Test Specification Report CoDeAs Team 2

17-Feb-2021 13:01:02

Table of Contents

<u>1. FSM_test</u>	2
<u>1.1. DEAD</u>	2
<u>1.1.1. Dead-Dead</u>	2
<u>1.1.2. Dead-Regen</u>	4
<u>1.1.3. Dead-ED</u>	5
1.1.4. Dead-NoCharge	7
1.1.5. Dead-Combined	9
1.2. No Charge	11
1.2.1. NoCharge-DEAD	11
1.2.2. NoCharge-Regen	13
1.2.3. NoCharge-ED	14
1.2.4. NoCharge-Combined	17
1.2.5. NoCharge-NoCharge	19
<u>1.3. ED</u>	21
<u>1.3.1. ED-ED</u>	21
<u>1.3.2. ED-Regen</u>	23
<u>1.3.3. ED-DEAD</u>	24
1.3.4. ED-NoCharge	26
<u>1.3.5. ED-Combined</u>	28
1.4. Combined	31
1.4.1. Combined-Combined	31
1.4.2. Combined-Regen	33
1.4.3. Combined-DEAD	34
1.4.4. Combined-ED	36
1.4.5. Combined-NoCharge	38
<u>1.5. Regen</u>	40
1.5.1. Regen-Regen	40
<u>1.5.2. Regen-DEAD</u>	42
<u>1.5.3. Regen-ED</u>	43
1.5.4. Regen-NoCharge	45
1.5.5. Regen-Combined	47

${\bf 1.\,FSM_test}$

Test File Options

Close open figures	true
Store MATLAB figures	false
Generate report	false

1.1. **DEAD**

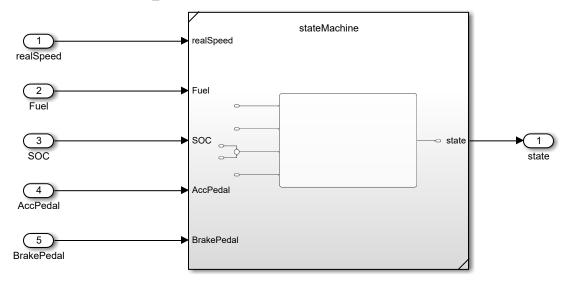
Test Details

Description	This suite contains all the test performed with DEAD as main state. It includes also the transitions from dead to other states.
-------------	---

1.1.1. Dead-Dead

Description	DEAD state check:
	-no SOC
	-no fuel
	-Uniformely increasing acceleration request
	-zero brake request
	The state should be DEAD for all the testing time.

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Dead1.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Dead1.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Dead_Dead_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

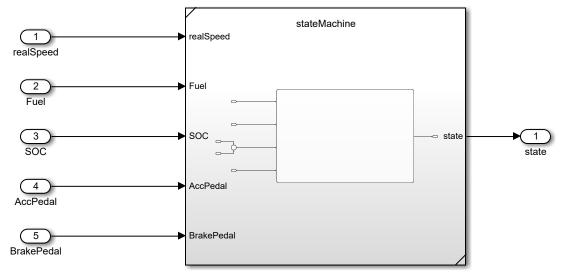
1.1.2. Dead-Regen

Test Details

DEAD to Regen state transition check:
-fuel < fuelMin
-SOC< SOCMin
-BrakePedal request at 5s

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Dead2.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Dead2.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Dead_Regen_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

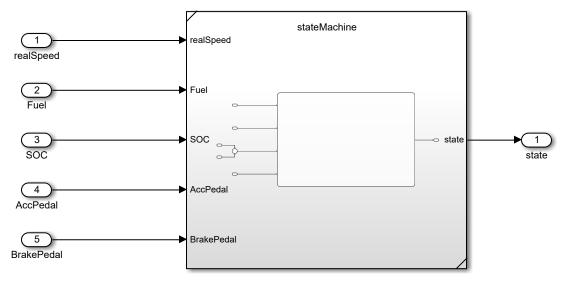
1.1.3. **Dead-ED**

Description	DEAD to ED state transition check:
	-SOC > SOCMin
	-AccPedal < maxAccMGU

The state should pass from DEAD to Electric Drive

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Dead3.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Dead3.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

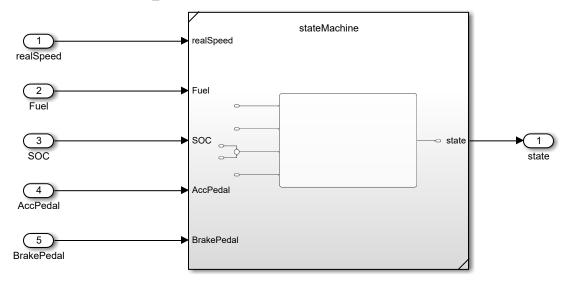
Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Dead_ED_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.1.4. Dead-NoCharge

Description	DEAD to No Charge state transition check:
	-SOC < SOCMin
	-fuel > fuelMin
	-AccPedal < maxAccICE
	The state should pass from DEAD to No Charge

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Dead4.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Dead4.mat	Successfully mapped in- puts.

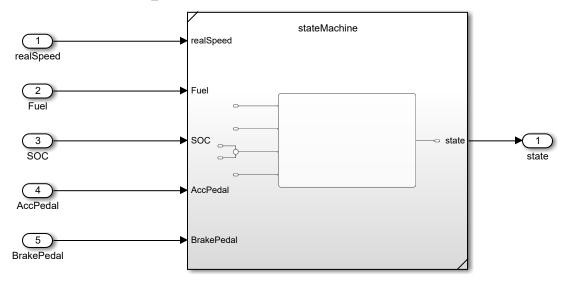
Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Dead_NoCharge_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.1.5. Dead-Combined

Description	DEAD to Combined state transition check:
	-SOC > SOCMin
	-fuel > fuelMin
	-AccPedal>maxAccMGU
	The state should pass from DEAD to Combined

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Dead5.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Dead5.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Dead_Combined_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.2. No Charge

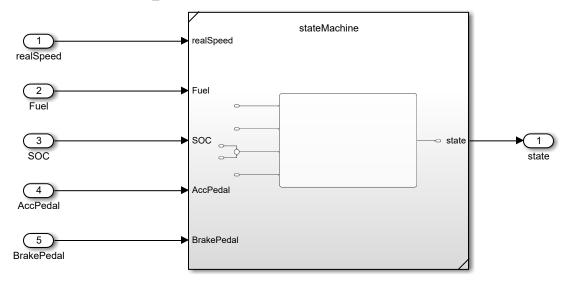
Test Details

FSM starts from DEAD, but soon enters the No Charge state at the first sampling instant.	Description	·
---	-------------	---

1.2.1. NoCharge-DEAD

Description	Transition from No Charge to DEAD:
	Fuel < fuelMin
	SOC < SOCmin

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
NoCharge1.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\No-Charge1.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
NoChargeToDEAD_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

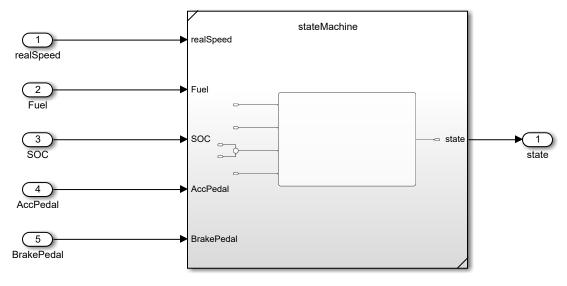
1.2.2. NoCharge-Regen

Test Details

Transition from No Charge to Regenerative Braking:
Fuel > fuelMin
SOC < SOCmin
BrakePedal request after 5s

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
NoCharge2.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\No-Charge2.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
NoChargeToRegen_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.2.3. NoCharge-ED

Description	Transition from No Charge to Regenerative Braking:
	Fuel > fuelMin

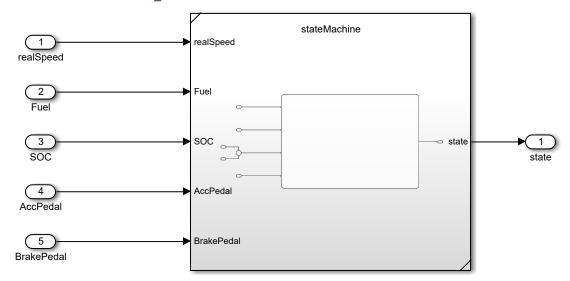
SOC < SOCmin for a while, then SOC>SOCmin

RealSpeed<SpeedEDMax or Fuel<fuelMin after a while

This check is done in two iterations

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
NoCharge3.mat (Active)	C:\Users\mordi\Desktop\Materiale Univer- sità\Compliance\hybrid-controller\Hybrid-	Successfully mapped in- puts.

Name	File Path	Status
	controller\Test\FSM Test\Inputs\No- Charge3.mat	
NoCharge4.mat	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\No-Charge4.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
NoCharge_ED_baseline_Itera- tion1.mat	0	0	0	0
• state:1 (Active)	0	0	0	0
NoCharge_ED_baseline_Itera- tion2.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

Iterations

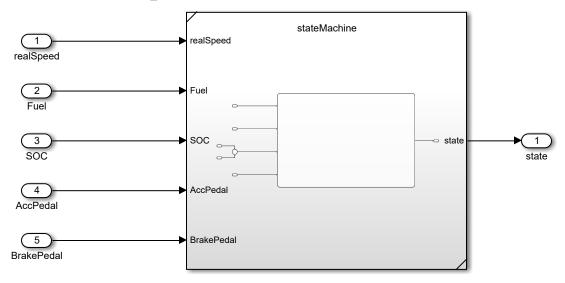
Name	Details		
Iteration1			
	Parameter Name	Value	
	External Inputs	NoCharge3.mat	

Name	Details				
	Parameter Name	Value			
	Baseline	NoCharge_ED_baseline_Iteration1.mat			
Iteration2					
	Parameter Name	Value			
	External Inputs	NoCharge4.mat			
	Baseline	NoCharge_ED_baseline_Iteration2.mat			

1.2.4. NoCharge-Combined

Description	Transition from No Charge to Combined:
	Fuel > fuelMin
	SOC > SOCmin
	AccPedal> MaxAccICE

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
NoCharge5.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\No-Charge5.mat	Successfully mapped in- puts.

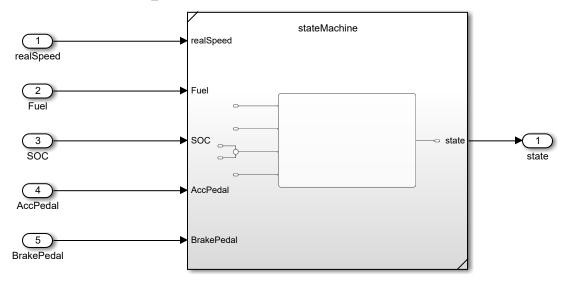
Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
NoChargeToCombined_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

${\bf 1.2.5.}\, \textbf{NoCharge-NoCharge}$

Description	No Charge state check: -SOC <socmin -fuel="">fuelMin -Uniformely increasing acceleration request</socmin>
	The state should be No Charge for all the testing time.

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
NoCharge6.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\No-Charge6.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
NoCharge_NoCharge_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.3. **ED**

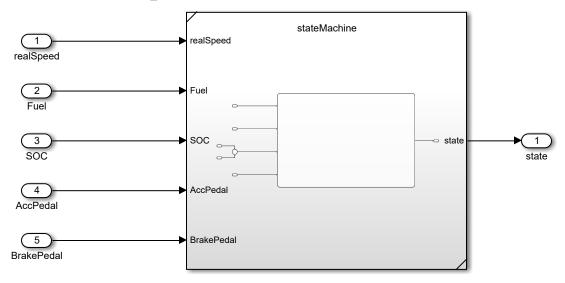
Test Details

Description	From Electrical Drive to all other states. Initially, the FSM starts from DEAD, but soon enters the ED state at the first sampling instant.

1.3.1. **ED-ED**

Description	Electrical Drive state check: -SOC>SOCMin -Fuel>fuelMin -RealSpeed <speededmax< th=""></speededmax<>
	-AccPedal <maxaccmgu all="" be="" drive="" electrical="" for="" should="" state="" td="" testing="" the="" time.<=""></maxaccmgu>

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
ED1.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\ED1.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
ED_ED_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

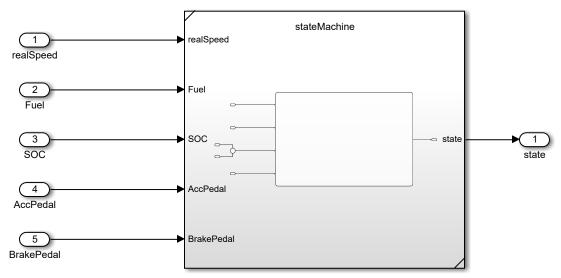
1.3.2. **ED-Regen**

Test Details

Description	Transition from Electrical Drive to Regenerative Braking:
	SOC > SOCmin
	RealSpeed < SpeedMaxED
	BrakePedal request after 5s

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
ED2.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\ED2.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
ED_Regen_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

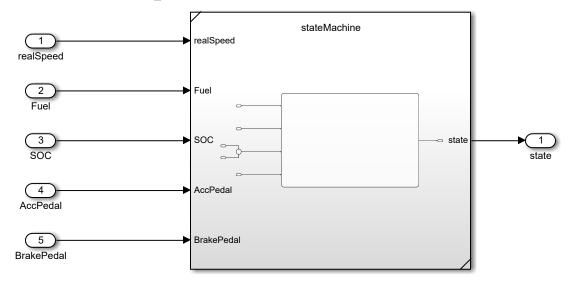
1.3.3. **ED-DEAD**

Description	Transition from Electrical Drive to DEAD:
	Fuel < fuelMin

SOC < SOCmin

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
ED3.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\ED3.mat	Successfully mapped in- puts.

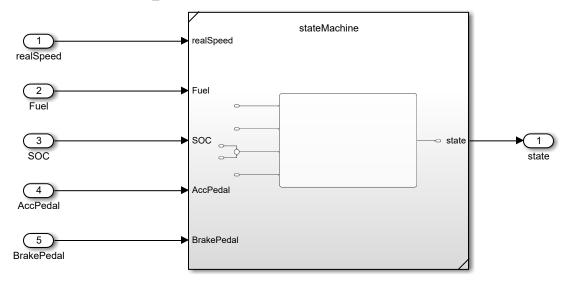
Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name		Rel Tol	Leading Tol	Lagging Tol
ED_Dead_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.3.4. **ED-NoCharge**

Description	Electrical Drive to No Charge state transition check:
	-SOC < SOCMin
	-fuel > fuelMin
	-AccPedal < maxAccICE
	The state should pass from Electrical Drive to No Charge

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
ED4.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\ED4.mat	Successfully mapped in- puts.

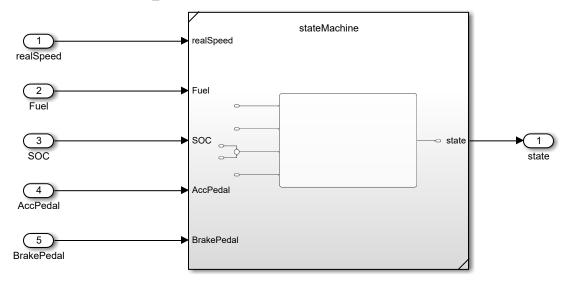
Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
ED_NoCharge_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.3.5. ED-Combined

Description	Transition from Electrical Drive to Combined:
	Fuel > fuelMin
	SOC > SOCmin
	AccPedal> MaxAccMGU
	or
	RealSpeed>MaxSpeedMGU

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status	
ED5.mat	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\ED5.mat	Successfully mapped in- puts.	
ED6.mat (Active)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\ED6.mat	Successfully mapped in- puts.	

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
ED_Comb_baseline1.mat	0	0	0	0
• state:1 (Active)	0	0	0	0
ED_Comb_baseline2.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

Iterations

Name	Details		
Iteration1			
	Parameter Name	Value	
	External Inputs	ED5.mat	
	Baseline	ED_Comb_baseline1.mat	
Iteration2			
	Parameter Name	Value	
	External Inputs	ED6.mat	
	Baseline	ED_Comb_baseline2.mat	

1.4. Combined

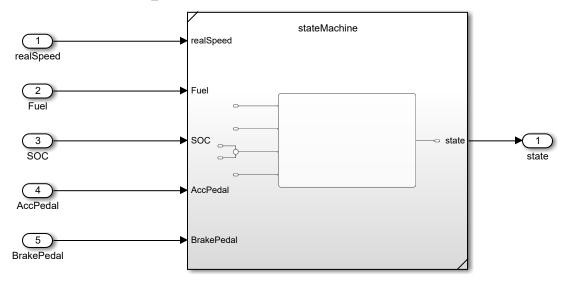
Test Details

Description	From Combined to all other states. Initially, the FSM starts from DEAD, but soon enters the Combined state at the first sampling instant.
-------------	---

1.4.1. Combined-Combined

Description	Combined state check:
	-SOC>SOCMin
	-Fuel>fuelMin
	-RealSpeed>SpeedEDMax
	The state should be Combined for all the testing time.

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Comb1.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Comb1.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Comb_Comb_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

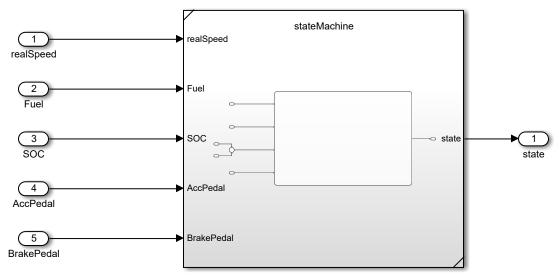
1.4.2. Combined-Regen

Test Details

Description	Transition from Combined to Regenerative Braking:
	SOC > SOCmin
	fuel>fuelMin
	RealSpeed > SpeedMaxED
	BrakePedal request after 5s

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Comb2.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Comb2.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Comb_Regen_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

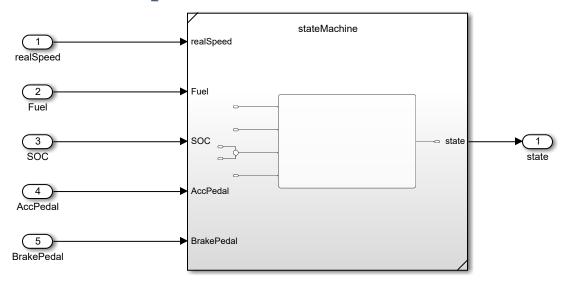
1.4.3. Combined-DEAD

Description	Transition from Combined to DEAD:
	Fuel < fuelMin

SOC < SOCmin

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Comb3.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Comb3.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

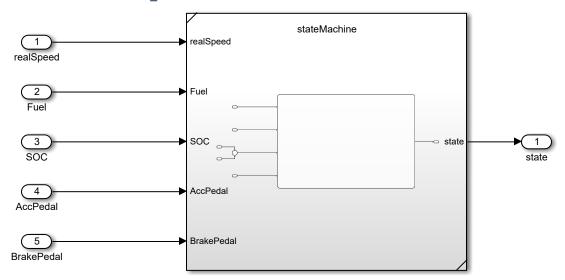
Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Comb_Dead_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.4.4. Combined-ED

Combined to ED transition check:
-SOC>SOCMin
-RealSpeed < SpeedEDMax after 5s
-AccPedal < MaxAccMGU after 5s

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Comb4.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Comb4.mat	Successfully mapped in- puts.

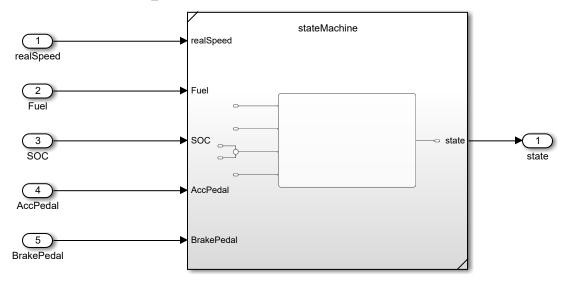
Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Comb_ED_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.4.5. Combined-NoCharge

Description	Combined to No Charge state transition check:			
	-SOC < SOCMin			
	-fuel > fuelMin			
	-AccPedal < maxAccICE			
	The state should pass from Combined to No Charge			

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Comb5.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Comb5.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Comb_NoCharge_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.5. Regen

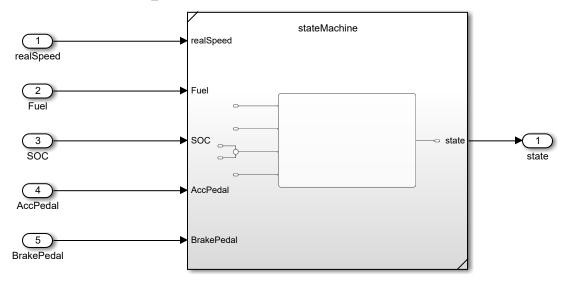
Test Details

Description	From Regenerative Braking to all other states. Initially, the FSM starts from DEAD, but soon enters the Regen state at the first sampling instant.

1.5.1. Regen-Regen

Description	Regenerative Braking state check: -BrakePedal > 0
	The state should be Regenerative Braking for all the testing time.

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Regen1.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Regen1.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Regen_Regen_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

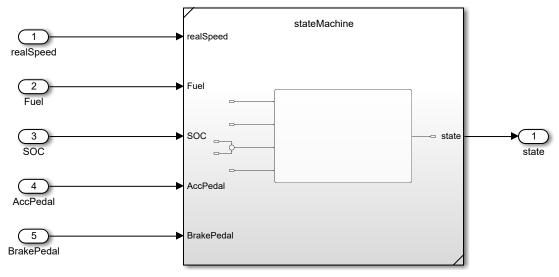
1.5.2. Regen-DEAD

Test Details

n from Regenerative Braking to DEAD:	Description
elMin	
Cmin	
> 0	
Cmin	

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Regen2.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Regen2.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Regen_Dead_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

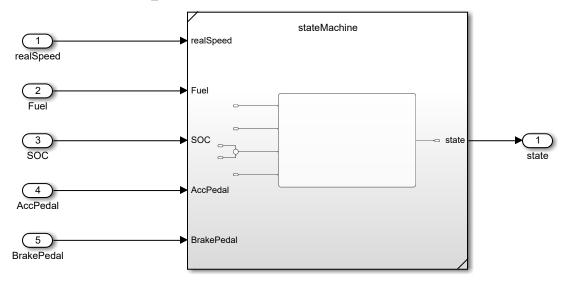
1.5.3. **Regen-ED**

Description	Transition from Regenerative Braking to ED
	SOC < SOCmin for a while, then SOC>SOCmin

RealSpeed<SpeedEDMax

System Under Test

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Regen3.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Regen3.mat	Successfully mapped in- puts.

Configuration Settings Overrides

Configuration settings	Do not override model settings
------------------------	--------------------------------

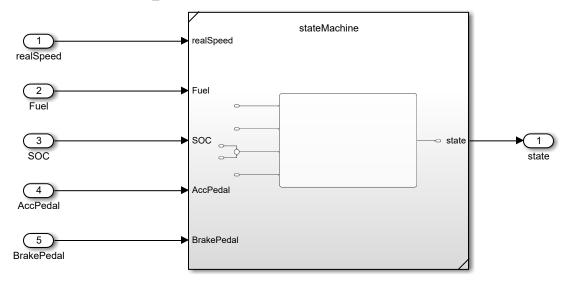
Baseline Criteria

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Regen_ED_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

1.5.4. Regen-NoCharge

Transition check from Regenerative Braking to No Charge state:
-BrakePedal > 0 until 5s
-AccPedal > 0 after 5s
-fuel>fuelMin
-SOC <socmin< td=""></socmin<>

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Regen4.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Regen4.mat	Successfully mapped in- puts.

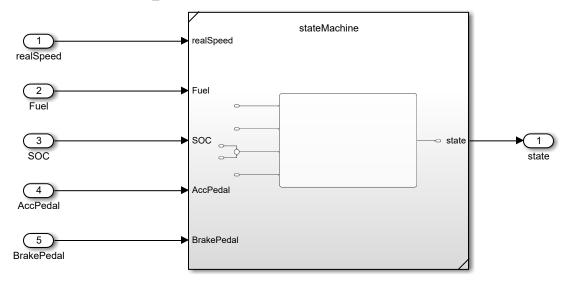
Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Regen_NoCharge_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0

${\bf 1.5.5.} \, Regen-Combined$

Description	Transition from Regen to Combined state: -SOC > SOCMin
	-Fuel> fuelMin
	-RealSpeed > SpeedMaxMGU
	-BrakePedal = 0 after 5s
	-AccPedal > 0 after 5s

Model Name: FSM_Model



Simulation Settings Overrides

Simulation Mode	Model Settings
Releases	Current

External Inputs

Name	File Path	Status
Regen5.mat (Ac- tive)	C:\Users\mordi\Desktop\Materiale Università\Compliance\hybrid-controller\Hybrid-controller\Test\FSM Test\Inputs\Regen5.mat	Successfully mapped in- puts.

Configuration settings	Do not override model settings
------------------------	--------------------------------

Signal Name	Abs Tol	Rel Tol	Leading Tol	Lagging Tol
Regen_Combined_baseline.mat (Active)	0	0	0	0
• state:1 (Active)	0	0	0	0