Report Generated by Test Manager

Title:	**TCF_TrqCalCEnable MIL Test Report**
Author:	
Date:	**19-Dec-2021 10:01:50**

Test Environment

Platform:	PCWIN64
MATLAB:	(R2020a)

Summary

Name	Outcome	Duration (Seconds)
📁 TrqCalcEnable	✅	2.648
📄 TrqCalEnable	✅	2.649

TrqCalcEnable

Test Result Information

Result Type: Test Suite Result
Parent: None
Start Time: 2021-12-18 19:26:27
End Time: 2021-12-18 19:26:30
Outcome: Total: 1, Passed: 1

Test Suite Information

Name: TrqCalcEnable

Aggregated Coverage Results

Analyzed Model	Sim Mode	Complexity	Condition	Execution
SWC_TCF/SWC_TCF_1ms_sys/TrqCalcEnable	Normal	1	100%	100%

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TrqCalEnable

Test Result Information

Result Type: Test Case Result
Parent: TrqCalcEnable
Start Time: 2021-12-18 19:26:27
End Time: 2021-12-18 19:26:30
Outcome: Passed

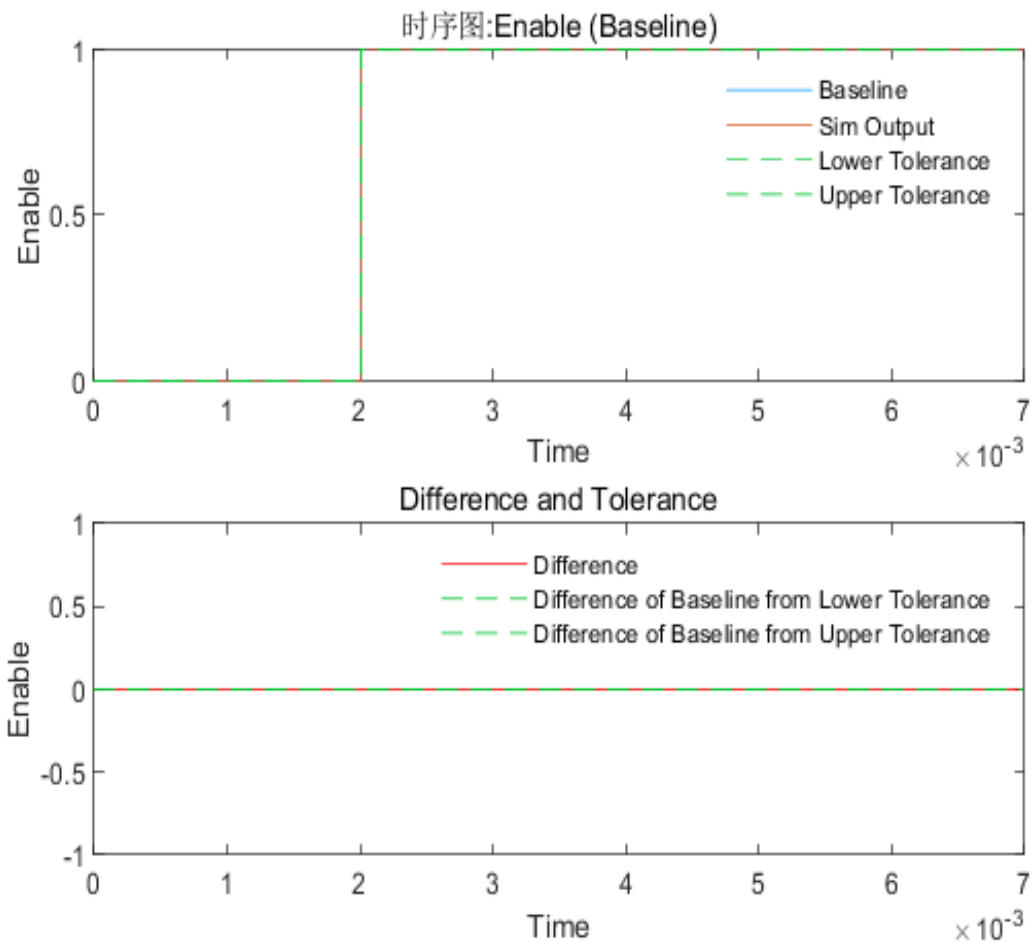## Test Case Information

Name: TrqCalEnable
Type: Baseline Test
Baseline Name: EI09_SWUT_MIL_TrqCalcEnable_01
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.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
Enable	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
✅ Enable	0.1	0	0	0	0	boolean			boolean			zoh	union

时序图:Enable (Baseline)

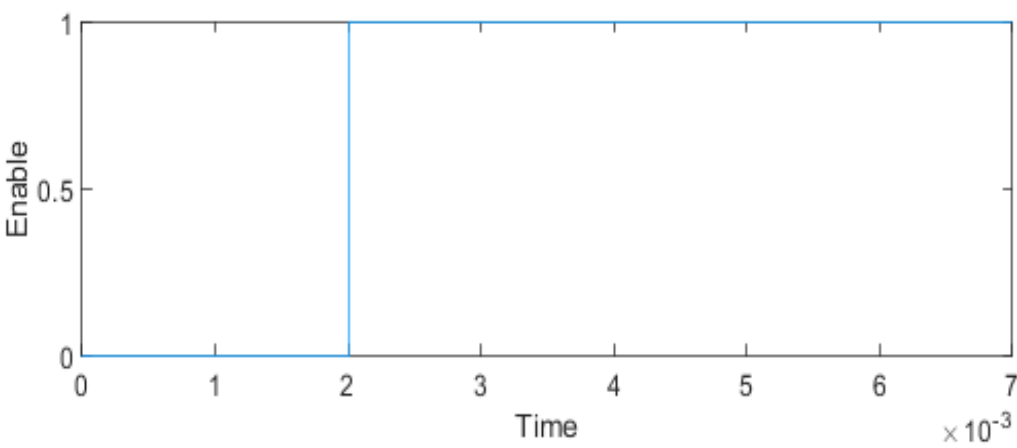Difference and Tolerance

EI09_SWUT_MIL_TrqCalcEnable_01

Baseline Information

Baseline Name: EI09_SWUT_MIL_TrqCalcEnable_01
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Enable	boolean			zoh	union	[Link](#)

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

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Input Data

Input Information

External Input Name:	EI09_SWUT_MIL_TrqCalcEnable_01

External Input 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
L2Com_ModeReq	uint8			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
L2Com_ModeReq	uint8			zoh	union

Simulation

System Under Test Information

Model: SWC_TCF
Harness: SWC_TCF_Harness_TrqCalcEnable
Harness Owner: SWC_TCF/SWC_TCF_1ms_sys/TrqCalcEnable
Simulation Mode: normal
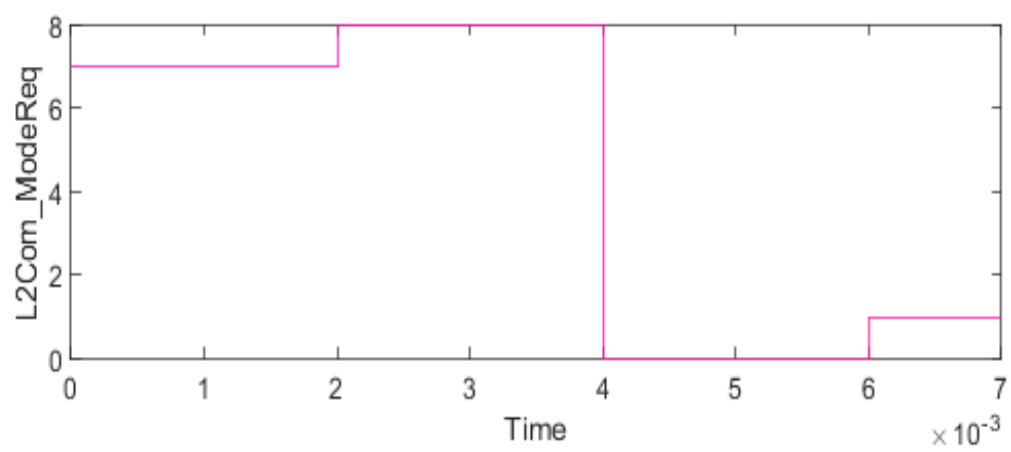Override SIL or PIL Mode: 0
Configuration Set: Configuration1
External Input Name: EI09_SWUT_MIL_TrqCalcEnable_01
External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.xlsx
Start Time: 0
Stop Time: 0.0070000000000000001
Checksum: 4006906115 2644350155 3070539611 704244484
Simulink Version: 10.1
Model Version: 1.1
Model Author: dongliyuan
Date: Tue Dec 07 16:28:48 2021
User ID: dongliyuan
Model Path: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_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 19:26:27
Simulation Stop Time: 2021-12-18 19:26:28
Platform: PCWIN64

Simulation Output

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

Name	Data Type	Units	Sample Time	Interp	Sync
Enable	boolean			zoh	union
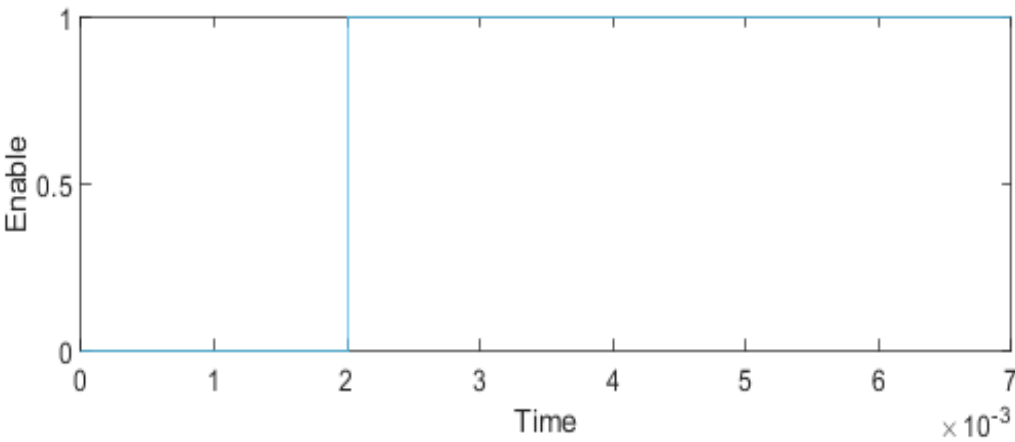
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Simulation Logs:
Simulation stopped at '0.0070000000000000001' because there is no input data after this time point.

Symbol 'CAL_TCF_AgTrqTubeCAy_af32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_HiSpdDirStop_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_HiTrqDirStop_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_IsPwrLosCAx_af32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_LdSubLqCAzGen_af32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_LdSubLqCAzMot_af32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_LdSubLqIdCAx_af32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_LdSubLqIqCAy_af32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_LoSpdDirStop_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_LoTrqDirStop_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_MotorPole_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_NPwrLosCAy_af32' is defined
in SWC_TCF_DataDictionary.sldd and base workspace. The definition
in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_Psi_f32' is defined in SWC_TCF_DataDictionary.sldd and base
workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_PwrLossCAz_af32' is defined in SWC_TCF_DataDictionary.sldd
and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_PwrTrqSpdCompa_af32' is defined
in SWC_TCF_DataDictionary.sldd and base workspace. The definition
in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_PwrTrqTubeCAy_af32' is defined
in SWC_TCF_DataDictionary.sldd and base workspace. The definition
in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_SpeedCtlMode_u8' is defined in SWC_TCF_DataDictionary.sldd
and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TempStrMax_f32' is defined in SWC_TCF_DataDictionary.sldd
and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TempStrMin_f32' is defined in SWC_TCF_DataDictionary.sldd
and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TempStrPlossFact_f32' is defined
in SWC_TCF_DataDictionary.sldd and base workspace. The definition
in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TrqCalcMonCountTrh_s16' is defined
in SWC_TCF_DataDictionary.sldd and base workspace. The definition
in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TrqCalcMonDebTrh_s16' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TrqCalcMonErrRst_b' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TrqInvalid_s16' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_TrqTubeNCAx_af32' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'CAL_TCF_flgUsePlossCompa_b' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_BwELect_u8' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_BwGene_u8' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_CircAge_f32' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_DigtValue_u16' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_FwELect_u8' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_FwGene_u8' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_MotorBw_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_MotorFw_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_MotorStop_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_NegvTrq_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_PosvTrq_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'GLB_TCF_ZeroTrq_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'Tbl_cos_table' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'Tbl_sin_table' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_HSPF_StrrTempFlt_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_L2Sampling_DycUMon_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_L2Sampling_DycVMon_f32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_L2Sampling_DycWMon_f32' is defined
in [SWC_TCF_DataDictionary.sldd](#) and [base workspace](#). The definition
in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_BlendTrq_f32' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_CurrAgTrq1_f32' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_CurrAgTrqTubeH1_f32' is defined
in [SWC_TCF_DataDictionary.sldd](#) and [base workspace](#). The definition
in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_CurrAgTrqTubeL1_f32' is defined
in [SWC_TCF_DataDictionary.sldd](#) and [base workspace](#). The definition
in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_Is_f32' is defined in [SWC_TCF_DataDictionary.sldd](#) and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_LdsubLq_f32' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_MotorMode_u8' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_Pinput_f32' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_Ploss_f32' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_PwrTrq1_f32' is defined in [SWC_TCF_DataDictionary.sldd](#)
and [base workspace](#). The definition in [SWC_TCF_DataDictionary.sldd](#) is used.

Symbol 'VAR_TCF_PwrTrqTubeH1_f32' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_PwrTrqTubeL1_f32' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_TrqCalcErr_b' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_TrqCalcMonRslt_b' is defined
 in SWC_TCF_DataDictionary.sldd and base workspace. The definition
 in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_TrqDir_u8' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_idAct_f32' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_iqAct_f32' is defined in SWC_TCF_DataDictionary.sldd
 and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'VAR_TCF_nDir_u8' is defined in SWC_TCF_DataDictionary.sldd and base workspace
 workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

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

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

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

Symbol 'sint16' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'sint32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'sint64' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'sint8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'uint16' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'uint32' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'uint64' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.

Symbol 'uint8' is defined in SWC_TCF_DataDictionary.sldd and base workspace. The definition in SWC_TCF_DataDictionary.sldd is used.