Report Generated by Test Manager

Title: **EcoCar Challenge Test Results**
Author: **CJ Nour**
Date: **06-Oct-2024 07:12:56**

Test Environment

Platform: PCWIN64
MATLAB: (R2023a)

Summary

Name	Outcome	Duration (Seconds)
Indicator Board Test Suite	15 ✓	24.565
IB1_1_PropulsionLightOn	✓	2.094
IB1_2_PropulsionLightFlashing	✓	1.831
IB1_3_PropulsionLightOff	✓	1.951
IB2_1_HVLightOn	✓	2.431
IB2_2_HVLightFlashing	✓	1.373
IB2_3_HVLightOff	✓	1.458
IB3_1_CAVLongLightOn	✓	1.47
IB3_2_CAVLongLightFlashing	✓	1.952
IB3_3_CAVLongLightOff	✓	1.418
IB4_1_CAVLatLightOn	✓	1.372
IB4_2_CAVLatLightFlashing	✓	1.447
IB4_3_CAVLatLightOff	✓	1.375
IB5_1_CAVV2XLightOn	✓	1.384
IB5_2_CAVV2XLightFlashing	✓	1.36
IB5_3_CAVV2XLightOff	✓	1.351

Indicator Board Test Suite

Test Result Information

Result Type:	Test Suite Result
Parent:	None
Start Time:	06-Oct-2024 07:10:11
End Time:	06-Oct-2024 07:10:35
Outcome:	Total: 15, Passed: 15

Test Suite Information

Name:	Indicator Board Test Suite

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IB1_1_PropulsionLightOn

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:11
End Time:	06-Oct-2024 07:10:13
Outcome:	Passed

Test Case Information

Name:	IB1_1_PropulsionLightOn
Type:	Baseline Test

Test Case Requirements

Description:	IB1.1 Propulstion System Status LED On; this should illuminate whenever full torque is available. I.e., when any drive mode is enabled.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
PropLightOn	At any point in time, whenever ((((PropSysEnabled == 1) & (PropFaults == 0)) & (EDUFaults == 0)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (PropSysStatusLED == 1) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	4045068422 1044899353 505823371 3461865318
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:11
Simulation Stop Time:	2024-10-06 07:10:12
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB1_2_PropulsionLightFlashing

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:13
End Time:	06-Oct-2024 07:10:15
Outcome:	Passed

Test Case Information

Name:	IB1_2_PropulsionLightFlashing
Type:	Baseline Test

Test Case Requirements

Description:	IB1.2 Propulstion System Status LED Flashing; when faults are present that prevents the use of the propulsions system.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
PropLightFlashing	At any point in time, whenever ((PropulsionSystemFaults == 1) | (EDUFaults == 1)) is true then, with a delay of at most 0.002 seconds, (PropulsionStatusLED == 2) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	1356616883 170048704 1615786107 3951249598
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:13
Simulation Stop Time:	2024-10-06 07:10:14
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB1_3_PropulsionLightOff

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:15
End Time:	06-Oct-2024 07:10:17
Outcome:	Passed

Test Case Information

Name:	IB1_3_PropulsionLightOff
Type:	Baseline Test

Test Case Requirements

Description:	IB1.3 Propulstion System Status LED Off; when the vehicle is unable to respond to control inputs.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
PropLightOff	At any point in time, whenever ((PropulsionSystemEnabled == 0) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (PropulsionStatusLED == 0) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration

External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	3350094393 2633409488 3604465181 687730819
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:15
Simulation Stop Time:	2024-10-06 07:10:16
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB2_1_HVLightOn

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:17

End Time: 06-Oct-2024 07:10:19
Outcome: Passed

Test Case Information

Name: IB2_1_HVLightOn
Type: Baseline Test

Test Case Requirements

Description: IB2.1 HV System Status LED On; this should illuminate when the energy storage system contactors are closed and energy storage system is able to provide current to a drive system, without fault, or facilitate on-plug charging.
Document: ../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
HVLightOn	At any point in time, whenever (((BatteryContactorStatus == 2) & (Faults == 0)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (HVStatusLight == 1) must be true

Simulation

System Under Test Information

Model: IndicatorBoard
Release: Current
Simulation Mode: normal
Override SIL or PIL Mode: 0
Configuration Set: Configuration
External Input Name: IB_in_rn_testn.mat
External Input File: C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time: 0
Stop Time: 22
Checksum: 193040814 823645077 2364969273 919585180

Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:17
Simulation Stop Time:	2024-10-06 07:10:18
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB2_2_HVLightFlashing

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:19
End Time:	06-Oct-2024 07:10:20
Outcome:	Passed

Test Case Information

Name:	IB2_2_HVLightFlashing
Type:	Baseline Test

Test Case Requirements

Description: IB2.1 HV System Status LED On; this should illuminate when the energy storage system contactors are closed and energy storage system is able to provide current to a drive system, without fault, or facilitate on-plug charging.
Document: ../RequirementSets/IndicatorBoard.slreqx

Description: IB2.2 HV System Status LED Flashing; Ground Fault Indicator: Illuminated within 60s of when the vehicle ground fault monitor detects a ground fault.
Document: ../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
HVLightFlashing	At any point in time, if (IsoFault == 1) becomes true then, with a delay of at most 2 seconds, (HVStatusLight == 2) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	2427779283 517008187 3745132780 322164358
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb

Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:19
Simulation Stop Time:	2024-10-06 07:10:20
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB2_3_HVLightOff

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:20
End Time:	06-Oct-2024 07:10:22
Outcome:	Passed

Test Case Information

Name:	IB2_3_HVLightOff
Type:	Baseline Test

Test Case Requirements

Description: IB2.3 HV System Status LED Off; when Energy storage system Contactors are open

Document: ../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
HVLightOffAssessment	At any point in time, whenever ((BatteryContactorStatus == 0) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (HVStatusLight == 0) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	2673866933 1472777648 1143944721 1919492166
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:20
Simulation Stop Time:	2024-10-06 07:10:22

Platform: PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB3_1_CAVLongLightOn

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:22
End Time:	06-Oct-2024 07:10:23
Outcome:	Passed

Test Case Information

Name:	IB3_1_CAVLongLightOn
Type:	Baseline Test

Test Case Requirements

Description:	IB3.1 CAV Longitudinal Control Status On; this should illuminate when the longitudinal CAV system is connected and able to communicate with the CSC - must be illuminated to initialize any longitudinal CAV feature.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVLongLightOn	At any point in time, whenever ((((Autera12V == 1) & (CAV_LongCntrlLightCmd == 1)) & (CAV_LongCtrl_Switch == 1)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_Long_Cntrl_Status_Light == 1) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	2168583715 678962755 1631663984 832164231
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:22
Simulation Stop Time:	2024-10-06 07:10:23
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB3_2_CAVLongLightFlashing

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:23
End Time:	06-Oct-2024 07:10:25
Outcome:	Passed

Test Case Information

Name:	IB3_2_CAVLongLightFlashing
Type:	Baseline Test

Test Case Requirements

Description:	IB3.2 CAV Longitudinal Control Status Flashing; when faults are present that prevents the use of any longitudinal control feature.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVLongLightFlashing	At any point in time, whenever ((((Autera12V == 1) & (CAV_LongCtrl_Switch == 1)) & (CAV_LongLightCntrlCmd == 2)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_Long_Cntrl_Status_Light == 2) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	2168583715 678962755 1631663984 832164231
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:23
Simulation Stop Time:	2024-10-06 07:10:25
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB3_3_CAVLongLightOff

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:25
End Time:	06-Oct-2024 07:10:27
Outcome:	Passed

Test Case Information

Name:	IB3_3_CAVLongLightOff
Type:	Baseline Test

Test Case Requirements

Description:	IB3.3 CAV Longitudinal Control Status Off; when the “CAV Longitudinal Control” switch is in the off position.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVLongLightOff	At any point in time, whenever ((((Autera12V == 0) & (CAV_LongCntrlLightCmd == 0)) & (CAV_LongCtrl_Switch == 0)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_Long_Cntrl_Status_Light == 0) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0

Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	2168583715 678962755 1631663984 832164231
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:25
Simulation Stop Time:	2024-10-06 07:10:26
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB4_1_CAVLatLightOn

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite

Start Time: 06-Oct-2024 07:10:27
End Time: 06-Oct-2024 07:10:28
Outcome: Passed

Test Case Information

Name: IB4_1_CAVLatLightOn
Type: Baseline Test

Test Case Requirements

Description: IB4.1 CAV Lateral Control Status On; this should illuminate when the lateral CAV system is connected and able to communicate with the CSC - must be illuminated to initialize any lateral CAV feature.
Document: ../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVLatLightOn	At any point in time, whenever ((((Autera12V == 1) & (CAV_LatCntrl_Switch == 1)) & (CAV_LatCntrlLightCmd == 1)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_Lat_Cntrl_Status_Light == 1) must be true

Simulation

System Under Test Information

Model: IndicatorBoard
Release: Current
Simulation Mode: normal
Override SIL or PIL Mode: 0
Configuration Set: Configuration
External Input Name: IB_in_rn_testn.mat
External Input File: C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time: 0

Stop Time:	22
Checksum:	215541908 3047247409 1999101658 1444904789
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:27
Simulation Stop Time:	2024-10-06 07:10:28
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB4_2_CAVLatLightFlashing

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:28
End Time:	06-Oct-2024 07:10:30
Outcome:	Passed

Test Case Information

Name: IB4_2_CAVLatLightFlashing
Type: Baseline Test

Test Case Requirements

Description: IB4.2 CAV Lateral Control Status Flashing; when faults are present that prevents the use of any lateral control feature.
Document: ../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVLatLightFlashing	At any point in time, whenever ((((Autera12V == 1) & (CAV_LatCtrl_Switch == 1)) & (CAV_LatCntrlLightCmd == 2)) & (IBActive == 1)) is true then, with a delay of at most 0.5 seconds, (CAV_Lat_Cntrl_Status_Light == 2) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	215541908 3047247409 1999101658 1444904789
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden

Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:28
Simulation Stop Time:	2024-10-06 07:10:29
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB4_3_CAVLatLightOff

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:30
End Time:	06-Oct-2024 07:10:31
Outcome:	Passed

Test Case Information

Name:	IB4_3_CAVLatLightOff
Type:	Baseline Test

Test Case Requirements

Description:	IB4.3 CAV Lateral Control Status Off; when the “CAV Lateral Control” switch is in the off position.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVLatLightOff	At any point in time, whenever ((((Autera12V == 0) & (CAV_LatCntrlLightCmd == 0)) & (CAV_LatCtrl_Switch == 0)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_Lat_Cntrl_Status_Light == 0) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	215541908 3047247409 1999101658 1444904789
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:30
Simulation Stop Time:	2024-10-06 07:10:31
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB5_1_CAVV2XLightOn

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:31
End Time:	06-Oct-2024 07:10:32
Outcome:	Passed

Test Case Information

Name:	IB5_1_CAVV2XLightOn
Type:	Baseline Test

Test Case Requirements

Description:	IB5.1 CAV V2X Status On; this should illuminate when use of V2X information for CAV features is allowable.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVV2XLightOn	At any point in time, whenever ((((Autera12V == 1) & (CAV_V2XCtrl_Switch == 1)) & (CAV_V2XCntrlLightCmd == 1)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_V2X_Status_Light == 1) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	135333762 2961107724 3720560848 74868368
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:31
Simulation Stop Time:	2024-10-06 07:10:32
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB5_2_CAVV2XLightFlashing

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:32
End Time:	06-Oct-2024 07:10:34
Outcome:	Passed

Test Case Information

Name:	IB5_2_CAVV2XLightFlashing
Type:	Baseline Test

Test Case Requirements

Description:	IB5.2 CAV V2X Status Flashing; when faults are present that prevent the use of any V2X data retrieval e.g., disconnected C-V2X radio.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVV2XLightFlashing	At any point in time, whenever ((((Autera12V == 1) & (CAV_V2XCtrl_Switch == 1)) & (CAV_V2XCntrlLightCmd == 2)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_V2X_Status_Light == 2) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal

Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0
Stop Time:	22
Checksum:	135333762 2961107724 3720560848 74868368
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:33
Simulation Stop Time:	2024-10-06 07:10:33
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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IB5_3_CAVV2XLightOff

Test Result Information

Result Type:	Test Case Result
Parent:	Indicator Board Test Suite
Start Time:	06-Oct-2024 07:10:34
End Time:	06-Oct-2024 07:10:35
Outcome:	Passed

Test Case Information

Name:	IB5_3_CAVV2XLightOff
Type:	Baseline Test

Test Case Requirements

Description:	IB5.3 CAV V2X Status Off; when the “CAV V2X Control” switch is in the off position.
Document:	../RequirementSets/IndicatorBoard.slreqx

Logical and Temporal Assessments

Name	Assessment
CAVV2XLightOff	At any point in time, whenever ((((Autera12V == 0) & (CAV_V2XCntrlLightCmd == 0)) & (CAV_V2XCtrl_Switch == 0)) & (IBActive == 1)) is true then, with a delay of at most 0.002 seconds, (CAV_V2X_Status_Light == 0) must be true

Simulation

System Under Test Information

Model:	IndicatorBoard
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
External Input Name:	IB_in_rn_testn.mat
External Input File:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\Tests\TestInputs\IB_in_rn_testn.mat
Start Time:	0

Stop Time:	22
Checksum:	135333762 2961107724 3720560848 74868368
Simulink Version:	10.7
Model Version:	1.12
Model Author:	Charb
Date:	Fri Oct 04 20:11:12 2024
User ID:	GregOden
Model Path:	C:\Users\cjthe\OneDrive\Desktop\EcoCar\pcm-dev-challenge-y3\IndicatorBoard.slx
Machine Name:	GREGODEN
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2024-10-06 07:10:34
Simulation Stop Time:	2024-10-06 07:10:35
Platform:	PCWIN64

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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