Report Generated by Test Manager

Title: TCF_PwrTrqCalc MIL Test Report

Author:

Date: 19-Dec-2021 09:52:37

Test Environment

Platform: PCWIN64 MATLAB: (R2020a)

Summary

Name	Outcome	Duration (Seconds)
PwrTrqClc	2	5.39
EI09_SWUT_MIL_PwrTrqClc_01	Ø	2.091
■ EI09 SWUT MIL PwrTrqClc 02	•	2.014

PwrTrqClc

Test Result Information

Result Type: Test Suite Result

Parent: None

Start Time: 2021-12-18 19:24:22 End Time: 2021-12-18 19:24:28 Outcome: Total: 2, Passed: 2

Test Suite Information

Name: PwrTrqClc

Aggregated Coverage Results

Analyzed Model	Sim Mo	Complexity	Decision	Execution
	de			
SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Pwr	Normal	2	100%	100%
<u>TrqCalc</u>		Ľ	100%	10070

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EI09_SWUT_MIL_PwrTrqClc_01

Test Result Information

Result Type: Test Case Result

Parent: <u>PwrTrqClc</u>

Start Time: 2021-12-18 19:24:22 End Time: 2021-12-18 19:24:24

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PwrTrqClc_01

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_PwrTrqCalc_01

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform Models\01 Platformmodels\FS\TCF\TCF V2

\TestCase_TCF.xlsx

Baseline Comparison

		_														
Name	Abs	Rel	Lead	Lag	Max	Data	Units		•		Units	Sample	Interp	Sync		ink
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$EI09_SWUT_MIL_PwrTrqCalc_01$

Baseline Information

Baseline Name:

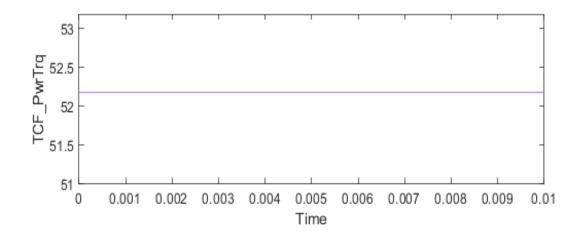
Baseline File:

 $EI09_SWUT_MIL_PwrTrqCalc_01\\ E:\EI09_Project\ei09\03_Controller_Models\02_Pla\\ tform_Models\01_Platformmodels\FS\TCF\TCF_V2\\$

\TestCase_TCF.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_PwrTrq	single			zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_PwrTrq	single			zoh	union



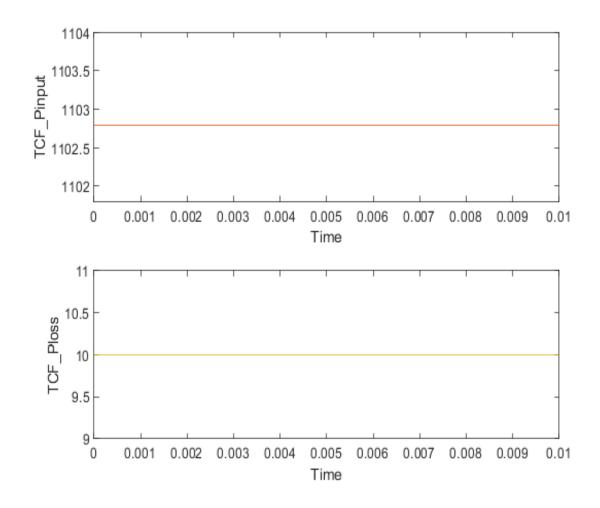
Input Data

Input Information

External Input Na EI09_SWUT_MIL_PwrTrqCalc_01 me:

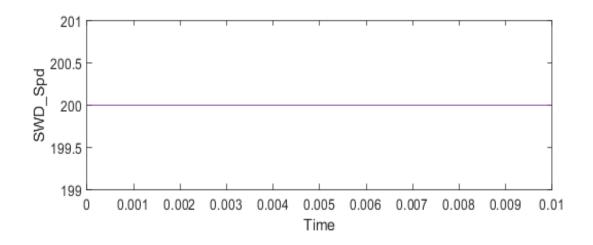
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_Pinput	single			zoh	union	<u>Link</u>
TCF_Ploss	single			zoh	union	<u>Link</u>
SWD_Spd	single	 		zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Pinput	single			zoh	union
TCF_Ploss	single			zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
SWD_Spd	single			zoh	union



Simulation

System Under Test Information

Model: SWC_TCF

Harness: SWC_TCF_Harness_PwrTrqCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Pw

rTrqCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PwrTrqCalc_01

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

Start Time: 0 Stop Time: 0.01

Checksum: 3263249330 1151797069 2461857464 4233512242

Simulink Version: 10.1 Model Version: 1.2

Model Author: dongliyuan

Date: Tue Jul 27 09:56:38 2021

User ID: dongliyuan

Model Path: E:\EI09 Project\ei09\03 Controller Models\02 Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\SWC_TCF.slx

Machine Name: MC-ZHANGJUNRENB Solver Name: FixedStepDiscrete

Solver Type: Fixed-Step Fixed Step Size: 0.0001

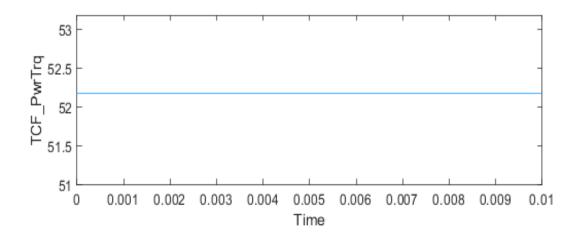
Simulation Start Time: 2021-12-18 19:24:22 Simulation Stop Time: 2021-12-18 19:24:23

Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_PwrTrq	single			zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync	
TCF_PwrTrq	single			zoh	union	



Simulation Logs:

Simulation stopped at '0.01' because there is no input data after this time point.

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EI09_SWUT_MIL_PwrTrqClc_02

Test Result Information

Result Type: Test Case Result

Parent: PwrTrqClc

Start Time: 2021-12-18 19:24:26 End Time: 2021-12-18 19:24:28

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PwrTrqClc_02

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_PwrTrqCalc_02

Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

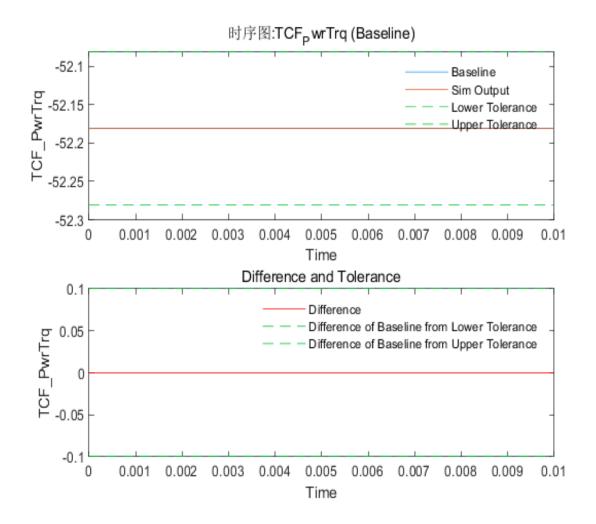
 $tform_Models \\ \label{eq:local_platform} In the local large of the l$

\TestCase_TCF.xlsx

Baseline Comparison

Name	Abs Tol			_		Data Type 1	Sample Time 1		Sample Time 2	Interp	Sync	Link to Plot
TCF_PwrT	0.1	 0 	0	0	3.81e-06	single		single		 zoh 	union 	<u>Link</u>

	Name	Abs	Rel	Lead	Lag	Max	Data T	Units	Sample	Data T	Units	Sample	Interp Sync
ı	Name	Tol	Tol	Tol	Tol	Diff	ype 1	1	Time 1	ype 2	2	Time 2	inter p Sync
Г	TCF_PwrT							\square			\Box		
		0.1	0	0	0	3.81e-06	single			single			zoh union
	rq												



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EI09_SWUT_MIL_PwrTrqCalc_02

Baseline Information

Baseline Name: EI09_SWUT_MIL_PwrTrqCalc_02

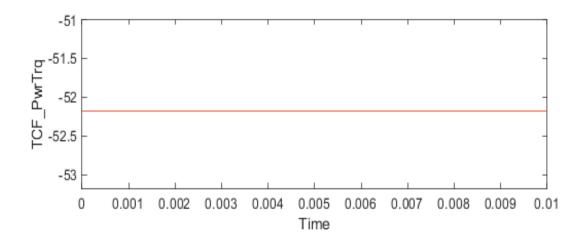
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link
			'			to Plot
TCF_PwrTrq	single			zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_PwrTrq	single			zoh	union



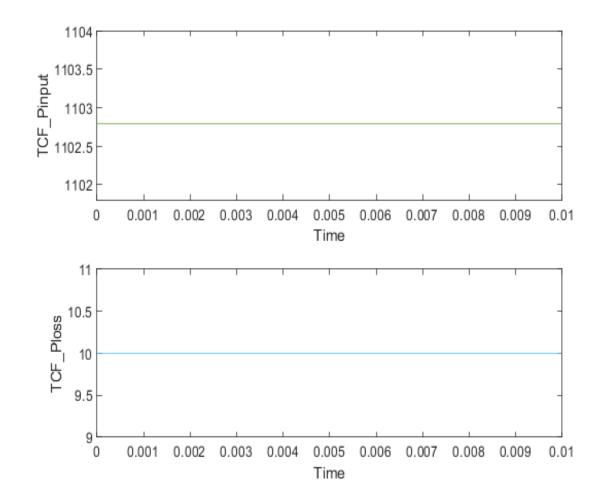
Input Data

Input Information

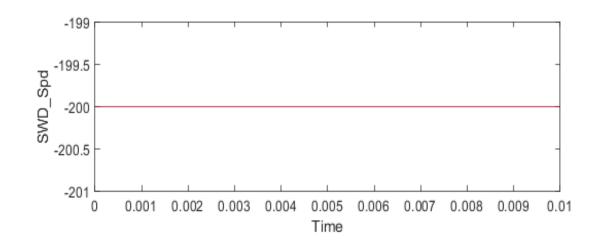
External Input Na EI09_SWUT_MIL_PwrTrqCalc_02 me:

Name	Data Type	Units Sample Time	Interp	Sync	Link	
				11102 P	0,1.0	to Plot
TCF_Pinput	single			zoh	union	<u>Link</u>
TCF_Ploss	single			zoh	union	<u>Link</u>
SWD_Spd	single			zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Pinput	single			zoh	union
TCF_Ploss	single			zoh	union



Name	Data Type	Units	Sample Time	Interp	Sync
SWD_Spd	single			zoh	union



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Simulation

System Under Test Information

Model: SWC_TCF

Harness: SWC_TCF_Harness_PwrTrqCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Pw

rTrqCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PwrTrqCalc_02

External Input File: E:\EI09 Project\ei09\03 Controller Models\02 Pla

 $tform_Models \verb|\01_Platformmodels\\| FS\\| TCF\\| TCF_V2$

\TestCase_TCF.xlsx

Start Time: 0 Stop Time: 0.01

Checksum: 3263249330 1151797069 2461857464 4233512242

Simulink Version: 10.1 Model Version: 1.2

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Date: Tue Jul 27 09:56:38 2021

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tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\SWC_TCF.slx

Machine Name: MC-ZHANGJUNRENB Solver Name: FixedStepDiscrete

Solver Type: Fixed-Step Fixed Step Size: 0.0001

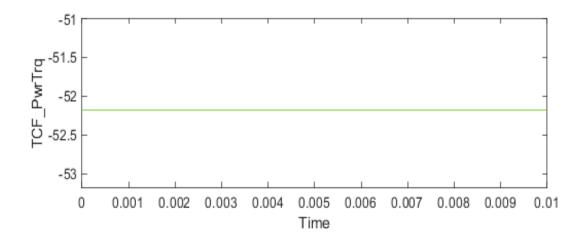
Simulation Start Time: 2021-12-18 19:24:26 Simulation Stop Time: 2021-12-18 19:24:26

Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link
1141110) F -		F		, ,,,,,	to Plot
TCF_PwrTrq	single			zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_PwrTrq	single			zoh	union



Simulation Logs:

Simulation stopped at '0.01' because there is no input data after this time point.

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