v1/ABS control System/Sum
- ABS_v1/ABS control System/wheel speed calculator/force and torque
- ABS_v1/ABS control System/wheel speed calculator/Sum1
- ABS_v1/ABS control System/wheel speed calculator/Gain
- ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/Sum1
- ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/Data Type Conversion
- ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/Data Type Conversion1
- ABS_v1/ABS control System/wheel speed calculator/Integrator Limited
- ABS_v1/ABS control System/ang vehicle speed
- ABS_v1/ABS control System/stopping distance
- ABS v1/ABS control System/wheel speed calculator/braking pressure
- ABS_v1/ABS control System/wheel speed calculator/hydraulic lag
- ABS_v1/Step
- ABS v1/ABS control System/wheel speed calculator/bang-bang controller/GreaterThan

ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/Less Than

- ABS v1/ABS control System/wheel speed calculator/bang-bang controller/Constant
- ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/GreaterThan
- ABS_v1/ABS control System/wheel speed calculator/bang-bang controller/Less Than

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6	□ Migrating to Simplified Initialization mode
•	Check usage of Merge blocks Check usage of Merge blocks
	This check finds and reports issues related to merge blocks for migrating to simplified initializatio mode.
	See Also
,	Check usage of Merge blocks
,	Underspecified initialization detection
	Passed
•	Check usage of Outport blocks Check usage of Outport blocks
	This check finds and reports issues related to Outport blocks and Conditional Subsystems for migrating to simplified initialization mode.
	See Also
•	Check usage of Outport blocks
•	Underspecified initialization detection
	Passed

⊘ Check usage of Discrete-Time Integrator blocks

Check usage of Discrete-Time Integrator blocks

This check finds and reports issues related to Discrete-Time Integrator blocks for migrating to simplified initialization mode

See Also

- Check usage of Discrete-Time Integrator blocks
- Underspecified initialization detection

Passed



Check for model level messages

This check finds and reports model level messages for migrating to simplified initialization mode.

See Also

- Check model settings for migration to simplified initialization mode
- Underspecified initialization detection

Passed

Identify blocks generating inefficient algorithms **Passed** No inefficient algorithms found in the model. A Check for blocks not supported for row-major code generation Identify blocks not supported by row-major code generation. Warning The following blocks do not support row-major code generation: ABS_v1/ABS control System/ang vehicle speed ABS v1/ABS control System/stopping distance ABS v1/ABS control System/wheel speed calculator/Integrator Limited ABS_v1/ABS control System/wheel speed calculator/braking pressure ABS_v1/ABS control System/wheel speed calculator/hydraulic lag Identify TLC S-Functions with unset array layout List all S-Functions which have SSArrayLayout set to SS_UNSET. These S-Functions can have numerical implications in the generated code. **Passed** No TLC S-Functions found with SSArrayLayout set to SS_UNSET. ☐ Model Referencing ☐0 🔀0 🗚1 🚾0 🤡 7 🗏 0 Check for model reference configuration mismatch

Passed

⊘ Check diagnostic settings ignored during accelerated model reference simulation The configuration parameter settings passed the check.

Check code generation identifier formats used for model reference The configuration parameter settings passed the check.
Check for parameter tunability information ignored for referenced models
Passed
Check for implicit signal resolution
Passed
A Check bus signals treated as vectors Bus signal treated as vector Identify bus signals in the model that are treated as vectors by the Simulink software.
Warning The model uses bus signals properly. However, the model is not configured to detect future change that might result in improper bus signal usage.
Recommended Action To detect these changes, in the Configuration Parameters dialog box, set the Bus signal treated a vector diagnostic to error. Buses - Bus signal treated as vector
Check root model Inport block specifications Passed
Check for large number of function arguments from virtual bus across model reference boundary No referenced models found.
Managing Library Links And Variants □ Managing Library Links And Variants
✓ Identify disabled library links Passed

Ident Passed	ify unresolved library links
	ify configurable subsystem blocks in the model for converting to variant subsystem blocks. Ify and upgrade Configurable Subsystem blocks in the model or subsystem level.
Passe No co	d nfigurable subsystem blocks found.
🗀 Data	Transfer Efficiency
? Checl	Delay, Unit Delay and Zero-Order Hold blocks for rate transition
Passe The m	d odel does not contain Delay, Unit Delay or Zero-Order Hold blocks that perform rate transit
□ Mod	leling Standards for MISRA C:2012
	c configuration parameters for MISRA C:2012 Intify configuration parameters that might impact MISRA C:2012 compliant code generation.

Warning

The model configuration parameters are not set to the recommended values specified in the data file.

Statu s	Parameter	Current Value	Recommended Values	Prerequisites
Warni ng	Model Verification block enabling (AssertControl)	UseLocalSet tings	DisableAll	
D - Warni ng	UtilityFuncGeneration	Auto	Shared location	
Warni ng	GenerateSharedConstants	Prerequisite constraint not met.	off	UtilityFuncGen eration
D - Warni ng	SystemTargetFile	Non-ERT based target	ERT based target	
Warni ng	SupportContinuousTime	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	SupportNonInlinedSFcns	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	MatFileLogging	on	off	
Warni ng	ParenthesesLevel	Prerequisite constraint not met.	Standards, Maximum	SystemTargetFil e
Warni ng	CastingMode	Prerequisite constraint not met.	Standards	SystemTargetFil e
Warni ng	InternalIdentifier	Prerequisite constraint not met.	Shortened	SystemTargetFil e
Warni ng	Use division for fixed-point net slope computation (UseDivisionForNetSlopeComputation)	off	on, UseDivisionForReciprocalsOfI ntegersOnly	

Warni ng	EnableSignedLeftShifts	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	EnableSignedRightShifts	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	Inf or NaN block output (SignalInfNanChecking)	none	warning	
Warni ng	Dynamic memory allocation in MATLAB functions (MATLABDynamicMemAllo c)	on	off	
Warni ng	Undirected event broadcasts (SFUndirectedBroadcastEve ntsDiag)	warning	error	
Warni ng	Compile-time recursion limit for MATLAB functions (CompileTimeRecursionLimi t)	50	0	
Warni ng	Enable run-time recursion for MATLAB functions (EnableRuntimeRecursion)	on	off	
Warni ng	MATLABFcnDesc	Prerequisite constraint not met.	on	GenerateComm ents, SystemTargetFil e
Warni ng	InstructionSetExtensions	SSE2	None	

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Recommended Action

Modify the configuration parameters listed above to the recommended values.
✓ Check for blocks not recommended for C/C++ production code deployment Passed
✓ Check for blocks not recommended for MISRA C:2012 Passed
 ✓ Check for unsupported block names Passed
✓ Check usage of Assignment blocksPassed
 Check for switch case expressions without a default case Identify switch case expressions that do not have a default case. Passed All switch case expressions have default cases.
Check for missing error ports in AUTOSAR receiver interfaces Identify AUTOSAR receiver interface ports that do not have a matching error port.
Passed Model is not configured as an AUTOSAR target.
Check for bitwise operations on signed integers Identify bitwise operations on signed integers.
Passed No bitwise operations on signed integers found.

Ø	Check for	recursive	function	calls
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Identify function calls that are recursive.

Passed

No recursive function calls found.

⚠ Check for equality and inequality operations on floating-point values

Identify equality and inequality operations on floating-point values.

Warning

The following model objects have equality or inequality operations on floating-point values.

Location

ABS v1/ABS control System/Stop Simulation

Recommended Action

Consider using non-floating-point values for equality or inequality operations.

⊘ Check for missing const qualifiers in model functions

Identify missing const qualifiers in model functions.

Passed

Model does not use customized model functions.

Check integer word lengths

Identify integer word length that are not compliant with hardware implementation settings.

Passed

All used integer word length are compliant with hardware implementation settings.



• Check bus object names that are used as bus element names

Identify bus object names that are used as bus element names.

Passed

No bus object names are used as bus element names.















A Check configuration parameters for secure coding standards

Identify configuration parameters that might impact secure coding standards compliant code generation.

Warning

The model configuration parameters are not set to the recommended values specified in the data file.

Status	Parameter	Current Value	Recommende d Values	Prerequisites
Warnin	Model Verification block enabling (AssertControl)	UseLocalSetting s	DisableAll	
D - Warnin g	SystemTargetFile	Non-ERT based target	ERT based target	
Warnin	SupportContinuousTime	Prerequisite constraint not met.	off	SystemTargetFile

Warnin	SupportNonInlinedSFcns	Prerequisite constraint not met.	off	SystemTargetFile
Warnin	MatFileLogging	on	off	
Warnin	EnableSignedLeftShifts	Prerequisite constraint not met.	off	SystemTargetFile
Warnin	EnableSignedRightShifts	Prerequisite constraint not met.	off	SystemTargetFile
Warnin	Inf or NaN block output (SignalInfNanChecking)	none	warning	
Warnin	Dynamic memory allocation in MATLAB functions (MATLABDynamicMemAlloc)	on	off	
Warnin	Undirected event broadcasts (SFUndirectedBroadcastEventsDiag)	warning	error	
Warnin	Compile-time recursion limit for MATLAB functions (CompileTimeRecursionLimit)	50	0	
Warnin	Enable run-time recursion for MATLAB functions (EnableRuntimeRecursion)	on	off	
Warnin	MATLABFcnDesc	Prerequisite constraint not met.	on	GenerateComment s, SystemTargetFile

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Recommended Action

Modify the configuration parameters listed above to the recommended values.	
 ✓ Check for blocks not recommended for C/C++ production code deployment Passed 	
Check for blocks not recommended for secure coding standardsPassed	
✓ Check usage of Assignment blocksPassed	
 Check for switch case expressions without a default case Identify switch case expressions that do not have a default case. Passed All switch case expressions have default cases. 	
 ✓ Check for bitwise operations on signed integers Identify bitwise operations on signed integers. 	
Passed No bitwise operations on signed integers found.	
⚠ Check for equality and inequality operations on floating-point values Identify equality and inequality operations on floating-point values.	

Warning

The following model objects have equality or inequality operations on floating-point values.

Location	
ABS v1/ABS control System/St	op Simulati

Recommended Action

Consider using non-floating-point values for equality or inequality operations.

⊘ Check integer word lengths

Identify integer word length that are not compliant with hardware implementation settings.

Passed

All used integer word length are compliant with hardware implementation settings.





△ Check configuration parameters for MISRA C:2012

Identify configuration parameters that might impact MISRA C:2012 compliant code generation.

Warning

The model configuration parameters are not set to the recommended values specified in the data file.

	Parameter	Current	Recommended Values	Prerequisites
Statu		Value		
s				

	Model Verification block		DisableAll	
Warni ng	enabling (AssertControl)	UseLocalSet tings		
D - Warni ng	UtilityFuncGeneration	Auto	Shared location	
Warni ng	GenerateSharedConstants	Prerequisite constraint not met.	off	UtilityFuncGen eration
D - Warni ng	SystemTargetFile	Non-ERT based target	ERT based target	
Warni ng	SupportContinuousTime	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	SupportNonInlinedSFcns	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	MatFileLogging	on	off	
Warni ng	ParenthesesLevel	Prerequisite constraint not met.	Standards, Maximum	SystemTargetFil e
Warni ng	CastingMode	Prerequisite constraint not met.	Standards	SystemTargetFil e
Warni ng	InternalIdentifier	Prerequisite constraint not met.	Shortened	SystemTargetFil e
Warni ng	Use division for fixed-point net slope computation (UseDivisionForNetSlopeComputation)	off	on, UseDivisionForReciprocalsOfl ntegersOnly	
Warni ng	EnableSignedLeftShifts	Prerequisite constraint not met.	off	SystemTargetFil e

Warni ng	EnableSignedRightShifts	Prerequisite constraint not met.	off	SystemTargetFil e
Warni ng	Inf or NaN block output (SignalInfNanChecking)	none	warning	
Warni ng	Dynamic memory allocation in MATLAB functions (MATLABDynamicMemAllo c)	on	off	
Warni ng	Undirected event broadcasts (SFUndirectedBroadcastEve ntsDiag)	warning	error	
Warni ng	Compile-time recursion limit for MATLAB functions (CompileTimeRecursionLimi t)	50	0	
Warni ng	Enable run-time recursion for MATLAB functions (EnableRuntimeRecursion)	on	off	
Warni ng	MATLABFcnDesc	Prerequisite constraint not met.	on	GenerateComm ents, SystemTargetFil e
Warni ng	InstructionSetExtensions	SSE2	None	

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Recommended Action

Modify the configuration parameters listed above to the recommended values.







⚠ Open the Upgrade Advisor

Warning

To check for upgrade issues, open the Upgrade Advisor.

Recommended Action

Click the link below to close the Model Advisor and open the Upgrade Advisor for ABS_v1. Open the Upgrade Advisor