# Function Specifications – APIM\_CDC

## Logical Function BEC User Select Customization

### Function Overview

#### Description

The Splitgate feature offers the user an option to configure the splitgate to operate manually. There is also an option for the user to configure the Keyfob and handsfree sensor to either operate just the liftgate or the full splitgate. These options are selectable in the vehicle’s center stack screen.

#### Variants

|  |  |  |
| --- | --- | --- |
| Variant Name | Variant Description | Variant Condition (optional) |
|  |  |  |

#### Input Requirements

#### Assumptions

#### References

##### Ford Documents

List here all Ford internal documents, which are directly related to the feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference** | **Title** | **Doc. ID** | **Revision** |
| [aaa] |  |  |  |
|  |  |  |  |

Table 2: Ford Documents

##### External Documents and Publications

The list of external documents could include books, reports and online sources.

| **Reference** | **Document / Publication** |
| --- | --- |
| [bbb] |  |
|  |  |

Table 3: External Documents and Publications

#### Glossary

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##### Definitions

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|  |  |
| --- | --- |
| Definition | Description |
|  |  |
|  |  |

Table 4: Definitions relevant for “Logical Function A”

##### Abbreviations

|  |  |  |
| --- | --- | --- |
| Abbr. | Meaning | Description |
| FS | Function Requirements Specification /  Function Group Specification | The document describing, collecting and developing the requirements of a function or a group of functions. |
|  |  |  |

Table 5: Abbreviations relevant for “Logical Function A”

### Function Scope

### Function Interfaces

#### Logical Inputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
| BEC\_User\_Menu\_Selection | Represents the selection made by the user for the mode of operation for the power closure. |
| BEC\_UserMode\_Status | Signal to update the user selected mode of operation for the power closure. |
| BecConfg\_D\_Stat | Signal to update the user selected configuration of the RKE and handsfree inputs. |

#### Logical Outputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
| BEC\_UserMode\_Rqst | Request to change the user selected mode of operation of the closure. |
| BEC\_UserMode\_Display | Represents the mode of operation for the closure that is displayed to the user. |
| BecConfg\_B\_RqMnu | Request to change the user selected configuration for the RKE and handsfree inputs. |

#### Logical Parameters

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
|  |  |
|  |  |

### Function Modeling

#### State Charts / Activity Diagrams / Sequence Diagrams / Decision Tables



Figure 2: State Machine of Back End Closure User Select Manual Mode

### Function Requirements

#### Functional Requirements

##### Normal Operation

### ### User Selects Manual Mode

The Back End Closure User Select Customization shall request to disable power operation when the user selects Manual mode from the back end closure mode menu.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00001### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### User Selects Power Mode

The Back End Closure User Select Customization shall request to enable power operation when the user selects Power mode from the back end closure mode menu.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00002### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### Update Menu Display of User Selected Mode

The Back End Closure User Select Customization shall request the displayed selection in the back end closure menu as follows:

* When the back end closure user mode status is Enabled, display Power mode.
* When the back end closure user mode status is Disabled, display Manual mode.
* When the back end closure user mode status is unknown, display no mode selection.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00003### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### User Selected Mode on System Initialization

The Back End Closure User Select Manual Mode shall request to enable power operation upon system initialization.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00004### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### User Selects Liftgate Only Operation for RKE and Handsfree

The Back End Closure User Select Customization shall request to disable full splitgate operation when the user selects Liftgate Operation mode from the back end closure mode menu for RKE and handsfree configuration.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00001### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### User Selects Splitgate Operation for RKE and Handsfree

The Back End Closure User Select Customization shall request to enable full splitgate operation when the user selects Splitgate Operation mode from the back end closure mode menu for RKE and handsfree configuration.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00002### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### Store User Selections

The Back End Closure User Select Customization shall store the values of the following User Selected Modes:

- Power/manual operation

- RKE and handsfree configuration.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_USER\_00002### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
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##### Error Handling

#### Non-Functional Requirements

#### (Decomposed) Functional Safety Requirements

**#Classification**: Functional Safety only – If not used, remove content and state “Not Applicable”

**#Macro:** [Add Ins -> Add Requirement macro](http://wiki.ford.com/display/RequirementsEngineering/Adding+a+Requirement) (select “**Func./Tech. Safety Requirement**” as type)

***#Hint:*** *For each ASIL decomposition applied in the feature fill out the following table. The decomposition rationale is the reason why the decomposition was performed, whereas the rationale for each requirement expresses the reason and thought behind that particular requirement and should include how the requirement is able to independently fulfill the needs of the parent requirement.*

**#Link:** [Functional Safety Sharepoint](https://pd3.spt.ford.com/sites/GlobalFunctionalSafety/Pages/default.aspx) – Functional Safety Concept

[RE Wiki - Requirements Attributes](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes)

| Initial Safety Requirement | Functional Safety Requirement X | |
| --- | --- | --- |
| Decomposition Rationale |  | |
| Method for Decomposition | Choose a Method | |
| Functional Safety Requirement 1 after Decomposition | F-S-Req-ID |  |
| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |
| Functional Safety Requirement 2 after Decomposition | F-S-Req-ID |  |
| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |
| Functional Safety Requirement for Independence  *Note: should consider commonly used input, output and processing*  *Note: additional row should be added if additional* *requirements for Independence are necessary* | F-S-Req.-ID |  |
| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |

Table 6: Requirements Decomposition Table

#### Other Requirements

##### Design Requirements

## Logical Function Back End Closure Manual mode HMI

### Function Overview

#### Description

The Splitgate feature offers the user an option to configure the splitgate to operate manually. This option is selectable in the vehicle’s center stack display.

#### Variants

|  |  |  |
| --- | --- | --- |
| Variant Name | Variant Description | Variant Condition (optional) |
|  |  |  |

#### Input Requirements

#### Assumptions

#### References

##### Ford Documents

List here all Ford internal documents, which are directly related to the feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference** | **Title** | **Doc. ID** | **Revision** |
| [aaa] |  |  |  |
|  |  |  |  |

Table 2: Ford Documents

##### External Documents and Publications

The list of external documents could include books, reports and online sources.

| **Reference** | **Document / Publication** |
| --- | --- |
| [bbb] |  |
|  |  |

Table 3: External Documents and Publications

#### Glossary

**#Hint**: Terms, concepts and abbreviations used in the document shall be defined and illustrated here. Note that changes to terms and/or concepts described in this section tend to cause major updates to this document.

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|  |  |
| --- | --- |
| Definition | Description |
|  |  |
|  |  |

Table 4: Definitions relevant for “Logical Function A”

##### Abbreviations

|  |  |  |
| --- | --- | --- |
| Abbr. | Meaning | Description |
| FS | Function Requirements Specification /  Function Group Specification | The document describing, collecting and developing the requirements of a function or a group of functions. |
|  |  |  |

Table 5: Abbreviations relevant for “Logical Function A”

### Function Scope

### Function Interfaces

#### Logical Inputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
| BEC\_mode\_selection | Represents the selection made by the user for the mode of operation for the power closure. |
| BEC\_UserMode\_Display | Represents the mode of operation for the closure that is displayed to the user. |

#### Logical Outputs

|  |  |  |
| --- | --- | --- |
| **Signal Name** | **Description** | |
| BEC\_User\_Menu\_Selection | | Represents the selection made by the user for the mode of operation for the power closure. |
| BEC\_mode\_selected\_Display | | Represents the current selection to user |

#### Logical Parameters

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
|  |  |
|  |  |

### Function Modeling

#### State Charts / Activity Diagrams / Sequence Diagrams / Decision Tables

N/A

### Function Requirements

#### Functional Requirements

##### Normal Operation

### ### User Selects Manual Mode

The Back End Closure Manual Mode HMI shall request to disable power operation when the user selects Manual mode from the back end closure mode menu.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_ MODE\_HMI\_00001### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### User Selects Power Mode

The Back End Closure Manual Mode HMI shall request to enable power operation when the user selects Power mode from the back end closure mode menu.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_ MODE\_HMI\_00002### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
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### ### Update Menu Display of User Selected Mode

The Back End Closure Manual Mode HMI shall display selection in the back end closure menu as follows:

* When the back end closure user mode display is Enabled, display Power mode.
* When the back end closure user mode display is Disabled, display Manual mode.
* When the back end closure user mode display is unknown, display no mode selection.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_ MODE\_HMI\_00003### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
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| ASIL |  |
| Rationale |  |
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| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |

Table 6: Requirements Decomposition Table

#### Other Requirements

##### Design Requirements

## Logical Function Back End Closure Center Stack Open/Close Request

### Function Overview

#### Description

Back End Closure Center Stack Open/Close Request function accepts requests from interior users via interior touchscreen softkey.

#### Variants

|  |  |  |
| --- | --- | --- |
| Variant Name | Variant Description | Variant Condition (optional) |
|  |  |  |

#### Input Requirements

#### Assumptions

#### References

##### Ford Documents

List here all Ford internal documents, which are directly related to the feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference** | **Title** | **Doc. ID** | **Revision** |
| [aaa] |  |  |  |
|  |  |  |  |

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| --- | --- |
| [bbb] |  |
|  |  |

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|  |  |
| --- | --- |
| Definition | Description |
|  |  |
|  |  |

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##### Abbreviations

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| --- | --- | --- |
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|  |  |  |

Table 5: Abbreviations relevant for “Logical Function A”

### Function Scope



Figure 1: Context Diagram of Function Back End Closure centerstack Open/Close Request

### Function Interfaces

#### Logical Inputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
| APIM\_BEC\_softkey\_Rqst | Represents the selection made by the user on Front interior touchscreen to operate liftgate |
| APIM\_BEC2\_softkey\_Rqst | Represents the selection made by the user on Front interior touchscreen to operate splitgate |

#### Logical Outputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
| APIM\_BECRelease\_Cnt | Front interior touchscreen softkey request to operate liftgate |
| APIM\_BEC2Oprt\_Cnt | Front interior touchscreen softkey request to operate splitgate |

#### Logical Parameters

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
|  |  |
|  |  |

### Function Modeling

#### State Charts / Activity Diagrams / Sequence Diagrams / Decision Tables

N/A

### Function Requirements

#### Functional Requirements

##### Normal Operation

### ### Request liftgate operation from front interior touchscreen

The Back End Closure center stack Open/Close Request function shall request Toggle operation of the Power Liftgate when:

* The liftgate front interior touchscreen softkey is selected and
* The vehicle LifeCycle Mode is Normal or Factory.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_COC\_00001### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### Request splitgate operation from front interior touchscreen

The Back End Closure center stack Open/Close Request function shall request Toggle operation of the Splitgate when:

* The splitgate front interior touchscreen softkey is selected and
* The vehicle LifeCycle Mode is Normal or Factory.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_COC\_00001### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### ### Disable front interior touchscreen softkey

The front interior touchscreen softkey menu item shall be disabled when:

* TrimInhibit is active, or
* The vehicle speed is more than 4 kilometers per hour (kph), or
* The vehicle LifeCycle Mode is Transport, or
* For vehicle with an automatic transmission, the transmission is not in the Park position.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_COC\_00002### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

#### Error Handling

### ### Disable front interior touchscreen softkey – error conditions

The front interior touchscreen softkey menu item shall be disabled when:

* Vehicle Speed is unavailable/missing OR
* Gear Position is unavailable/missing OR
* Ignition state is unavailable/missing OR
* TrimInhibit is unavailable/missing OR
* Transmission Type Config is unavailable/missing OR
* Max PTG Vehicle Speed Config is unavailable/missing

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_COC\_00003### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

#### Non-Functional Requirements

#### (Decomposed) Functional Safety Requirements

**#Classification**: Functional Safety only – If not used, remove content and state “Not Applicable”

**#Macro:** [Add Ins -> Add Requirement macro](http://wiki.ford.com/display/RequirementsEngineering/Adding+a+Requirement) (select “**Func./Tech. Safety Requirement**” as type)

***#Hint:*** *For each ASIL decomposition applied in the feature fill out the following table. The decomposition rationale is the reason why the decomposition was performed, whereas the rationale for each requirement expresses the reason and thought behind that particular requirement and should include how the requirement is able to independently fulfill the needs of the parent requirement.*

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[RE Wiki - Requirements Attributes](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes)

| Initial Safety Requirement | Functional Safety Requirement X | |
| --- | --- | --- |
| Decomposition Rationale |  | |
| Method for Decomposition | Choose a Method | |
| Functional Safety Requirement 1 after Decomposition | F-S-Req-ID |  |
| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |
| Functional Safety Requirement 2 after Decomposition | F-S-Req-ID |  |
| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |
| Functional Safety Requirement for Independence  *Note: should consider commonly used input, output and processing*  *Note: additional row should be added if additional* *requirements for Independence are necessary* | F-S-Req.-ID |  |
| F-S-Req. Title |  |
| ASIL |  |
| Rationale |  |

Table 6: Requirements Decomposition Table

#### Other Requirements

##### Design Requirements

## Logical Function BEC User Visual/Audible Feedback

### Function Overview

#### Description

BEC User Visual/Audible Feedback function receives inputs used to alert the user of the splitgate’s functionality, whether it be a visual animation of the gate position, a pop-up warning to indicate the gates are ajar, or a chime to alert the customer.

#### Variants

|  |  |  |
| --- | --- | --- |
| Variant Name | Variant Description | Variant Condition (optional) |
|  |  |  |

#### Input Requirements

#### Assumptions

#### References

##### Ford Documents

List here all Ford internal documents, which are directly related to the feature.

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference** | **Title** | **Doc. ID** | **Revision** |
| [aaa] |  |  |  |
|  |  |  |  |

Table 2: Ford Documents

##### External Documents and Publications

The list of external documents could include books, reports and online sources.

| **Reference** | **Document / Publication** |
| --- | --- |
| [bbb] |  |
|  |  |

Table 3: External Documents and Publications

#### Glossary

**#Hint**: Terms, concepts and abbreviations used in the document shall be defined and illustrated here. Note that changes to terms and/or concepts described in this section tend to cause major updates to this document.

The tables below have feature specific definitions and abbreviations. For additional, non-feature specific terms please refer to the [RE Glossary](http://wiki.ford.com/display/RequirementsEngineering/Glossary?src=contextnavpagetreemode)

##### Definitions

**#Hint:** The table below has definitions and abbreviations relevant for the functions in this document. For additional terms please refer to the [RE Glossary](http://wiki.ford.com/display/RequirementsEngineering/Glossary?src=contextnavpagetreemode)

|  |  |
| --- | --- |
| Definition | Description |
|  |  |
|  |  |

Table 4: Definitions relevant for “Logical Function A”

##### Abbreviations

|  |  |  |
| --- | --- | --- |
| Abbr. | Meaning | Description |
| FS | Function Requirements Specification /  Function Group Specification | The document describing, collecting and developing the requirements of a function or a group of functions. |
|  |  |  |

Table 5: Abbreviations relevant for “Logical Function A”

### Function Scope

### Function Interfaces

#### Logical Inputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
| RGT\_Chime\_Cmd | Request to sound a chime. |
| PwTgateLamp\_B\_Rq | Request to display telltale in cluster. |
| BecAjarMsgTxt\_D\_Rq | Request to display ajar message in cluster. |
| BecManCloseMsgTxt\_D\_Rq | Request to display close tailgate reminder message in cluster. |
| LftgtPos\_Pc\_Actl | Liftgate position for animation to user in center stack screen. |
| DrTgatePos\_Pc\_Actl | Tailgate position for animation to user in center stack screen. |

#### Logical Outputs

|  |  |
| --- | --- |
| **Signal Name** | **Description** |
|  |  |

#### Logical Parameters

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
|  |  |
|  |  |

### Function Modeling

#### State Charts / Activity Diagrams / Sequence Diagrams / Decision Tables

N/A

### Function Requirements

#### Functional Requirements

##### Normal Operation

### ### Visual Feedback to User on Center Stack Screen

The Back End Closure User Visual/Audible Feedback function shall display an animation/graphic to the user of the gate status based on the current liftgate and tailgate positions.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: ###R\_FNC\_BEC\_COC\_00001### | | | | | | | |
| **Rationale** |  | | | | | | | |
| **Acceptance Criteria** |  | | | | | | | |
| **Notes** |  | | | | | | | |
| **Source** |  | | | | | **Owner** |  | |
| **Source Req.** |  | | | | | **V&V Method** |  | |
| **Type** | Choose an item. | | | **Priority** | Choose an item. | **Status** | Choose an item. | |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

#### Error Handling

#### Non-Functional Requirements

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Table 6: Requirements Decomposition Table

#### Other Requirements

##### Design Requirements