



# Research & Vehicle Technology "Infotainment Systems Product Development"

# Feature – Power Running Boards Softswitch Interface Client

# Infotainment Subsystem Part Specific Specification (SPSS)

Version 1.0
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Version Date: Oct. 5, 2018

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# **Revision History**

Date	Ver	Notes		
Oct. 5, 2018	1.0	Initial Release		



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# 1 Architectural Design

# 1.1 PRBSS-CLD-REQ-325393/A-Power Running Boards Softswitch Interface Client

The Power Running Boards Softswitch Interface Client (PRBSSInterfaceClient) is responsible for the tasks listed below:

- Providing a user interface to allow the altering of PRB feature settings
- Transmitting user input to PRBSSServer
- Receiving feature status from PRBSSServer
- Displaying active feature state on user interface

Please review the implementation guide/block diagram to locate the PRBSSInterfaceClient class.

# 1.2 PRBSS-CLD-REQ-325394/A-Power Running Boards Softswitch Server

The Power Running Boards Softswitch Server (PRBSSServer) is responsible for the tasks listed below:

- Receiving user request from PRBSSInterfaceClient
- Managing PRB feature status
- Transmitting feature status to PRBSSInterfaceClient

Please review the implementation guide/block diagram to locate the PRBSSServer class.

## 1.3 Physical Mapping of Classes

The table below shows an example of how the logical classes that make up the Power Running Boards Softswitch feature can be mapped into physical modules. This mapping is an example only and does not necessarily carryover to other carlines or vehicle architectures.

Logical Class	Physical Module (ECU)
PRBSSInterfaceClient	SYNC
PRBSSServer	DSM

## 1.4 PRBSSInterfaceClient Interface

# 1.4.1 PRBSS-IIR-REQ-325395/A-PRBSSInterfaceClient\_Tx

#### 1.4.1.1 MD-REQ-325504/A-PRBDeployment\_Rq

Message Type: Request

The signal is used by the PRBSSInterfaceClient to change the Power Running Board deployment as indicated in the request.

Name	Literals	Value	Description
Type	-	-	Indicates the PRB deployment being
			requested.
	Inactive	0x0	
	Off	0x1	
	Out	0x2	
	Auto	0x3	

#### 1.4.1.2 MD-REQ-325478/A-PRBKickSwitch\_Rq

Message Type: Request

The signal is used by the PRBSSInterfaceClient to change the Kickswitfch mode as indicated in the request.

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Name	Literals	Value	Description
Type	-	-	Indicates the Kickswitch mode requested.
	Inactive	0x0	
	Always Active	0x1	
	Deploy Unlocked	0x2	

#### 1.4.1.3 MD-REQ-330072/A-PRBTimer\_Rq

Message Type: Request

The signal is used by the PRBSSInterfaceClient to change the Timer as indicated in the request.

Name	Literals	Value	Description
Туре	-	-	Indicates the Timer requested.
	Inactive	0x0	
	Timer 1	0x1	
	Timer 2	0x2	

#### 1.4.2 PRBSS-IIR-REQ-325396/A-PRBSSInterfaceClient\_Rx

#### 1.4.2.1 MD-REQ-325505/A-PRBDeployment\_St

Message Type: Status

The signal is used to inform the PRBSSInterfaceClient of the current PRB deployment status.

Name	Literals	Value	Description
Status	-	-	Indicates the current PRB deployment
			status.
	All Disabled	0x0	
	All Enabled	0x1	
	Manually Deployed	0x2	
	Unused	0x3	

#### 1.4.2.2 MD-REQ-325479/A-PRBKickSwitch\_St

Message Type: Status

The signal is used to inform the PRBSSInterfaceClient of the current Kickswitch status.

Name	Literals	Value	Description
Status	-	-	Indicates the current Kickswitch status
	Inactive	0x0	
	Always Active	0x1	
	Deploy Unlocked	0x2	

#### 1.4.2.3 MD-REQ-330073/A-PRBTimer\_St

Message Type: Status

The signal is used to inform the PRBSSInterfaceClient of the current Timer status.

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Name	Literals	Value	Description
Status	-	-	Indicates the current Timer status
	Inactive	0x0	
	Timer 1	0x1	
	Timer 2	0x2	

# 1.4.2.4 MD-REQ-199809/A-IgnitionStatus\_St

Message Type: Status

Signal used to indicate ignition state.

Name	Literals	Value	Description
Type	-	-	Indicates ignition
			state
	Unknown	0x0	
	Off	0x1	
	Accessory	0x2	
	Run	0x4	
	Start	8x0	
	Invalid	0xF	

# 1.4.2.5 MD-REQ-199807/A-VehicleSpeed\_St

Message Type: Status

Status used to indicate vehicle speed.

Name	Literals	Value	Description
Type	-	-	Indicates vehicle
			speed.
			Unit: kph
			Resolution:0.01
			Offset:0
	kph	0x0 to 0xFFFF	

#### 1.4.2.6 MD-REQ-086348/A-CarMode\_St

Message Type: Status

Name	Literals	Value	Description
Type	-	-	Defines what car mode state is active.
	Normal	0x0	
	Factory	0x1	
	NotUsed	0x2	
	Transportation	0x3	



# 2 General Requirements

# 2.1 PRBSS-REQ-325962/A-Powermode Conditions

The PRBSSInterfaceClient shall only allow the functionality defined by this feature/SPSS when the IgnitionStatus\_St = Run, and the touch screen display is On.

# 2.2 PRBSS-REQ-326148/A-PRB Feature Configuration

The PRBSSInterfaceClient shall have a configurable parameter to determine whether the vehicle supports Power Running Boards.

- If the parameter indicates that the vehicle supports Power Running Boards, then the functionality and signals defined in this SPSS shall be supported.
  - Please see REQ-331146 to determine Kickswitch functionality
- If the parameter indicates that the vehicle does not support Power Running Boards, then none of the functionality defined in this SPSS shall be supported.

# 2.3 PRBSS-REQ-331146/A-PRB Kickswitch Configuration

The PRBSSInterfaceClient shall have a configurable parameter to determine whether the vehicle supports the Power Running Boards Kickswitch.

- If the parameter indicates that the vehicle supports the Kickswitch, then the functionality and signals defined in REQ-325399 shall be supported.
- If the parameter indicates that the vehicle does not support the Kickswitch, then the functionality and signals defined in REQ-325399 shall not be supported.

As a precondition to this requirement, the Power Running Boards feature configuration defined in REQ-326148 must indicate that the Power Running Boards feature is supported.

# 2.4 PRBSS-REQ-325966/A-Speed Restriction Configuration

The PRBSSInterfaceClient shall have a configurable parameter to set the vehicle speed threshold by which the Power Running Boards menu and Power Running Boards Kickswitch menu shall be made available/unavailable.

# 2.5 PRBSS-REQ-325965/A-Return to Inactive/Null state

The request signals used for the Power Running Boards feature shall revert to their respective "Inactive" or "Null" encodings 1 second after being sent (refer to all sequence diagrams).

Note: The receiving server or client shall act upon the event signal and shall not wait for the "Inactive" or "Null" to act upon the signal request.

### 2.6 PRBSS-REQ-331160/A-Missing Message DTC

The PRBSSInterfaceClient shall set a "lost communication" DTC for any expected PRBSS periodic messages that are not received for more than 5 seconds.



# 3 Functional Definition

# 3.1 PRBSS-FUN-REQ-325397/A-Power Running Board Feature Setting

#### 3.1.1 Requirements

#### 3.1.1.1 PRBSS-REQ-325960/A-PRB Settings - Interface Client Request

The PRBSSInterfaceClient shall send PRBDeployment\_Rq to the PRBSSServer with the following values:

- PRBDeployment Rq = "(0x1) Off" when OFF is selected by the user
- PRBDeployment\_Rq = "(0x2) Out" when OUT is selected by the user
- PRBDeployment Rq = "(0x3) Auto" when AUTO is selected by the user

#### 3.1.1.2 PRBSS-REQ-325961/A-PRB Settings - Server Response

The PRBSSInterfaceClient shall monitor PRBDeployment\_St from the PRBSSServer for the active Power Running Boards feature status.

- When PRBDeployment\_St = "(0x0) All Disabled" is received, the PRBSSInterfaceClient shall reflect that OFF is selected to the user
- When PRBDeployment\_St = "(0x1) All Enabled" is received, the PRBSSInterfaceClient shall reflect that AUTO is selected to the user
- When PRBDeployment\_St = "(0x2) Manually Deployed" is received, the PRBSSInterfaceClient shall reflect that OUT is selected to the user

#### 3.1.1.3 PRBSS-REQ-326417/A-PRB Settings - Startup/Shutdown

Upon system shutdown, the PRBSSInterfaceClient shall store the last active state of the PRBDeployment\_St from the PRBSSServer.

Upon system startup, the PRBSSInterfaceClient shall display the stored PRBDeployment\_St value until PRBDeployment\_St is received from the PRBSSServer.

#### 3.1.1.4 PRBSS-REQ-325963/A-PRB Settings - User Input

The PRBSSInterfaceClient shall provide a user interface (button/graphic) to allow selection of the Power Runing Boards feature settings.

#### 3.1.1.5 PRBSS-REQ-325964/A-PRB Settings - User Input Enable/Disable

The PRBSSInterfaceClient shall enable/disable (show/hide, grey-out, etc.) the Power Running Boards feature settings user interface (button/graphic) based on the following:

- If IgnitionStatus\_St != (0x4) Run, the above shall be disabled (greyed-out, hidden, etc.)
- If VehicleSpeed\_St is greater than the threshold config. defined by REQ-325966, the above shall be disabled (greyed-out, hidden, etc.)
- If IgnitionStatus\_St = (0x4) Run, <u>AND</u> VehicleSpeed\_St is lower than the threshold config. defined by REQ-325966, the above shall be enabled
- If the DTC defined by REQ-331160 is active, the above shall be disabled (greyed-out, hidden, etc.)

#### 3.1.2 Use Cases

#### 3.1.2.1 PRBSS-UC-REQ-325952/A-User sets Power Runing Boards to Auto

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed < Threshold config.
	Power Running Boards feature is set to "Out" or "Off"

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Scenario	The user accesses the Power Running Board feature menu on the
Description	PRBSSInterfaceClient and selects "Auto"
Post-conditions	The PRBSSServer updates the Power Running Board feature to "Auto"
	The PRBSSInterfaceClient updates its HMI to reflect "Auto" is active
List of	REQ-325957-Power Running Board settings while vehicle in motion
Exception Use	
Cases	
Interfaces	PRBSSInterfaceClient

# 3.1.2.2 PRBSS-UC-REQ-325953/A-User sets Power Runing Boards to Off

Actors	Vehicle Occupant	
Pre-conditions	Powermode Conditions are met	
	PRBSSInterfaceClient is ON	
	Vehicle Speed < Threshold config.	
	Power Running Boards feature is set to "Out" or "Auto"	
Scenario	The user accesses the Power Running Board feature menu on the	
Description	PRBSSInterfaceClient and selects "Off"	
Post-conditions	The PRBSSServer updates the Power Running Board feature to "Off"	
	The PRBSSInterfaceClient updates its HMI to reflect "Off" is active	
List of	REQ-325957-Power Running Board settings while vehicle in motion	
<b>Exception Use</b>		
Cases		
Interfaces	PRBSSInterfaceClient	

# 3.1.2.3 PRBSS-UC-REQ-325954/A-User sets Power Runing Boards to Out

Actors	Vehicle Occupant	
Pre-conditions	Powermode Conditions are met	
	PRBSSInterfaceClient is ON	
	Vehicle Speed < Threshold config.	
	Power Running Boards feature is set to "Off" or "Auto"	
Scenario	The user accesses the Power Running Board feature menu on the	
Description	PRBSSInterfaceClient and selects "Out"	
Post-conditions	The PRBSSServer updates the Power Running Board feature to "Out"	
	The PRBSSInterfaceClient updates its HMI to reflect "Out" is active	
List of	REQ-325957-Power Running Board settings while vehicle in motion	
<b>Exception Use</b>		
Cases		
Interfaces	PRBSSInterfaceClient	

# 3.1.2.4 PRBSS-UC-REQ-325957/A-Power Running Board settings while vehicle in motion

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON

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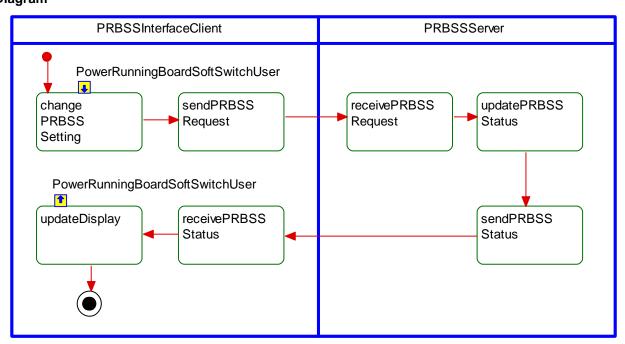


	Vehicle Speed > Threshold config.
Scenario	The user accesses the Power Running Board feature menu on the
Description	PRBSSInterfaceClient and attempts to change the Power Running Board setting
Post-conditions	The user cannot access the menu
	The Power Running Board setting is not changed
List of	
Exception Use	
Cases	
Interfaces	PRBSSInterfaceClient
Notes	When vehicle speed exceeds the Threshold config., the PRBSSServer
	changes the Power Running Boards setting to "Auto" which is reflected on
	the PRBSSInterfaceClient (although still greyed-out/inactive)

#### 3.1.3 White Box View

# 3.1.3.1 Activity Diagrams

# 3.1.3.1.1 PRBSS-ACT-REQ-330691/A-User Sets PRB Feature Setting Activity Diagram



#### 3.1.3.2 Sequence Diagrams

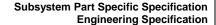
# 3.1.3.2.1 PRBSS-SD-REQ-330761/A-User Sets PRB Feature Setting

# **Constraints**

#### **Pre-Condition**

Powermode Conditions are met PRBSSInterfaceClient is ON Vehicle Speed < Threshold config.

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#### **Scenarios**

#### **Normal Usage**

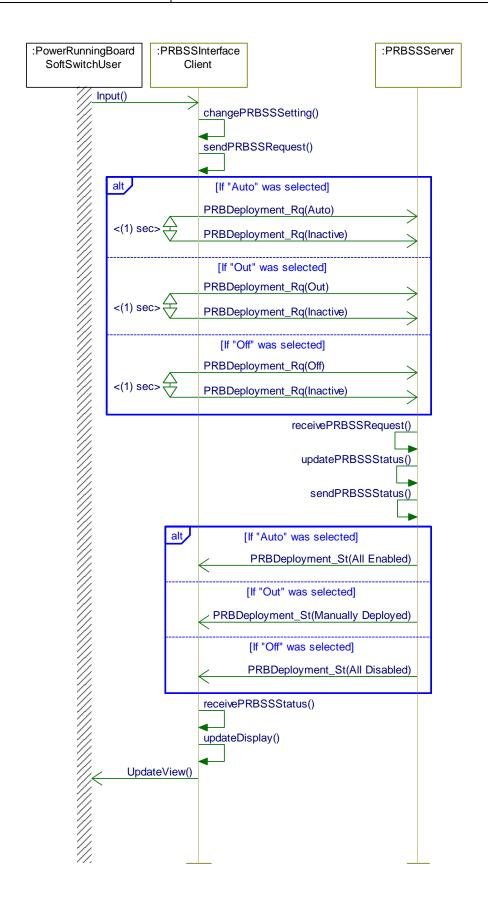
The user accesses the Power Running Board feature menu on the PRBSSInterfaceClient and selects "Auto", "Out", or "Off"

#### **Post-Condition**

The PRBSSServer updates the Power Running Board feature setting accordingly The PRBSSInterfaceClient updates its HMI to reflect active state



#### **Sequence Diagram**





# 3.2 PRBSS-FUN-REQ-330074/A-Power Running Board Timer Setting

#### 3.2.1 Requirements

#### 3.2.1.1 PRBSS-REQ-330076/A-PRB Timer Setting - Interface Client Request

The PRBSSInterfaceClient shall send PRBTimer\_Rq to the PRBSSServer with the following values:

- PRBTimer Rg = "(0x1) Timer 1" when the first timer is selected by the user
- PRBTimer\_Rq = "(0x2) Timer 2" when the second timer is selected by the user

#### 3.2.1.2 PRBSS-REQ-330077/A-PRB Timer Setting - Server Response

The PRBSSInterfaceClient shall monitor PRBTimer\_St from the PRBSSServer for the active Power Running Boards Timer status.

- When PRBTimer\_St = "(0x0) Timer 1" is received, the PRBSSInterfaceClient shall reflect that the first timer is selected to the user
- When PRBTimer\_St = "(0x1) Timer 2" is received, the PRBSSInterfaceClient shall reflect that the second timer is selected to the user

#### 3.2.1.3 PRBSS-REQ-330078/A-PRB Timer Setting - Startup/Shutdown

Upon system shutdown, the PRBSSInterfaceClient shall store the last active state of the PRBTimer\_St from the PRBSSServer.

Upon system startup, the PRBSSInterfaceClient shall display the stored PRBTimer\_St value until PRBTimer\_St is received from the PRBSSServer with any value other than "(0x0) Inactive."

#### 3.2.1.4 PRBSS-REQ-330079/A-PRB Timer Setting - User Input

The PRBSSInterfaceClient shall provide a user interface (button/graphic) to allow selection of the Power Runing Boards Timer setting.

#### 3.2.1.5 PRBSS-REQ-330080/A-PRB Timer Setting - User Input Enable/Disable

The PRBSSInterfaceClient shall enable/disable (show/hide, grey-out, etc.) the Power Running Boards Timer setting user interface (button/graphic) based on the following:

- If IgnitionStatus\_St != (0x4) Run, the above shall be disabled (greyed-out, hidden, etc.)
- If VehicleSpeed\_St is greater than the threshold config. defined by REQ-325966, the above shall be disabled (greyed-out, hidden, etc.)
- If IgnitionStatus\_St = (0x4) Run, <u>AND</u> VehicleSpeed\_St is lower than the threshold config. defined by REQ-325966, the above shall be enabled
- If the DTC defined by REQ-331160 is active, the above shall be disabled (greyed-out, hidden, etc.)

#### 3.2.2 Use Cases

#### 3.2.2.1 PRBSS-UC-REQ-330190/A-User sets Timer to Timer 1

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed < Threshold config.
	Power Running Boards feature is set to "Auto"
Scenario	The user accesses the Power Running Board Timer menu on the
Description	PRBSSInterfaceClient and selects the first timer
Post-conditions	The PRBSSServer updates the Power Running Board Timer to Timer 1
	The PRBSSInterfaceClient updates its HMI to reflect Timer 1 is active



List of Exception Use Cases	PRBSS-UC-REQ-330192-Timer setting while vehicle in motion
Interfaces	PRBSSInterfaceClient

#### 3.2.2.2 PRBSS-UC-REQ-330191/A-User sets Timer to Timer 2

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed < Threshold config.
	Power Running Boards feature is set to "Auto"
Scenario	The user accesses the Power Running Board Timer menu on the
Description	PRBSSInterfaceClient and selects the second timer
Post-conditions	The PRBSSServer updates the Power Running Board Timer to Timer 2
	The PRBSSInterfaceClient updates its HMI to reflect Timer 2 is active
List of	PRBSS-UC-REQ-330192-Timer setting while vehicle in motion
Exception Use	
Cases	
Interfaces	PRBSSInterfaceClient

# 3.2.2.3 PRBSS-UC-REQ-330192/A-Timer setting while vehicle in motion

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed < Threshold config.
	Power Running Boards feature is set to "Auto"
Scenario	The user accesses the Power Running Board Timer menu on the
Description	PRBSSInterfaceClient and attempts to change the Timer setting
Post-conditions	The user cannot access the menu
	The Timer setting is not changed
List of	
Exception Use	
Cases	
Interfaces	PRBSSInterfaceClient

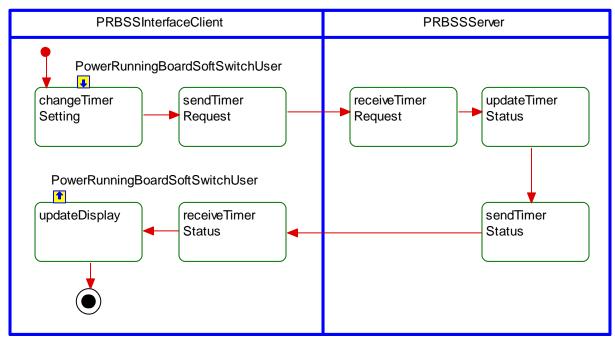


#### 3.2.3 White Box View

#### 3.2.3.1 Activity Diagrams

#### 3.2.3.1.1 PRBSS-ACT-REQ-330692/A-User Sets Timer Setting

# **Activity Diagram**



#### 3.2.3.2 Sequence Diagrams

# 3.2.3.2.1 PRBSS-SD-REQ-330762/A-User Sets Timer Setting

#### **Constraints**

#### **Pre-Condition**

Powermode Conditions are met PRBSSInterfaceClient is ON Vehicle Speed < Threshold config.

#### **Scenarios**

#### **Normal Usage**

The user accesses the Power Running Board Timer menu on the PRBSSInterfaceClient and selects the first or second timer

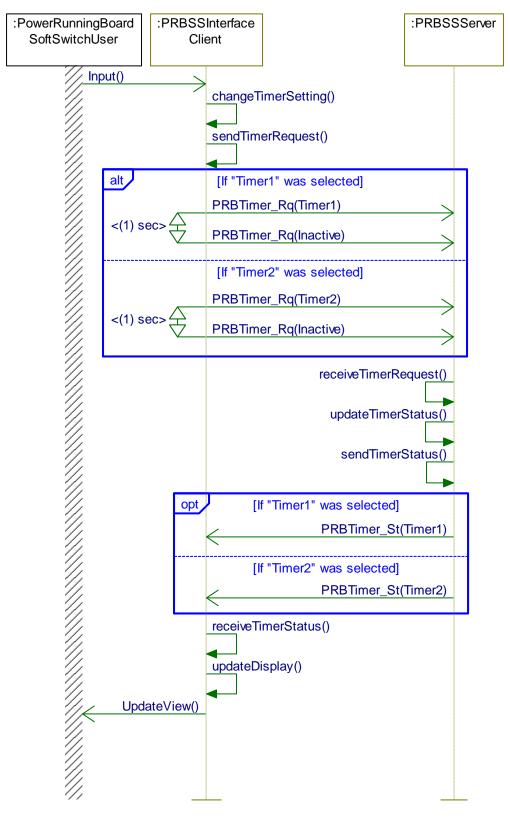
#### **Post-Condition**

The PRBSSServer updates the Power Running Board Timer setting accordingly

The PRBSSInterfaceClient updates its HMI to reflect active state



# **Sequence Diagram**





# 3.3 PRBSS-FUN-REQ-325399/A-Power Running Board Kickswitch Setting

#### 3.3.1 Requirements

#### 3.3.1.1 PRBSS-REQ-326162/A-PRB Kickswitch Setting - Interface Client Request

The PRBSSInterfaceClient shall send PRBKickSwitch\_Rq to the PRBSSServer with the following values:

- PRBKickSwitch\_Rq = "(0x1) Always Active" when "Always Active" is selected by the user
- PRBKickSwitch\_Rq = "(0x2) Deploy Unlocked" when "Deploy only when Unlocked" is selected by the user

#### 3.3.1.2 PRBSS-REQ-326163/A-PRB Kickswitch Setting - Server Response

The PRBSSInterfaceClient shall monitor PRBKickSwitch\_St from the PRBSSServer for the active Power Running Boards Kickswitch status.

- When PRBKickSwitch\_St = "(0x1) Always Active" is received, the PRBSSInterfaceClient shall reflect that "Always Active" is selected to the user
- When PRBKickSwitch\_St = "(0x2) Deploy Unlocked" is received, the PRBSSInterfaceClient shall reflect that "Deploy only when Unlocked" is selected to the user

#### 3.3.1.3 PRBSS-REQ-326418/A-PRB Kickswitch Setting - Startup/Shutdown

Upon system shutdown, the PRBSSInterfaceClient shall store the last active state of the PRBKickSwitch\_St from the PRBSSServer.

Upon system startup, the PRBSSInterfaceClient shall display the stored PRBKickSwitch\_St value until PRBKickSwitch\_St is received from the PRBSSServer with any value other than "(0x0) Inactive."

#### 3.3.1.4 PRBSS-REQ-326164/A-PRB Kickswitch Setting - User Input

The PRBSSInterfaceClient shall provide a user interface (button/graphic) to allow selection of the Power Runing Boards Kickswitch setting.

#### 3.3.1.5 PRBSS-REQ-326165/A-PRB Kickswitch Setting - User Input Enable/Disable

The PRBSSInterfaceClient shall enable/disable (show/hide, grey-out, etc.) the Power Running Boards Kickswitch setting user interface (button/graphic) based on the following:

- If IgnitionStatus\_St != (0x4) Run, the above shall be disabled (greyed-out, hidden, etc.)
- If VehicleSpeed\_St is greater than the threshold config. defined by REQ-325966, the above shall be disabled (greyed-out, hidden, etc.)
- If IgnitionStatus\_St = (0x4) Run, <u>AND</u> VehicleSpeed\_St is lower than the threshold config. defined by REQ-325966, the above shall be enabled
- If the DTC defined by REQ-331160 is active, the above shall be disabled (greyed-out, hidden, etc.)
- If CarMode\_St = (0x1) Factory, the above shall be disabled (greyed-out, hidden, etc.)

#### 3.3.2 Use Cases

#### 3.3.2.1 PRBSS-UC-REQ-325955/A-User sets Kickswitch to Always Active

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed < Threshold config.
	Kickswitch feature is set to "Deploy Unlocked"
Scenario	The user accesses the Power Running Board Kickswitch menu on the
Description	PRBSSInterfaceClient and selects "Always Active"
Post-conditions	The PRBSSServer updates the Power Running Board Kickswitch to "Always"
	Active"
	The PRBSSInterfaceClient updates its HMI to reflect "Always Active" is active

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List of Exception Use	REQ-325958-Kickswitch setting while vehicle in motion
Cases	
Interfaces	PRBSSInterfaceClient

# 3.3.2.2 PRBSS-UC-REQ-325956/A-User sets Kickswitch to Deploy Unlocked

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed < Threshold config.
	Kickswitch feature is set to "Always Active"
Scenario	The user accesses the Power Running Board Kickswitch menu on the
Description	PRBSSInterfaceClient and selects "DeployUnlocked"
Post-conditions	<ul> <li>The PRBSSServer updates the Power Running Board Kickswitch to "DeployUnlocked"</li> <li>The PRBSSInterfaceClient updates its HMI to reflect "DeployUnlocked" is</li> </ul>
	active
List of	REQ-325958-Kickswitch setting while vehicle in motion
<b>Exception Use</b>	
Cases	
Interfaces	PRBSSInterfaceClient

# 3.3.2.3 PRBSS-UC-REQ-325958/A-Kickswitch setting while vehicle in motion

Actors	Vehicle Occupant
Pre-conditions	Powermode Conditions are met
	PRBSSInterfaceClient is ON
	Vehicle Speed > Threshold config.
Scenario	The user accesses the Power Running Board Kickswitch menu on the
Description	PRBSSInterfaceClient and attempts to change the Kickswitch setting
Post-conditions	The user cannot access the menu
	The Kickswitch setting is not changed
List of	
Exception Use	
Cases	
Interfaces	PRBSSInterfaceClient

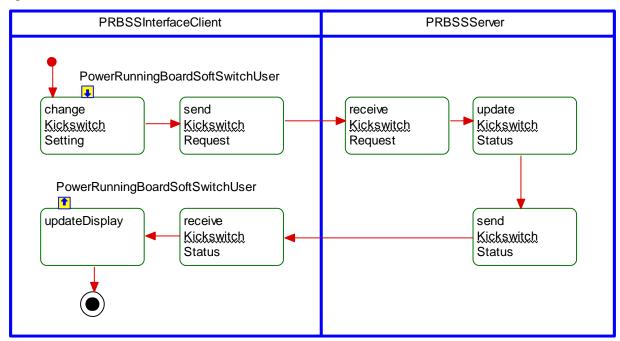


#### 3.3.3 White Box View

#### 3.3.3.1 Activity Diagrams

#### 3.3.3.1.1 PRBSS-ACT-REQ-330690/A-User Sets KickSwitch Setting

#### **Activity Diagram**



#### 3.3.3.2 Sequence Diagrams

## 3.3.3.2.1 PRBSS-SD-REQ-330760/A-User Sets KickSwitch Setting

#### **Constraints**

#### **Pre-Condition**

Powermode Conditions are met PRBSSInterfaceClient is ON Vehicle Speed < Threshold config.

#### **Scenarios**

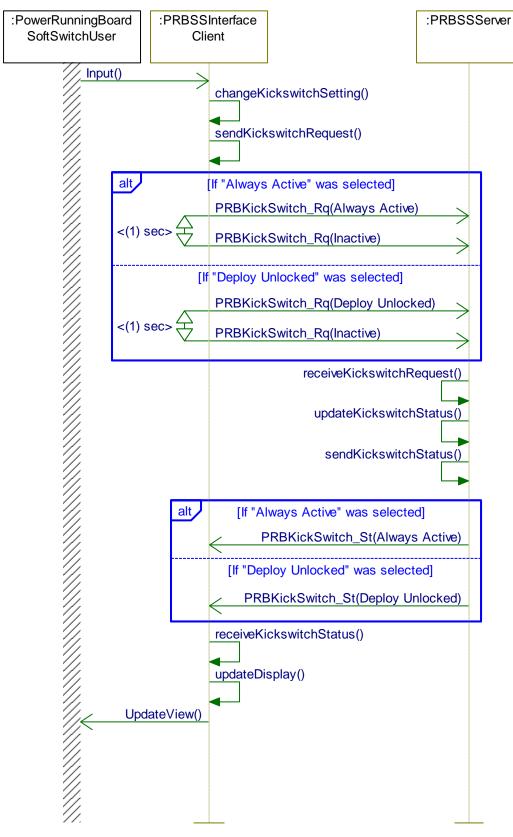
#### **Normal Usage**

The user accesses the Power Running Board Kickswitch menu on the PRBSSInterfaceClient and selects "Always Active" or "Deployed Unlocked."

#### **Post-Condition**

The PRBSSServer updates the Power Running Board Kickswitch setting accordingly The PRBSSInterfaceClient updates its HMI to reflect active state

# **Sequence Diagram**





# 4 Appendix: Reference Documents

Reference #	Document Title
1	Logical to Physical Signal Mapping (available on FISI Sharepoint)
2	
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