Report Generated by Test Manager

Title: TCF_PlossCalc MIL Test Report

Author:

Date: 19-Dec-2021 09:51:23

Test Environment

Platform: PCWIN64 MATLAB: (R2020a)

Summary

Name	Outcome	Duration (Seconds)
PlossClc	5 🗸	16.069
■ EI09_SWUT_MIL_PlossClc_01	•	2.232
■ EI09_SWUT_MIL_PlossClc_02	•	2.152
■ <u>EI09_SWUT_MIL_PlossClc_03</u>	Ø	2.239
■ <u>EI09_SWUT_MIL_PlossClc_04</u>	Ø	2.196
■ EI09_SWUT_MIL_PlossClc_05	•	2.172

PlossClc

Test Result Information

Result Type: Test Suite Result

Parent: None

Start Time: 2021-12-18 19:24:04 End Time: 2021-12-18 19:24:20 Outcome: Total: 5, Passed: 5

Test Suite Information

Name: PlossClc

Aggregated Coverage Results

Analyzed Model	Sim Mo	Complexity	Decision	Execution
	de			
SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/PlossCalc	Normal	5	100%	100%

Back to Report Summary

EI09 SWUT MIL PlossClc 01

Test Result Information

Result Type: Test Case Result

Parent: PlossClc

Start Time: 2021-12-18 19:24:04 End Time: 2021-12-18 19:24:07

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PlossClc_01

Type: Baseline Test

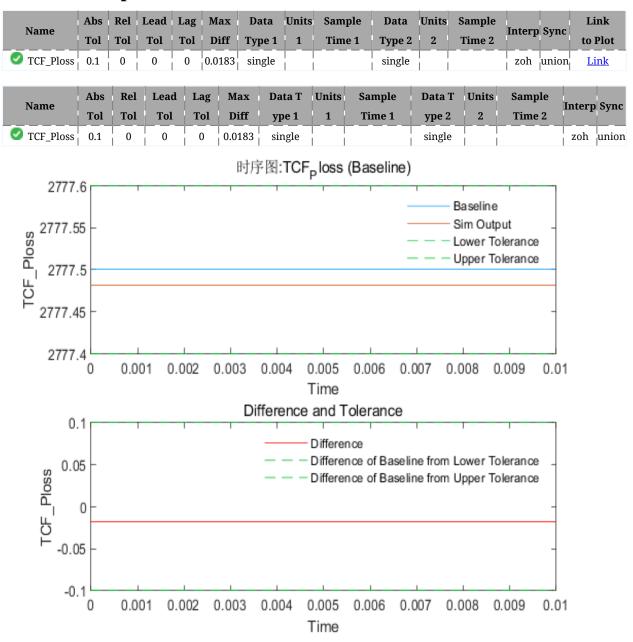
Baseline Name: EI09_SWUT_MIL_PlossCalc_01

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

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

\TestCase_TCF.xlsx

Baseline Comparison



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EI09_SWUT_MIL_PlossCalc_01

Baseline Information

Baseline Name: EI09_SWUT_MIL_PlossCalc_01

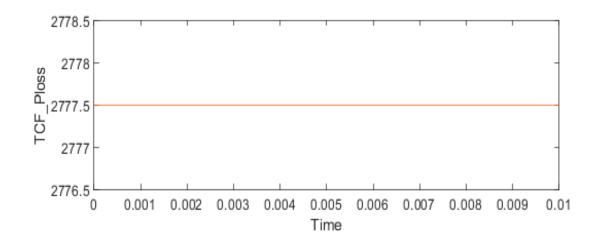
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

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

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



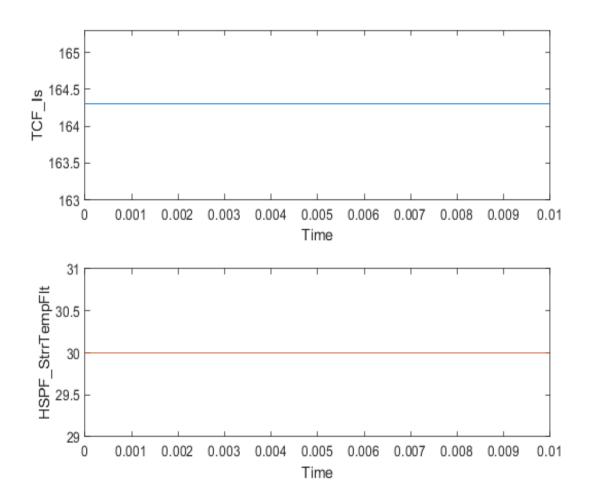
Input Data

Input Information

External Input Na EI09_SWUT_MIL_PlossCalc_01 me:

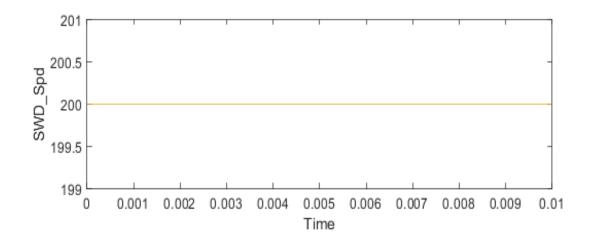
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_Is	single			zoh	union	<u>Link</u>
HSPF_StrrTempFlt	single			zoh	union	<u>Link</u>
SWD_Spd	single	 		zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Is	single			zoh	union
HSPF_StrrTempFlt	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_PlossCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Plo

ssCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PlossCalc_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: 3970578311 3426223835 3797694102 2428960911

Simulink Version: 10.1 Model Version: 1.3

Model Author: dongliyuan

Date: Tue Jul 27 10:13:46 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

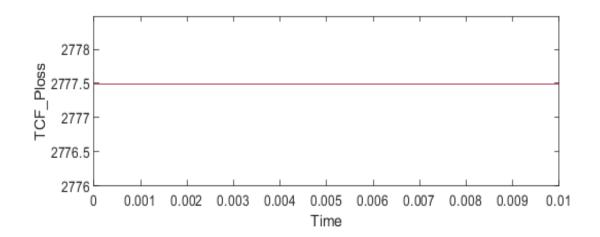
Simulation Start Time: 2021-12-18 19:24:04 Simulation Stop Time: 2021-12-18 19:24:05

Platform: PCWIN64

Simulation Output

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

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



Simulation Logs:

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

Back to Report Summary

 $EI09_SWUT_MIL_PlossClc_02$

Test Result Information

Result Type: Test Case Result

Parent: PlossClc

Start Time: 2021-12-18 19:24:08 End Time: 2021-12-18 19:24:10

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PlossClc_02

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_PlossCalc_02

Baseline File: E:\EIO9_Project\eiO9\03_Controller_Models\02_Pla

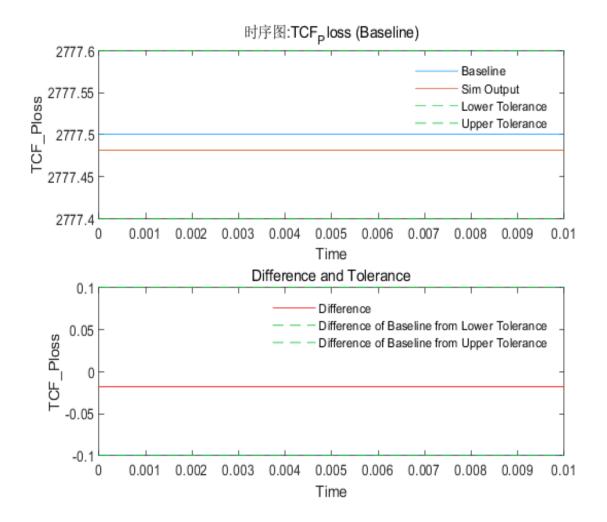
 $tform_Models \\ \label{local_platform} In the local l$

\TestCase_TCF.xlsx

Baseline Comparison

Name	Abs	Rel	Lead	Lag	Max		Units	Sample	Data	Units	Sample	Interp Sync	Link
	Tol	Tol	Tol	Tol	Diff	Type 1	1	Time 1	Type 2	2	Time 2		to Plot
TCF_Ploss	0.1	0	0	0	0.0183	single			single			zoh union	<u>Link</u>

Name	Abs	Rel	Lead	Lag	Max	Data T	Units	Sample	Data T	Units	Sample	Interp Sync
Name	Tol	Tol	Tol	Tol	Diff	ype 1	1	Time 1	ype 2	2	Time 2	interp sync
TCF_Ploss	0.1	0	0	0	0.0183	single			single			zoh union



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EI09_SWUT_MIL_PlossCalc_02

Baseline Information

Baseline Name: EI09_SWUT_MIL_PlossCalc_02

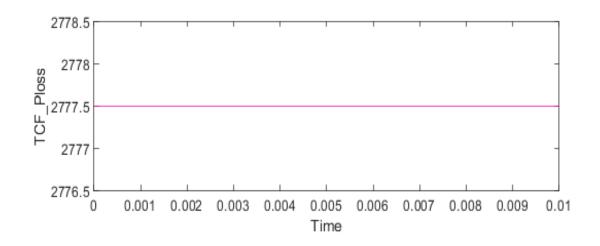
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

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

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



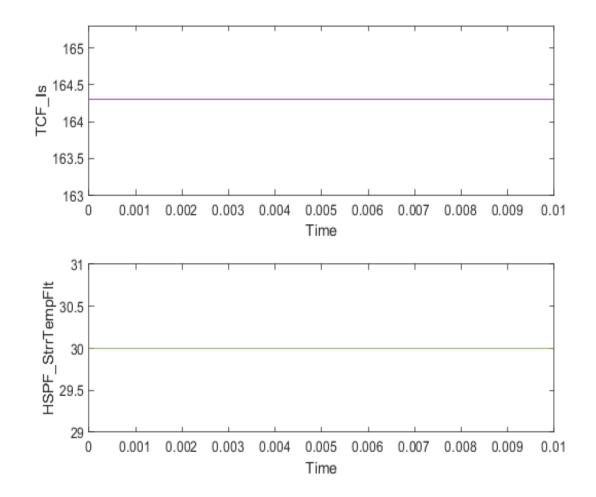
Input Data

Input Information

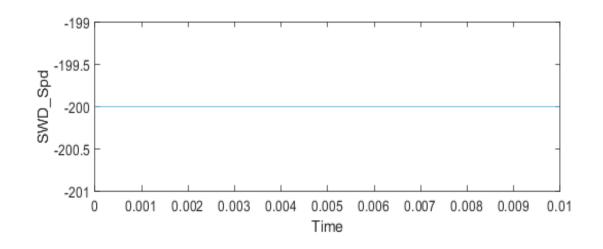
External Input Na EI09_SWUT_MIL_PlossCalc_02 me:

Name	Data Type	Units	Sample Time	Interp	Sync	Link
			<u> </u>			to Plot
TCF_Is	single	 		zoh	union	<u>Link</u>
HSPF_StrrTempFlt	single	_ L		zoh	union	<u>Link</u>
SWD_Spd	single			zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Is	single	 		zoh	union
HSPF_StrrTempFlt	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_PlossCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Plo

ssCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PlossCalc_02

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: 3970578311 3426223835 3797694102 2428960911

Simulink Version: 10.1 Model Version: 1.3

Model Author: dongliyuan

Date: Tue Jul 27 10:13:46 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

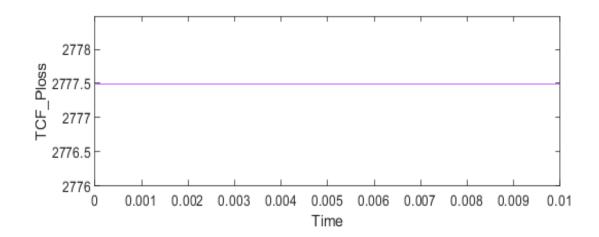
Simulation Start Time: 2021-12-18 19:24:08 Simulation Stop Time: 2021-12-18 19:24:08

Platform: PCWIN64

Simulation Output

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

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



Simulation Logs:

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

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 $EI09_SWUT_MIL_PlossClc_03$

Test Result Information

Result Type: Test Case Result

Parent: PlossClc

Start Time: 2021-12-18 19:24:11 End Time: 2021-12-18 19:24:13

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PlossClc_03

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_PlossCalc_03

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

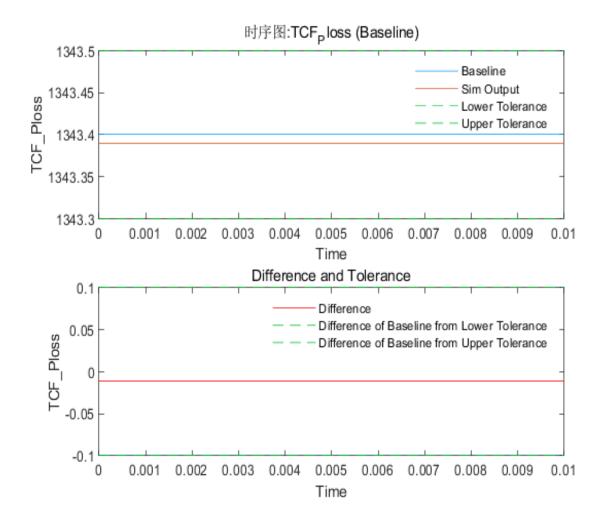
 $tform_Models \\ \label{local_platform} In the local l$

\TestCase_TCF.xlsx

Baseline Comparison

Name	Abs Tol	Rel 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
TCF_Ploss	0.1	0	0	0	0.011	single			single			zoh union	<u>Link</u>

Name	Abs	Rel	Lead	Lag	Max	Data T	Units	Sample	Data T	Units	Sample	Interp Sync	
	Tol	Tol	Tol	Tol	Diff	ype 1	1	Time 1	ype 2	2	Time 2	litterp sync	
	TCF_Ploss	0.1	0	0	0	0.011	single			single			zoh union



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EI09_SWUT_MIL_PlossCalc_03

Baseline Information

Baseline Name: EI09_SWUT_MIL_PlossCalc_03

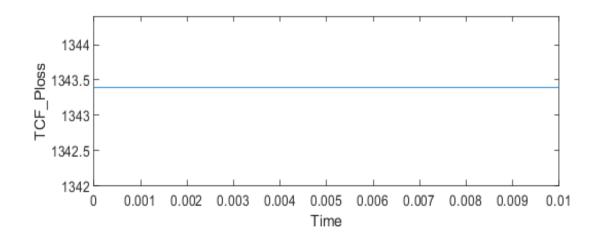
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

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

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



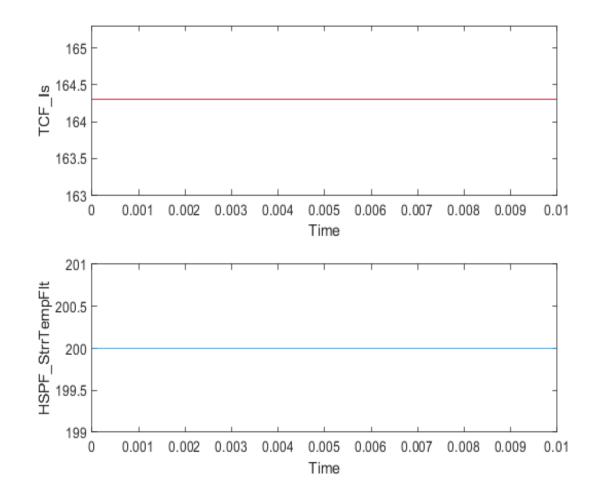
Input Data

Input Information

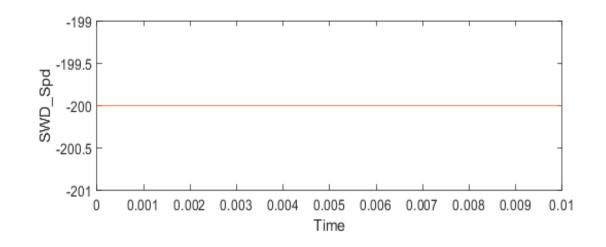
External Input Na EI09_SWUT_MIL_PlossCalc_03 me:

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

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Is	single	 		zoh	union
HSPF_StrrTempFlt	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_PlossCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Plo

ssCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PlossCalc_03

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: 3970578311 3426223835 3797694102 2428960911

Simulink Version: 10.1 Model Version: 1.3

Model Author: dongliyuan

Date: Tue Jul 27 10:13:46 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

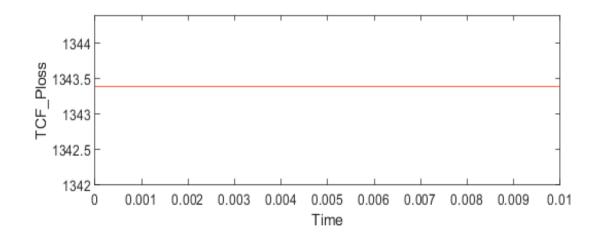
Simulation Start Time: 2021-12-18 19:24:11 Simulation Stop Time: 2021-12-18 19:24:12

Platform: PCWIN64

Simulation Output

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

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Ploss	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_PlossClc_04

Test Result Information

Result Type: Test Case Result

Parent: PlossClc

Start Time: 2021-12-18 19:24:15 End Time: 2021-12-18 19:24:17

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PlossClc_04

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_PlossCalc_04

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

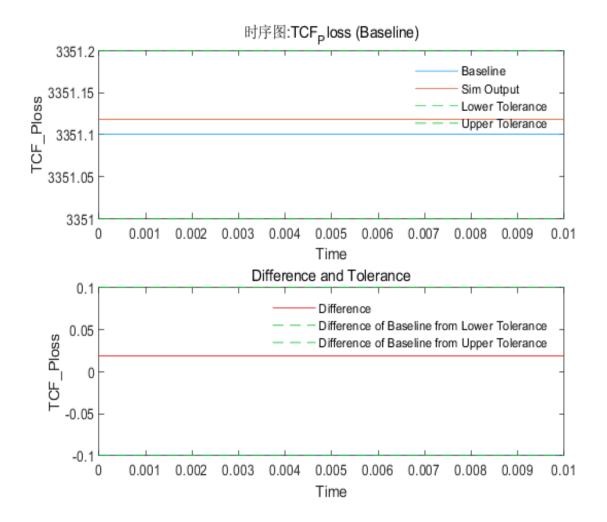
 $tform_Models \\ \label{eq:local_platform} I_{\text{CF}} \\ \label{eq:local_platform} TCF \\ \label{$

\TestCase_TCF.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol		Lag Tol	Max Diff	Data Type 1	Units 1	 Data Type 2	Units 2	Sample Time 2	Interp Sy	ync	Link to Plot	
TCF_Ploss	0.1	0	0	0	0.0186			 single			zoh ur	nion	<u>Link</u>	

Name	Abs	Rel	Lead	Lag	Max	Data T	Units	Sample	Data T	Units	Sample	Interp Sync	
	Tol	Tol	Tol	Tol	Diff	ype 1	1	Time 1	ype 2	2	Time 2	inter p 3yric	
	TCF_Ploss	0.1	0	0	0	0.0186	single			single			zoh union



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EI09_SWUT_MIL_PlossCalc_04

Baseline Information

Baseline Name: EI09_SWUT_MIL_PlossCalc_04

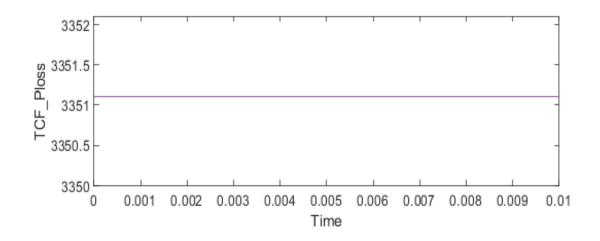
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

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

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



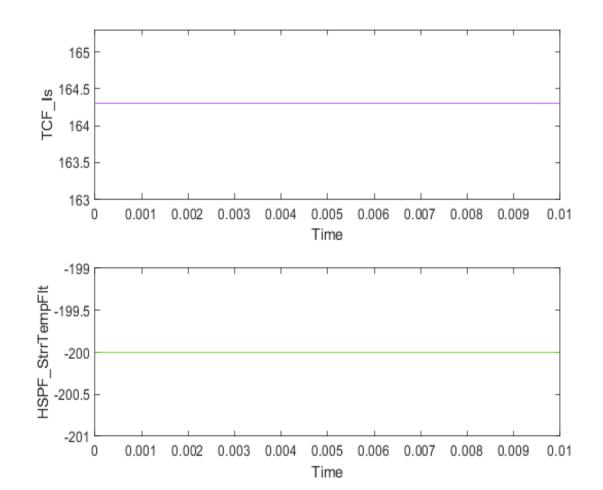
Input Data

Input Information

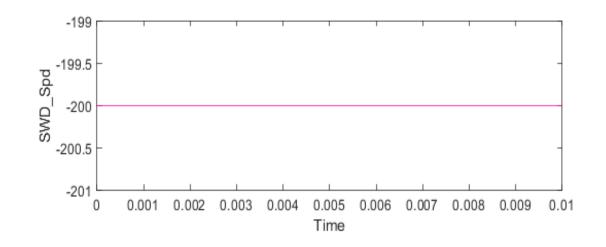
External Input Na EI09_SWUT_MIL_PlossCalc_04 me:

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

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Is	single	 		zoh	union
HSPF_StrrTempFlt	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_PlossCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Plo

ssCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PlossCalc_04

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: 3970578311 3426223835 3797694102 2428960911

Simulink Version: 10.1 Model Version: 1.3

Model Author: dongliyuan

Date: Tue Jul 27 10:13:46 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

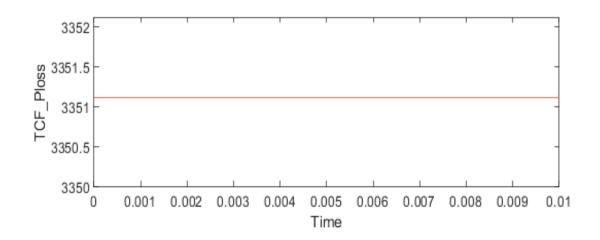
Simulation Start Time: 2021-12-18 19:24:15 Simulation Stop Time: 2021-12-18 19:24:15

Platform: PCWIN64

Simulation Output

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

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



Simulation Logs:

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

Back to Report Summary

EI09_SWUT_MIL_PlossClc_05

Test Result Information

Result Type: Test Case Result

Parent: PlossClc

Start Time: 2021-12-18 19:24:18 End Time: 2021-12-18 19:24:20

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_PlossClc_05

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_PlossCalc_05

Baseline File: E:\EIO9_Project\eiO9\03_Controller_Models\02_Pla

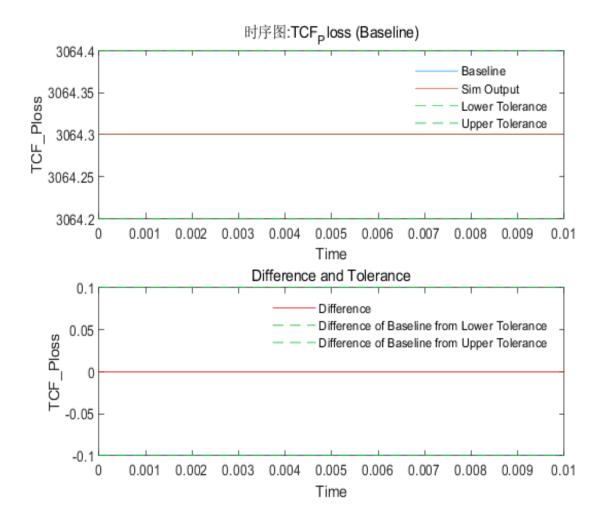
 $tform_Models \\ \label{local_platform} In the local l$

\TestCase_TCF.xlsx

Baseline Comparison

Name	Abs	Rel	Lead	Lag	Max		Units	Sample	Data	Units	Sample	Interp Sync	Link
	Tol	Tol	Tol	Tol	Diff	Type 1	1	Time 1	Type 2	2	Time 2	interp eyine	to Plot
TCF_Ploss	0.1	0	0	0	0	single			single			zoh union	<u>Link</u>

	Name	Abs	Rel	Lead	Lag	Max	Data T	Units	Sample	Data T	Units	Sample	Interp Sync
Ivaille	Tol	Tol	Tol	Tol	Diff	ype 1	1	Time 1	ype 2	2	Time 2	inter p 3yric	
	TCF_Ploss	0.1	0	0	0	0	single			single			zoh union



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EI09_SWUT_MIL_PlossCalc_05

Baseline Information

Baseline Name: EI09_SWUT_MIL_PlossCalc_05

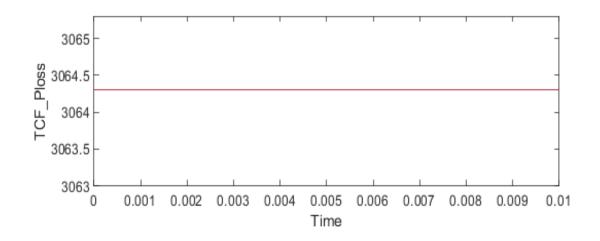
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

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

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



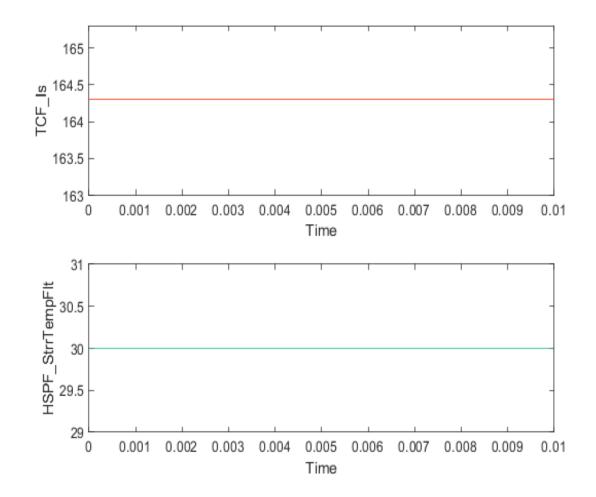
Input Data

Input Information

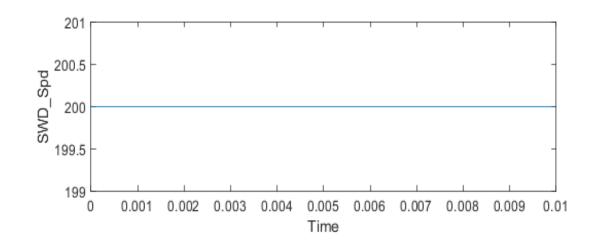
External Input Na EI09_SWUT_MIL_PlossCalc_05 me:

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

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_Is	single			zoh	union
HSPF_StrrTempFlt	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_PlossCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/PwrTrqCalcProc/Plo

ssCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_PlossCalc_05

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: 3970578311 3426223835 3797694102 2428960911

Simulink Version: 10.1 Model Version: 1.3

Model Author: dongliyuan

Date: Tue Jul 27 10:13:46 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 19:24:18 Simulation Stop Time: 2021-12-18 19:24:19

Platform: PCWIN64

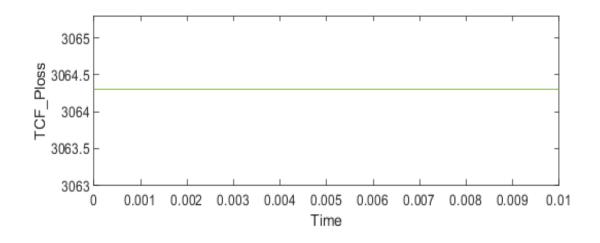
Parameter Overrides

Workspace Variab le	Value	Source	Model Element
Parameter Set 1		•	
CAL_TCF_flgUs ePlossCompa_b	0 (1x1 iEDS_Param eter.Parameter)	base workspace	SWC_TCF_Harness_PlossCal c/PlossCalc/CAL_TOM_flgUse PlossCompa_b

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_Ploss	single			zoh	union	Link

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



Simulation Logs:

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

Back to Report Summary