Simulink version: 10.3   **Model version: 1.18**
System: Eas_Integrated/Eas_Subsystem   **Current run: 24-Jul-2022 14:38:57**
Treat as Referenced Model: off

Run Summary

Pass	Fail	Warning	Not Run	Total
✅ 13	⛔ 0	⚠ 0	📋 0	13

⊟ Modeling Standards for MISRA C:2012

✅ **Check configuration parameters for MISRA C:2012**

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

Passed
All constraints on model configuration parameters have been met.

Status	Parameter	Current Value	Recommended Values	Prerequisites
Pass	Model Verification block enabling (AssertControl)	DisableAll	DisableAll	
D - Pass	Shared code placement (UtilityFuncGeneration)	Shared location	Shared location	
Pass	Generate shared constants (GenerateSharedConstants)	off	off	UtilityFuncGeneration
D - Pass	System target file (SystemTargetFile)	ERT based target	ERT based target	
Pass	continuous time (SupportContinuousTime)	off	off	SystemTargetFile
Pass	Support non-inlined S-functions (SupportNonInlinedSFcns)	off	off	SystemTargetFile
Pass	MAT-file logging (MatFileLogging)	off	off	
Pass	Code replacement library (CodeReplacementLibrary)	None	None, AUTOSAR 4.0	
Pass	Parentheses level (ParenthesesLevel)	Maximum	Maximum	SystemTargetFile
Pass	Casting modes (CastingMode)	Standards	Standards	SystemTargetFile
Pass	System-generated identifiers (InternalIdentifier)	Shortened	Shortened	SystemTargetFile
Pass	Signed integer division rounds to (ProdIntDivRoundTo)	Zero	Zero, Floor	
Pass	Use division for fixed-point net slope computation (UseDivisionForNetSlopeComputation)	on	on, UseDivisionForReciprocalsOfIntegersOnly	
Pass	Replace multiplications by powers of two with signed bitwise shifts (EnableSignedLeftShifts)	off	off	SystemTargetFile
Pass	Allow right shifts on signed integers (EnableSignedRightShifts)	off	off	SystemTargetFile
Pass	Wrap on overflow (IntegerOverflowMsg)	error	warning, error	
Pass	Inf or NaN block output (SignalInfNanChecking)	warning	warning	
Pass	Dynamic memory allocation in MATLAB functions (MATLABDynamicMemAlloc)	off	off	
Pass	External mode (ExtMode)	off	off	
Pass	Undirected event broadcasts (SFUndirectedBroadcastEventsDiag)	error	error	
Pass	Compile-time recursion limit for	0	0	

	MATLAB functions (CompileTimeRecursionLimit)			
Pass	Enable run-time recursion for MATLAB functions (EnableRuntimeRecursion)	off	off	
D - Pass	Include comments (GenerateComments)	on	on	
Pass	MATLAB user comments (MATLABFcnDesc)	on	on	GenerateComments, SystemTargetFile

∧ **Less**

✅ Check for blocks not recommended for C/C++ production code deployment

Identify blocks not supported by code generation or not recommended for C/C++ production code deployment.

Passed
Blocks not recommended for C/C++ production code deployment were not found in the model or subsystem.

✅ Check for blocks not recommended for MISRA C:2012

Identify blocks that are not recommended for MISRA C:2012 compliant code generation.

Passed
None of the blocks are defined as "not recommended" for MISRA C:2012 compliant code generation.

✅ Check for unsupported block names

Identify block names containing "/".

Passed
No unsupported block names found.

✅ Check usage of Assignment blocks

Identify Assignment blocks with possibly incomplete array initialization that do not have the simulation run-time diagnostic **Action if any output element is not assigned** set to:

- Warning, if Assignment block is in an iterator subsystem
- Error, if Assignment block is not in an iterator subsystem

Passed
All Assignment blocks are configured with block parameter **Action if any output element is not assigned** set to Warning or Error.

✅ 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
NOTE: This check can only be run from root level of a model.

Identify bitwise operations on signed integers.

Passed
No bitwise operations on signed integers found.

✅ Check for recursive function calls
NOTE: This check can only be run from root level of a model.

Identify function calls that are recursive.

Passed
No recursive function calls found.

✅ Check for equality and inequality operations on floating-point values
NOTE: This check can only be run from root level of a model.

Identify equality and inequality operations on floating-point values.

Passed
No equality or inequality operations on floating-point values found.

✅ 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
NOTE: This check can only be run from root level of a model.

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.