

Report Generated by Test Manager

Title: STM_UintndTrqMon MIL Test Report

Author:



























Date: 20-Dec-2021 15:12:37

Test Environment

Platform: PCWIN64

MATLAB: (R2020a)

Summary

Name	Outcome	Duration (Seconds)
 UintndTrqMon	12 	56.464
 EI09_SWUT_MIL_UintndTrqMon_01		2.731
 EI09_SWUT_MIL_UintndTrqMon_02		3.405
 EI09_SWUT_MIL_UintndTrqMon_03		3.312
 EI09_SWUT_MIL_UintndTrqMon_04		3.377
 EI09_SWUT_MIL_UintndTrqMon_05		3.208
 EI09_SWUT_MIL_UintndTrqMon_06		3.24
 EI09_SWUT_MIL_UintndTrqMon_07		3.289
 EI09_SWUT_MIL_UintndTrqMon_08		3.355
 EI09_SWUT_MIL_UintndTrqMon_09		3.472
 EI09_SWUT_MIL_UintndTrqMon_10		3.192
 EI09_SWUT_MIL_UintndTrqMon_11		3.472
 EI09_SWUT_MIL_UintndTrqMon_12		3.267

UintndTrqMon


Test Result Information

Result Type: Test Suite Result
Parent: None
Start Time: 2021-12-20 15:10:31
End Time: 2021-12-20 15:11:28
Outcome: Total: 12, Passed: 12

Test Suite Information

Name: UintndTrqMon

Aggregated Coverage Results

Analyzed Model	Sim Model	Complexity	Decision	Condition	MCDC	Execution
 SWC STM/SWC STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon	Normal	2	100%	100%	100%	100%

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EI09_SWUT_MIL_UintndTrqMon_01

Test Result Information

Result Type: Test Case Result
Parent: [UintndTrqMon](#)
Start Time: 2021-12-20 15:10:31
End Time: 2021-12-20 15:10:34
Outcome: Passed

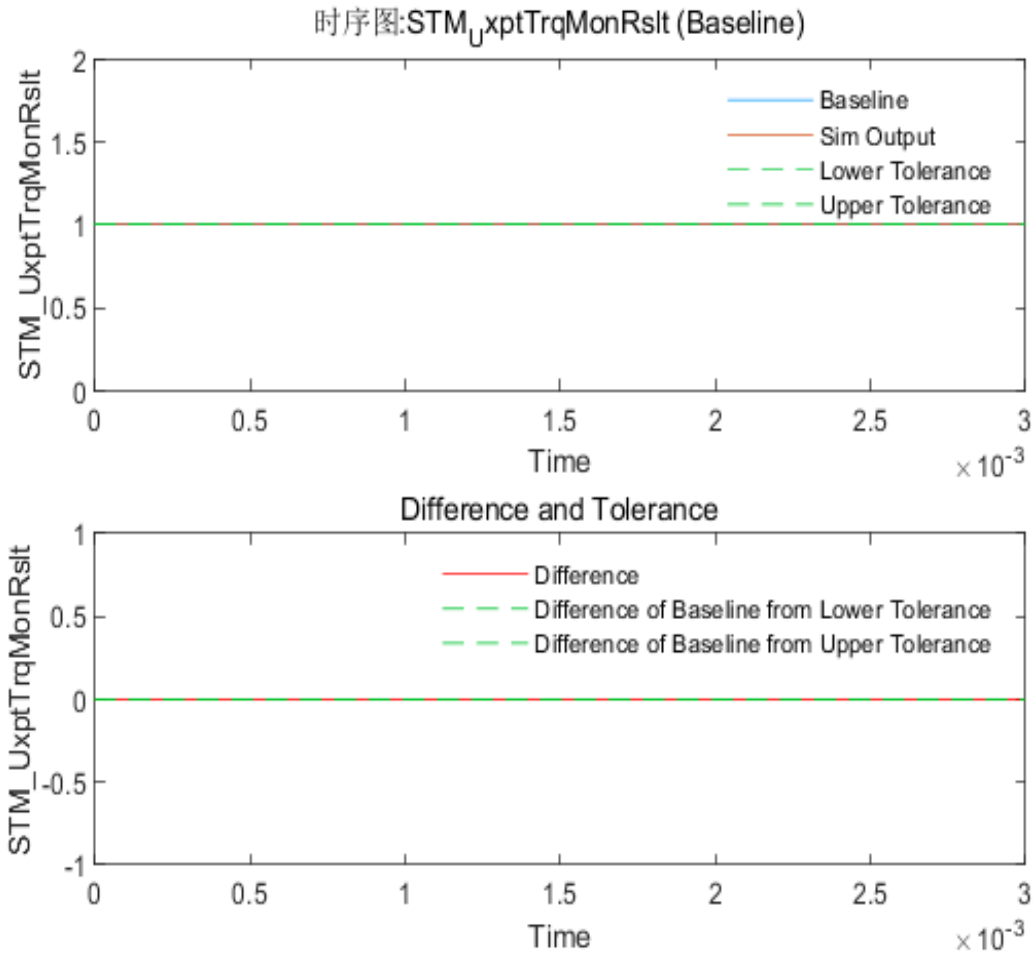
Test Case Information

Name: EI09_SWUT_MIL_UintndTrqMon_01
Type: Baseline Test
Baseline Name: EI09_SWUT_UintndTrqMon_01
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
<div><div></div>STM_UxptTrqMonRslt</div>	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
<div><div></div>STM_UxptTrqMonRslt</div>	0.1	0	0	0	0	boolean			boolean			zoh	union



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EI09_SWUT_UintndTrqMon_01

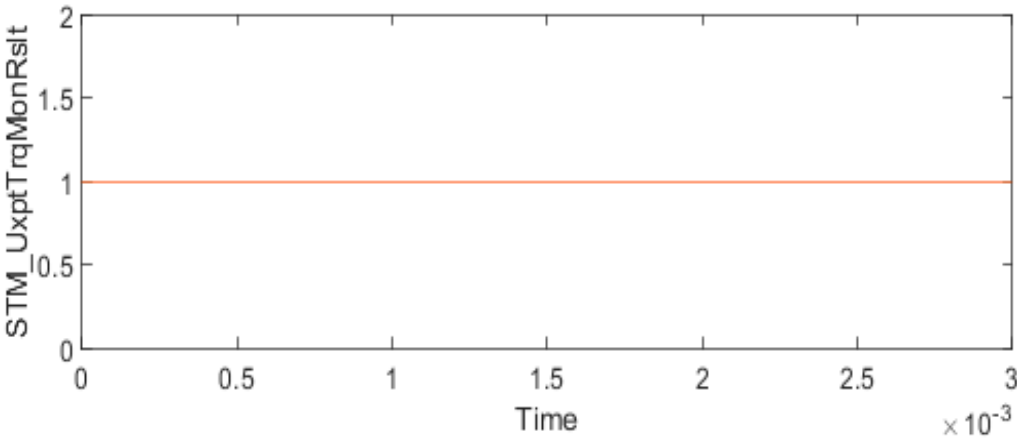
Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_01

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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Input Data

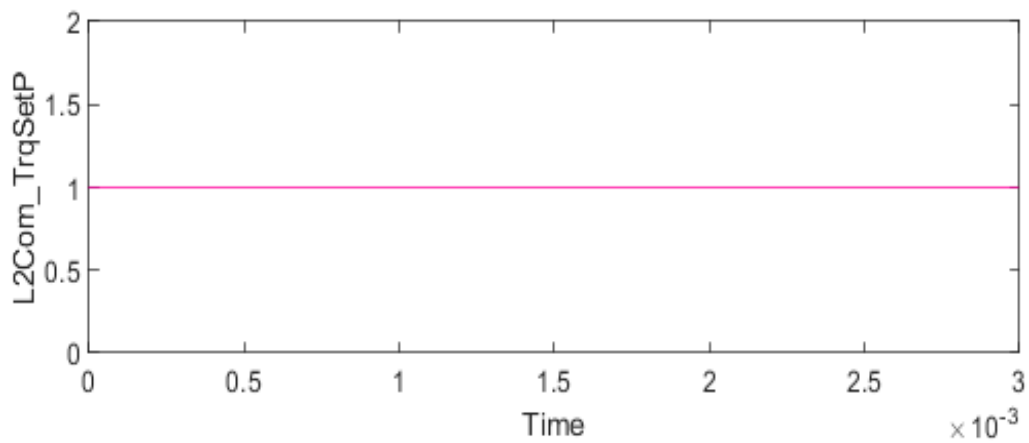
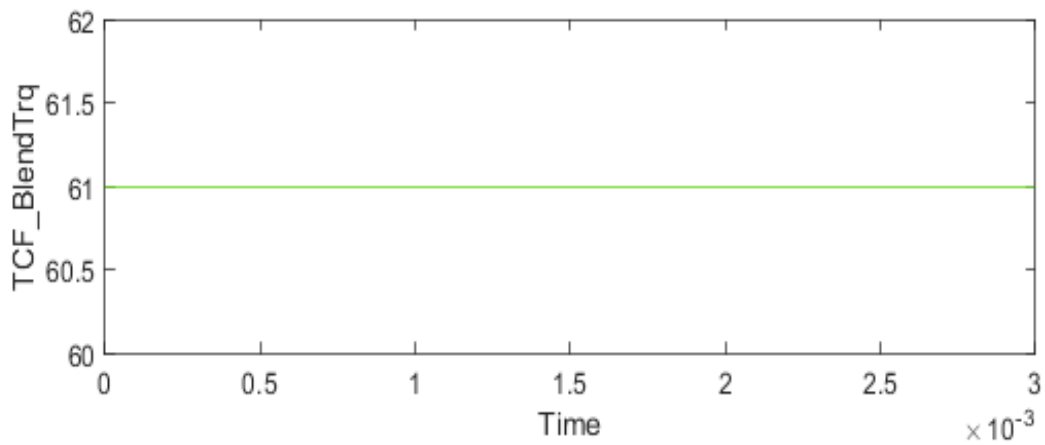
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_01

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

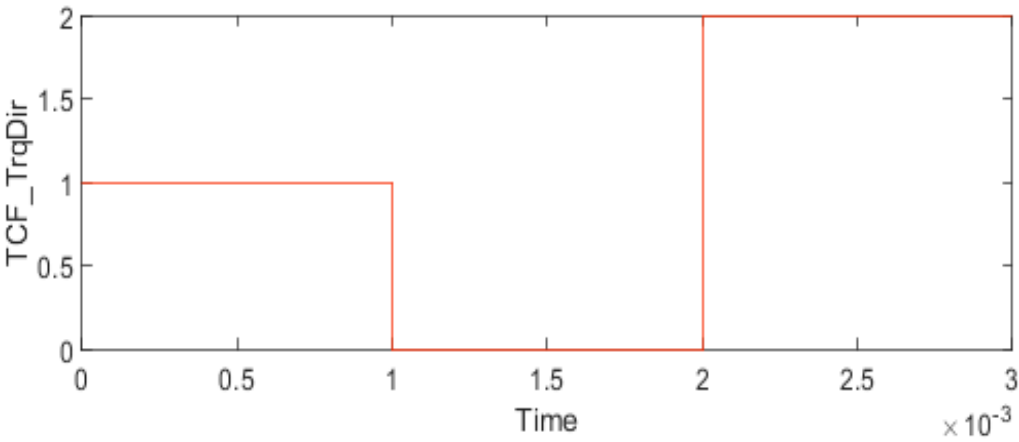
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

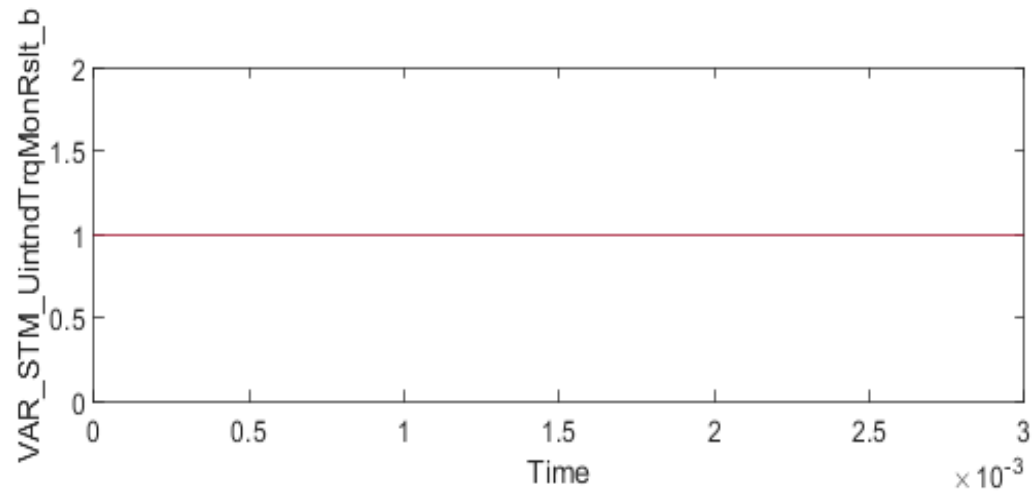
Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon

Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
 Simulation Mode: normal
 Override SIL or PIL Mode: 0
 Configuration Set: Configuration2
 External Input Name: EI09_SWUT_UintndTrqMon_01
 External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
 Start Time: 0
 Stop Time: 0.0030000000000000001
 Checksum: 4259116435 90301075 495915238 4023834302
 Simulink Version: 10.1
 Model Version: 1.1
 Model Author: dongliyuan
 Date: Mon Dec 20 14:47:24 2021
 User ID: dongliyuan
 Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
 Machine Name: MC-ZHANGJUNRENB
 Solver Name: FixedStepDiscrete
 Solver Type: Fixed-Step
 Fixed Step Size: 0.001
 Simulation Start Time: 2021-12-20 15:10:31
 Simulation Stop Time: 2021-12-20 15:10:32
 Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.0030000000000000001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_02

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:10:35
End Time:	2021-12-20 15:10:39
Outcome:	Passed


Test Case Information

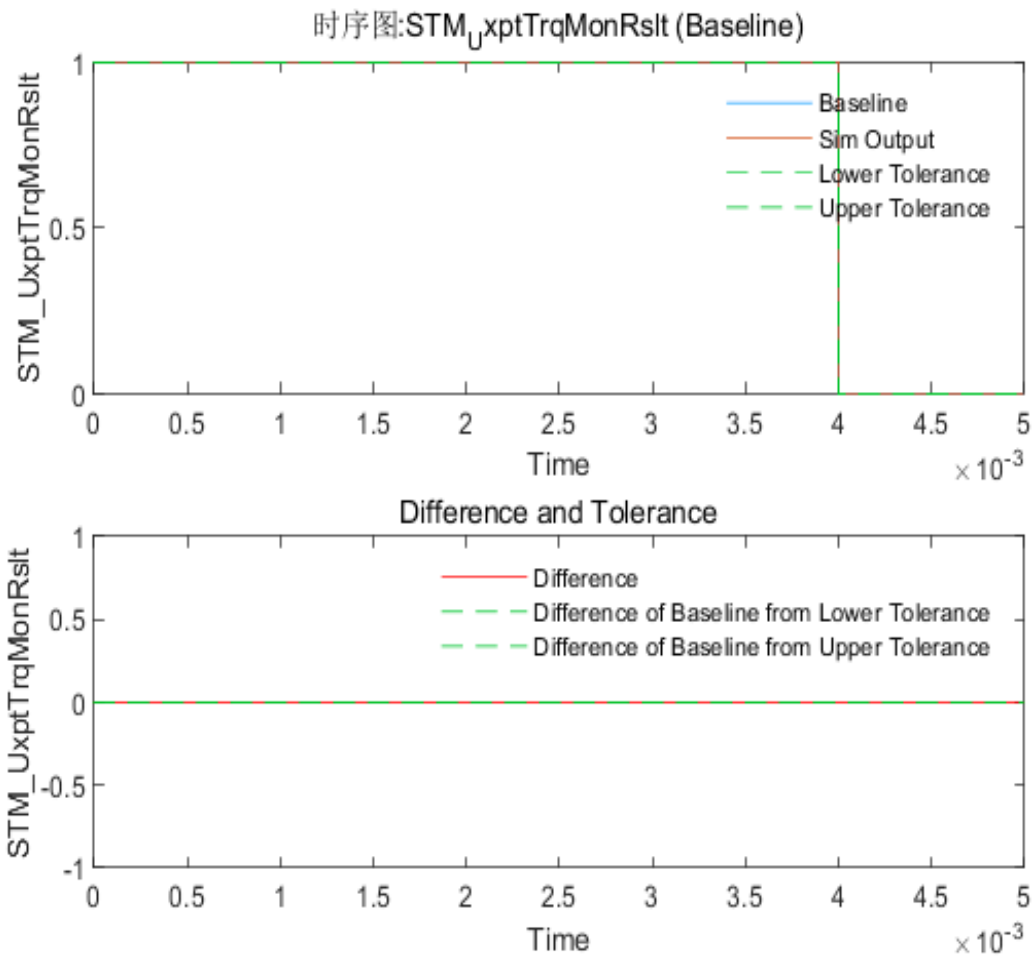
Name:	EI09_SWUT_MIL_UintndTrqMon_02
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_02

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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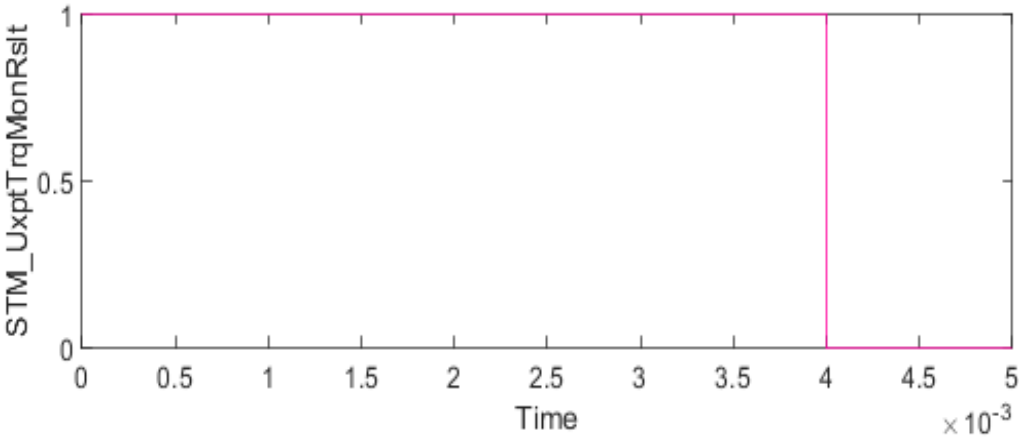
EI09_SWUT_UintndTrqMon_02

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_02
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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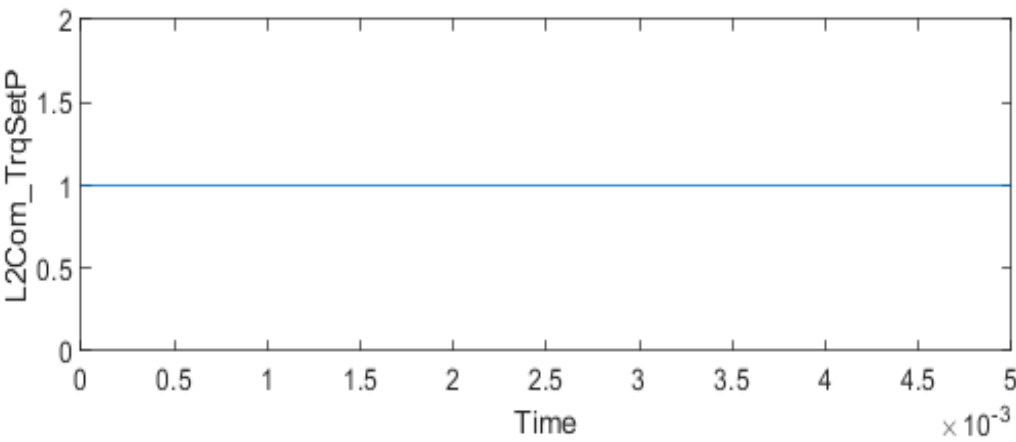
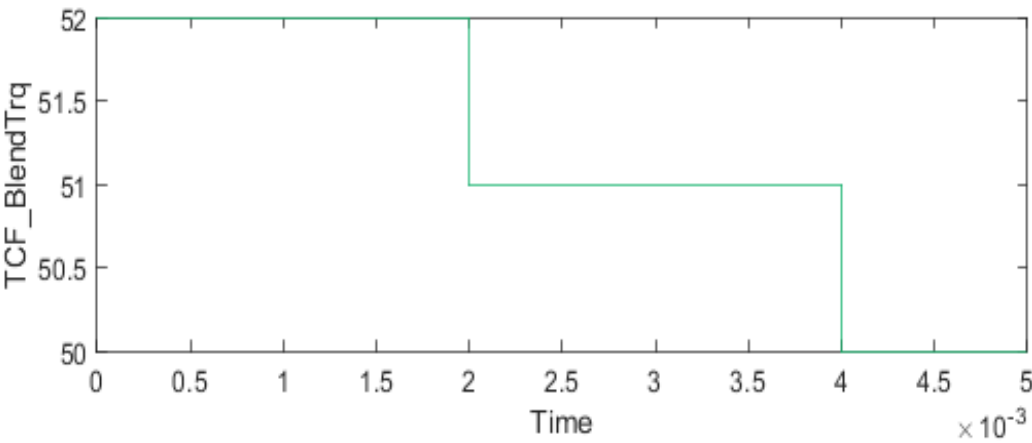
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_02

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

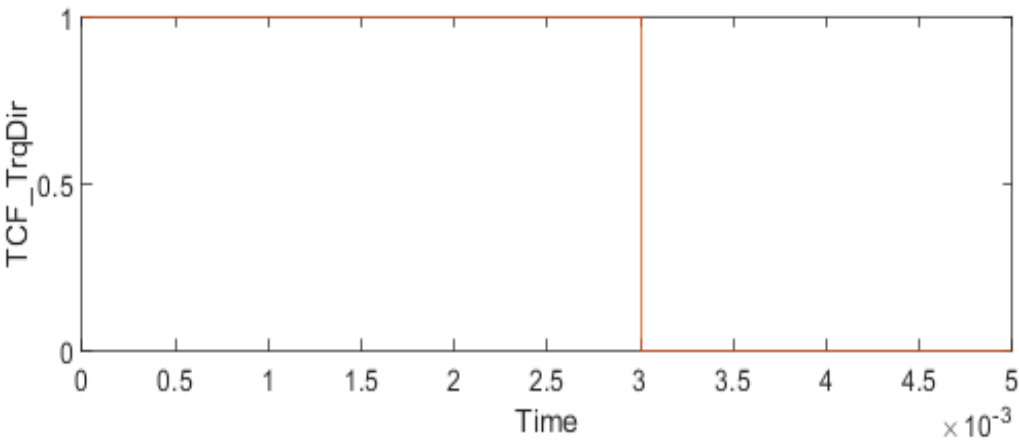
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

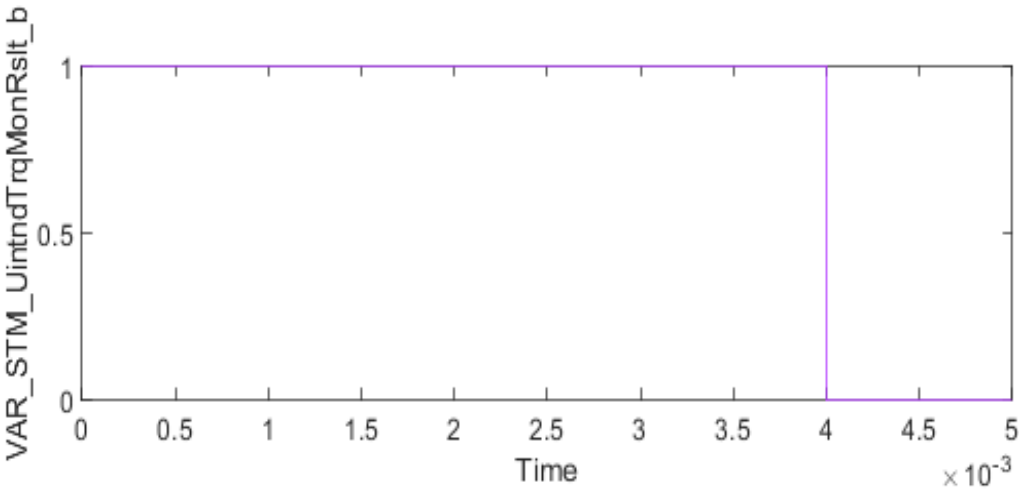
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_02
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.00500000000000000001
Checksum: 2829509640 3644075798 1212699713 2708026921
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:10:35
Simulation Stop Time: 2021-12-20 15:10:37
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRsIt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.0050000000000000001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_03

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:10:40
End Time:	2021-12-20 15:10:44
Outcome:	Passed


Test Case Information

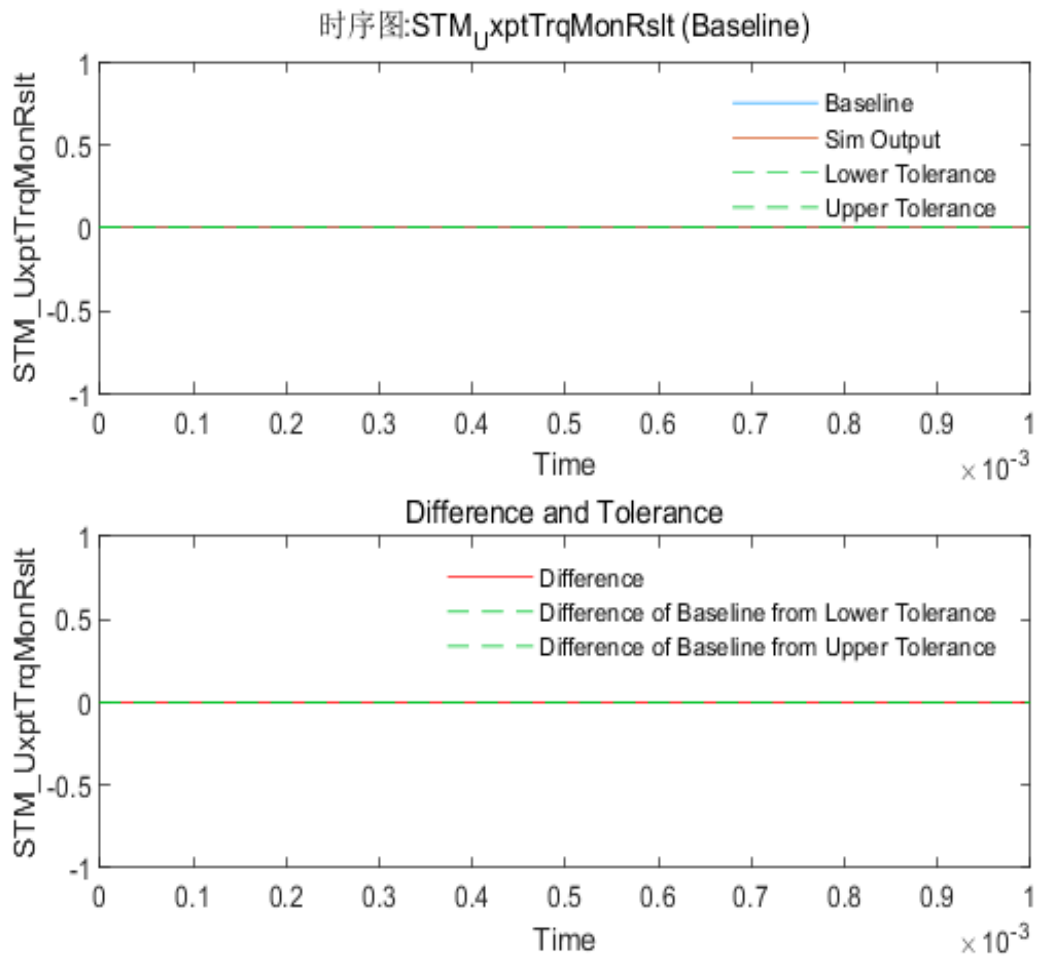
Name:	EI09_SWUT_MIL_UintndTrqMon_03
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_03

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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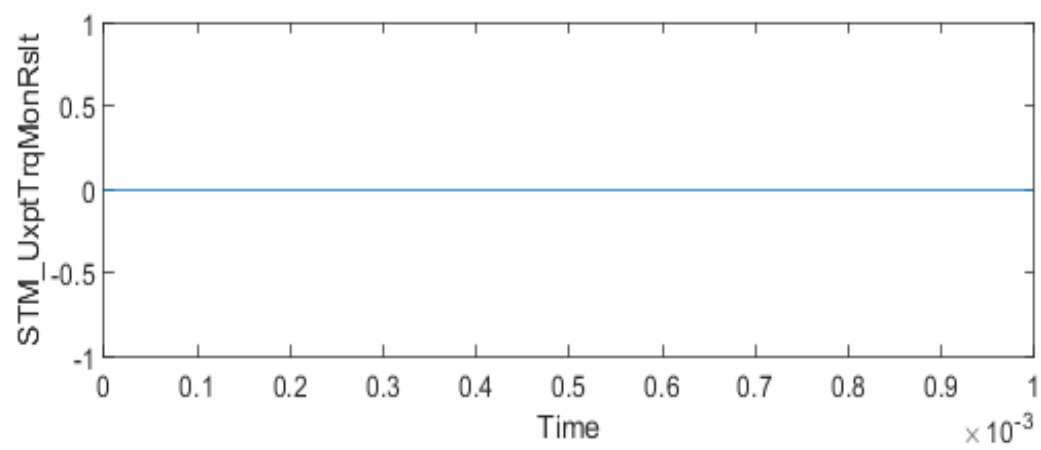
EI09_SWUT_UintndTrqMon_03

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_03
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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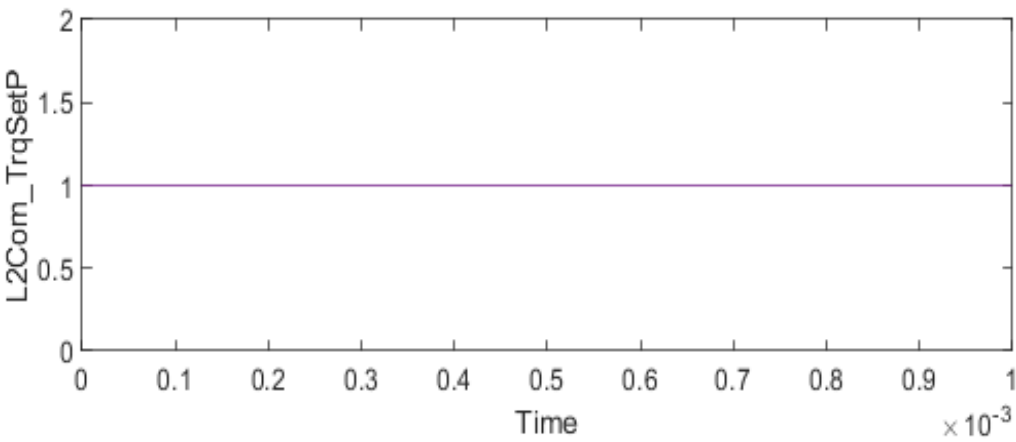
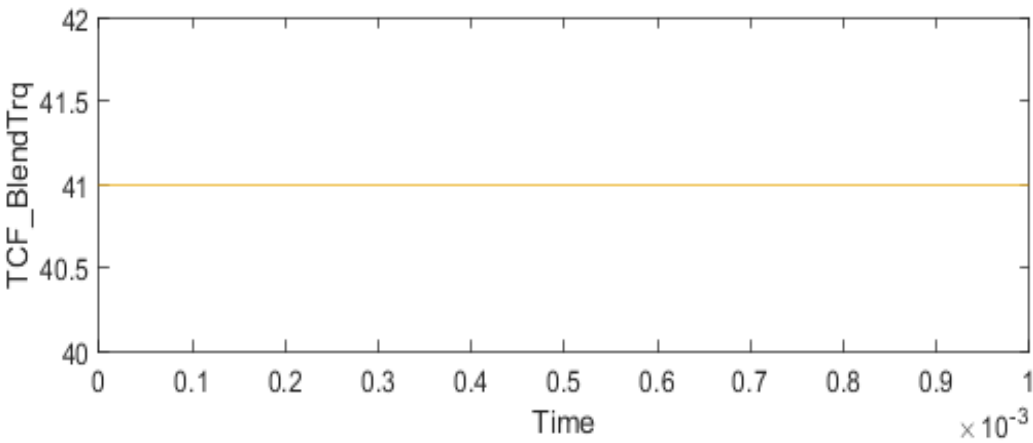
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_03

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

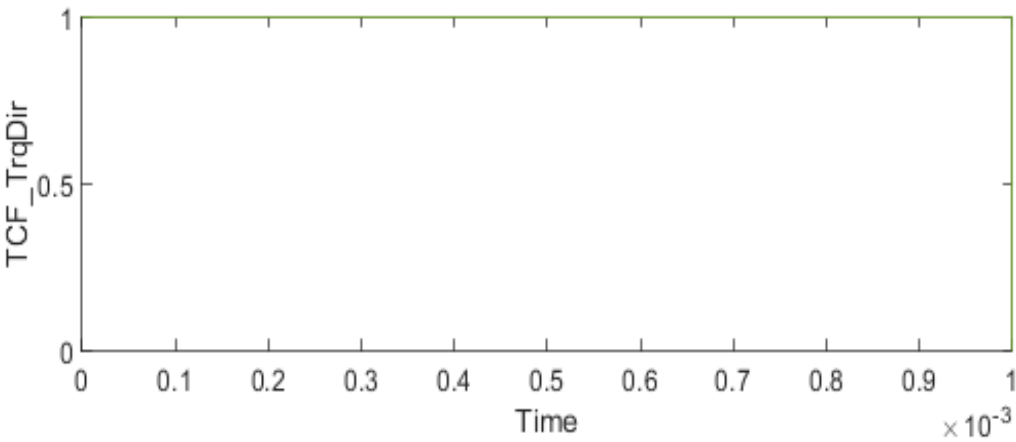
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

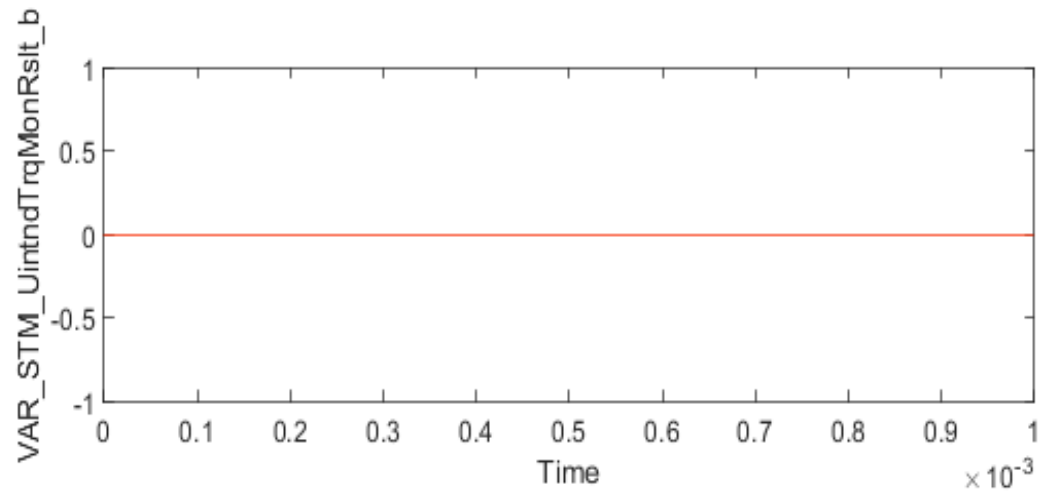
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_03
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.001
Checksum: 4024133775 699010140 823325824 3900202404
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:10:40
Simulation Stop Time: 2021-12-20 15:10:42
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_04

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:10:45
End Time:	2021-12-20 15:10:49
Outcome:	Passed


Test Case Information

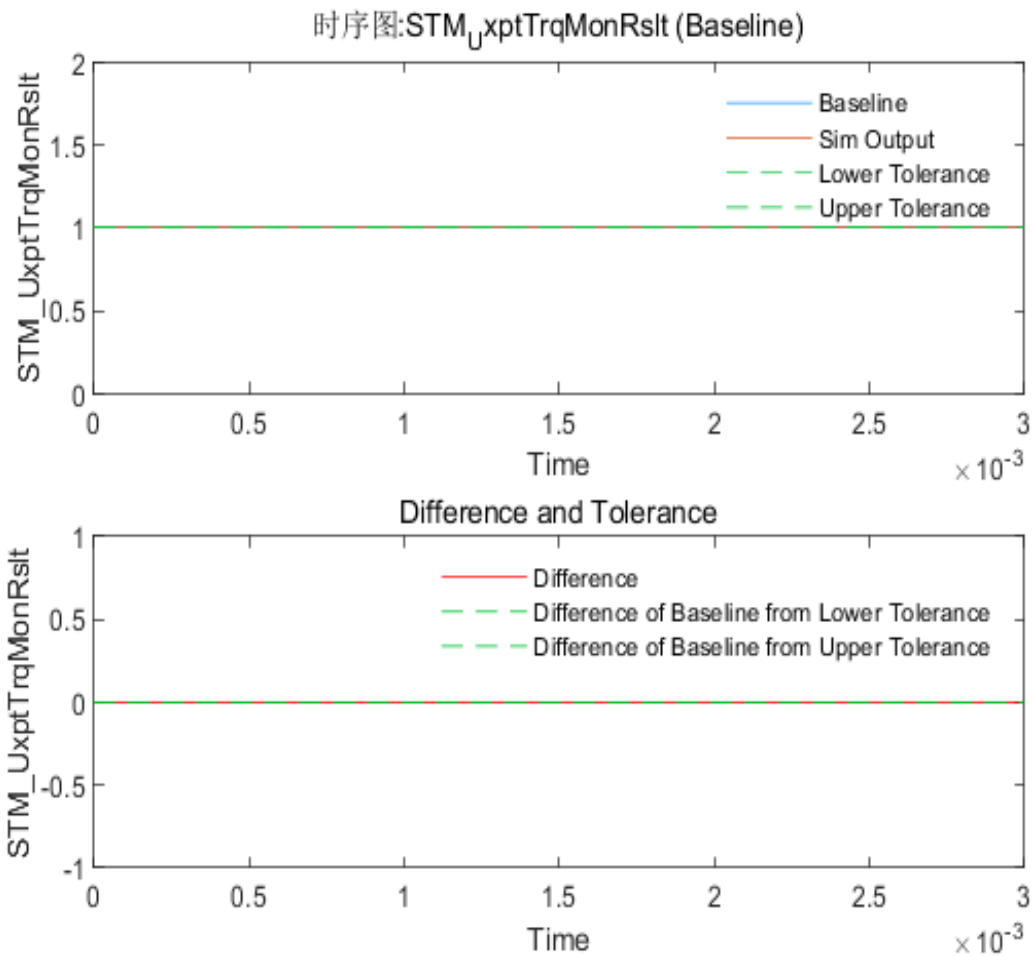
Name:	EI09_SWUT_MIL_UintndTrqMon_04
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_04

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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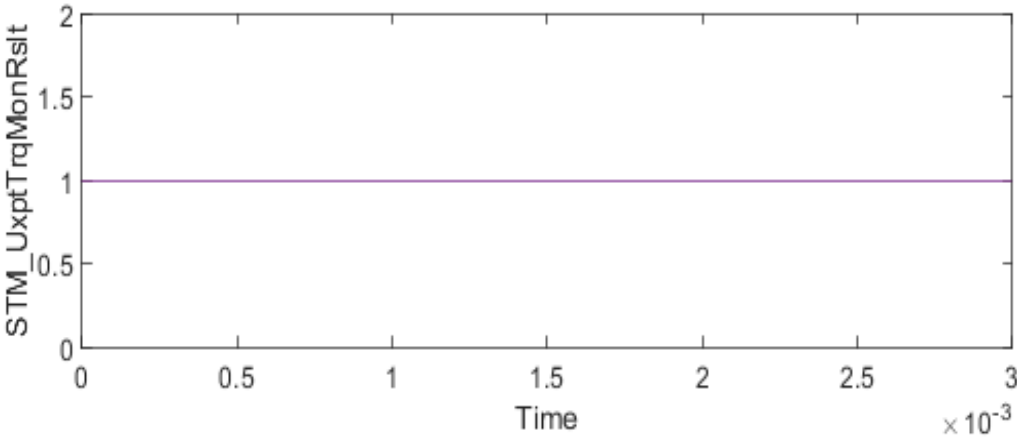
EI09_SWUT_UintndTrqMon_04

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_04
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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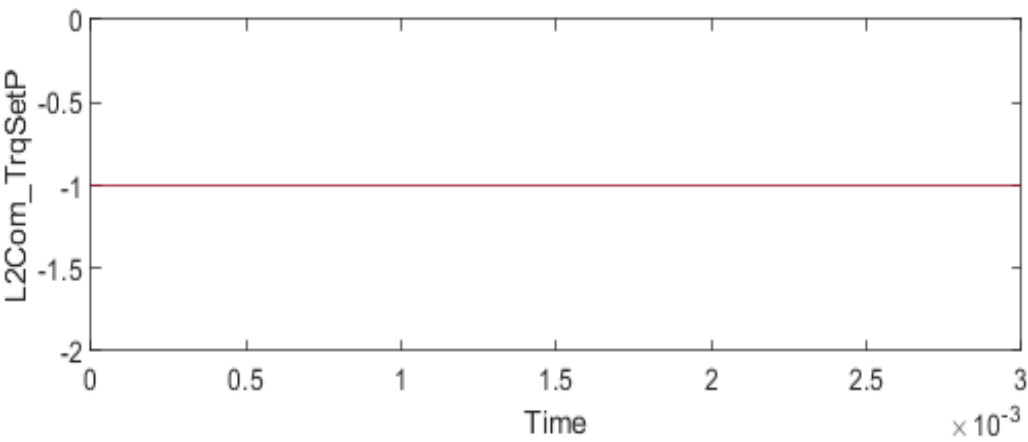
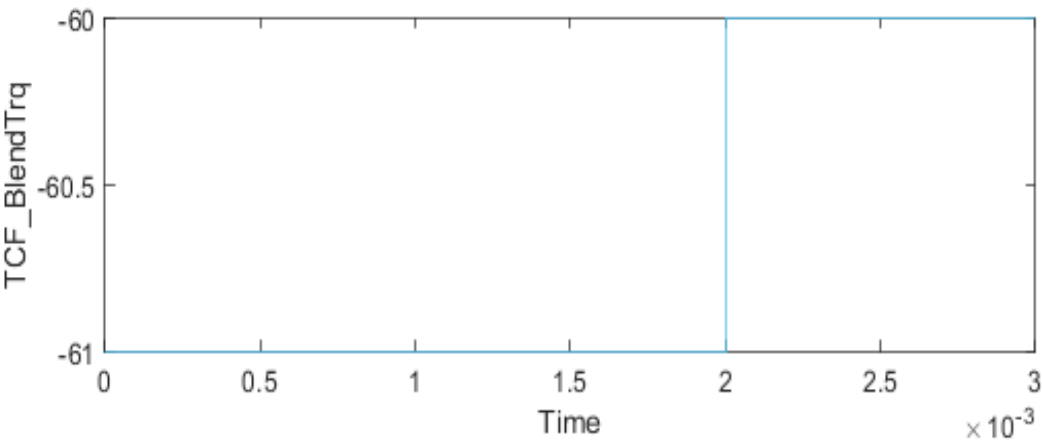
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_04

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

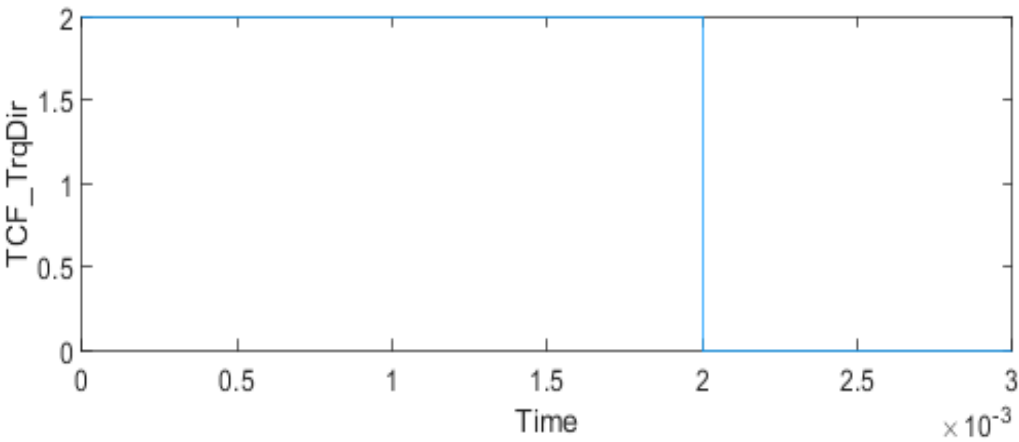
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

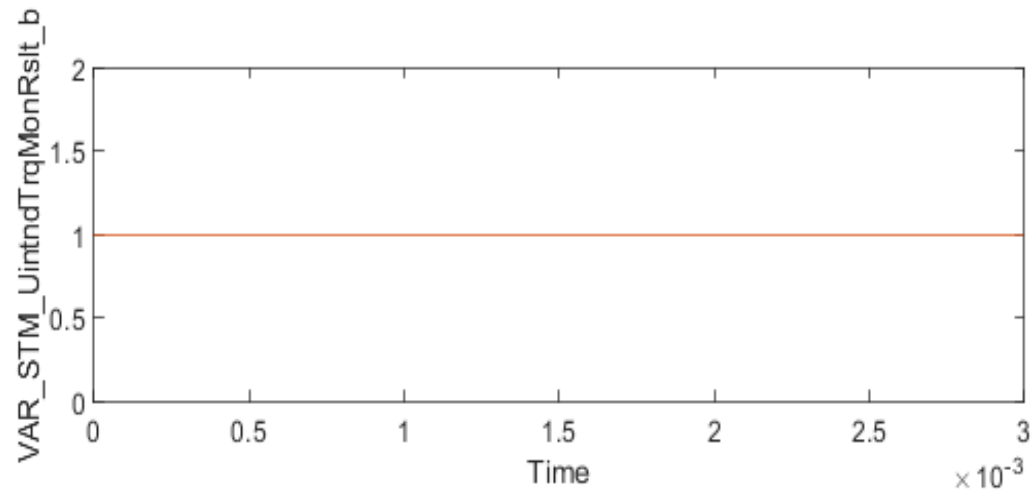
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_04
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.0030000000000000001
Checksum: 4259116435 90301075 495915238 4023834302
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:10:45
Simulation Stop Time: 2021-12-20 15:10:47
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.0030000000000000001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_05

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:10:50
End Time:	2021-12-20 15:10:53
Outcome:	Passed


Test Case Information

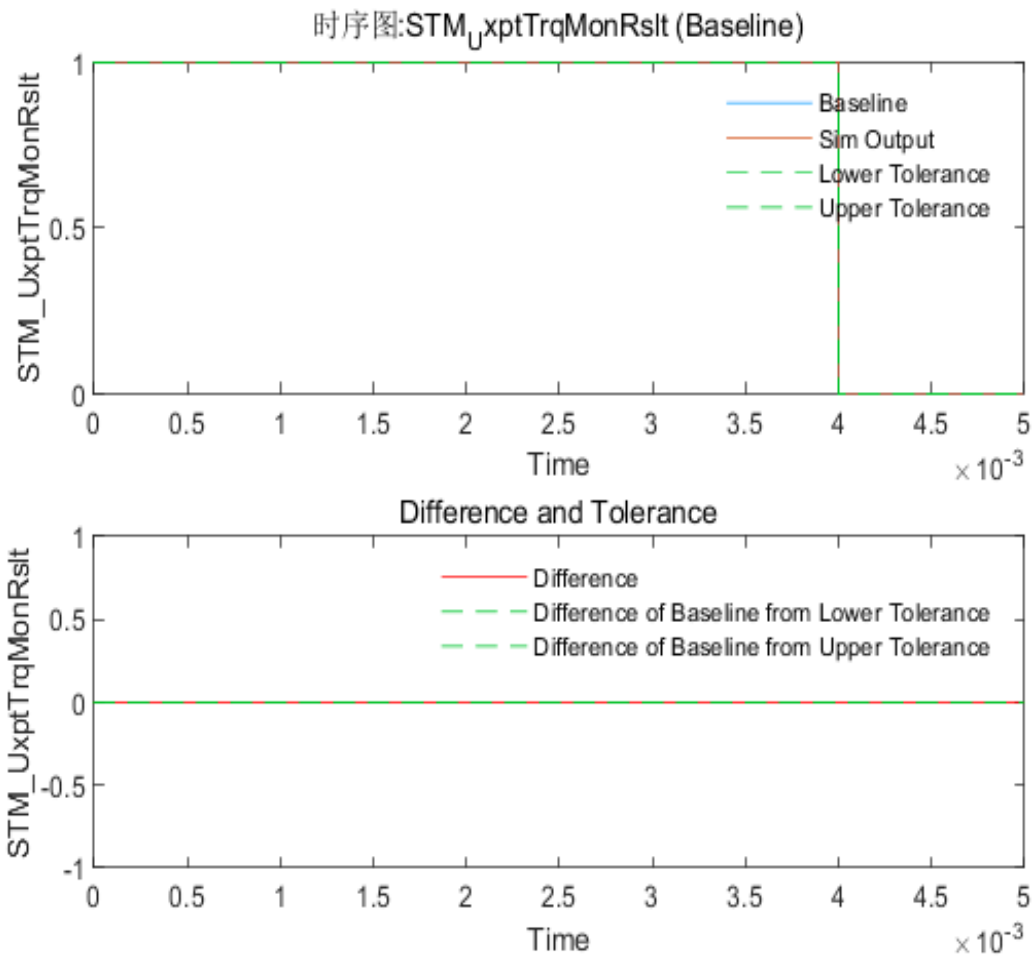
Name:	EI09_SWUT_MIL_UintndTrqMon_05
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_05

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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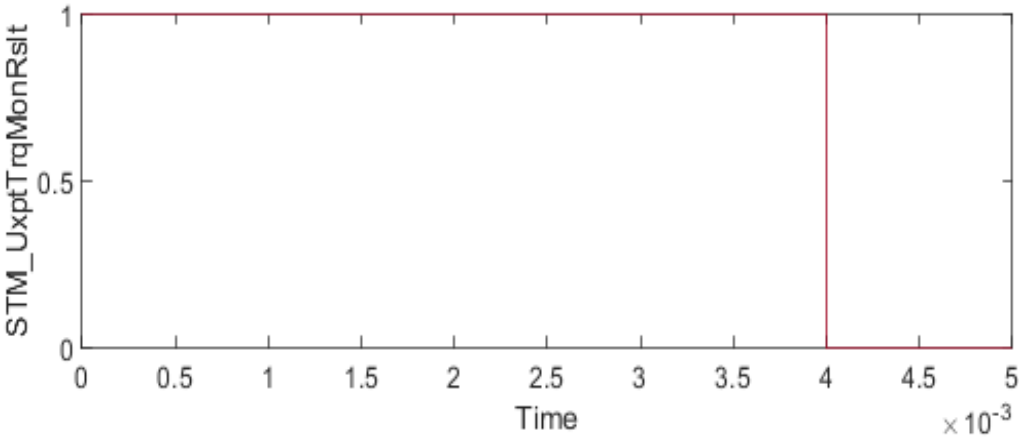
EI09_SWUT_UintndTrqMon_05

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_05
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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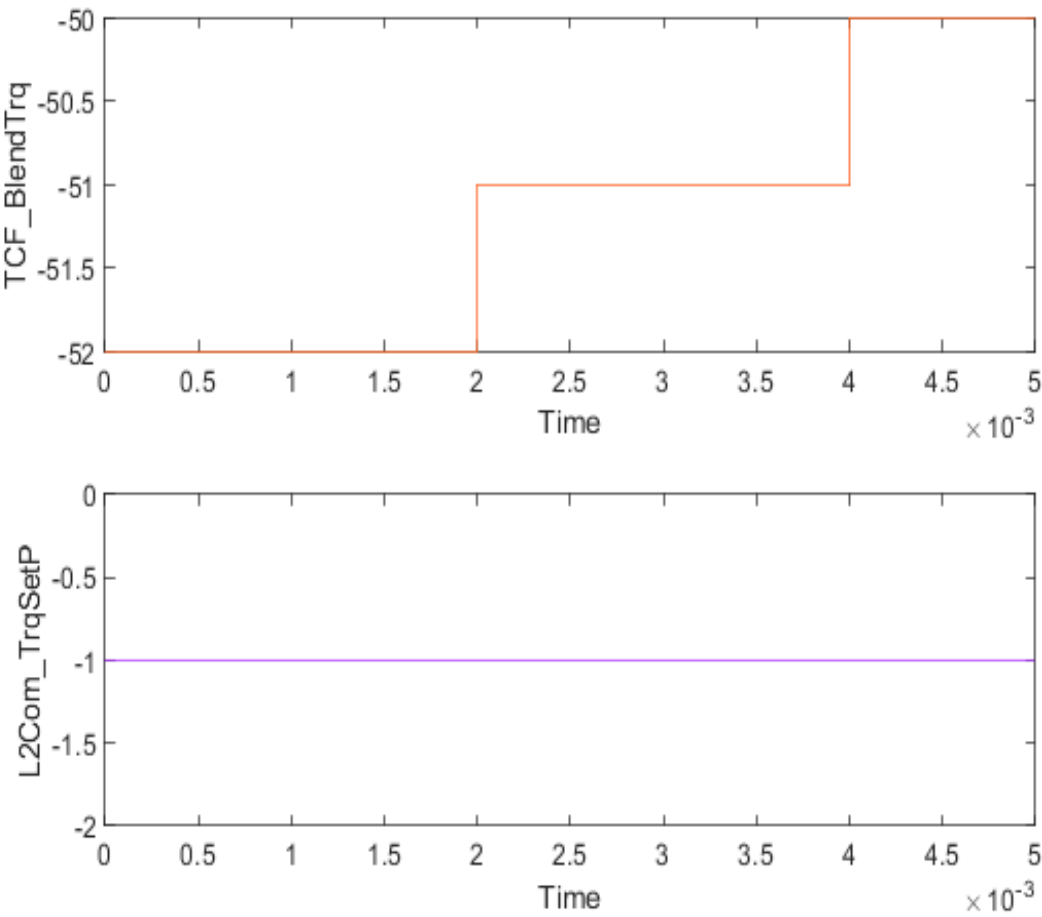
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_05

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

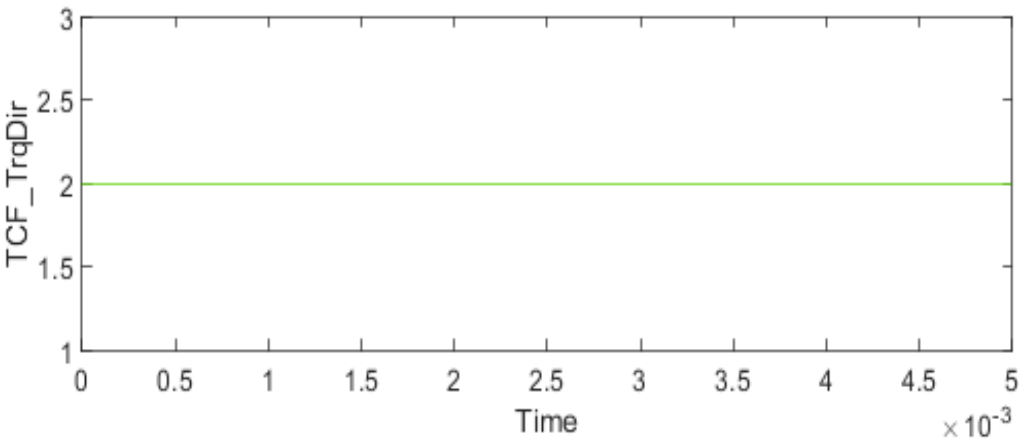
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

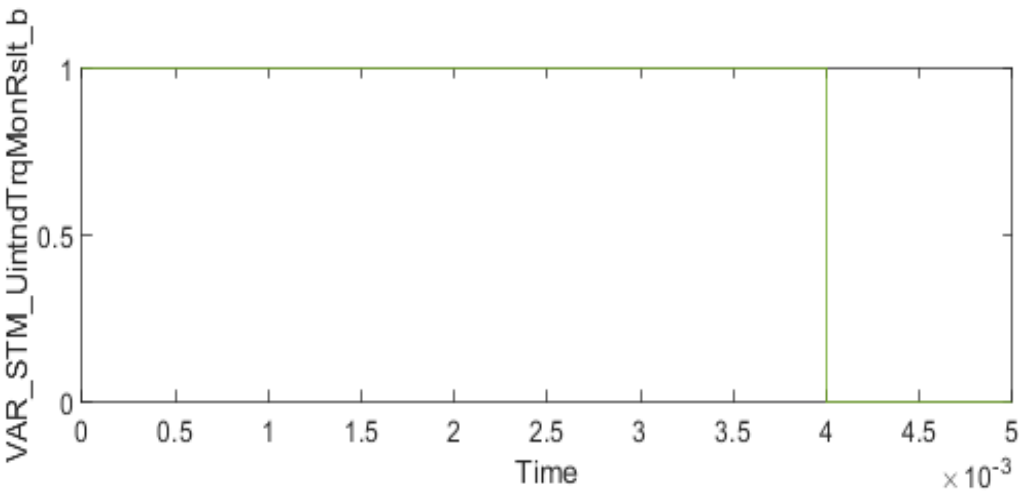
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_05
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.00500000000000000001
Checksum: 2829509640 3644075798 1212699713 2708026921
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:10:50
Simulation Stop Time: 2021-12-20 15:10:51
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.0050000000000000001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_06

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:10:55
End Time:	2021-12-20 15:10:58
Outcome:	Passed


Test Case Information

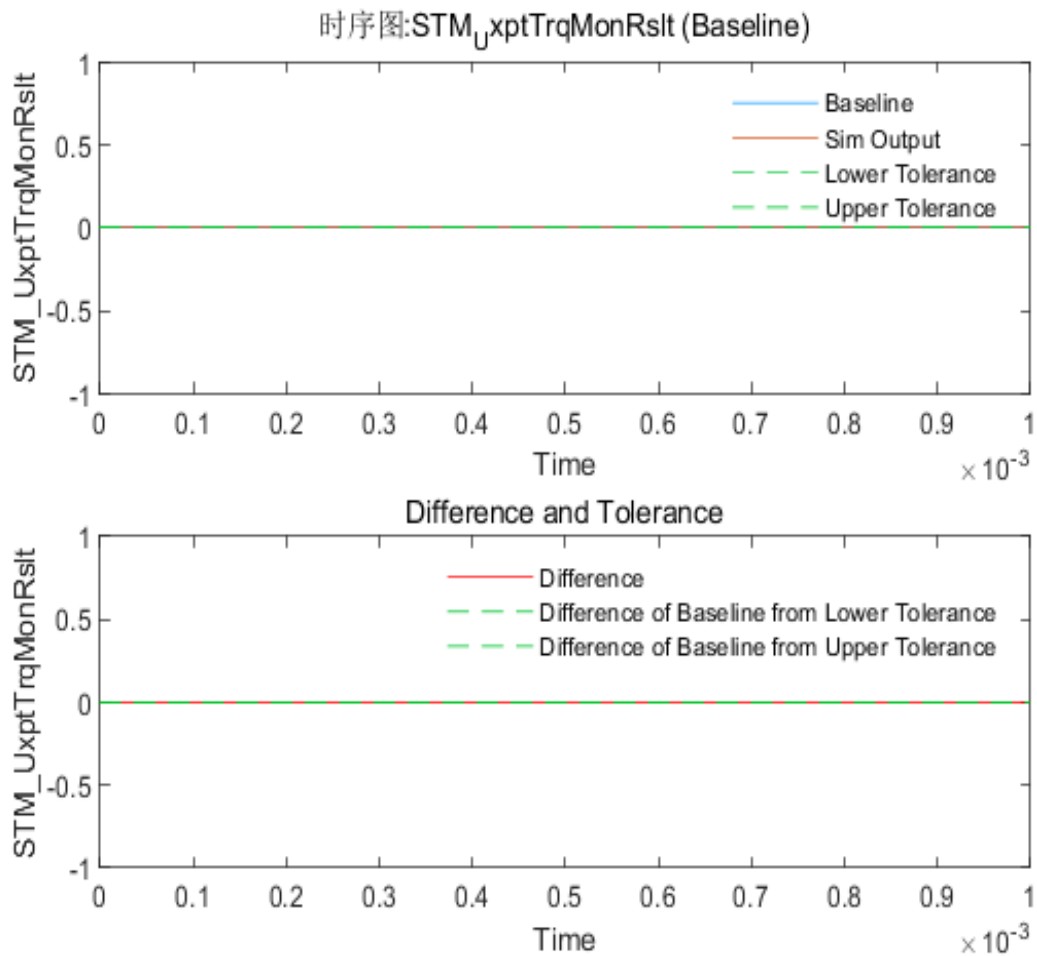
Name:	EI09_SWUT_MIL_UintndTrqMon_06
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_06

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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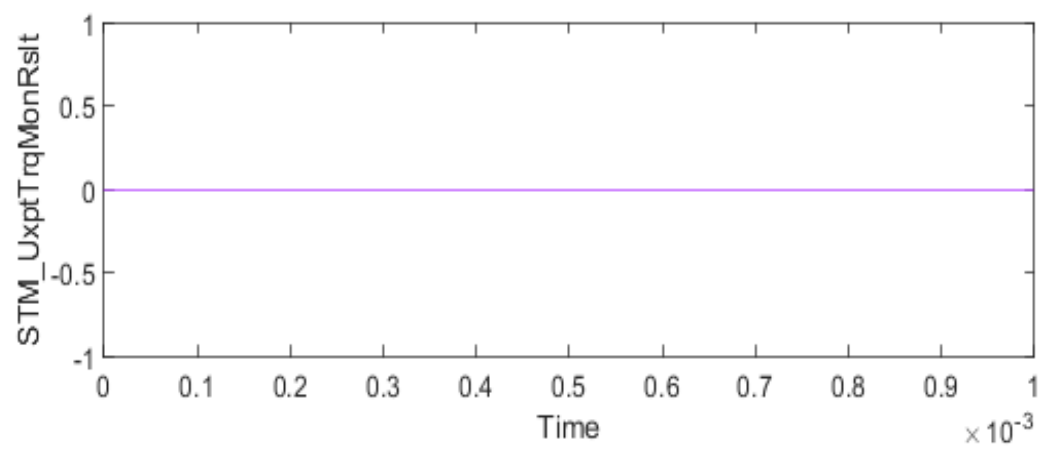
EI09_SWUT_UintndTrqMon_06

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_06
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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Input Data
Input Information

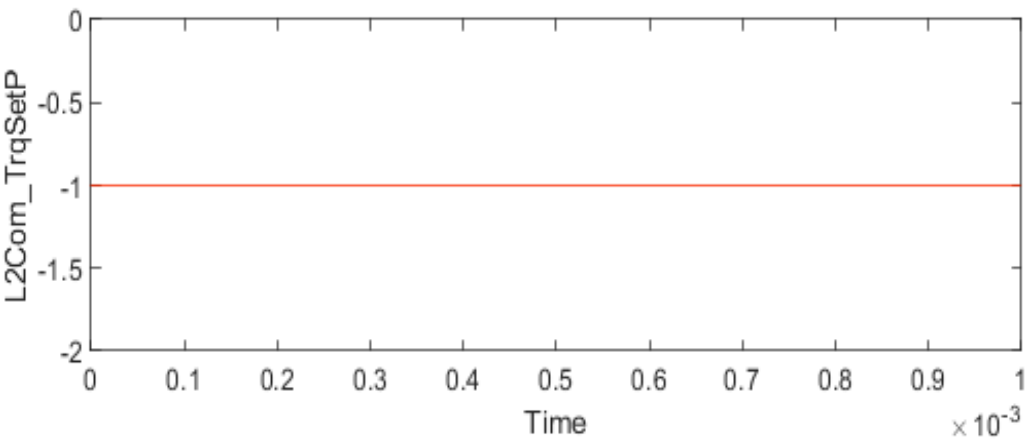
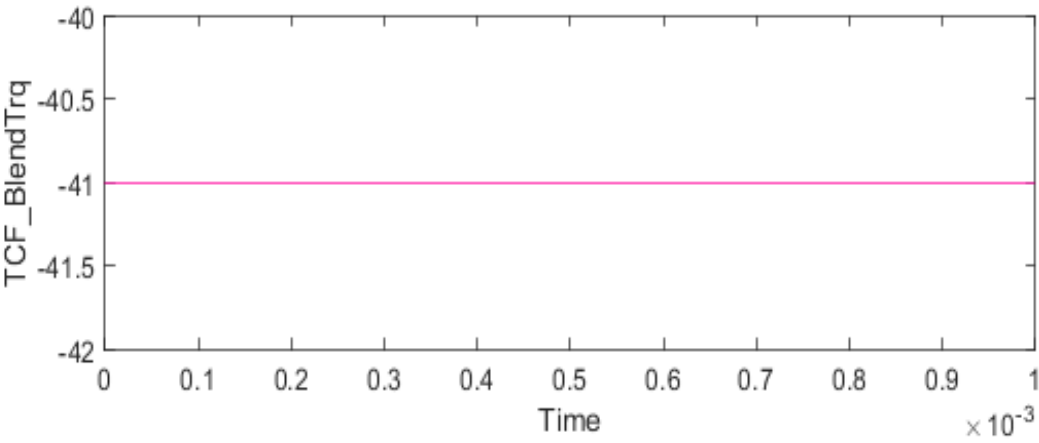
External Input Name: EI09_SWUT_UintndTrqMon_06

me:

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

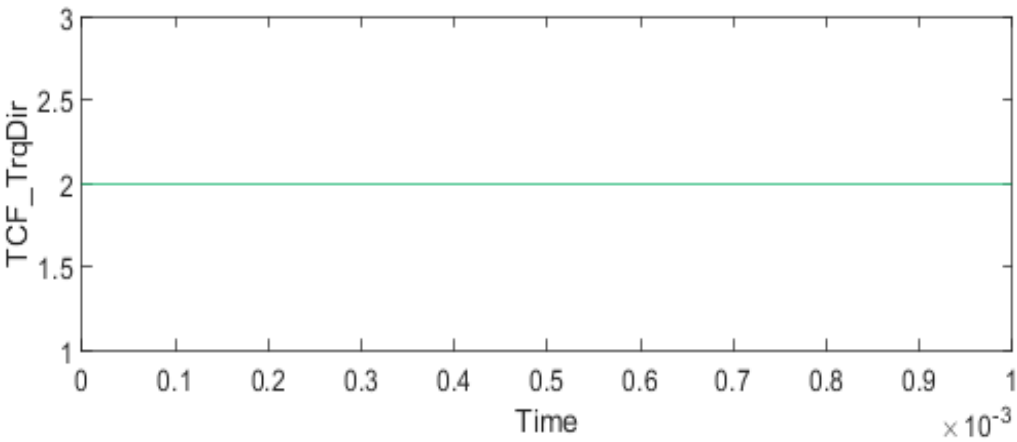
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

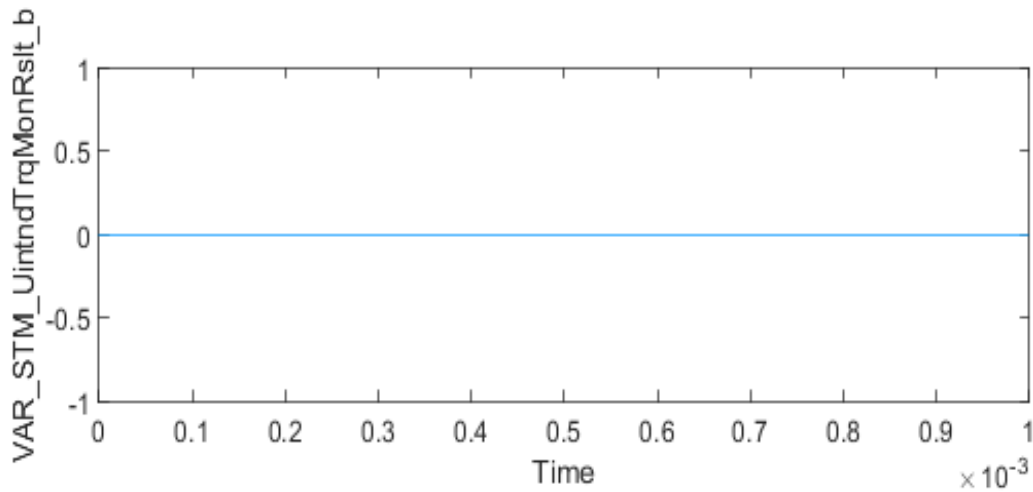
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_06
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.001
Checksum: 4024133775 699010140 823325824 3900202404
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:10:55
Simulation Stop Time: 2021-12-20 15:10:56
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_07

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:11:00
End Time:	2021-12-20 15:11:03
Outcome:	Passed


Test Case Information

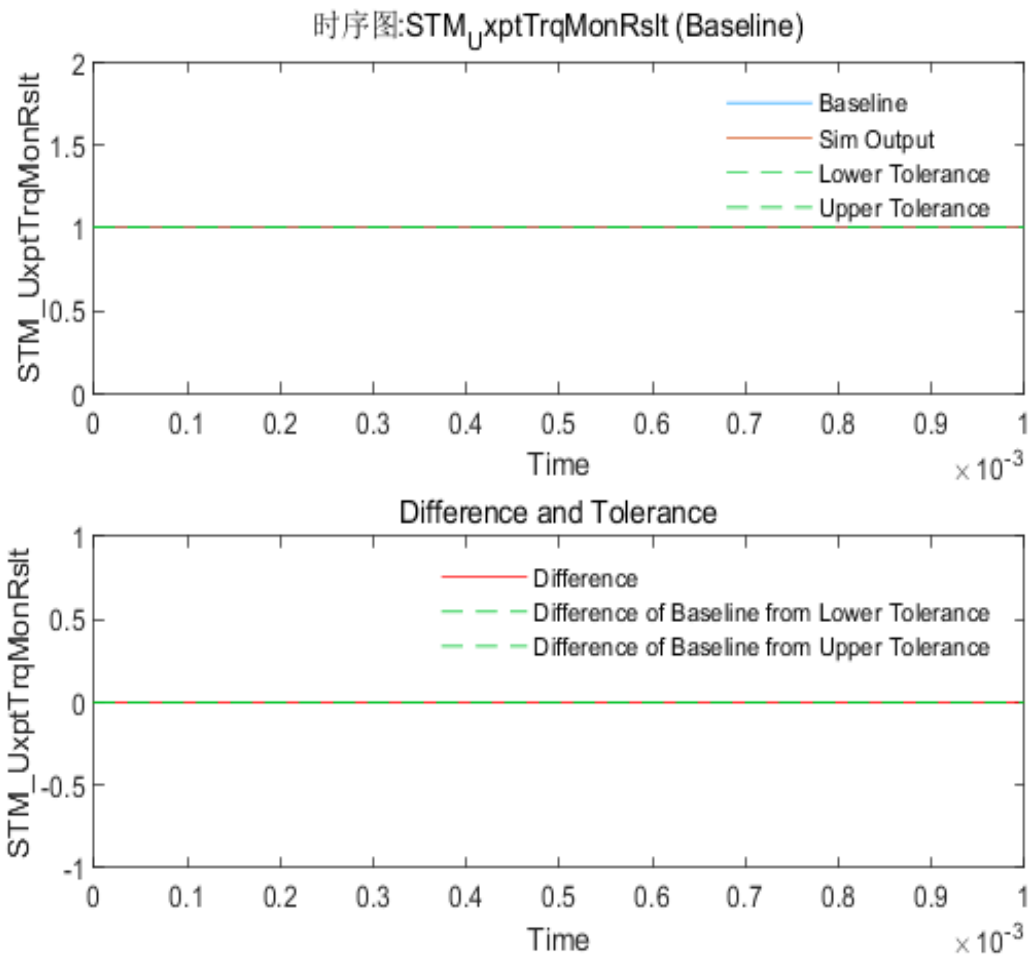
Name:	EI09_SWUT_MIL_UintndTrqMon_07
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_07

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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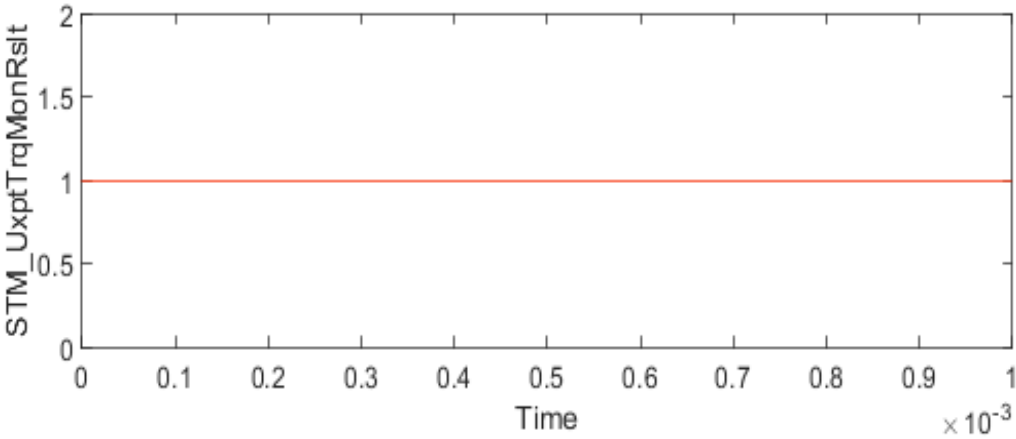
EI09_SWUT_UintndTrqMon_07

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_07
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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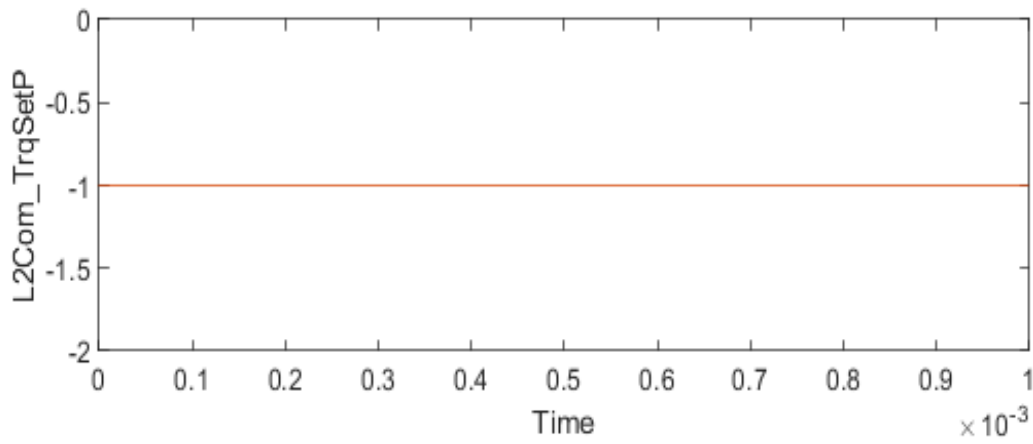
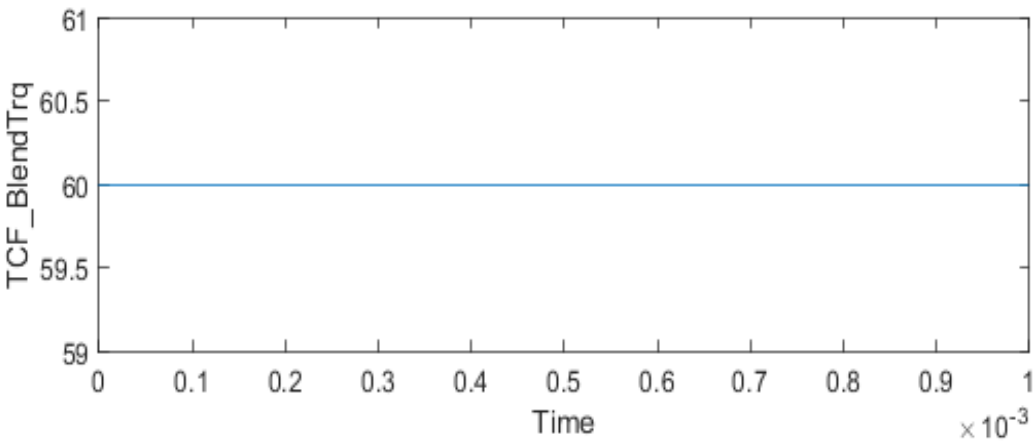
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_07

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

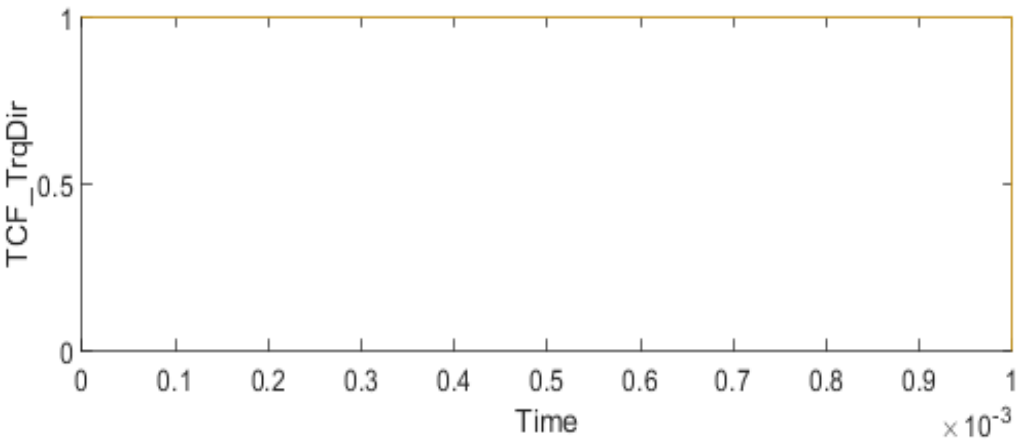
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

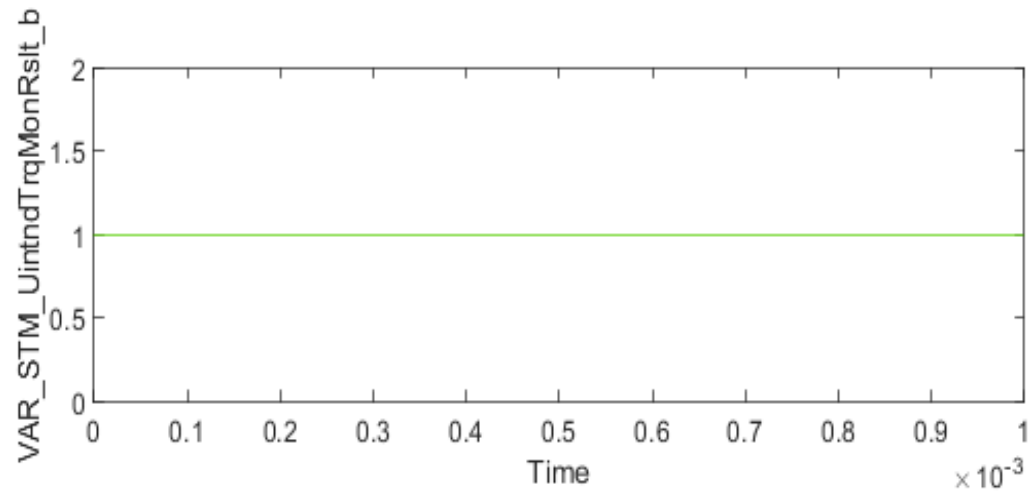
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_07
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.001
Checksum: 4024133775 699010140 823325824 3900202404
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:11:00
Simulation Stop Time: 2021-12-20 15:11:01
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_08

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:11:04
End Time:	2021-12-20 15:11:08
Outcome:	Passed


Test Case Information

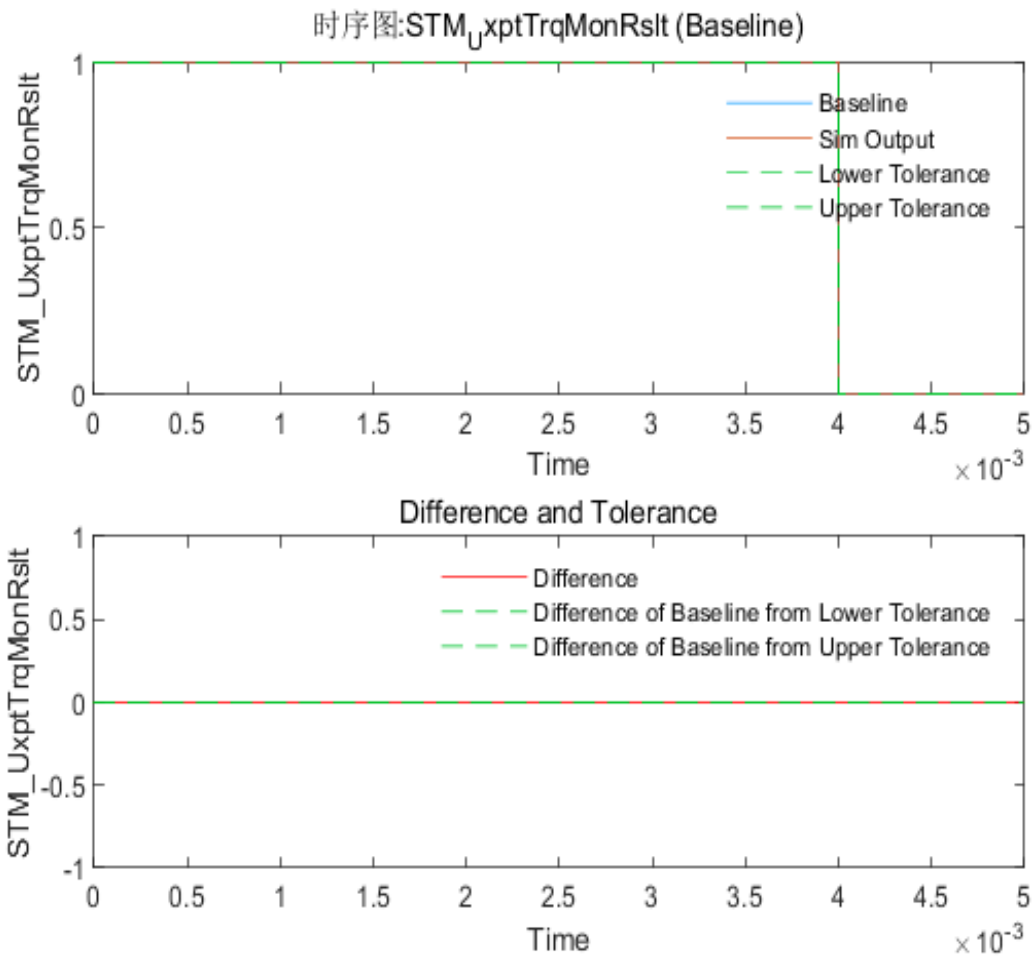
Name:	EI09_SWUT_MIL_UintndTrqMon_08
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_08

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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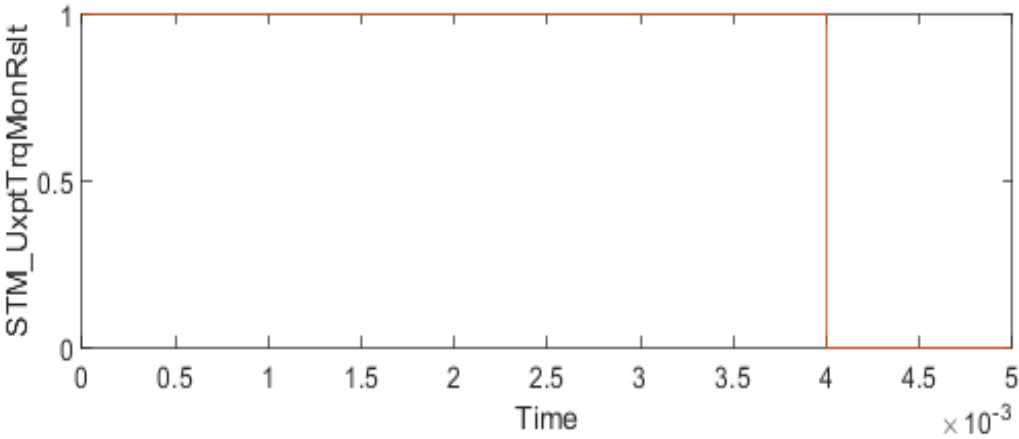
EI09_SWUT_UintndTrqMon_08

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_08
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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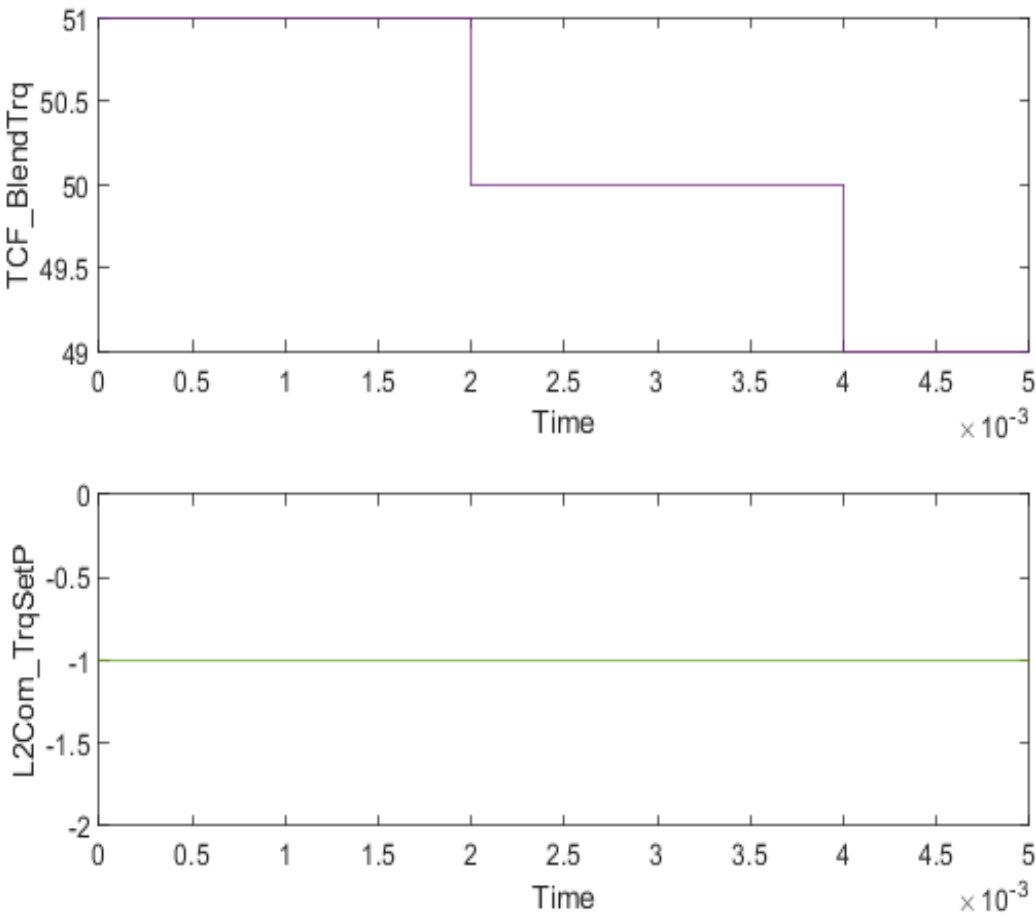
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_08

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

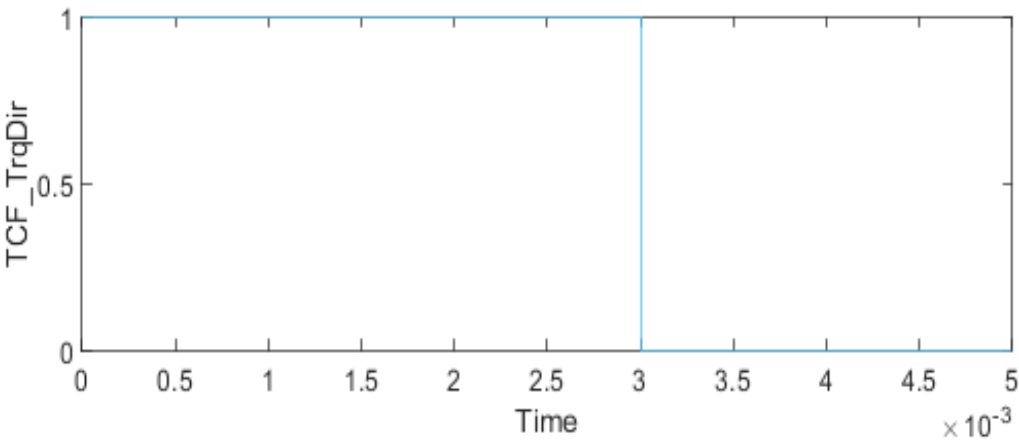
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

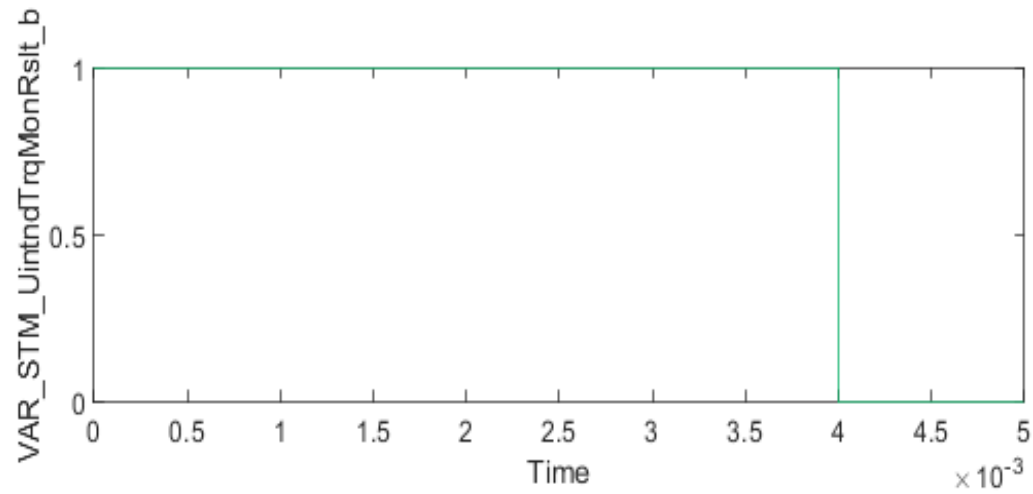
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_08
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.0050000000000000001
Checksum: 2829509640 3644075798 1212699713 2708026921
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:11:05
Simulation Stop Time: 2021-12-20 15:11:06
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.0050000000000000001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_09

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:11:10
End Time:	2021-12-20 15:11:13
Outcome:	Passed


Test Case Information

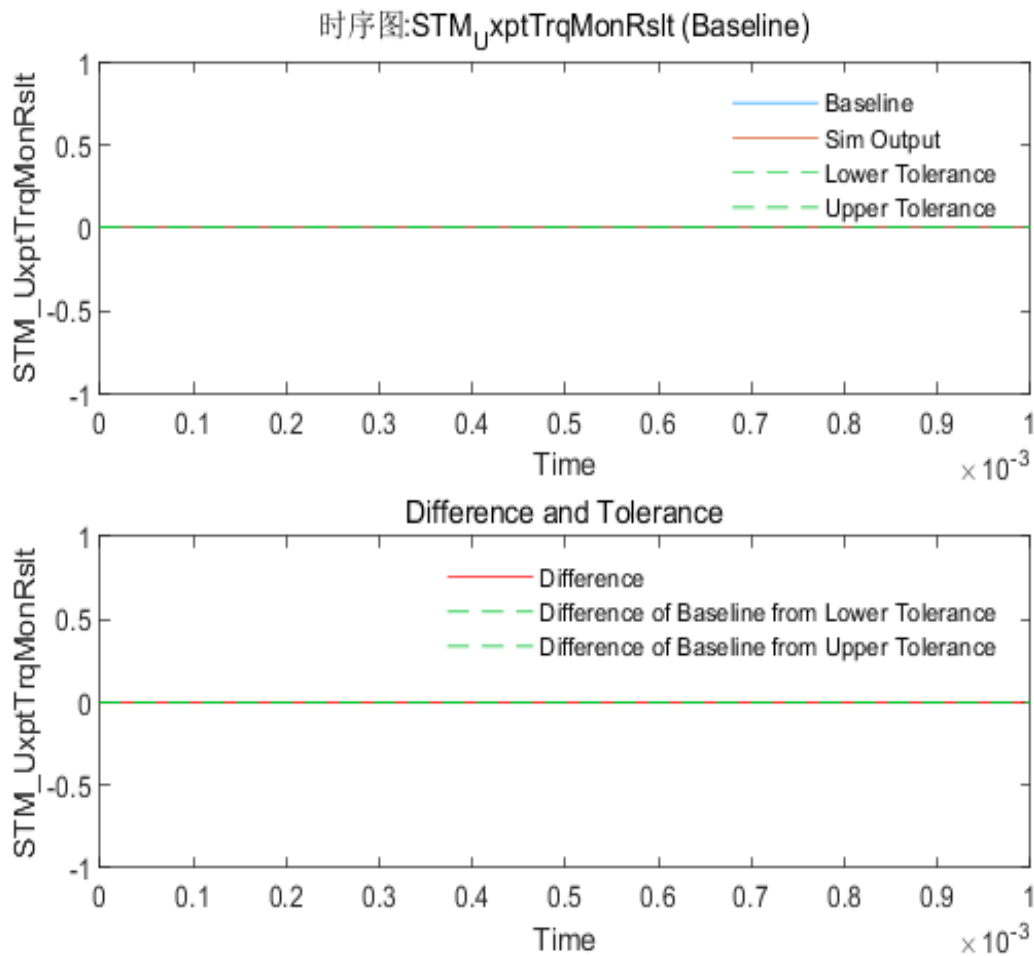
Name:	EI09_SWUT_MIL_UintndTrqMon_09
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_09

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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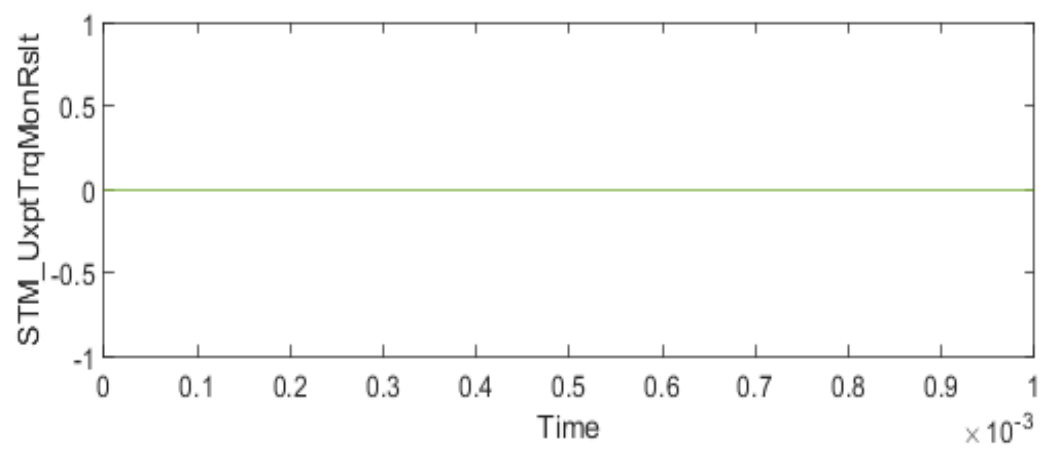
EI09_SWUT_UintndTrqMon_09

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_09
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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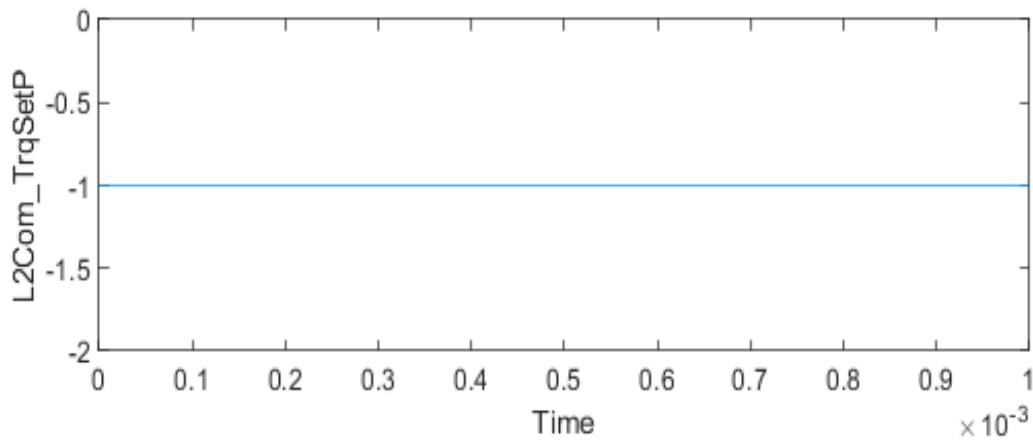
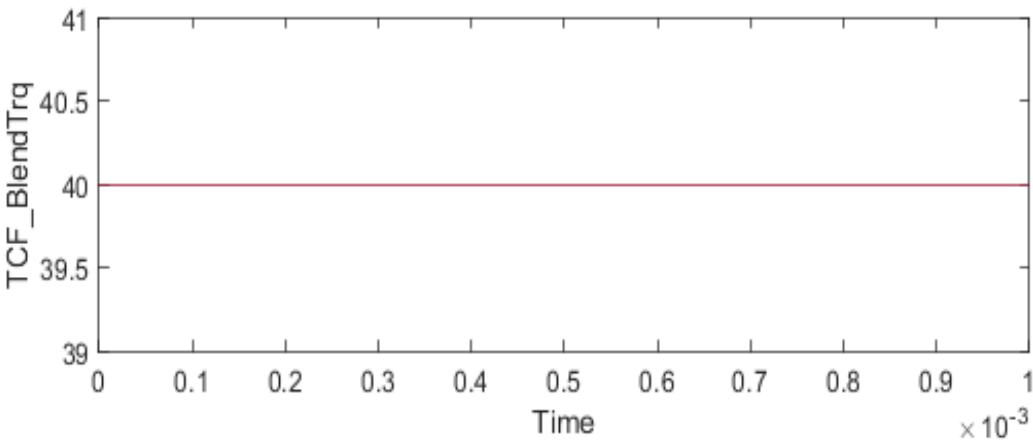
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_09

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

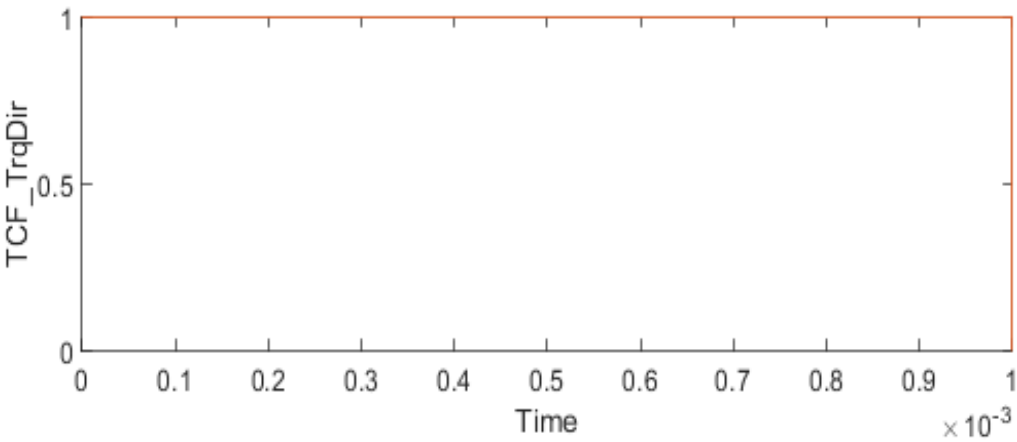
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model:

SWC_STM

Harness:

SWC_STM_Harness_UintndTrqMon

Harness Owner:

SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon

Simulation Mode:

normal

Override SIL or PIL Mod 0

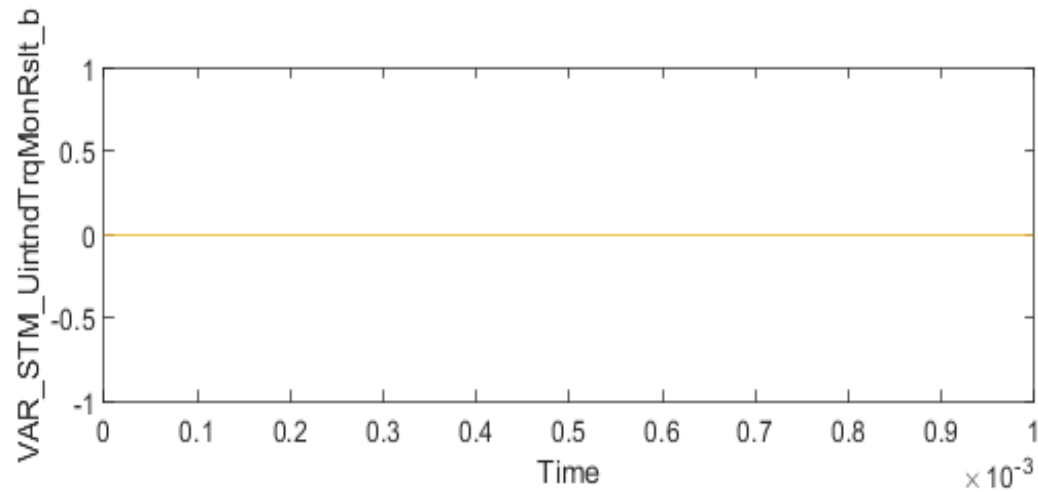
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_09
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.001
Checksum: 4024133775 699010140 823325824 3900202404
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:11:10
Simulation Stop Time: 2021-12-20 15:11:11
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined
in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition
in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined
in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition
in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined
in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition
in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_10

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:11:15
End Time:	2021-12-20 15:11:18
Outcome:	Passed


Test Case Information

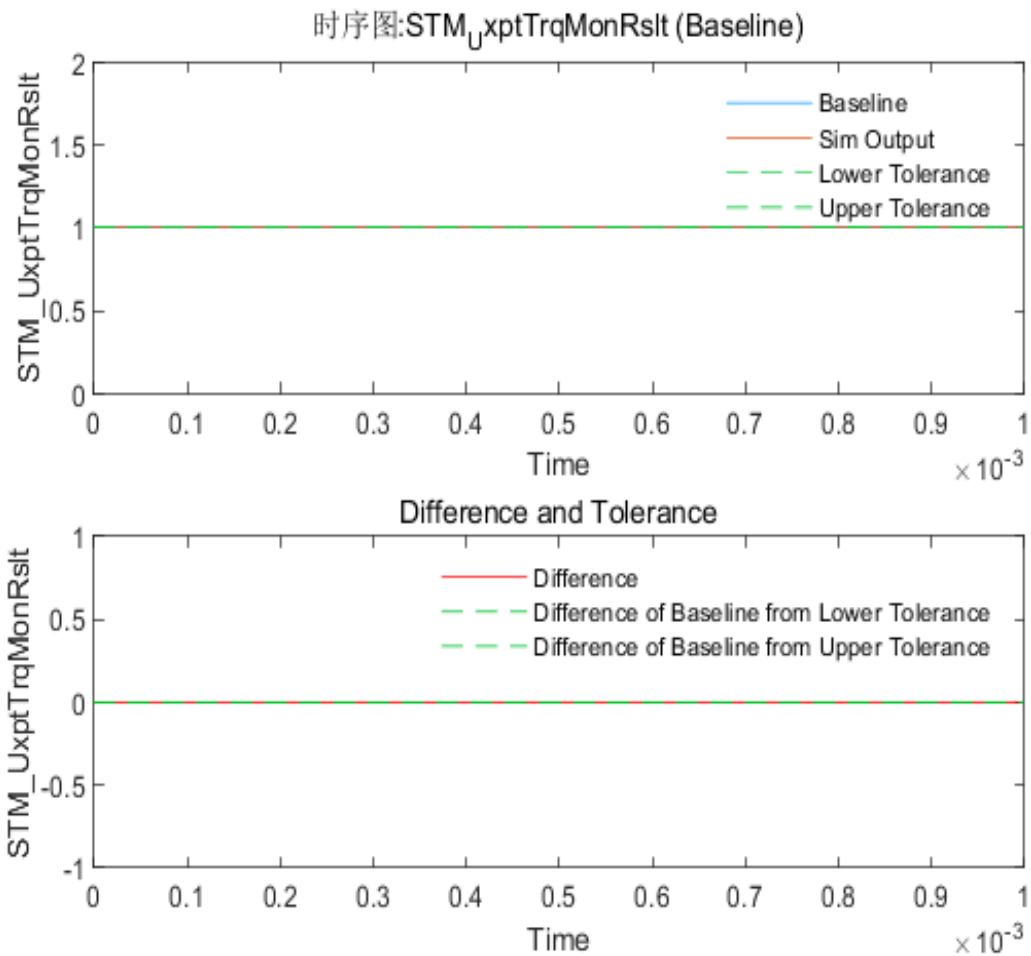
Name:	EI09_SWUT_MIL_UintndTrqMon_10
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_10

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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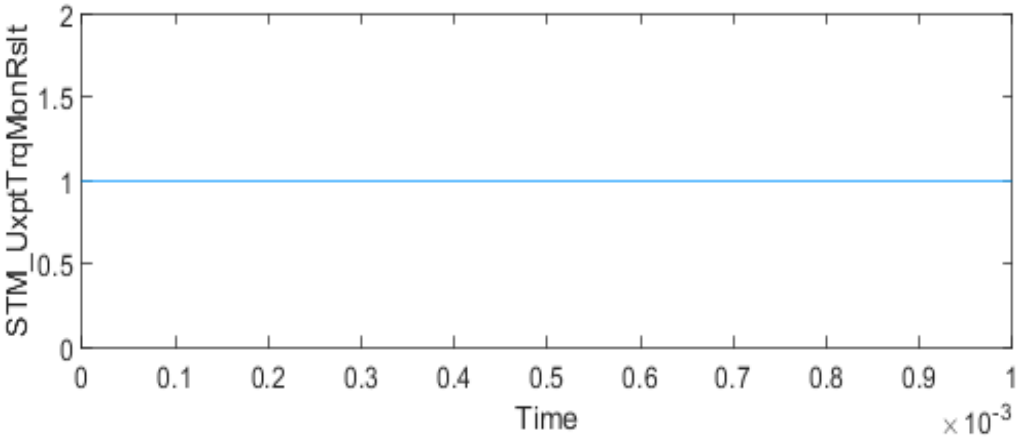
EI09_SWUT_UintndTrqMon_10

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_10
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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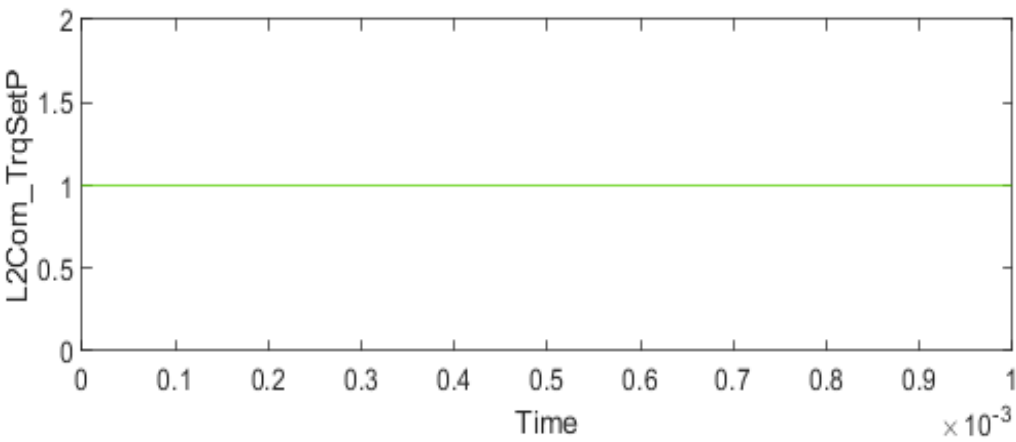
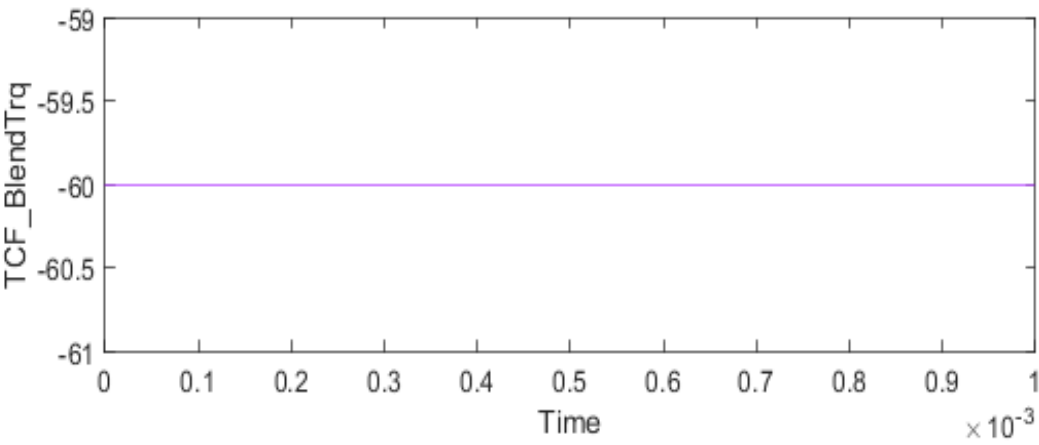
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_10

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

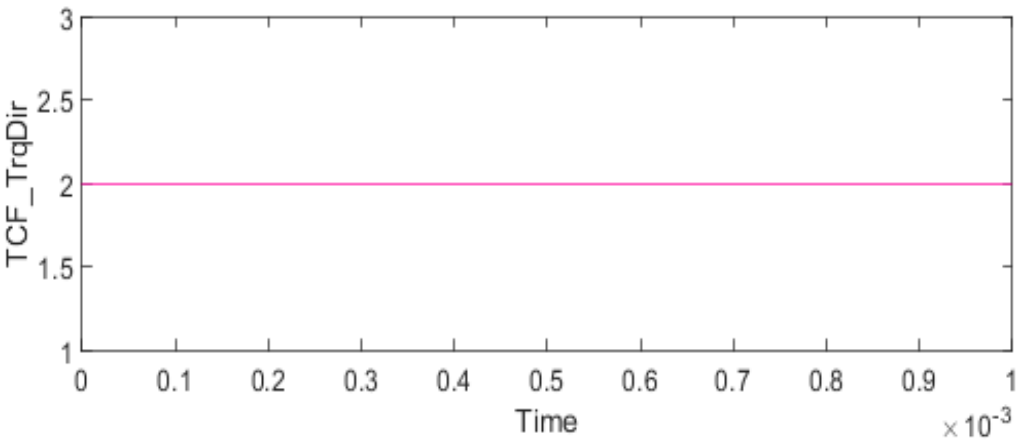
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

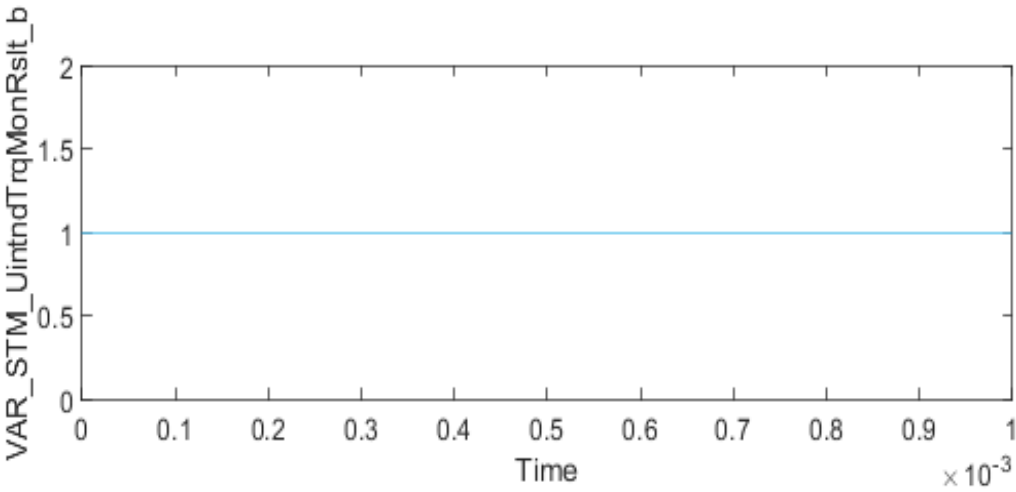
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_10
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.001
Checksum: 4024133775 699010140 823325824 3900202404
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:11:15
Simulation Stop Time: 2021-12-20 15:11:16
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_11

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:11:19
End Time:	2021-12-20 15:11:23
Outcome:	Passed


Test Case Information

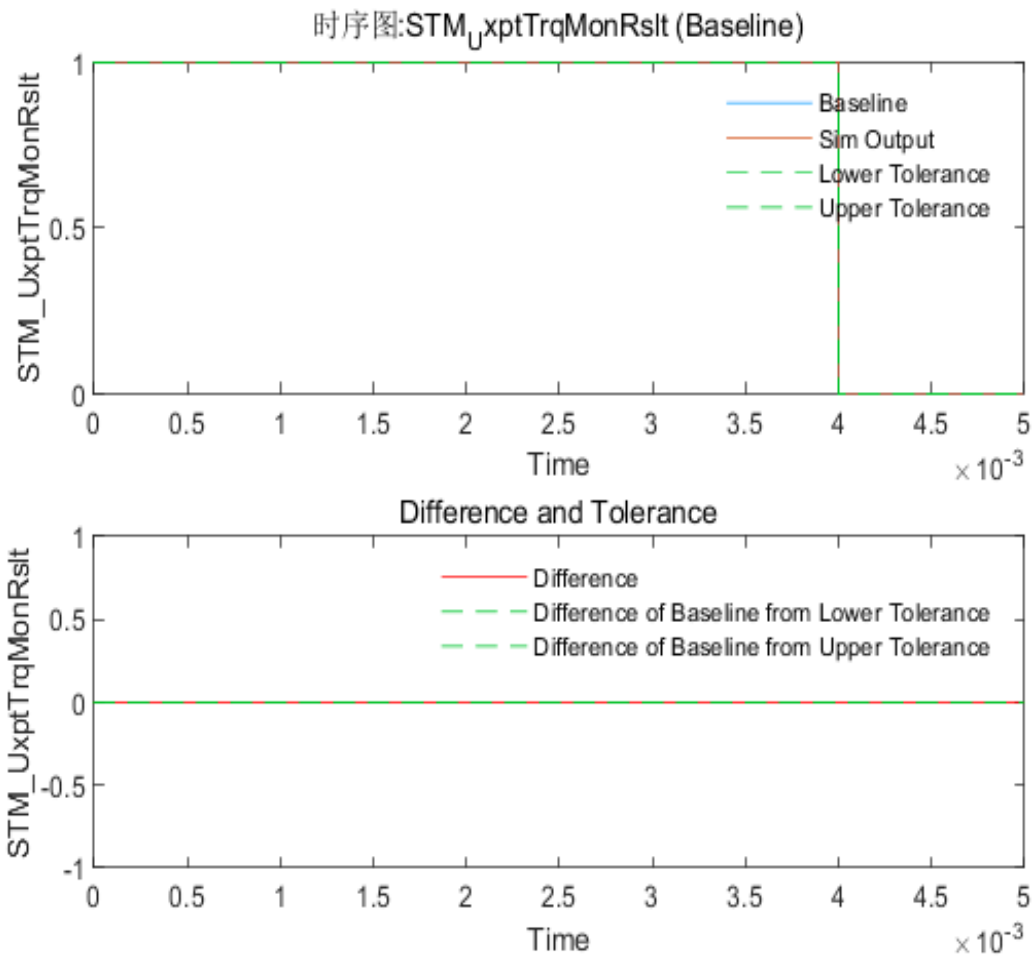
Name:	EI09_SWUT_MIL_UintndTrqMon_11
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_11

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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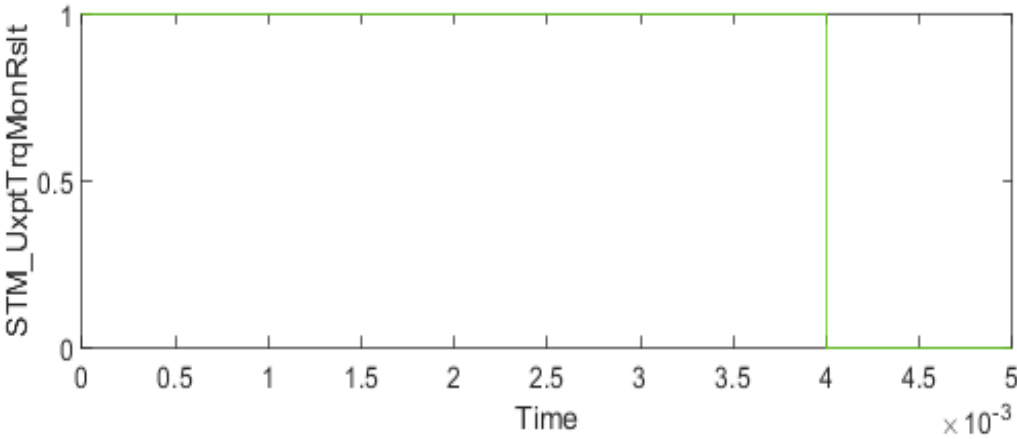
EI09_SWUT_UintndTrqMon_11

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_11
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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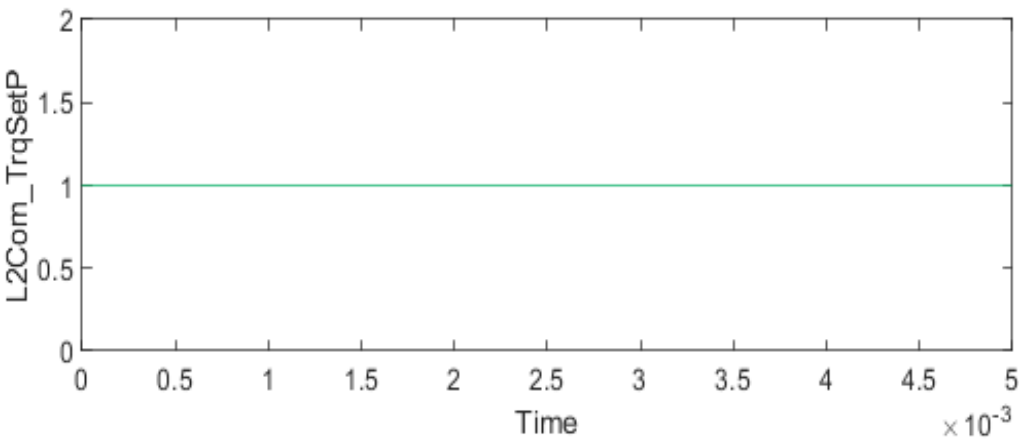
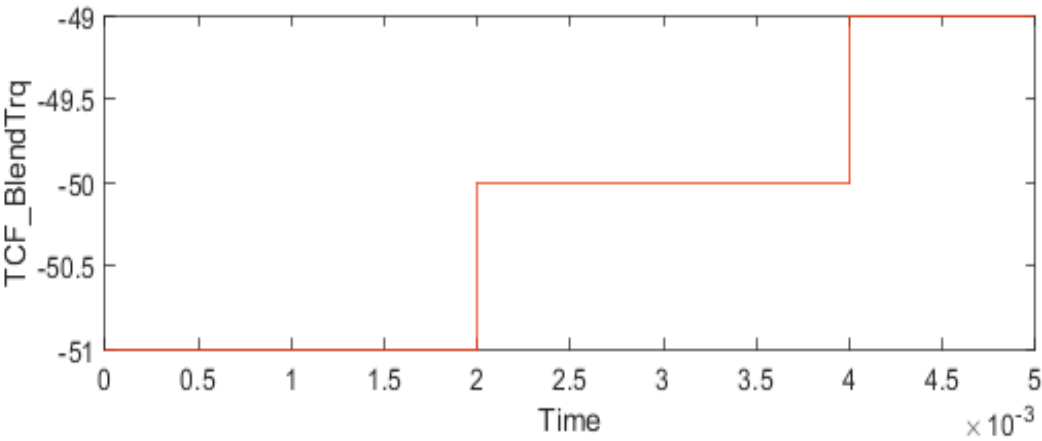
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_11

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

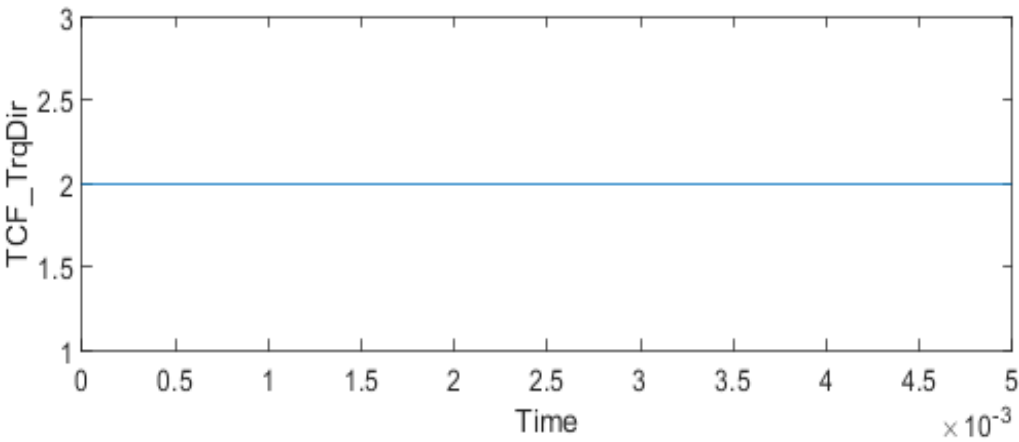
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

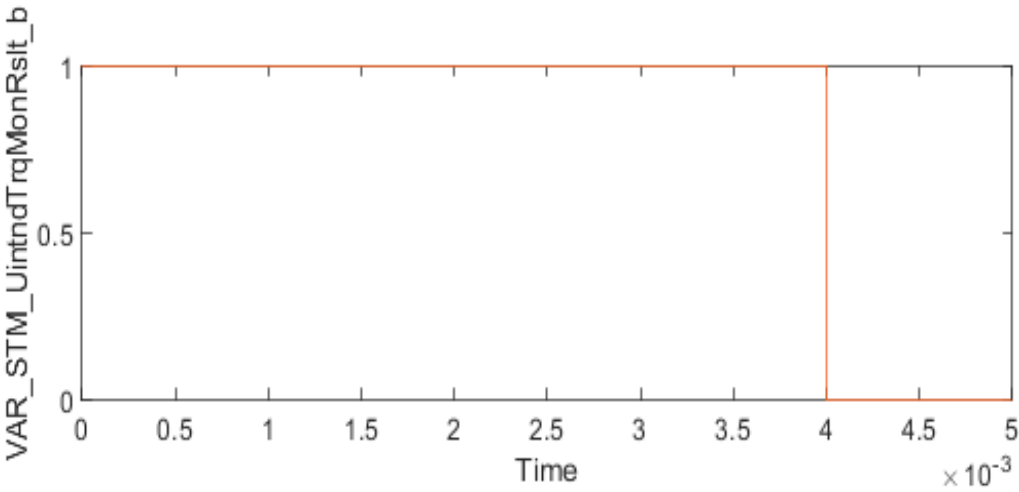
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_11
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.0050000000000000001
Checksum: 2829509640 3644075798 1212699713 2708026921
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:11:19
Simulation Stop Time: 2021-12-20 15:11:21
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.0050000000000000001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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EI09_SWUT_MIL_UintndTrqMon_12

Test Result Information


Result Type:	Test Case Result
Parent:	UintndTrqMon
Start Time:	2021-12-20 15:11:24
End Time:	2021-12-20 15:11:28
Outcome:	Passed


Test Case Information

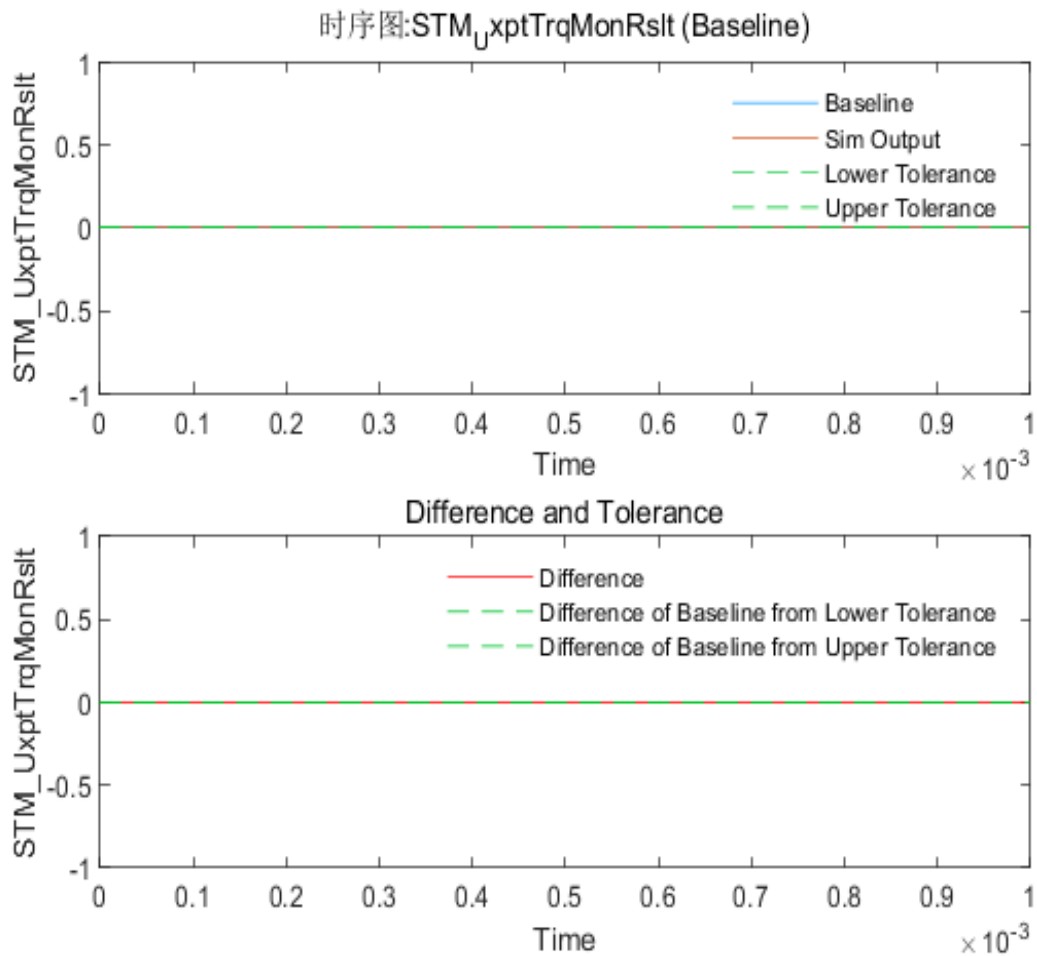
Name:	EI09_SWUT_MIL_UintndTrqMon_12
Type:	Baseline Test
Baseline Name:	EI09_SWUT_UintndTrqMon_12

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 STM_Uxpt TrqMonRslt	0.1	0	0	0	0	boolean			boolean			zoh	union



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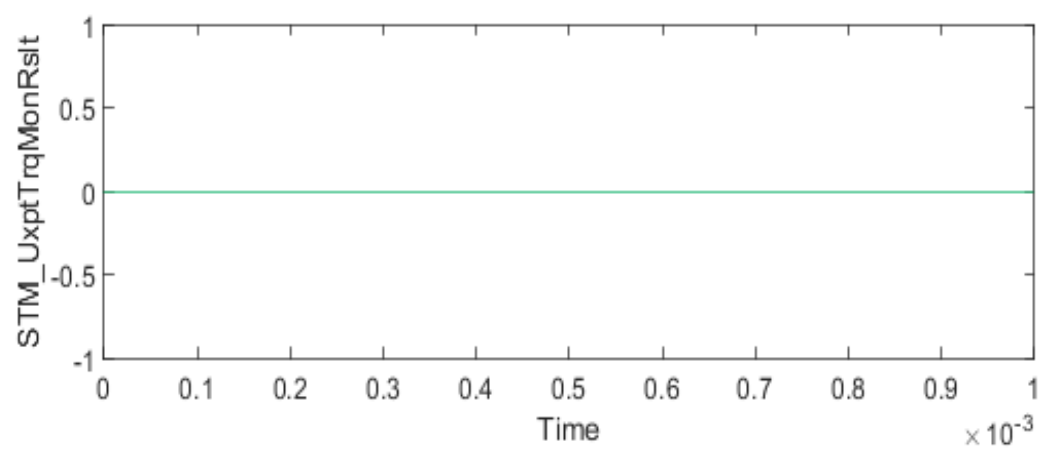
EI09_SWUT_UintndTrqMon_12

Baseline Information

Baseline Name: EI09_SWUT_UintndTrqMon_12
 Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
STM_UxptTrqMonRslt	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
STM_UxptTrqMonRslt	boolean			zoh	union



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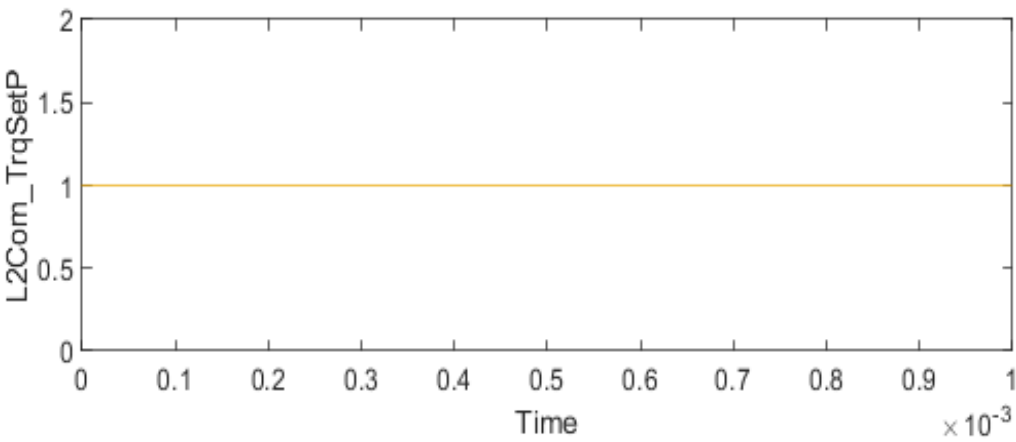
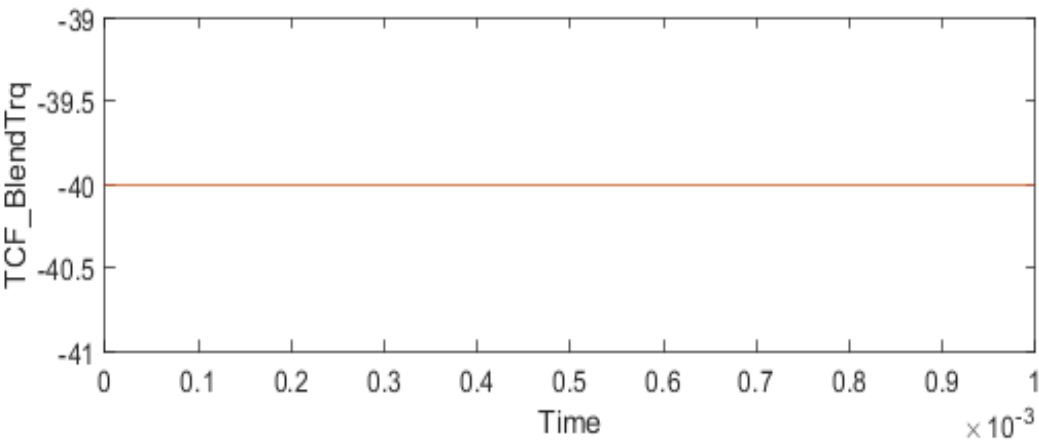
Input Data
Input Information

External Input Name: EI09_SWUT_UintndTrqMon_12

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx

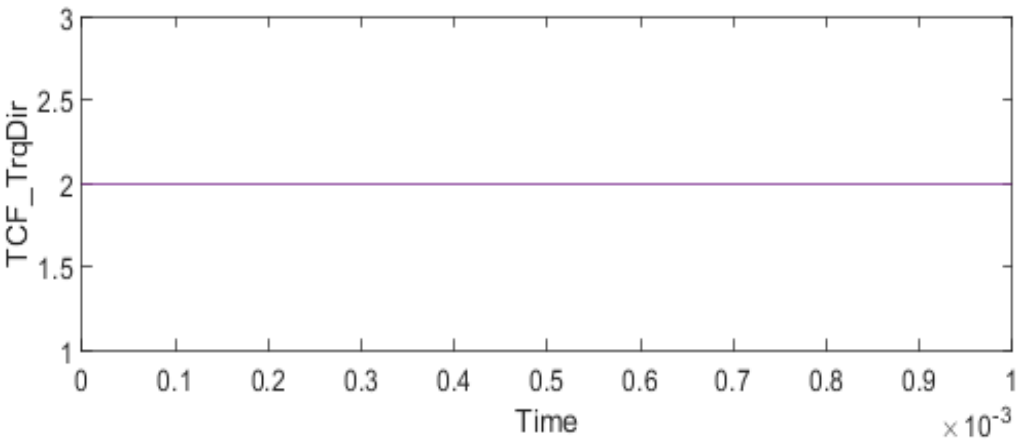
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_BlendTrq	single			zoh	union	Link
L2Com_TrqSetP	single			zoh	union	Link
TCF_TrqDir	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_BlendTrq	single			zoh	union
L2Com_TrqSetP	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
TCF_TrqDir	uint8			zoh	union



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Simulation

System Under Test Information

Model: SWC_STM
Harness: SWC_STM_Harness_UintndTrqMon
Harness Owner: SWC_STM/SWC_STM_1ms_sys/TrqMonProc/TrqMon/UintndTrqMon
Simulation Mode: normal

Override SIL or PIL Mod 0

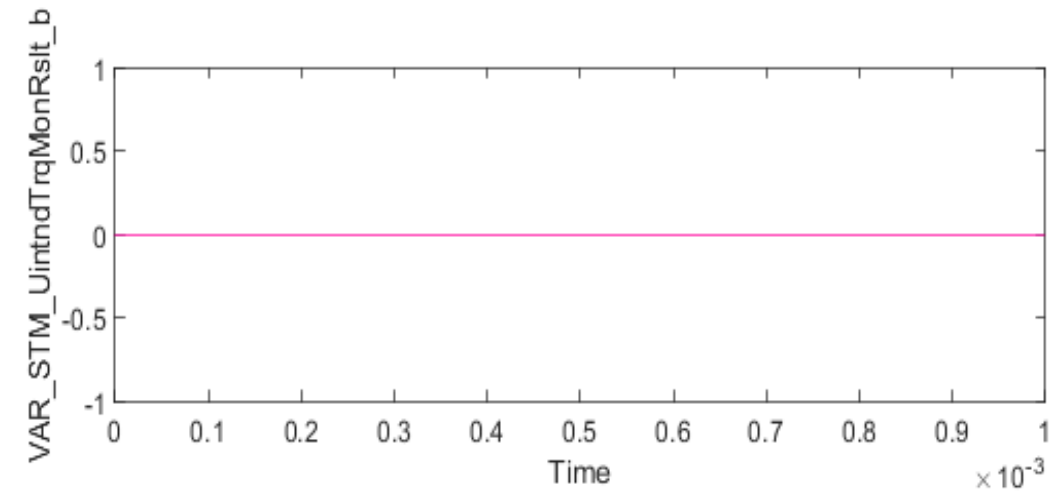
e:

Configuration Set: Configuration2
External Input Name: EI09_SWUT_UintndTrqMon_12
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\TestCase_STM.xlsx
Start Time: 0
Stop Time: 0.001
Checksum: 4024133775 699010140 823325824 3900202404
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Mon Dec 20 14:47:24 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM.slx
Machine Name: MC-ZHANGJUNRENB
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.001
Simulation Start Time: 2021-12-20 15:11:24
Simulation Stop Time: 2021-12-20 15:11:26
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
VAR_STM_UintndTrqMonRslt_b	boolean			zoh	union



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Simulation Logs:
Simulation stopped at '0.001' because there is no input data after this time point.

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

The data dictionary file 'SWC_STM_DataDictionary.sldd' is shadowed by an open file with the same name. To open the shadowed dictionary, close all open dictionaries by calling 'Simulink.data.dictionary.closeAll' and reopen.

Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

Symbol 'CAL_STM_SpeedCtlMode_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqLim_f32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonCountTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonDebTrh_s16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'CAL_STM_UxptTrqMonErrRst_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorFw_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_MotorStop_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_PosvTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'GLB_STM_ZeroTrq_u8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqErr_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'VAR_STM_UintndTrqMonRslt_b' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'boolean' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'float64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'sint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint16' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint32' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint64' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

Symbol 'uint8' is defined in [SWC_STM_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_STM_DataDictionary.sldd](#) is used.

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Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd
Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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Open file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\B2B\STM_V2\SWC_STM_DataDictionary.sldd

Shadowed file: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\STM\STM_V2\SWC_STM_DataDictionary.sldd

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