Report Generated by Test Manager

Title: TCF_LdSubLqCalc MIL Test Report

Author:

Date: 19-Dec-2021 09:56:32

Test Environment

Platform: PCWIN64 MATLAB: (R2020a)

Summary

Name	Outcome	Duration (Seconds)
LdSubLqClc	2	5.409
EI09_SWUT_MIL_LdSubLqClc_01	Ø	2.056
■ EI09 SWUT MIL LdSubLgClc 02	•	2.072

LdSubLqClc

Test Result Information

Result Type: Test Suite Result

Parent: None

Start Time: 2021-12-18 19:25:28 End Time: 2021-12-18 19:25:34 Outcome: Total: 2, Passed: 2

Test Suite Information

Name: LdSubLqClc

Aggregated Coverage Results

<u> </u>						
Analyzed Model	Sim M	Complexity	Decision	Condition	мсрс	Execution
	ode					
SWC_TCF/SWC_TCF_1ms_sys/CurrAgTrq	Normal	1	4.000/	4.000/	4000/	1000/
CalcProc/LdsubLqCalc		4	100%	100%	100%	100%
	*	7	~		Y	Y

Back to Report Summary

EI09_SWUT_MIL_LdSubLqClc_01

Test Result Information

Result Type: Test Case Result Parent: LdSubLqClc

Start Time: 2021-12-18 19:25:28 End Time: 2021-12-18 19:25:30

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_LdSubLqClc_01

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_LdsubLqCalc_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	bs Rel	Lead Tol		Max Diff	Data Type 1	Units 1	Samp		oata Uni		imple	Interp	Sync	Link to Plot
TCF_Ldsu 0	.1 0	0	0 7.4	42e-05 	single			si	ngle			zoh	union	Link
Name	abs Rel			Max Diff	Dat yp		Units	Sample Time 1		ta T I	Units 2	Samp Time	I	nterp Sync
TCF_Ldsu bLq).1 0 	 0 	 0 	 7.42e-0 	 	gle	 		 sin	ngle 	 		 	zoh union
0.4				时序	·图:T(CF _L ds	subLq	(Base	eline)					
0.05 - CE_LdsubLq	-							'		— Sim	seline n Outpu ver Tok per Tok	erance		
-0.05 -0.1	0.0	001 0).002	0.003	0.00	4 0	005	0.006	0.007	0.00	18 0.0	009	0.01	
	, 0.0	, , ,				Т	ime			0.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.01	
0.1		1	-		iffere	nce a	nd To	olerand	ce			ı	_	
TCF_LdsubLq	_				=	— — D		ce of Ba	aseline fro aseline fro					
J -0.05	_												-	
-0.1 ⁰	0.0	001 0	0.002	0.003	0.00		005 ime	0.006	0.007	0.00	0.0	009	0.01	

Back to Report SummaryBack to Criteria Results

$EI09_SWUT_MIL_LdsubLqCalc_01$

Baseline Information

Baseline Name:

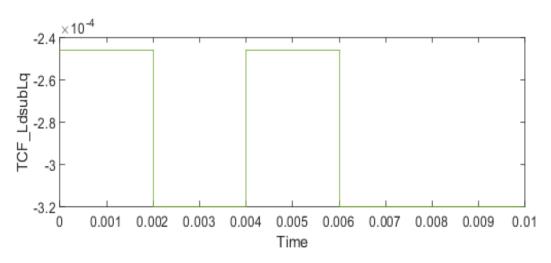
Baseline File:

 $EI09_SWUT_MIL_LdsubLqCalc_01\\ E:\EI09_Project\ei09\03_Controller_Models\02_Pla\\ tform_Models\01_Platformmodels\FS\TCF\TCF_V2\\$

\TestCase_TCF.xlsx

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

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



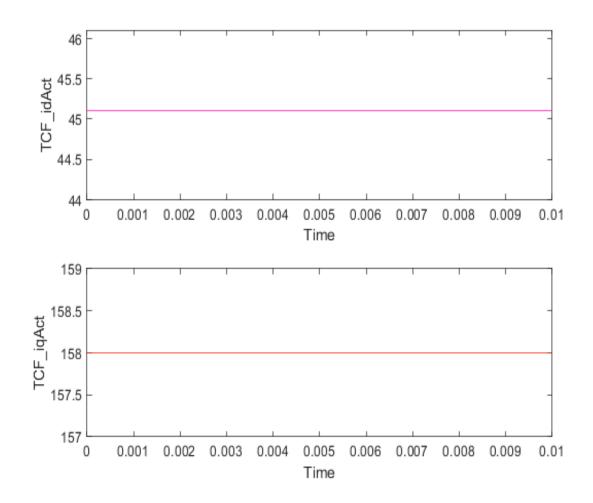
Input Data

Input Information

External Input Na EI09_SWUT_MIL_LdsubLqCalc_01 me:

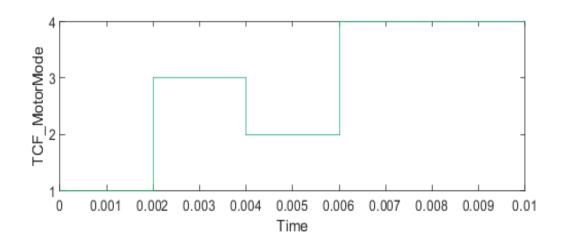
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_idAct	single			zoh	union	<u>Link</u>
TCF_iqAct	single			zoh	union	<u>Link</u>
TCF_MotorMode	uint8	 		zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_idAct	single			zoh	union
TCF_iqAct	single			zoh	union



Back to Report SummaryBack to Signal Summary

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



Simulation

System Under Test Information

Model: SWC_TCF

Harness: SWC_TCF_Harness_LdsubLqCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/CurrAgTrqCalcPro

c/L dsubLq Calc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_LdsubLqCalc_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: 3612713788 985290897 4022507329 1567051223

Simulink Version: 10.1 Model Version: 1.2

Model Author: dongliyuan

Date: Tue Jul 27 13:50:00 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: 0.001

Fixed Step Size: 0.001 Simulation Start Time: 2021-12-18 19:25:28

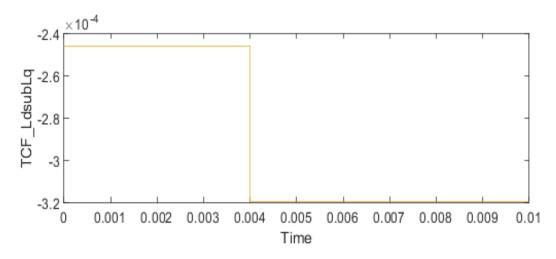
Simulation Start Time. 2021-12-18 19:25:29

Platform: PCWIN64

Simulation Output

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

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



Simulation Logs:

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

Back to Report Summary

 $EI09_SWUT_MIL_LdSubLqClc_02$

Test Result Information

Result Type: Test Case Result Parent: LdSubLqClc

Start Time: 2021-12-18 19:25:32 End Time: 2021-12-18 19:25:34

Outcome: Passed

Test Case Information

Name: EI09_SWUT_MIL_LdSubLqClc_02

Type: Baseline Test

Baseline Name: EI09_SWUT_MIL_LdsubLqCalc_02

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

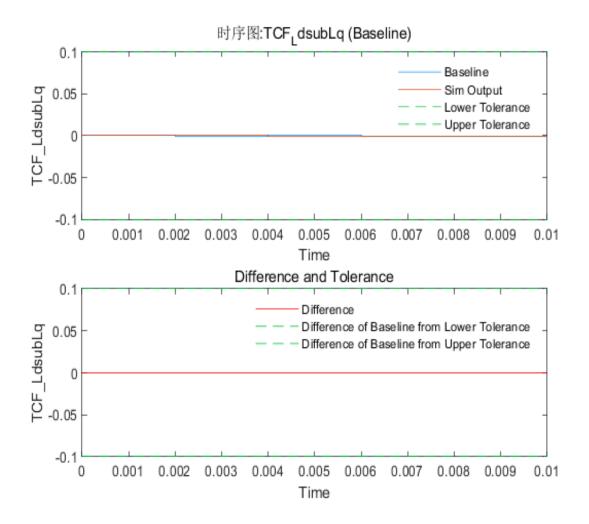
 $tform_Models \\ \label{eq:local_platform} In the local large of the l$

\TestCase_TCF.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Sample Time 1	Data Type 2	Sample Time 2	Interp	Sync	Link to Plot
TCF_Ldsu bLq	0.1	0	0	0	7.42e-05	single		single		zoh	union 	<u>Link</u>

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data T ype 1	Units 1	Sample Time 1	Data T ype 2	Units 2	Sample Time 2	Interp Sync
TCF_Ldsu bLq	0.1 	0 	0 	0 	 7.42e-05 	single			single			zoh union



Back to Report SummaryBack to Criteria Results

EI09_SWUT_MIL_LdsubLqCalc_02

Baseline Information

Baseline Name: EI09_SWUT_MIL_LdsubLqCalc_02

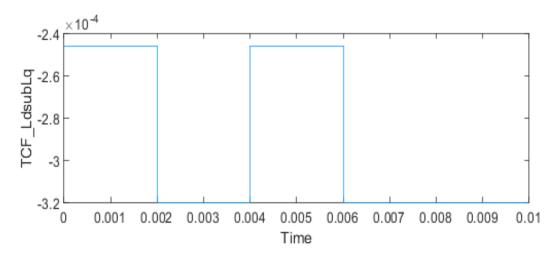
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Pla

tform_Models\01_Platformmodels\FS\TCF\TCF_V2

\TestCase_TCF.xlsx

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

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



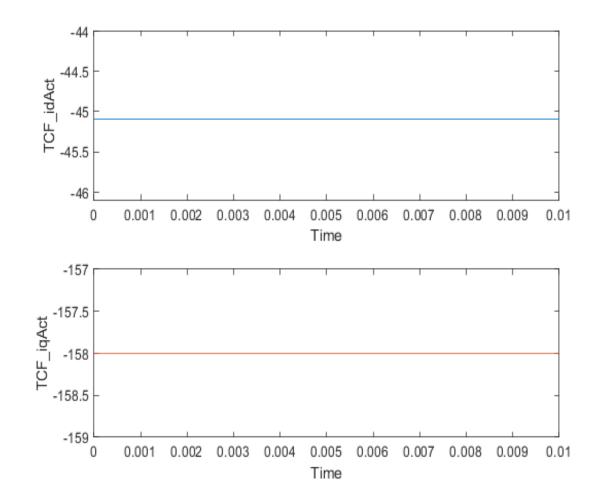
Input Data

Input Information

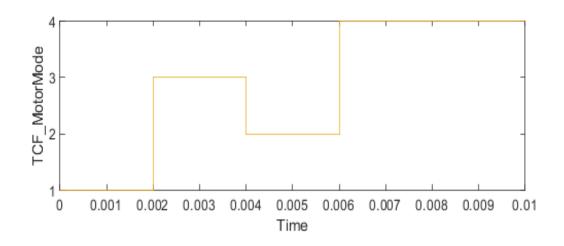
External Input Na EI09_SWUT_MIL_LdsubLqCalc_02 me:

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_idAct	single			zoh	union	Link
TCF_iqAct	single			zoh	union	Link
TCF_MotorMode	uint8			zoh	union	Link

Na	me	Data Type	Units	Sample Time	Interp	Sync
TCF_idAc	t	single			zoh	union
TCF_iqAc	t — — — —	single		 	zoh	union



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



Back to Report SummaryBack to Signal Summary

Simulation

System Under Test Information

Model: SWC_TCF

Harness: SWC_TCF_Harness_LdsubLqCalc

Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/CurrAgTrqCalcPro

c/LdsubLqCalc

Simulation Mode: normal

Override SIL or PIL Mod 0

e:

Configuration Set: Configuration 1

External Input Name: EI09_SWUT_MIL_LdsubLqCalc_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: 3612713788 985290897 4022507329 1567051223

Simulink Version: 10.1 Model Version: 1.2

Model Author: dongliyuan

Date: Tue Jul 27 13:50:00 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: 0.001

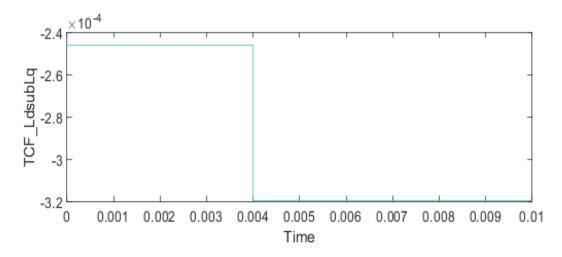
Simulation Start Time: 2021-12-18 19:25:32 Simulation Stop Time: 2021-12-18 19:25:32

Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link
	= 1) p c	Sumpre 12200	P		to Plot	
TCF_LdsubLq	single			zoh	union	<u>Link</u>

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



Simulation Logs:

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

Back to Report Summary