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|  | Rejuvenate  <<Feature>>  (F003072/B;1) | | |  |
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| Document Approval | | | | |
| Person | Role | | Email Confirmation | Date |
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# Introduction

## Document Purpose

A Feature Document (FD) document specifies **what** the feature shall do and how it shall behave from customer perspective. It should also provide reasoning and background **why** we have the feature in the vehicle.

The FD also serves as an Item Definition as defined by ISO26262 for those features, which follow the Ford Functional Safety process.

To get more information about the concept of feature, function and component level abstraction refer to the [Ford RE Wiki](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Engineering+for+SW+Enabled+Features). For details on the Ford Functional Safety (ISO26262) process refer to the [Ford Functional Safety Sharepoint](https://pd3.spt.ford.com/sites/GlobalFunctionalSafety/Pages/default.aspx).

## Document Scope

This Feature Document (FD) specifies the following features:

|  |  |  |  |
| --- | --- | --- | --- |
| **Feature ID** | **Feature Name** | **Owner** | **Reference** |
| F003072 | Rejuvenate  (Program(s): 24MY CDX747) | Matthew Harkless |  |

Table 1: Features described in this FD

## Document Audience

The FD is written by the feature owner of Matthew Harkless. All Stakeholders, i.e., all people who have a valid interest in the feature should read and, if possible, review the FD. It needs to be guaranteed, that all stakeholders have access to the currently valid version of the FD.

**#Hint:** The FD template has the IP Classification “Proprietary” by default. IP Classification “Confidential” might be required in some cases, e.g. by Ford Functional Safety.

### Stakeholder List

For the latest list of stakeholder of the feature and their influence refer to <[Rejuvenate Stakeholder VSEM Link](https://www.vsemweb.ford.com/tc/launchapp?-attach=true&-s=226TCSession&-o=jAjBC4Cjx3NrTDAAAAAAAAAAAAA&servername=Production_Server)>.

**#Hint:** Refer to [Ford RE Wiki – Stakeholder List](http://wiki.ford.com/display/RequirementsEngineering/Stakeholder+Analysis) on how to create a stakeholder list. The stakeholder list should be stored in VSEM in the pseudo folder “General Data Artifacts” of the corresponding feature.

## Document Organization

### Document Context

Refer to the [Specification Structure page](http://wiki.ford.com/display/RequirementsEngineering/Specification+templates) in the [Ford RE Wiki](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Engineering+for+SW+Enabled+Features) to understand how the FD relates to other Ford Requirements Documents and Specifications.

### Document Structure

The structure of this document is explained below:

**Section 1** – Introduction how to use this document including responsibilities and requisite documents. Explains the terminology. Gives a clarification of the definitions, concepts and abbreviations used in the document.

**Section 2** – Feature Description. States briefly the background and the purpose of the feature, feature variants and corresponding regions and markets. Also includes input requirements, assumptions and constraints.

**Section 3** – Feature Context describes all external entities, which have an influence on the feature.

**Section 4** – Feature Modeling. Contains Use Case, Driving Scenarios, State Charts to describe the functional behavior of the feature.

**Section 5** – Safety. Lists System Behaviors and Safety Goals of the feature.

**Section 6** – Feature Requirements. Lists functional and non-functional requirements of the feature.

**Section 7** – Architecture. Shows the coarse architecture, which the feature requirements are deployed to. Describes the elements and the boundary of the feature as well as the decomposition and distribution of associated functions.

**Section 8** – List of Open Concerns

**Section 9** – Document Change History including a list of new or modified requirements. The requirements in this document are tagged, and this section contains different types of tables listing all, new, or changed requirements by their title and page no.

**Section 10** – Appendix

**#Hint:** All sections are mandatory, unless explicitly marked by the tag “#Classification” as “optional” or as applicable e.g. to certain domains like “Functional Safety”.

## Document Conventions

### Requirements Templates

Each requirement, use case or scenario in this specification shall follow the corresponding template given in the document template *Specification\_Macros.dotm* at [RE Wiki - Specification Templates](http://wiki.ford.com/display/RequirementsEngineering/Specification+templates?src=contextnavpagetreemode).

#### Identification of requirements

#### Requirements Attributes

The templates provided by *Specification\_Macros.dotm* define a list of attributes for each requirement. This helps to classify the requirement. The attributes are explained at [RE Wiki - Requirements Attributes](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes?src=contextnavpagetreemode).

## References

### Ford Documents

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

| **Reference** | **Title** | **Doc. ID** | **Document Location** | **Revision** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

Table 2: Ford internal Documents *(not specified in SysML model)*

### External Documents and Publications

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

**#Hint:** You may refer to [IEEE Citation Reference](http://www.ieee.org/documents/ieeecitationref.pdf) on how to format a reference.

| **Reference** | **Document / Publication** | **Document Location** |
| --- | --- | --- |
|  |  |  |

Table 3: External documents and publications *(not specified in SysML model)*

## 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)

See Appendix for Definitions and Abbreviations.

### Parameters / Values

| **Name** | **Description** | **Range / Resolution** |
| --- | --- | --- |
|  |  |  |

Table 4: Parameters / Values used in this document *(Not supported by MagicDraw report generation)*

# Feature Overview

## Purpose and Description of Feature

**#Hint:** Some descriptive text to explain the purpose and functionality of the feature.

The Rejuvenate feature is being created to give the customer a space all their own where they can relax and recharge whenever they need – by providing immersive sights, sounds, and scents that appeal to the body’s favorable perception of alliesthesia stimuli to relax, and then rejuvenate them. The feature will also encompass massage seating and orchestrated climate to further the immersion and relaxation. When the customer exits their vehicle, they should do so feeling refreshed and energized – ready to greet the next part of their day with a renewed purpose.



Figure 1: Feature Image Here

## Feature Variants

**#Hint:** Definitions for different variants of the feature (if applicable). Give each variant a descriptive name by which it can be referenced further on in the document. If no variant exists, state “No Feature Variants”.

The Variant Description should give a short informative text which describes the variants of the feature.

|  |  |  |
| --- | --- | --- |
| **Variant Name** | **Variant Description** | **Remarks** |
| **Feature Variant 1** |  |  |

Table 5: Feature Variants

### Regions & Markets

**#Hint:** Description of purpose and functionality of the feature. If there is no variant, give feature name in first column.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Market /**  **Region**  Variant Name | **North America** | **South America** | **Europe** | **Middle East/Africa** | **Asia / Pacific** | **China** |
| **Feature Variant 1** | Mandatory | Optional | Optional | Optional | Optional | Optional |

Table 6: Regions & Markets

## Input Requirements

**#Hint:** List all input requirements, which are relevant for the feature. Typically, attribute requirements, legal requirements as well as national and international standards have to be considered.

### Legal Requirements

* : Compliance with FMVSS101
  + The Feature shall comply with FMVSS101.

### Trustmark Requirements

No Trustmark Requirements specified.

### Industry Standards

* : ISO 26262
  + The system should be developed according to Ford's implementation of Functional Safety.

### Attribute Requirements

* Proj-AR:14 : Example AR

## Lessons Learned

**#Hint:** Additional information and lessons learned from previous development or related features. A typical source for Lessons Learned is the FMA Quality History.

**#Functional Safety:** In context of Functional Safety Lessons Learned and similar information will be used to check the completeness of the Functional Safety Goals and assumptions in the Hazard Analysis and Risk Assessment (HARA).

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

No lessons learned specified.

## Assumptions

**#Classification**: Optional

**#Hint:** A list of known assumptions concerning the effects of the feature’s behavior on other features or elements (i.e., dependencies) as well as assumptions on the behavior expected by the feature (e.g. known limitations). During the course of the feature development most of those assumptions are typically either converted into actual requirements or discarded at some point – such that this chapter remains mostly empty. For assumptions, which are relevant for the Functional Safety process refer to chapter 6.2 “Safety Assumptions”

No Assumptions specified.

# Feature Context

## Feature Context Diagram

**#Hint:** High level diagram of feature interactions with the environment, people or other feature or other external entities.

**#Link:** [RE Wiki - Context Diagram](http://wiki.ford.com/pages/viewpage.action?pageId=107676234&src=contextnavpagetreemode)

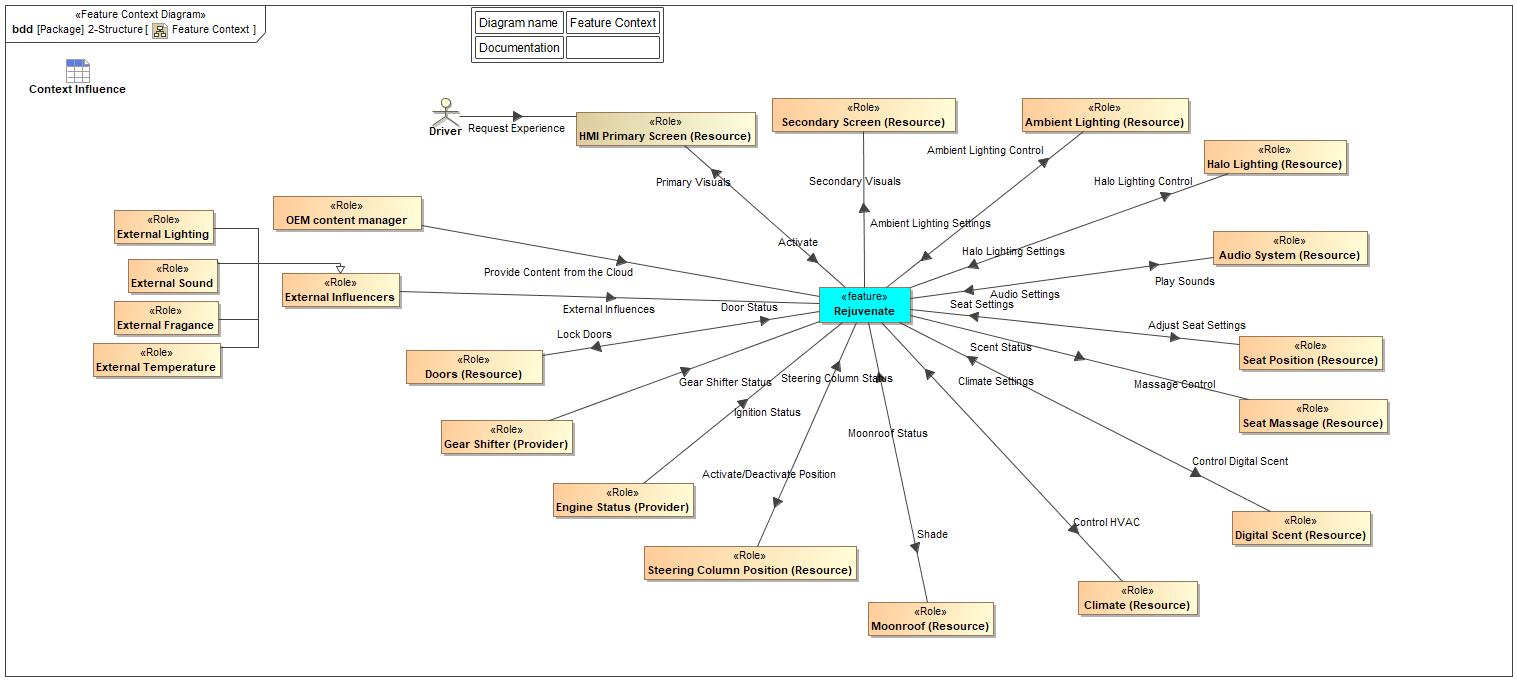


Figure 2: Feature Context

## List of Influences

|  |  |  |
| --- | --- | --- |
| **ID** | **External Entity** | **Influence Description** |
| Activate | HMI Primary Screen (Resource) To Rejuvenate | Main communication of the customer input to begin/customize/end the experience |
| Activate/Deactivate Position | Rejuvenate To Steering Column Position (Resource) | Main communication of the customer input to begin/customize/end the experience |
| Adjust Seat Settings | Rejuvenate To Seat Position (Resource) | Control of seat settings to outside module/system/service(s) |
| Ambient Lighting Control | Rejuvenate To Ambient Lighting (Resource) | Control of Ambient Lighting settings to outside module/system/service(s) |
| Ambient Lighting Settings | Ambient Lighting (Resource) To Rejuvenate | Input of current ambient lighting settings to Rejuvenate feature |
| Audio Settings | Audio System (Resource) To Rejuvenate | Control of audio settings to outside module/system/service(s) |
| Climate Settings | Climate (Resource) To Rejuvenate | Input of current climate settings to Rejuvenate feature |
| Control Digital Scent | Rejuvenate To Digital Scent (Resource) | Control of scent settings to outside module/system/service(s) |
| Control HVAC | Rejuvenate To Climate (Resource) | Control of HVAC settings to outside module/system/service(s) |
| Door Status | Doors (Resource) To Rejuvenate | Input of current door status to Rejuvenate feature |
| External Influences | External Influencers To Rejuvenate | Input of current external influences to Rejuvenate feature |
| Gear Shifter Status | Gear Shifter (Provider) To Rejuvenate | Input of current gear selection status to Rejuvenate feature |
| Halo Lighting Control | Rejuvenate To Halo Lighting (Resource) | Control of Halo Lighting settings to outside module/system/service(s) |
| Halo Lighting Settings | Halo Lighting (Resource) To Rejuvenate | Input of current halo lighting settings to Rejuvenate feature |
| Ignition Status | Engine Status (Provider) To Rejuvenate | Input of current ignition status to Rejuvenate feature |
| Lock Doors | Rejuvenate To Doors (Resource) | Main communication of the customer input to begin/customize/end the experience |
| Massage Control | Rejuvenate To Seat Massage (Resource) | Main communication of the customer input to begin/customize/end the experience |
| Moonroof Status | Moonroof (Resource) To Rejuvenate | Input of current window status to Rejuvenate feature |
| Rejuvenate To Moonroof (Resource) | Input of current window status to Rejuvenate feature |
| Play Sounds | Rejuvenate To Audio System (Resource) | Command of Audio Content to outside module/system/service(s) |
| Primary Visuals | Rejuvenate To HMI Primary Screen (Resource) | Command of Video Content to outside module/system/service(s) |
| Provide Content from the Cloud | OEM content manager To Rejuvenate | Provide theme content from the Cloud |
| Request Experience | Driver To HMI Primary Screen (Resource) | Main HMI for the user to interact with the Rejuvenate feature |
| Scent Status | Digital Scent (Resource) To Rejuvenate | Main communication of the customer input to begin/customize/end the experience |
| Seat Settings | Seat Position (Resource) To Rejuvenate | Input of current seat system settings to Rejuvenate feature |
| Secondary Visuals | Rejuvenate To Secondary Screen (Resource) | Control of displaying the visual content to a secondary display |
| Shade | Rejuvenate To Moonroof (Resource) | Main communication of the customer input to begin/customize/end the experience |
| Steering Column Status | Steering Column Position (Resource) To Rejuvenate | Main communication of the customer input to begin/customize/end the experience |

Table 7: List of Influences

# Feature Modeling

## Operation Modes and States

**#Classification:** Optional (Mandatory for Functional Safety)

**#Link:** [RE Wiki – State Charts](http://wiki.ford.com/display/RequirementsEngineering/State+Charts?src=contextnavpagetreemode)

**#Hint:** State Charts are a popular means to express feature behavior in terms of states and modes. An advantage of this state machine like approach is that consistency can be easily verified.

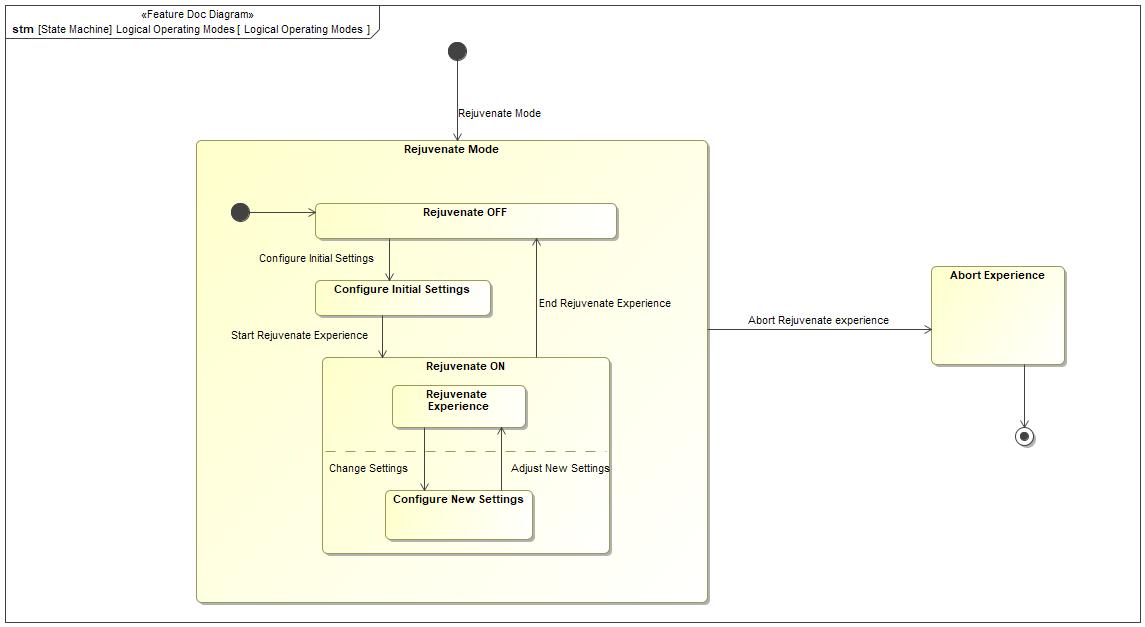


Figure 3: Logical Operating Modes

|  |  |  |
| --- | --- | --- |
| **State** | **Description** | **Requirements Reference** (optional) |
| Abort Experience | Any settings/parameters changed by the feature will be returned to original condition and the user is returned to how they were before the experience. |  |
| Configure Initial Settings | User selects theme, time duration, do-not-disturb option, scent option, seat options and then his start. |  |
| Configure New Settings | During Rejuvenate ON, the user configures different settings and those settings take effect for the remainder of the time. |  |
| Rejuvenate Experience | The overall experience, including “entry”, “relax”, “transition”, “invigorate”, and “exit” phases |  |
| Rejuvenate Mode | The overall feature |  |
| Rejuvenate OFF | The initial state (off) of the Rejuvenate Experience |  |
| Rejuvenate ON | The state of the Rejuvenate Experience running. |  |

Table 8: Operation Modes and States on Logical Operating Modes

|  |  |  |
| --- | --- | --- |
| **Transition ID** | **Description** | **Requirements Reference**  (optional) |
| T1 |  |  |
| T2 | Trigger signal: Adjust New Settings |  |
| T3 | Trigger signal: Configure Initial Settings |  |
| T4 | Trigger signal: End Rejuvenate Experience |  |
| T5 | Trigger signal: Rejuvenate Mode |  |
| T6 |  |  |
| T7 | Trigger signal: Start Rejuvenate Experience |  |
| T8 | Trigger signal: Abort Rejuvenate experience |  |
| T9 | Trigger signal: Change Settings |  |

Table 9: Transitions between Operation Modes and States on Logical Operating Modes

## Use Cases

**#Classification:** Optional

**#Link:** [RE Wiki – Use Cases](http://wiki.ford.com/display/RequirementsEngineering/Use+Cases+Overview?src=contextnavpagetreemodehttp://wiki.ford.com/display/RequirementsEngineering/Use+Cases?src=contextnavpagetreemode)

### Use Case Diagram

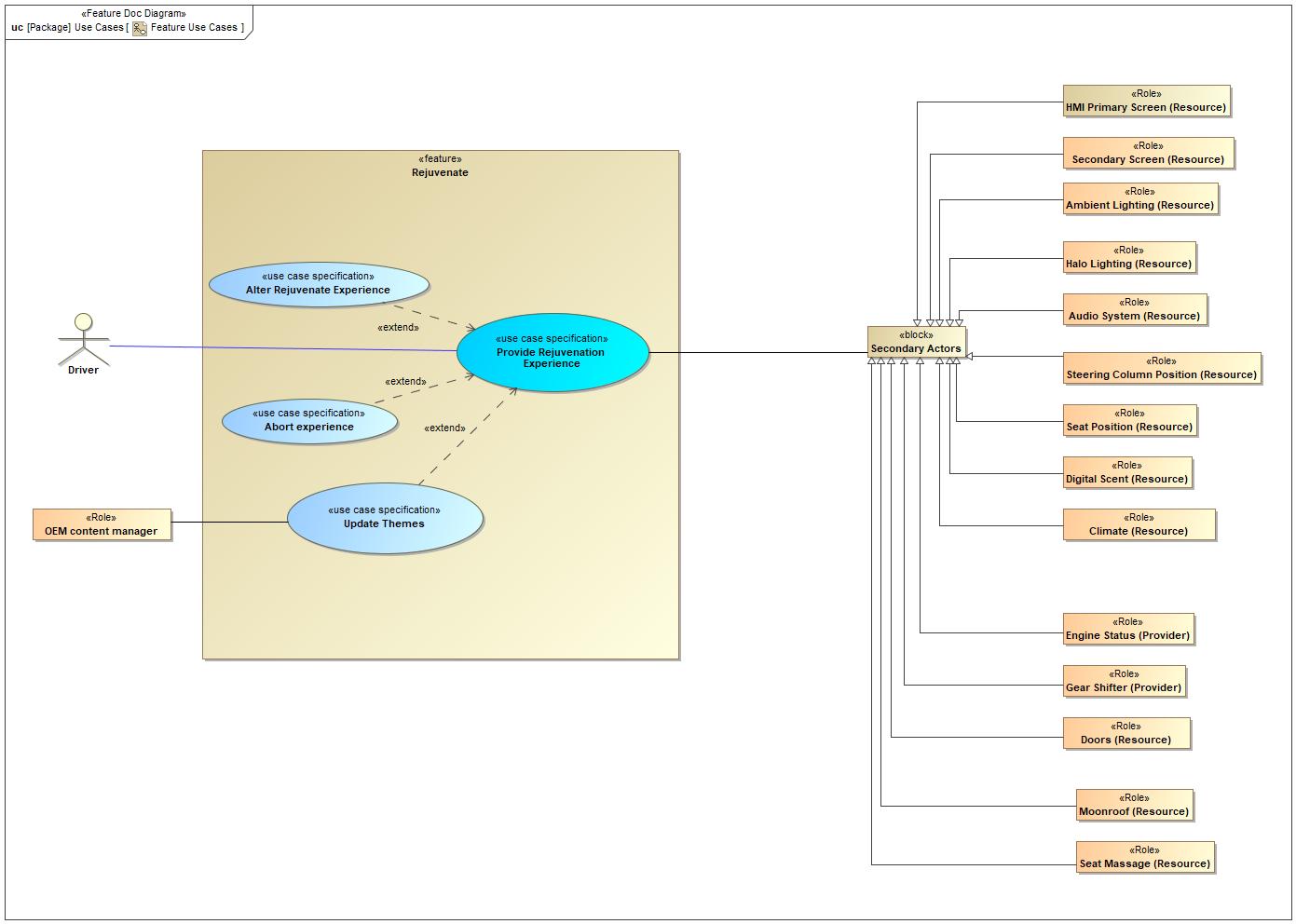


Figure 4: Feature Use Cases

### Actors

| **Actor** | **Description** |
| --- | --- |
| Ambient Lighting (Resource) | Existing system that will be utilized during the experience |
| Audio System (Resource) | Existing system that will be utilized during the experience |
| Climate (Resource) | Existing system that will be utilized during the experience |
| Digital Scent (Resource) | Existing system that will be utilized during the experience |
| Doors (Resource) | Status needed to facilitate abort case(s) |
| Driver | Main occupant the experience is tailored to |
| Engine Status (Provider) | Status needed to facilitate main use case and/or abort cases |
| Gear Shifter (Provider) | Status needed to facilitate main use case and/or abort cases |
| Halo Lighting (Resource) | Existing system that will be utilized during the experience |
| HMI Primary Screen (Resource) | Functionality needed for user interaction, also utilized for visuals during the experience |
| Moonroof (Resource) | Existing system that will be utilized during the experience |
| OEM content manager | Capability of the OEM to push content to the experience from the cloud |
| Seat Massage (Resource) |  |
| Seat Position (Resource) | Existing system that will be utilized during the experience |
| Secondary Actors | Collection of all secondary actors |
| Secondary Screen (Resource) | Existing system that will be utilized during the experience |
| Steering Column Position (Resource) | Existing system that will be utilized during the experience |

Table 10: List of Actors

### Use Case Descriptions

**#Classification:** Optional

Abort experience

|  |  |  |
| --- | --- | --- |
| **Actors** |  |  |
| **Subject** |  | Rejuvenate |
| **Description** |  | The user decides to prematurely abort the experience via HMI or by one of the experience's preconditions no longer being met (vehicle no longer in park, driver door opened, vehicle no longer running). |
| **Preconditions** | PreC1 | The user is currently undergoing the rejuvenate experience |
| **Main Flow Description** |  | The experience is aborted prematurely by the user pressing the End Experience soft button on the main HMI |
| **Main Flow** | M1 | The user presses the End Experience soft button on the main HMI |
| M2 | Rejuvenate stops scenting, stops seat massage, stops seat climate |
| M3 | Rejuvenate recalls the following: Seat Position, Ambient Lighting settings, Halo Lighting settings, PDLC Skylight settings; and returns steering wheel to driving position |
| M4 | Rejuvenate returns the Audio settings and the HMI/screen content to its previous conditions. |
| **Alternative Flow Description** |  | The experience is aborted prematurely by one of the experience's preconditions no longer being met |
| **Alternative Flow Steps** | A1 | The conditions of the vehicle no longer meet the preconditions for the experience to run. |
| A2 | Rejuvenate stops scenting, stops seat massage, stops seat climate |
| A3 | Rejuvenate recalls the following: Seat Position, Ambient Lighting settings, Halo Lighting settings, PDLC Skylight settings; and returns steering wheel to driving position |
| A4 | Rejuvenate returns the Audio settings and the HMI/screen content to its previous conditions |
| **Postconditions** | PostC1 | The Experience has been ended prematurely and the user is returned to the same conditions (seat settings, light settings, etc) as they were in, before the experience. |

Alter Rejuvenate Experience

|  |  |  |
| --- | --- | --- |
| **Actors** |  |  |
| **Subject** |  | Rejuvenate |
| **Description** |  | The user alters settings/parameters while they are undergoing the experience |
| **Preconditions** | PreC1 | The user is currently undergoing the rejuvenate experience |
| **Main Flow Description** |  | The user alters the settings/parameters of the experience via the main HMI in order to provide the experience to their liking |
| **Main Flow** | M1 | The user touches the screen to return to the Rejuvenate feature settings selections |
| M2 | The user selects a toggle (heated seats off, cooled seats off, massage off, digital scent off) on the HMI screen |
| **Postconditions** | PostC1 | The changed setting/feature preferences will be remembered upon next entry into the Rejuvenate HMI |
| PostC2 | The changed settings/features will be reflected throughout the rest of the experience |

Provide Rejuvenation Experience

|  |  |  |
| --- | --- | --- |
| **Actors** |  | Driver |
|  | OEM content manager |
|  | Secondary Actors |
| **Subject** |  | Rejuvenate |
| **Description** |  | User prompts Rejuvenate, selects theme to use (along with other toggles) and goes through the orchestrated experience. |
| **Preconditions** | PreC1 | All Doors are closed |
| PreC2 | The vehicle is on/running |
| PreC3 | The vehicle is stationary |
| **Main Flow Description** |  | User selects the theme and toggles that they would like the experience to adhere to, and then goes through the orchestrated experience; coming out of it relaxed and rejuvenated. |
| **Main Flow** | M1 | User selects Rejuvenate on HMI |
| M2 | User selects theme, time, preview screen toggles |
| M3 | User presses "start experience" |
| M4 | Rejuvenate Feature stores current info for: Seat Position, Ambient Light settings, Halo Lighting settings, PDLC Skylight settings, Audio settings, and Halo Light settings |
| M5 | Rejuvenate feature locks doors |
| M6 | The user will begin to experience the Entry Phase |
| M7 | Rejuvenate feature displays the Entry video, audio & lighting |
| M8 | The user will begin to experience the Relax Phase |
| M9 | Rejuvenate feature will move the seat position, start/change the seat massage, engage Rejuvenate Climate Logic, start/change scenting, change lighting, change moonroof shading, and begin audio/video - all based on desired Relax conditions |
| M10 | The user will begin to experience the Transition Phase |
| M11 | Rejuvenate feature will trigger subtle seat movement to alert the user that a change is coming. |
| M12 | Rejuvenate feature will begin transition in lighting, video/audio (fading out/in) |
| M13 | The user will begin to experience the Invigorate Phase |
| M14 | Rejuvenate feature will move the seat position, start/change the seat massage, engage Rejuvenate Climate Logic, start/change scenting, change lighting, change moonroof shading, and begin audio/video - all based on desired Invigorate conditions |
| M15 | The user will begin to come out of the experience while being returned to the original settings/parameters that they had before the experience began. |
| M16 | Rejuvenate stops scenting, stops seat massage, stops seat climate |
| M17 | Rejuvenate recalls the following: Seat Position, Ambient Light settings, Halo Lighting settings, PDLC Skylight settings, Audio settings, and Halo Light settings |
| M18 | Rejuvenate feature plays the Exit audio/video |
| M19 | Rejuvenate returns the Audio settings and the HMI/screen content to its previous conditions |
| **Postconditions** | PostC1 | The user has completed the experience and is returned to the same conditions (seat settings, light settings, etc) as they were in, previous to the experience. |

Update Themes

|  |  |  |
| --- | --- | --- |
| **Actors** |  | OEM content manager |
| **Subject** |  | Rejuvenate |
| **Description** |  | One or more of the themes inside of Rejuvenate will be updated from the OEM. |
| **Preconditions** | PreC1 | The vehicle has a cellular or wifi connection and is ready for OTA |
| **Main Flow Description** |  | The vehicle has an internet connection, is ready for OTA, and receives OTA so that the next time the user enters the Rejuvenate HMI they will see the updated theme(s) |
| **Main Flow** | M1 | OEM will push theme content out to the vehicle |
| M2 | The pushed content package will replace the stored content in the appropriate locations |
| **Postconditions** | PostC1 | The next time that the user enters the Rejuvenate HMI, the theme changes will be reflected in the imagery/sound and any changes to the experience will be reflected in the actions during the experience |

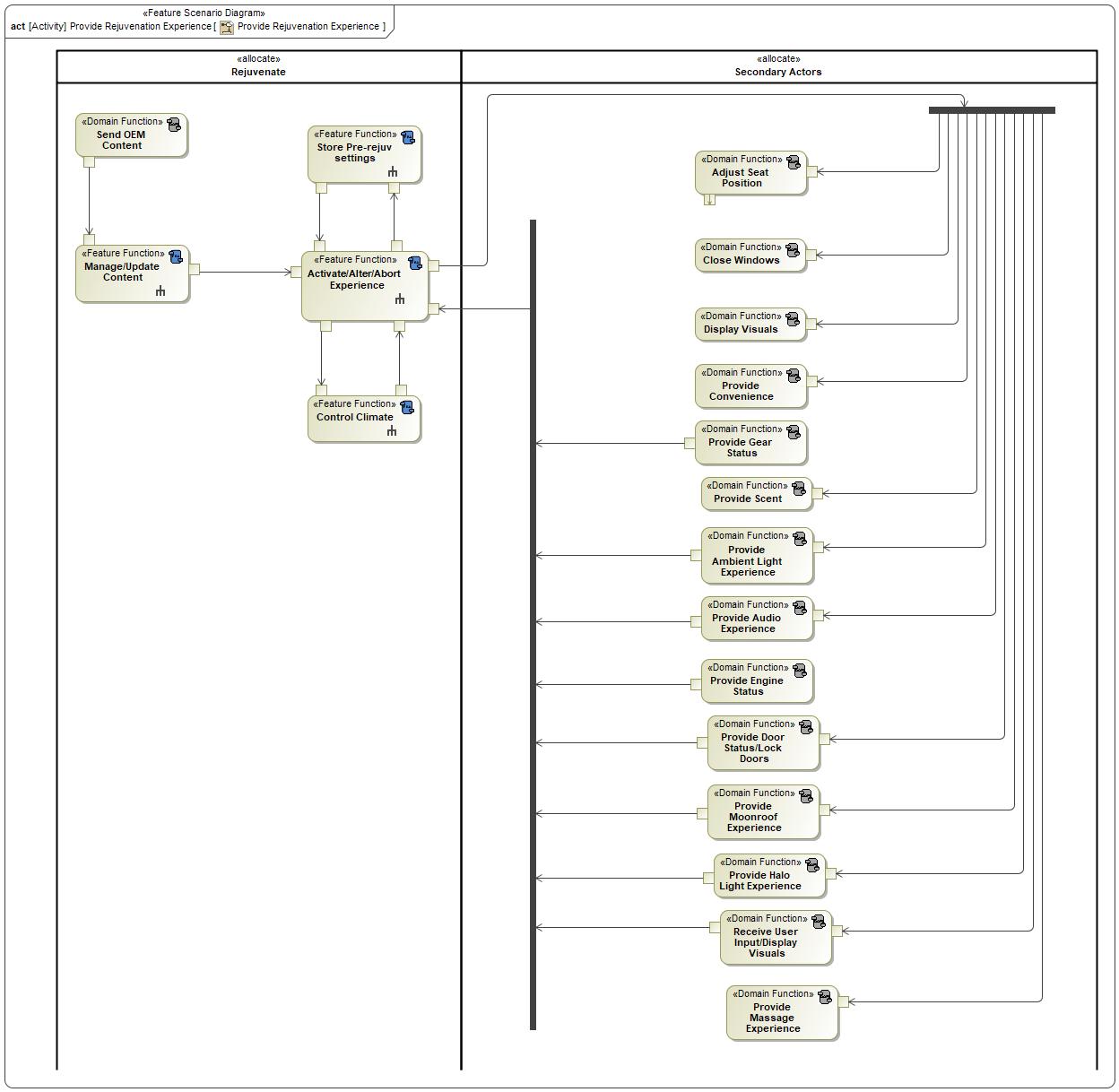
## Driving and Operation Scenarios

**#Classification:** Optional (Mandatory for Functional Safety)

**#Functional Safety:** Driving and operating scenarios which impact the functionality of the feature can be used to check, if the situation analysis in the HARA is complete

**#Link:** [RE Wiki – Driving Scenarios](http://wiki.ford.com/display/RequirementsEngineering/Driving+Scenarios?src=contextnavpagetreemode)

Provide Rejuvenation Experience



|  |
| --- |
| **Flow of Actions** |

## Decision Tables

**#Classification:** Optional

**#Link:** [RE Wiki – Decision Tables](http://wiki.ford.com/display/RequirementsEngineering/Decision+Table).

**#Hint:** Use decision table, if behavior is not state based (in that case prefer state chart from ch. 4.1) and based purely on current inputs.

*Not supported by MagicDraw report generation.*

# Feature Requirements

**#Functional Safety:** In general, safety requirements are not listed here. However, it is possible that later in the development process, a non-safety requirement becomes a safety requirement. In such a case it may remain on this list.

**#Link:** [RE Wiki – How to write good requirements](http://wiki.ford.com/display/RequirementsEngineering/How+to+write+better+requirements?src=contextnavpagetreemode).

## Functional Requirements

Rejuv\_C\_F\_Abort\_01 Engine Off

If, at any time during the experience, the vehicle's engine is changed from the "on/running" status, then the Rejuvenate feature shall immediately be put into the abort sequence.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_02 Driver Door Open

If, at any time during the experience, the vehicle's driver door is openned, then the Rejuvenate feature shall immediately be put into the abort sequence.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_03 In-Motion

If, at any time during the experience, the vehicle's gear is shifted out of park or the vehicle ceases to be stationary, then the Rejuvenate feature shall immediately be put into the abort sequence.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_04 Abort Definition

During the "Abort Sequence", the rejuvenate feature shall perform a scheduled program of actvities.

The scheduled program is defined in DOCUMENT SCHED

The goal of which is to return the cabin of the vehicle to the conditions that it was in before the Rejuvenate Experience as quickly as possible. This will forego any video/audio/lighting experiences associated with the standard ending of the experience.

The main activities of the "Abort Sequence" are:

1) To turn off associated audio/video/lighting associated with the Rejuvenate experience.

2) To recall the settings/parameters for all items which were stored at the beginning of the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_05 Recall Driver Seat Positions Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the value for each of the driver seat positions including:

- position (forward/back) on track

- position (up/down) on track

- cushion track fore/aft

- cushion track up/down

- cushion track tilt

- cushion extension left

- cushion extension right

- back recline

- back upper pivot

- back lumbar (mechanical or bladders)

- head rest fore/aft

- head rest up/down

- cushion bolster bladders

- back bolster bladders

- calf raise (up-down)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_06 Recall - Steering Wheel Position Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the original Steering Wheel Position

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_07 Recall - Audio Settings Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the appropriate settings for Audio, including but not limited to audio input, audio volume, treble, bass, balance, fade, etc.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_08 Recall - HVAC climate settings Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the settings for climate, including but not limited to set temperature, blower mode, blower speed, etc.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_09 Recall - EM Register Settings Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the settings for the EM Registers including but not limited to set position, etc.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_10 Recall - Ambient Light settings Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the settings for the Ambient lighting system including but not limited to set color, intensity.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Abort\_11 Recall - Halo Lighting settings Abort

Upon entering the "Abort Sequence", the rejuvenate feature shall recall the settings for the Halo Lighting feature including but not limited to set color, intensity.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Abort\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Arbitration\_01 Halo Light Inhibit

Upon starting the experience, the rejuvenate feature shall inhibit outside sources from changing the Halo lighting scheme.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Arbitration\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Arbitration\_02 MSS Store

Upon starting the experience, the rejuvenate feature shall store the current setting of the individual sound zones of the My Seat Space feature to be recalled at a later time

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Arbitration\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Arbitration\_03 MSS Set

Upon starting the experience, the rejuvenate feature shall disable the individual sound zones of the My Seat Space feature.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Arbitration\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Arbitration\_04 MSS Recall

Upon ending the experience (whether through the "exit phase" or through the "abort sequence"), the rejuvenate feature shall recall the stored settings of the individual sound zones of the My Seat Space feature. This recalled setting shall be applied, so that the user is returned to their prefered setting.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Arbitration\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_01 Entry Defintion

During the "Entry Phase", the rejuvenate feature shall perform a scheduled program of actvities.

The scheduled program is defined in DOCUMENT SCHED

The goal of which is to prepare the cabin of the vehicle for the Rejuvenate Experience.

The main activities of the "Entry Phase" are:

1) To store the current value for these items:

- Driver Seat Position

- position (forward/back) on track

- position (up/down) on track

- cushion track fore/aft

- cushion track up/down

- cushion track tilt

- cushion extension left

- cushion extension right

- back recline

- back upper pivot

- back lumbar (mechanical or bladders)

- head rest fore/aft

- head rest up/down

- cushion bolster bladders

- back bolster bladders

- calf raise (up-down)

- PDLC Skylight settings (if available)

- Audio settings

- source

- volume

- HVAC climate settings

- temp

- mode

- blower

- Electro Mechanical Air Registers settings (if available)

- Ambient Light

- color

- intensity

- Halo Lighting settings (if available)

2) Display the "entry" imagery and audio

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_02 Begin

After the user has selected to begin the rejuvenate experience, the rejuvenate feature shall be in the "Entry Phase"

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_03 Save Current - Driver Seat Positions

Upon entering the "Entry Phase", the rejuvenate feature shall read and store the current value for each of the driver seat positions including:

- position (forward/back) on track

- position (up/down) on track

- cushion track fore/aft

- cushion track up/down

- cushion track tilt

- cushion extension left

- cushion extension right

- back recline

- back upper pivot

- back lumbar (mechanical or bladders)

- head rest fore/aft

- head rest up/down

- cushion bolster bladders

- back bolster bladders

- calf raise (up-down)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_04 Save Current - Audio Settings

Upon entering the "Entry Phase", the rejuvenate feature shall read and store the appropriate settings for Audio, including but not limited to audio input, audio volume, treble, bass, balance, fade, etc; in order to be recalled at a later time.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_05 Save Current - HVAC Climate Settings

Upon entering the "Entry Phase", the rejuvenate feature shall read and store the current settings for climate, including but not limited to set temperature, blower mode, blower speed, etc; in order to be recalled at a later time

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_06 Save Current - EM Register Settings

Upon entering the "Entry Phase", the rejuvenate feature shall read and store the current settings for the EM Registers including but not limited to set position, etc; in order to be recalled at a later time

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_07 Save Current - Ambient Light Settings

Upon entering the "Entry Phase", the rejuvenate feature shall read and store the current settings for the Ambient lighting system including but not limited to set color, intensity; in order to be recalled at a later time

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_08 Save Current - Halo Lighting Settings

Upon entering the "Entry Phase", the rejuvenate feature shall read and store the current settings for the Halo Lighting feature including but not limited to set color, intensity; in order to be recalled at a later time

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_09 Setup - Doors Locked

During the "Entry Phase" the rejuvenate feature shall command the doors to be locked, in order to begin the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_10 Setup - Steering Wheel Position

During the "Entry Phase" and after saving the current settings, the rejuvenate feature shall command that the steering wheel/column are stowed or pushed away from the user, in order to begin the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_11 Audio Entry

During the "Entry Phase", the rejuvenate feature shall play the desired audio.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_12 Imagery Main Entry

During the "Entry Phase", the rejuvenate feature shall display the desired imagery on the main screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_13 Imagery Secondary Entry

During the "Entry Phase", the rejuvenate feature shall display the desired imagery on the secondary screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_14 Ambient Light Entry

During the "Entry Phase", the rejuvenate feature shall provide the desired Ambient Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_15 Halo Light Entry

During the "Entry Phase", the rejuvenate feature shall provide the desired Halo Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_15 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Entry\_16 Trans to Relax

Rejuvenate feature shall transition from "Entry Phase" to "Relax Phase" once the following actions have been completed:

- the "entry display" image/video has been displayed and allowed to play for its duration

- the "entry lighting" light color and intenisty have been output via ambient lighting and/or halo lighting

- the "entry audio" has been output via the vehicle's audio system and allowed to play for its duration

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Entry\_16 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_01 Exit Definition

During the "Exit Phase", the rejuvenate feature shall perform a scheduled program of actvities.

The scheduled program is defined in DOCUMENT SCHED

The goal of which is to return the cabin of the vehicle to the conditions that it was in before the Rejuvenate Experience.

The main activities of the "Exit Phase" are:

1) To recall the settings/parameters for the following items:

- Driver Seat Position

- position (forward/back) on track

- position (up/down) on track

- cushion track fore/aft

- cushion track up/down

- cushion track tilt

- cushion extension left

- cushion extension right

- back recline

- back upper pivot

- back lumbar (mechanical or bladders)

- head rest fore/aft

- head rest up/down

- cushion bolster bladders

- back bolster bladders

- calf raise (up-down)

- PDLC Skylight settings (if available)

- Audio settings

- source

- volume

- HVAC climate settings

- temp

- mode

- blower

- Electro Mechanical Air Registers settings (if available)

- Ambient Light

- color

- intensity

- Halo Lighting settings (if available)

2) Display the "exit" imagery and audio

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_02 Recall - Driver Seat Positions Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the value for each of the driver seat positions including:

- position (forward/back) on track

- position (up/down) on track

- cushion track fore/aft

- cushion track up/down

- cushion track tilt

- cushion extension left

- cushion extension right

- back recline

- back upper pivot

- back lumbar (mechanical or bladders)

- head rest fore/aft

- head rest up/down

- cushion bolster bladders

- back bolster bladders

- calf raise (up-down)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_03 Recall - Steering Wheel Position Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the original Steering Wheel Position

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_04 Recall - Audio Settings Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the appropriate settings for Audio, including but not limited to audio input, audio volume, treble, bass, balance, fade, etc.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_05 Recall - HVAC climate settings Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the settings for climate, including but not limited to set temperature, blower mode, blower speed, etc.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_06 Recall - EM Register Settings Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the settings for the EM Registers including but not limited to set position, etc.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_07 Audio Exit

During the "Exit Phase", the rejuvenate feature shall play the desired audio.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_08 Imagery Main Exit

During the "Exit Phase", the rejuvenate feature shall display the desired imagery on the main screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_09 Imagery Secondary Exit

During the "Exit Phase", the rejuvenate feature shall display the desired imagery on the secondary screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_10 Ambient Light Exit

During the "Exit Phase", the rejuvenate feature shall provide the desired Ambient Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_11 Halo Light Exit

During the "Exit Phase", the rejuvenate feature shall provide the desired Halo Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_12 Recall - Ambient Light Settings Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the settings for the Ambient lighting system including but not limited to set color, intensity.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Exit\_13 Recall - Halo Lighting Settings Exit

Upon entering the "Exit Phase", the rejuvenate feature shall recall the settings for the Halo Lighting feature including but not limited to set color, intensity.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Exit\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_01 Invigorate Definition

During the "Invigorate Phase", the rejuvenate feature shall perform a scheduled program of activities.

The goal of which is to make the user feel Invigorated.

The scheduled program will specify how the rejuvenate feature controls the experience by listing specific timing/setting/control of other features in the vehicle.

These other features will include, but not be limited to, the following:

- Driver Seat Position

- Driver Seat massage settings

- this can contain different settings at different times (not just a static setting)

- Audio playback

- specific audio will play during the duration of the "Invigorate Phase"

- Display image/video playback

- specific visuals will be used during the duration of the "Invigorate Phase"

- HVAC climate settings

- temperature will be controlled to provide warmth and coolness orchestrated in a specific manner (not just a static setting)

- Electro-Mechanical Air Register settings (if available)

- will be controlled to provide breeze/oscillation orchestrated in a specific manner (not just a static setting)

- Seat Heat/Cool settings

- temperature will be controlled to provide warmth and coolness orchestrated in a specific manner (not just a static setting)

- Ambient Light

- Light will be controlled to provide a specific experience (may include fading, etc - not just a static color/intensity)

- Halo Lighting settings (if available)

- Light will be controlled to provide a specific experience (may include fading, etc - not just a static color/intensity)

The scheduled program is defined in DOCUMENT SCHED

Details of each activity mentioned to be provided in subsequent requirements

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_02 Seat Pos Invigorate

During the "Invigorate Phase", the rejuvenate feature shall adjust the Driver Seat Position to the "Invigorate" position.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_03 Seat Params Profile

Before issuing the request for the seat to move to this position, the Rejuvenate feature shall check if there is a position saved for Rejuvenate (Invigorate) in the active profile. If this position is available in the active profile, its positional data takes precedence over the data in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_04 Seat Pos Save PPP Invigorate

During the "Invigorate Phase", and after the seat has been adjusted to the appropriate position:

The rejuvenate feature shall allow the user to adjust their seat position, via normal seat position controls.

If the user has a profile active which has the auto save capability, then the position that was adjusted to shall be saved into their profile.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_05 Seat Pos Alter Invigorate

During the "Invigorate Phase", and after the seat has been adjusted to the appropriate position:

The rejuvenate feature shall allow the user to adjust their seat position, via normal seat position controls.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_06 Massage Invigorate

During the "Invigorate Phase", the rejuvenate feature shall provide the desired seat massage experience for the "Invigorate Phase".

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_07 Audio Invigorate

During the "Invigorate Phase", the rejuvenate feature shall play the desired audio.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_08 Imagery Main Invigorate

During the "Invigorate Phase", the rejuvenate feature shall display the desired imagery on the main screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_09 Imagery Secondary Invigorate

During the "Invigorate Phase", the rejuvenate feature shall display the desired imagery on the secondary screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_10 Climate Invigorate

During the "Invigorate Phase", the rejuvenate feature shall provide the desired climate experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_11 EM Regs Invigorate

During the "Invigorate Phase", the rejuvenate feature shall provide the desired EM Registers enhanced climate experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_12 Seat Climate Invigorate

During the "Invigorate Phase", the rejuvenate feature shall provide the desired Seat Climate experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_13 Ambient Light Invigorate

During the "Invigorate Phase", the rejuvenate feature shall provide the desired Ambient Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_14 Halo Light Invigorate

During the "Invigorate Phase", the rejuvenate feature shall provide the desired Halo Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Invigorate\_15 Trans to Exit

Rejuvenate feature shall switch from "Invigorate Phase" to "Exit Phase" once the "Invigorate Phase" has been allowed to run through its scheduled program which has been defined in DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Invigorate\_15 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_OTA\_01 OEM OTA

When called upon to do so, and if the vehicle has an active cellular data connection, the rejuvenate feature shall be able to receive an OTA package that can replace the existing content of a theme with different and/or updated content.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_OTA\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Preconds\_01 Engine On

The Rejuvenate feature shall only be allowed to initialize if the vehicle Engine status is "on/running"

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Preconds\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Preconds\_02 Doors Closed

The Rejuvenate feature shall only be allowed to initialize if the vehicles doors are closed

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Preconds\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Preconds\_03 Stationary

The Rejuvenate feature shall only be allowed to initialize if the vehicle is in Park and is stationary

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Preconds\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_01 Relax Definition

During the "Relax Phase", the rejuvenate feature shall perform a scheduled program of activities.

The goal of which is to make the user feel relaxed.

The scheduled program will specify how the rejuvenate feature controls the experience by listing specific timing/setting/control of other features in the vehicle.

These other features will include, but not be limited to, the following:

- Driver Seat Position

- Driver Seat massage settings

- this can contain different settings at different times (not just a static setting)

- Audio playback

- specific audio will play during the duration of the "Relax Phase"

- Display image/video playback

- specific visuals will be used during the duration of the "Relax Phase"

- HVAC climate settings

- temperature will be controlled to provide warmth and coolness orchestrated in a specific manner (not just a static setting)

- Electro-Mechanical Air Register settings (if available)

- will be controlled to provide breeze/oscillation orchestrated in a specific manner (not just a static setting)

- Seat Heat/Cool settings

- temperature will be controlled to provide warmth and coolness orchestrated in a specific manner (not just a static setting)

- Ambient Light

- Light will be controlled to provide a specific experience (may include fading, etc - not just a static color/intensity)

- Halo Lighting settings (if available)

- Light will be controlled to provide a specific experience (may include fading, etc - not just a static color/intensity)

The scheduled program is defined in DOCUMENT SCHED

Details of each activity mentioned to be provided in subsequent requirements

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_02 Seat Pos Relax

During the "Relax Phase", the rejuvenate feature shall adjust the Driver Seat Position to the "relax" position.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_03 Profile Seat Params

Before issuing the request for the seat to move to this position, the Rejuvenate feature shall check if there is a position saved for Rejuvenate (relax) in the active profile. If this position is available in the active profile, its positional data takes precedence over the data in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_04 Seat Pos Save PPP Relax

During the "Relax Phase", and after the seat has been adjusted to the appropriate position:

The rejuvenate feature shall allow the user to adjust their seat position, via normal seat position controls.

If the user has a profile active which has the auto save capability, then the position that was adjusted to shall be saved into their profile.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_05 Seat Pos Alter Relax

During the "Relax Phase", and after the seat has been adjusted to the appropriate position:

The rejuvenate feature shall allow the user to adjust their seat position, via normal seat position controls.

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_06 Massage Relax

During the "Relax Phase", the rejuvenate feature shall provide the desired seat massage experience for the "Relax Phase".

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_07 Audio Relax

During the "Relax Phase", the rejuvenate feature shall play the desired audio.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_08 Imagery Main Relax

During the "Relax Phase", the rejuvenate feature shall display the desired imagery on the main screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_09 Imagery Secondary Relax

During the "Relax Phase", the rejuvenate feature shall display the desired imagery on the secondary screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_10 Climate Relax

During the "Relax Phase", the rejuvenate feature shall provide the desired climate experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_11 EM Regs Relax

During the "Relax Phase", the rejuvenate feature shall provide the desired EM Registers enhanced climate experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_12 Seat Climate Relax

During the "Relax Phase", the rejuvenate feature shall provide the desired Seat Climate experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_13 Ambient Light Relax

During the "Relax Phase", the rejuvenate feature shall provide the desired Ambient Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_14 Halo Light Relax

During the "Relax Phase", the rejuvenate feature shall provide the desired Halo Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Relax\_15 Trans to Trans

Rejuvenate feature shall switch from "Relax Phase" to "Transition Phase" once the "Relax Phase" has been allowed to run through its scheduled program which has been defined in DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Relax\_15 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Toggles\_01 Heated Seat off

If the user has selected Heated Seats to be inactive at any time during the experience, then the Rejuvenate feature shall not request the heated seats to be utilized during the remainder of the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Toggles\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Toggles\_02 Cooled Seat off

If the user has selected Cooled Seats to be inactive at any time during the experience, then the Rejuvenate feature shall not request the Cooled seats to be utilized during the remainder of the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Toggles\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Toggles\_03 Massage Seat off

If the user has selected Massage Seats to be inactive at any time during the experience, then the Rejuvenate feature shall not request the Massage seats to be utilized during the remainder of the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Toggles\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Toggles\_04 Digital Scent off

If the user has selected Scent to be inactive at any time during the experience, then the Rejuvenate feature shall not request the Scent to be utilized during the remainder of the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Toggles\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_01 Transition Definition

During the "Transition Phase", the rejuvenate feature shall perform a scheduled program of activities.

The goal of which is to alert the user to the upcoming changes which will be part of the "Invigorate Phase".

The scheduled program will include, but not be limited to, the following:

- Driver Seat Position

- the lower and side cushions on the seat will subtly tighten and hug the driver to alert them to a slight change

- Driver Seat Massage settings

- the massage will turn off

- Display image/video playback

- specific visuals will be used during the duration of the "Transition Phase"

- Audio playback

- specific audio will play during the duration of the "Transition Phase"

- Ambient Light

- Light will be controlled to provide a smooth shift from "Relax Phase" to the upcoming "Invigorate Phase"

- Halo Lighting (if available)

- Light will be controlled to provide a smooth shift from "Relax Phase" to the upcoming "Invigorate Phase"

The scheduled program is defined in DOCUMENT SCHED

Details of each activity mentioned to be provided in subsequent requirements

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_02 Seat Adj Transition

During the "Transition Phase", the rejuvenate feature shall adjust the Driver Seat Position

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_03 Massage Adjust

During the "Transition Phase", the rejuvenate feature shall make adjustments to the Seat Massage settings.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_04 Audio Transition

During the "Transition Phase", the rejuvenate feature shall play the desired audio.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_05 Imagery Main Transition

During the "Transition Phase", the rejuvenate feature shall display the desired imagery on the main screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_06 Imagery Secondary Transition

During the "Transition Phase", the rejuvenate feature shall display the desired imagery on the secondary screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_07 Ambient Light Transition

During the "Transition Phase", the rejuvenate feature shall provide the desired Ambient Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_08 Halo Light Transition

During the "Transition Phase", the rejuvenate feature shall provide the desired Halo Light experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_Transition\_09 Trans to Invigorate

Rejuvenate feature shall switch from "Transition Phase" to "Invigorate Phase" once the "Transition Phase" has been allowed to run through its scheduled program which has been defined in DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_Transition\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_01 Theme Processing

The Rejuvenate feature shall have the ability to translate the user input parameters into parameters which make sense to the system.

Each theme which is graphically (and textually) represented to the user shall relate to a theme number which is understood by further processes inside of the rejuvenate feature logic.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_02 Toggles

The Rejuvenate feature shall have the ability to translate the user input parameters into parameters which make sense to the system.

Each toggle which is graphically (and textually) represented to the user shall relate to a parameter is understood by further processes inside of the rejuvenate feature logic.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_03 Input Storage

The Rejuvenate feature shall store the user inputs into memory to be referrenced later

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_04 Ambient Light Theme

The Rejuvenate feature shall process the selected theme into the correct settings associated with that theme, in this case the correct Ambient Light color/brightness.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_05 Halo Light Theme

The Rejuvenate feature shall process the selected theme into the correct settings associated with that theme, in this case the correct Halo Light color/brightness.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_06 Audio Content Processing

The Rejuvenate feature shall process the selected theme into the correct settings associated with that theme, in this case the correct Audio Content/Settings.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_07 Visuals Theme

The Rejuvenate feature shall process the selected theme into the correct settings associated with that theme, in this case the correct Video Content.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_08 Theme Processing Scent

The Rejuvenate feature shall process the selected theme into the correct settings associated with that theme, in this case the correct Scent.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_UI Theme Processing\_09 Orchestration Schedule

The Rejuvenate feature shall run a schedule of orchestration which triggers all actions to happen at the appropriate time.

The actions include, but are not limited to:

storing/recalling settings, commanding values for settings, dictating when to display/output imagery/audio.

This schedule is represented in "phases" such as: Entry, Relax, Transition, Invigorate, Exit

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_UI Theme Processing\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

### Error Handling

No Error Handling Requirements specified.

## Non-Functional Requirements

***#Hint:*** *Non-functional requirements specify some performance criteria in addition to the functional behavior given defined by the functional requirements. Timing (if not already included in the functional requirements), security details (e.g. how secure does an algorithm have to be) reliability (e.g. mean time between failure) or maintainability could be specified in this section.*

### Safety

**#Hint:** Only those safety requirements, which are not related to Functional Safety (ISO26262) should go here. For Functional Safety refer to chapter 6 “Functional Safety”.

*Not supported by MagicDraw report generation.*

### Security

No Security Requirements specified.

### Reliability

No Reliability Requirements specified.

## HMI Requirements

**#Hint:** Requirements in this section could specify details of e.g. the icons, the GUI or the sounds.

Rejuv\_C\_F\_HMI\_01 Definition Basic

The Rejuvenate feature shall provide a user interface which allows the user to select parameters for their experience.

These parameters include but are not limited to:

Theme, Time (Duration), Do-Not-Disturb, Heated Seat, Cooled Seat, Massage, Scent.

This user interface shall be present on the standard HMI screen.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_02 HMI Definition

The Rejuvenate feature shall provide a user interface which allows the user to select parameters for their experience.

These parameters include but are not limited to:

Theme, Time (Duration), Do-Not-Disturb, Heated Seat, Cooled Seat, Massage, Scent.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_03 Time

Before beginning the experience, the Rejuvenate feature shall provide a user interface which allows the user to select the amount of time (5,10, 20 min) that the Rejuvenate Experience will operate

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_04 Theme Selection

Before beginning the experience, the Rejuvenate feature shall provide a user interface which allows the user to select the theme that will be used during the Rejuvenate Experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_05 Start Button

The Rejuvenate feature shall provide a user interface which allows the user to begin the Rejuvenate Experience via the press of button

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_06 DND

The Rejuvenate feature shall provide a user interface which allows the user to select whether or not Do-Not-Disturb Mode is active.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_07 Custom: Heated Seat

The Rejuvenate feature shall provide a user interface which allows the user to disable potentially polarizing features, specifically Heated Seat, at any time during the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_08 Custom: Cooled Seat

The Rejuvenate feature shall provide a user interface which allows the user to disable potentially polarizing features, specifically Cooled Seat, at any time during the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_09 Custom: Seat Massage

The Rejuvenate feature shall provide a user interface which allows the user to disable potentially polarizing features, specifically Seat Massage, at any time during the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_10 Custom: Digital Scent

The Rejuvenate feature shall provide a user interface which allows the user to disable potentially polarizing features, specifically Scent, at any time during the experience.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_11 Custom: Meditation Audio

The Rejuvenate feature shall provide a user interface which allows the user to disable potentially polarizing features, specifically Meditation Audio.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_12 Custom Last Setting: Heated Seat

The Rejuvenate feature shall display the last selected settings in regards to if the user disabled Heated Seats, so that the user could start the experience with the same settings without having to reselect them.

These settings will be either of the below, depending on availability (listed in priority order highest to lowest):

1) Personalized based on user profile

2) The last used selection

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_13 Custom Last Setting: Cooled Seat

The Rejuvenate feature shall display the last selected settings in regards to if the user disabled Cooled Seats, so that the user could start the experience with the same settings without having to reselect them.

These settings will be either of the below, depending on availability (listed in priority order highest to lowest):

1) Personalized based on user profile

2) The last used selection

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_14 Custom Last Setting: Seat Massage

The Rejuvenate feature shall display the last selected settings in regards to if the user disabled Seat Massage, so that the user could start the experience with the same settings without having to reselect them.

These settings will be either of the below, depending on availability (listed in priority order highest to lowest):

1) Personalized based on user profile

2) The last used selection

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_15 Custom Last Setting: Digital Scent

The Rejuvenate feature shall display the last selected settings in regards to if the user disabled Scent, so that the user could start the experience with the same settings without having to reselect them.

These settings will be either of the below, depending on availability (listed in priority order highest to lowest):

1) Personalized based on user profile

2) The last used selection

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_15 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_16 Custom Last Setting DND

The Rejuvenate feature shall display the last selected settings in regards to if the user enabled Do-Not-Disturb, so that the user could start the experience with the same settings without having to reselect them.

These settings will be either of the below, depending on availability (listed in priority order highest to lowest):

1) Personalized based on user profile

2) The last used selection

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_16 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_17 Custom Last Setting: Meditation Audio

The Rejuvenate feature shall display the last selected settings in regards to if the user enabled Meditation Audio, so that the user could start the experience with the same settings without having to reselect them.

These settings will be either of the below, depending on availability (listed in priority order highest to lowest):

1) Personalized based on user profile

2) The last used selection

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_17 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_18 Abort Button

The Rejuvenate feature shall provide a user interface during the experience which allows the user to abort the experience at all times.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_18 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_F\_HMI\_19 Theme Graphics

The HMI that the rejuvenate feature provides shall accurately represent the installed themes which are available via the appropriate graphics.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_F\_HMI\_19 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** |  | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

## Other Requirements

### Design Requirements

***#Hint:*** *Requirements of a Logical Function should be typically agnostic of their SW/HW implementation*. If for specific reasons the function owner needs to define explicitly design constraints on the solution, it can be done in this chapter.

*Not supported by MagicDraw report generation.*

### Manufacturing Requirements

No Manufacturing Requirements specified.

### Service Requirements

**#Hint:** Requirements in this section could specify, e.g. what needs to be considered, if individual ECUs are replaced or new SW is flashed to ECUs (parameter set in non-volatile memory might get inconsistent and needs also to be updated).

#### **Cloud Connectivity Data Analytics Requirements**

**#Hint:** All features must consider opportunity for prognostics using cloud connectivity and data analytics. Use the Feature Data Analytics Creation Tool to identify the list of data elements that could help with the following:

* Confirm customer usage of the feature
* Early identification of feature failure modes and causes
* Data elements that help with feature reductive design

**#Link:** Feature Data Analytics Creation Tool (work in progress, no link available yet).

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Element (Variable)** | **Data Element Description** | **Purpose** | **Value/Opportunity** |
| **Data Elements for Customer Outputs** |  |  |  |
| Rejuvenate Feature Activation | Feature activation details | - If the feature is used often, we can make judgments on adding to Ford Programs (instead of just Lincoln), and we can also make judgments about how much effort goes in to advancing this feature, increasing customer satisfaction - details needed at time of activation:   time/date  location  conditions (lighting, outside temp)  time in vehicle prior to activation  usages over life of vehicle | - customer satisfaction |
| **Data Elements for Customer Inputs** |  |  |  |
| Customizations Upon Activation | User selected customizations upon feature activation | - Determine how to modify the feature/experience, increasing customer satisfaction and possible reductive design - customizations to track (including how often chosen):  Theme selection  Time selection  Scent on/off  incl which scent chosen  Heated Seats on/off  Cooled Seats on/off  Massage on/off  Meditation Audio on/off  Do not Disturb on/off | - customer satisfaction - reductive design |
| Customization During Experience | User selected customizations during the experience | - Determine how to modify the feature/experience, increasing customer satisfaction and possible reductive design - customizations to track (can be chosen on screen during experience):  Scent on/off  Heated Seats on/off  Cooled Seats on/off  Massage on/off | - customer satisfaction - reductive design |
| Customer Alterations via Manual Controls | User altering settings via manual controls such as seat switches and climate hard buttons | - Determine how to modify the feature/experience, increasing customer satisfaction and possible reductive design - alterations to track (including how often this is happening):  seat position changes via seat switches  climate changes via hard buttons | - customer satisfaction - reductive design |
| Early Experience Aborting | User aborting the experience early | - Determine how to modify the feature/experience, increasing customer satisfaction and possible reductive design - early abortion methods to track (including how often this is happening, and time elapsed prior to abortion):  shift out of park  driver door opened  engine turned off  phone call | - customer satisfaction - reductive design |
| **Data Elements for Customer Level Failure Modes** |  |  |  |
| SYNC HMI does not accept inputs from customer | SYNC HMI malfunction | - Track SYNC reliability issues (reguarding Rejuvenate) in order to improve reliability and reduce warranty concerns. - including:  frequency of malfunction  length of malfunction | - reliable SYNC system - warranty |
| SYNC HMI does not accurately show customer selections |
| SYNC HMI does not display do-not-disturb pop-up |
| no, or late, seat movement | Experience not as intended | - Track Rejuvenate reliability issues in order to improve reliability and reduce warranty concerns. - including:  frequency of malfunction  length of malfunction | - reliable Rejuvenate Feature - warranty |
| no, or late, scent |
| no, or late, massage |
| no, or late, steering column movement |
| no, or late, light activations/changes |
| no, or late, moonroof alterations |

No Service Requirements specified.

### After Sales Requirements

**#Hint:** Requirements in this section could specify, e.g. input for the Owner’s Manual could be gathered.

No After Sales Requirements specified.

### Process Requirements

**#Hint**: Requirements in this section are relevant for the development process of the feature, e.g. ISO26262 compliance.

No Process Requirements specified.

### Uncategorized Requirements

***#Hint:*** *Requirements* in this section are in scope of this Feature Document but do not fit in any of the previous categories.

Rejuv\_C\_NF\_Entry\_01 Audio Timing Entry

The exact timing, during the "Entry Phase", in which the rejuvenate feature is playing the "Entry" audio is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_02 Audio Content Entry

The audio content that the rejuvenate feature plays during the "Entry Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_03 Imagery Timing Entry

The exact timing, during the "Entry Phase", in which the rejuvenate feature is displaying the "Entry" imagery is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_12 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_04 Imagery Content Entry

The imagery content that the rejuvenate feature plays during the "Entry Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_12 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_05 Imagery Secondary Timing Entry

The exact timing, during the "Entry Phase", in which the rejuvenate feature is displaying the "Entry" imagery on the secondary screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_13 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_06 Imagery Secondary Content Entry

The imagery content that the rejuvenate feature displays on the secondary screen during the "Entry Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_13 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_07 Ambient Light Entry Content

The parameters/settings to provide the desired Ambient Light experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_14 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_08 Halo Light Timing Entry

The exact timing, during the "Entry Phase", in which the rejuvenate feature is providing the desired Halo Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_15 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Entry\_09 Halo Light Content Entry

The parameters/settings to provide the desired Halo Light experience during the "Entry Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Entry\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Entry\_15 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_01 Audio Timing Exit

The exact timing, during the "Exit Phase", in which the rejuvenate feature is playing the desired audio is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_02 Audio Content Exit

The parameters/settings to provide the desired audio experience in the "Exit Phase" are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_03 Imagery Main Timing Exit

The exact timing, during the "Exit Phase", in which the rejuvenate feature displays the desired imagery on the main screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_04 Imagery Main Content Exit

The parameters/settings and content to provide the desired imagery during the "Exit Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_05 Imagery Secondary Timing Exit

The exact timing, during the "Exit Phase", in which the rejuvenate feature displays the desired imagery on the secondary screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_09 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_06 Imagery Secondary Content Exit

The parameters/settings and content to provide the desired imagery on the secondary screen during the "Exit Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_09 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_07 Ambient Light Timing Exit

The exact timing, during the "Exit Phase", in which the rejuvenate feature provides the desired Ambient Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_10 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_08 Ambient Light Exit Content

The parameters/settings to provide the desired Ambient Light experience during the "Exit Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_10 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_09 Halo Light Timing Exit

The exact timing, during the "Exit Phase", in which the rejuvenate feature provides the desired Halo Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Exit\_10 Halo Light Content Exit

The parameters/settings to provide the desired Halo Light experience during the "Exit Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Exit\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Exit\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_01 Seat Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature is adjusting the Driver Seat Position to the "Invigorate" position is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_02 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_02 Seat Params Invigorate

The "Invigorate position" in which the rejuvenate feature adjusts the Driver Seat Position to during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_02 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_03 Massage Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature provides the desired seat massage experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_04 Massage Content Invigorate

The parameters/settings to provide the desired seat massage experience during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_05 Audio Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature plays the desired audio is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_06 Audio Content Invigorate

The parameters/settings and content to provide the desired audio during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_07 Imagery Main Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature displays the desired imagery on the main screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_08 Imagery Main Content Invigorate

The parameters/settings and content to provide the desired imagery during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_09 Imagery Secondary Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature displays the desired imagery on the secondary screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_09 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_10 Imagery Secondary Content Invigorate

The parameters/settings and content to provide the desired imagery on the secondary screen during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_09 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_11 Climate Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature provides the desired climate experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_10 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_12 Climate Content Invigorate

The parameters/settings to provide the desired climate experience during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_10 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_13 EM Regs Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature provides the desired EM Registers enhanced climate experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_14 EM Regs Content Invigorate

The parameters/settings to provide the desired EM Registers enhanced climate experience during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_15 Seat Climate Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature provides the desired Seat Climate experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_15 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_12 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_16 Seat Climate Content Invigorate

The parameters/settings to provide the desired Seat Climate experience during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_16 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_12 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_17 Ambient Light Invigorate Timing

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature provides the desired Ambient Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_17 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_13 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_18 Ambient Light Invigorate Content

The parameters/settings to provide the desired Ambient Light experience during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_18 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_13 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_19 Halo Light Timing Invigorate

The exact timing, during the "Invigorate Phase", in which the rejuvenate feature provides the desired Halo Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_19 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_14 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Invigorate\_20 Halo Light Content Invigorate

The parameters/settings to provide the desired Halo Light experience during the "Invigorate Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Invigorate\_20 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Invigorate\_14 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_01 Seat Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature is adjusting the Driver Seat Position to the "relax" position is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_02 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_02 Seat Params Relax

The "Relax position" in which the rejuvenate feature adjusts the Driver Seat Position to during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_02 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_03 Massage Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature provides the desired seat massage experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_04 Massage Content Relax

The parameters/settings to provide the desired seat massage experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_05 Audio Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature plays the desired audio is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_06 Audio Content Relax

The parameters/settings and content to provide the desired audio during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_07 Imagery Main Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature displays the desired imagery on the main screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_08 Imagery Main Content Relax

The parameters/settings and content to provide the desired imagery during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_09 Imagery Secondary Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature displays the desired imagery on the secondary screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_09 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_10 Imagery Secondary Content Relax

The parameters/settings and content to provide the desired imagery on the secondary screen during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_09 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_11 Climate Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature provides the desired climate experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_10 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_12 Climate Content Relax

The parameters/settings to provide the desired climate experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_10 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_13 EM Regs timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature provides the desired EM Registers enhanced climate experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_14 EM Regs Content Relax

The parameters/settings to provide the desired EM Registers enhanced climate experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_11 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_15 Seat Climate Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature provides the desired Seat Climate experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_15 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_12 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_16 Seat Climate Content Relax

The parameters/settings to provide the desired Seat Climate experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_16 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_12 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_17 Ambient Light Relax Timing

The exact timing, during the "Relax Phase", in which the rejuvenate feature provides the desired Ambient Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_17 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_13 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_18 Ambient Light Relax Content

The parameters/settings to provide the desired Ambient Light experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_18 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_13 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_19 Halo Light Timing Relax

The exact timing, during the "Relax Phase", in which the rejuvenate feature provides the desired Halo Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_19 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_14 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Relax\_20 Halo Light Content Relax

The parameters/settings to provide the desired Halo Light experience during the "Relax Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Relax\_20 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Relax\_14 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_01 Seat Timing Transition

The exact timing, during the "Transition Phase", in which the rejuvenate feature is adjusting the Driver Seat Position is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_02 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_02 Seat Params Transition

The adjustments in which the rejuvenate feature adjusts the Driver Seat Position are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_02 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_03 Massage Timing Transition

The exact timing, during the "Transition Phase", in which the rejuvenate feature is adjusting the Seat Massage is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_03 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_04 Massage Params

The adjustments in which the rejuvenate feature adjusts the Seat Massage during the "Transition Phase" are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_03 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_05 Audio Timing Transition

The exact timing, during the "Transition Phase", in which the rejuvenate feature is playing the desired audio is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_04 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_06 Audio Content Transition

The exact timing, during the "Transition Phase", in which the rejuvenate feature displays the desired imagery on the main screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_06 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_05 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_07 Imagery Main Timing Transition

The parameters/settings to provide the desired audio experience in the "Transition Phase" are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_07 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_04 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_08 Imagery Main Content Transition

The parameters/settings and content to provide the desired imagery during the "Transition Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_08 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_05 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_09 Imagery Secondary Timing Transition

The exact timing, during the "Transition Phase", in which the rejuvenate feature displays the desired imagery on the secondary screen is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_09 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_10 Imagery Secondary Content Transition

The parameters/settings and content to provide the desired imagery on the secondary screen during the "Transition Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_10 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_11 Ambient Light Transition Timing

The exact timing, during the "Transition Phase", in which the rejuvenate feature provides the desired Ambient Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_11 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_12 Ambient Light Transition Content

The parameters/settings to provide the desired Ambient Light experience during the "Transition Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_12 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_13 Halo Light Timing Transition

The exact timing, during the "Transition Phase", in which the rejuvenate feature provides the desired Halo Light experience is defined in the scheduled program, DOCUMENT SCHED

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_13 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_Transition\_14 Halo Light Content Transition

The parameters/settings to provide the desired Halo Light experience during the "Transition Phase" is defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_Transition\_14 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_Transition\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_UI Theme Processing\_01 Ambient Light Theme Content

The Ambient Light settings associated with each theme are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_UI Theme Processing\_01 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_UI Theme Processing\_04 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_UI Theme Processing\_02 Halo Light Content Processing

The Halo Light settings associated with each theme are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_UI Theme Processing\_02 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_UI Theme Processing\_05 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_UI Theme Processing\_03 Audio Content Theme

The Audio content associated with each theme are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_UI Theme Processing\_03 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_UI Theme Processing\_06 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_UI Theme Processing\_04 Video Content

The Video content associated with each theme are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_UI Theme Processing\_04 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_UI Theme Processing\_07 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

Rejuv\_C\_NF\_UI Theme Processing\_05 Scent Content

The Scent content associated with each theme are defined in DOCUMENT CONTENT/PARAMS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID: Rejuv\_C\_NF\_UI Theme Processing\_05 | | | | | | | |
| **Rationale** |  | | | | | | |
| **Acceptance Criteria** |  | | | | | | |
| **Notes** | Related to Rejuv\_C\_F\_UI Theme Processing\_08 | | | | | | |
| **Source** |  | | | | | **Owner** |  |
| **Source Req.** |  | | | | | **V&V Method** |  |
| **Type** |  | | | **Priority** |  | **Status** | In-Progress |
| [Req. Template](http://wiki.ford.com/display/RequirementsEngineering/Requirements+Attributes) Version | | 6.0 | End of Requirement | | | | |

# Functional Safety

**#Classification**: Functional Safety only

**#Hint:** This section is dedicated to the Ford Functional Safety (ISO26262) process. For details of this process refer **#Link:** [Ford Functional Safety Sharepoint](https://pd3.spt.ford.com/sites/GlobalFunctionalSafety/Pages/default.aspx)

**#Contact:** [*RE Wiki Roles & Responsibilites page – Role: Application Functional Safety Engineer*](http://wiki.ford.com/display/RequirementsEngineering/Default+Contacts+for+Stakeholder+Roles#ApplicationFunctionalSafetyEngineer)

## System Behaviors for HARA

**#Classification**: Functional Safety only

**#Hint:** List of selected system behaviors is an input to the Hazard Analysis and Risk Assessment (HARA). There needs to be a rationale why other system behaviors / functions are not considered.

|  |  |
| --- | --- |
| **ID** | **Name** |
|  | Deactivate Rejuvenate Moonroof shading |
|  | Activate Rejuvenate Moonroof shading |
|  | Provide Rejuvenate Scent |
|  | Activate Rejuvenate Steering Wheel Position |
|  | Alter Rejuvenate Lighting |
|  | Adjust seat position |
|  | Adjust seat massage |
|  | Provide Vehicle Climate Experience |
|  | Activate Rejuvenate Lighting |
|  | Deactivate Rejuvenate Lighting |
|  | Provide Rejuvenate Audio |
|  | Adjust seat climate |
|  | Provide Rejuvenate Visuals |
|  | Deactivate Rejuvenate Steering Wheel Position |

Table 11: System Behaviors for HARA

## Safety Assumptions

**#Hint:** Copy the assumptions from the document "FFSD 02 Hazard Analysis and Risk Assessment”, Tab. “2 - Assumptions” with “Ref/ID”, “Name”, “Category”, “Description”, “Purpose”. In this document, additionally a reference to the requirement ID is inserted.

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

No Safety Assumptions specified

## Safety Goals

**#Classification**: Functional Safety only

**#Hint:** The list of Functional Safety Goals is an output of the Hazard Analysis and Risk Assessment (HARA) and therefore not required during the initial creation of the Feature Document.

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

No Safety Goal specified.

## Functional Safety Requirements

**#Classification**: Functional Safety only

**#Hint:** The section lists the Functional Safety Requirements (FSRs) derived from

* a Safety Goal (list in subsections 6.4.1 and following)

in this case each FSR should trace back to a safety goal in ch. 6.3

* and Assumptions (list in subsection 6.4.2).

in this case each FSR should trace back to an assumption in ch. 6.2.

In section 6.5**Error! Reference source not found.** “ASIL Decomposition of Functional Safety Requirements” the initial FSRs from chapters 6.4.1 to 6.4.2 may be decomposed, if required.

**#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)

**#Classification**: Functional Safety only

**#Hint:** The section lists the Functional Safety Requirements (FSRs) derived from a Safety Goal and Assumptions.

The following should be noted for the use of the attribute fields for FSRs

- The “Source Req” trace link field in each FSR should have a reference to

- a safety goal in ch. 6.3 “Safety Goals” or

- an assumption in ch. 6.2 “Safety Assumptions”

**#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)

No Safety Goal specified.

### Derivation of Functional Safety Requirements on Assumptions

**#Classification**: Functional Safety only

**#Hint:** Derive requirements from the Assumptions (refer to section “Safety Assumptions”

No Functional Safety Requirements tracing to Assumptions specified.

## ASIL Decomposition of Functional Safety Requirements

***#Classification:*** *Functional Safety Only*

***#Hint:*** *For ASIL D features additional measures like a requirements decomposition might be required. Fill out the following table for each ASIL D decomposition applied in the feature. 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*

No Functional Safety Requirements with ASIL Decompositions specified.

# Architecture

## Functional Architecture

**#Classification:** Mandatory for Functional Safety – otherwise optional

**#Hint**: This section depicts the coarse Functional Architecture. This architectural step is needed to find the right functional partitioning for the function level. The function shown here are those, which are specified on function level. Either SysML activity diagrams or Data Flow Diagrams could be used to depict such a Functional Architecture. For bigger features, which are decomposed in a hierarchical manner down to atomic functions (and which do not follow the Functional Safety process), a function tree could be given here.

**#Links:**

* Functional Decomposition: [RE Wiki – Functional Decomposition](http://wiki.ford.com/display/RequirementsEngineering/Functional+Decomposition)
* SysML - Activity Diagrams or [RE Wiki - Data Flow Diagrams](http://wiki.ford.com/display/RequirementsEngineering/Data+Flow+Diagram?src=contextnavpagetreemodehttp://wiki.ford.com/display/RequirementsEngineering/Data+Flow+Diagram?src=contextnavpagetreemode)
* Data Flow Diagram: [RE Wiki – Data Flow Diagram](http://wiki.ford.com/display/RequirementsEngineering/Functional+Decomposition)

Description of the diagram and content about Functional Architecture in Documentation field of Functional Boundary Diagram.

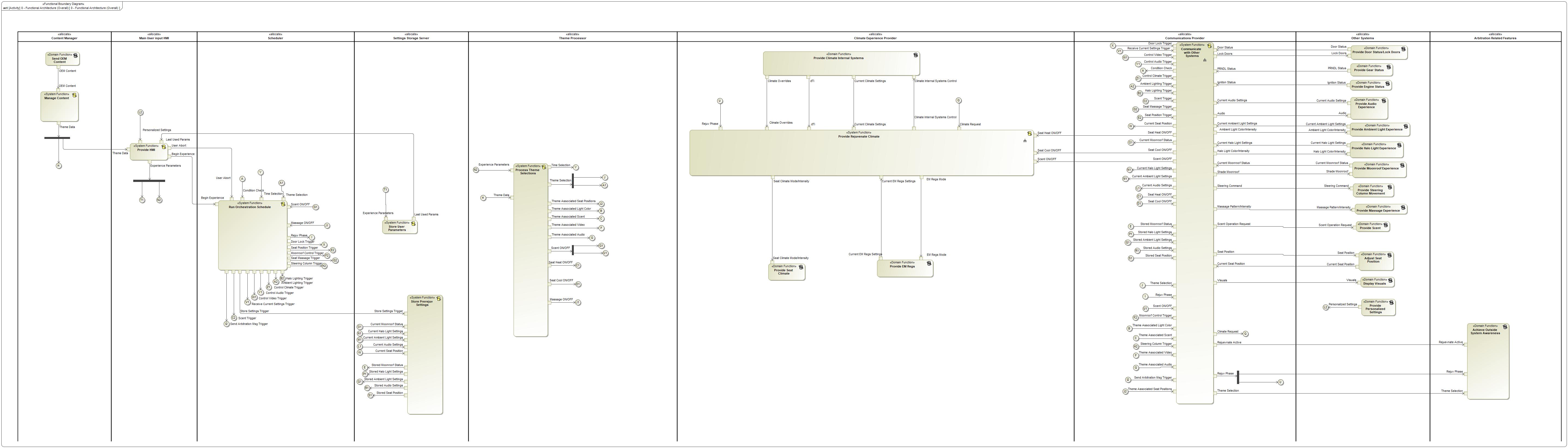


Figure 5: 0 - Functional Architecture (Overall)

### List of Functions

**#Hint:** The functions shown in the Functional Architecture should be listed and described in the table below

| **Function Name** | Description | Comments |
| --- | --- | --- |
| *(activity)* Provide Massage Experience | *(activity)* This <<Domain Function>> represents the functionality that the seat massage system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Adjust Seat Position | *(activity)* This <<Domain Function>> represents the functionality that the seat position system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Provide Rejuvenate Climate | *(activity)* This <<System Function>> represents the Rejuvenate climate logic. There are subsystem functions which further define this. |  |
| *(activity)* Communicate with Other Systems | *(activity)* This <<System Function>> represents all communication between the Rejuvenate feature and other systems/features. There are subsystem functions which further define this. |  |
| *(activity)* Provide Steering Column Movement | *(activity)* This <<Domain Function>> represents the functionality that the steering column position system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Provide Door Status/Lock Doors | *(activity)* This <<Domain Function>> represents the functionality that the doors system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Provide Gear Status | *(activity)* This <<Domain Function>> represents the functionality that the transmission/gear selection system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will provide information that will be used in the Rejuvenate feature. |  |
| *(activity)* Provide Ambient Light Experience | *(activity)* This <<Domain Function>> represents the functionality that the Ambient Light system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Provide Personalized Settings | *(activity)* This <<Domain Function>> represents the functionality that the Personal Portable Profiles or Enhanced Memory feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Display Visuals | *(activity)* This <<Domain Function>> represents the functionality that the infotainment screens provide to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Run Orchestration Schedule | *(activity)* This <<System Function>> shall run the logic containing the schedule of events for the experience and send the related triggers out to other functions |  |
| *(activity)* Provide Climate Internal Systems | *(activity)* This <<Domain Function>> represents the functionality that the Climate System provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Store Prerejuv Settings | *(activity)* This <<System Function>> stores the settings for various systems/features that Rejuvenate uses. These settings will be eventually called upon to return those systems/features to be as they were before the Rejuvenate feature was running. |  |
| *(activity)* Achieve Outside System Awareness | *(activity)* This <<Domain Function>> represents the other systems/features which need to be aware of the Rejuvenate feature being active at the time. |  |
| *(activity)* Store User Parameters | *(activity)* This <<System Function>> stores the user selected parameters for the Rejuvenate Feature. |  |
| *(activity)* Provide Halo Light Experience | *(activity)* This <<Domain Function>> represents the functionality that the Halo Light system/feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Provide Moonroof Experience | *(activity)* This <<Domain Function>> represents the functionality that the PDLC SkyLite Digital Shade feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Send OEM Content | *(activity)* This <<Domain Function>> represents the functionality that the OTA update channel provides to the vehicle, regardless of the Rejuvenate feature. This functionality will be utilized by the Rejuvenate feature to send OTA updates. |  |
| *(activity)* Provide Scent | *(activity)* This <<Domain Function>> represents the functionality that the Digital Scent feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Manage Content | *(activity)* This <<System Function>> manages the content related to the Rejuvenate themes. This content can be updated via OTA. |  |
| *(activity)* Provide Seat Climate | *(activity)* This <<Domain Function>> represents the functionality that the Seat Climate feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Process Theme Selections | *(activity)* This <<System Function>> relates the user’s selections to actual content/settings that Rejuvenate needs to push to other systems/features. |  |
| *(activity)* Provide EM Regs | *(activity)* This <<Domain Function>> represents the functionality that the EM Registers feature provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |
| *(activity)* Provide HMI | *(activity)* This <<System Function>> provides the needed HMI for the Rejuvenate feature. |  |
| *(activity)* Provide Engine Status | *(activity)* This <<Domain Function>> represents the functionality that the engine control system provides to the vehicle, regardless of the Rejuvenate feature. This functionality will provide information that will be used in the Rejuvenate feature. |  |
| *(activity)* Provide Audio Experience | *(activity)* This <<Domain Function>> represents the functionality that the infotainment audio system provides to the vehicle, regardless of the Rejuvenate feature. This functionality will either be called upon by the Rejuvenate feature to perform an act, provide information that will be used in the Rejuvenate feature, or both. |  |

Table 12: List of Functions

## Logical Architecture

**#Classification:** Functional Safety Analysis only

**#Hint:** FS Analysis requires a description of the boundary of the feature and its elements. A simple block diagram or a SysML Internal Block Diagram could be used to depict the Logical Architecture

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

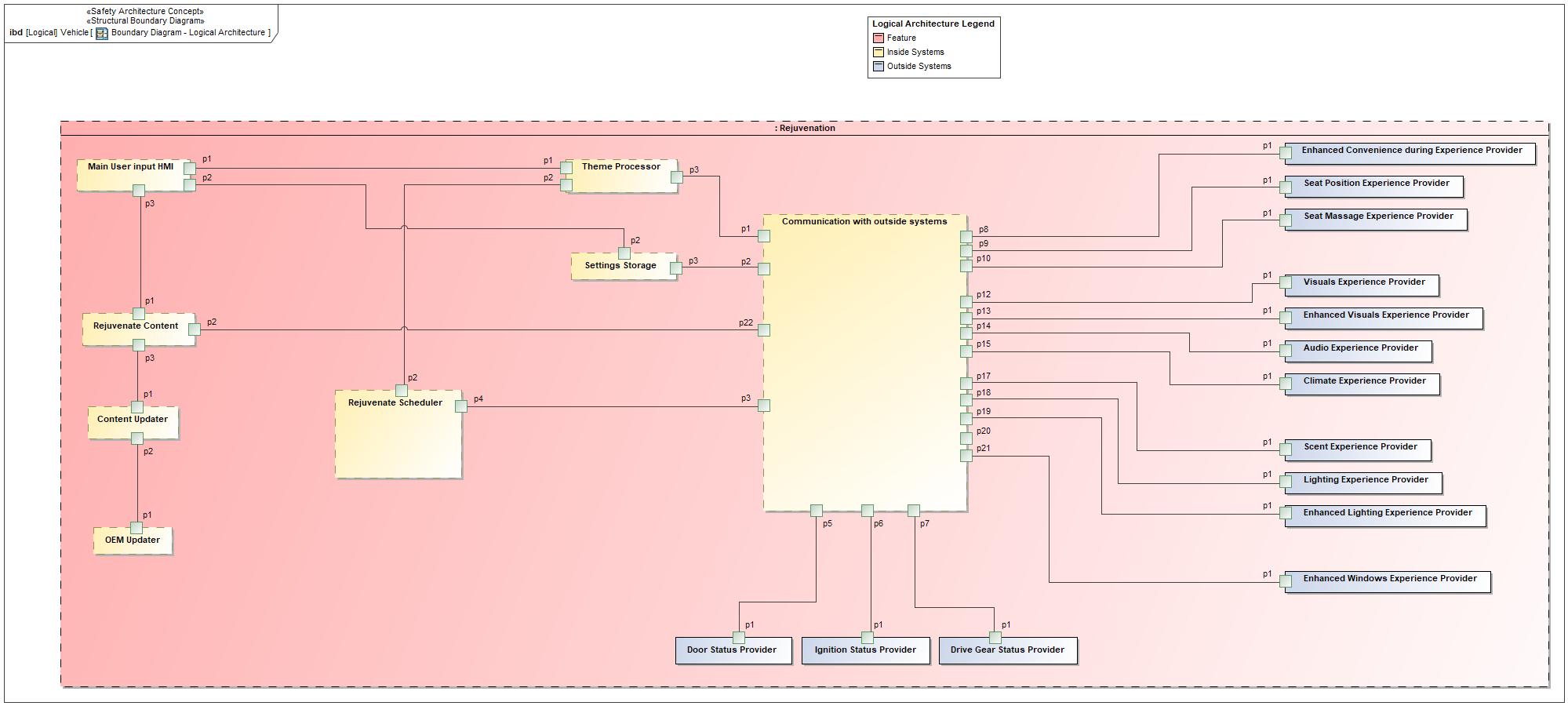


Figure 6: Boundary Diagram - Logical Architecture

### Logical Elements

**#Hint:** Lists the elements of the Logical Architecture and the functions from the Functional Architecture, which are allocated to those elements.

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Description** | **Allocated Functions** | **Comments** |
| Audio Experience Provider | Houses functions regarding delivering the desired audio and outputting the existing status/settings |  |  |
| Climate Experience Provider | Houses functions regarding delivering the desired climate experience | * Provide Climate Internal Systems * Provide EM Regs * Provide Rejuvenate Climate * Provide Seat Climate |  |
| Communications Provider | Houses functions regarding communicating with the outside systems | * Communicate with Other Systems |  |
| Content Updater | Houses functions regarding receiving updated content |  |  |
| Door Experience Provider | Houses functions regarding delivering the door experience (locking the windows) and sending current status |  |  |
| Drive Gear Status Provider | Houses functions regarding sending the current PRNDL status |  |  |
| Enhanced Convenience during Experience Provider | Houses functions regarding operating the stowable steering column/tilt telescopic stering column |  |  |
| Enhanced Lighting Experience Provider | Houses functions regarding delivering the desirect enhanced lighting experience and outputting the existing status/settings |  |  |
| Enhanced Visuals Experience Provider | Houses functions regarding delivering the desired visuals and outputting the existing status/settings |  |  |
| Enhanced Windows Experience Provider | Houses functions regarding delivering the desirect enhanced windows experience and outputting the existing status/settings |  |  |
| Ignition Status Provider | Houses functions regarding sending the current ignition status |  |  |
| Lighting Experience Provider | Houses functions regarding delivering the desirect lighting experience and outputting the existing status/settings |  |  |
| Main User input HMI | Houses functions regarding receiving the user’s input | * Provide HMI |  |
| OEM Updater | Houses functions regarding OEM sending updated content |  |  |
| Rejuvenate Content | Houses functions regarding storing theme content |  |  |
| Rejuvenation |  |  |  |
| Scent Experience Provider | Houses functions regarding delivering the desired scent experience and outputting the existing status/settings |  |  |
| Scheduler | Houses functions regarding running the orchestration schedule and sending the appropriate triggers. | * Run Orchestration Schedule |  |
| Seat Massage Experience Provider | Houses functions regarding operating the seat massage |  |  |
| Seat Position Experience Provider | Houses functions regarding operating the seat movement and outputting existing status/settings |  |  |
| Settings Storage Server | Houses functions regarding storing the user selected parameters and storing the current (pre-rejuv) settings from other modules | * Store Prerejuv Settings * Store User Parameters |  |
| Theme Processor | Houses functions regarding processing the selected themes with all available information | * Process Theme Selections |  |
| Visuals Experience Provider | Houses functions regarding delivering the desired visuals |  |  |

Table 13: Logical Elements

### Logical Interfaces

**#Hint:** Describe the interactions of the feature with other features or elements.

# Open Concerns

**#Hint:** The following list presents open concerns, which have to be discussed or clarified over the course of the on-going requirements engineering.

| ID | Concern Description | e-Tracker / Reference | Responsible | Status | Solution |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

Table 14: Open Concerns *(Not supported by MagicDraw report generation)*

# Revision History

**#Hint:** A new version number is assigned to a document with a given revision each time it is checked in to Team Center (TCSE). After release of a revision, the document cannot be edited and no new versions can be created on that revision. When updating the document after that, a new revision has to be created and new versions on that revision will be created upon checking in.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Revision | Date | Description | Approved by | Responsible |
| 0 | 2020-09-04 | First Release |  | mharkle1 |
| 1 | 2021-03-05 | Removed window operations from scope, requirements updated, functional architecture updated, logical architecture updated, and data analytic info added. |  | mharkle1 |

No Revision History found.

## Template Revisions

*#Important: Do not change this section*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Rev. | Date | Description | Responsible |
| *0* | *6* | *2015-05-26* | * *Chapter “Feature Overview” and made a 2nd level heading.* * *Chapter “Feature Modeling” divided into 3 subchapter (“Scenarios”, “Use Cases”, “State Machines”) for different modeling methods* | *Jbaden1* |
| *0* | *7* | *2015-05-27* | * *Table of Content updated* * *Template Revision History chapter added* | *Jbaden1* |
| *0* | *8* | *2015-07-02* | * *Section “Unsettled Issues” added* | *Alevin7* |
| *0* | *9* | *2015-08-04* | * *Section “Feature Variants” added* * *Section “Feature Boundary Diagram” renamed to “Feature Context Diagram”* * *Document Properties adapted to match needs of VBA macros* | *Jbaden1, Awegman1* |
| *1* | *0* | *2015-09-11* | * *Section “Feature Variants” reworked* * *Feature Goals removed. Only “Safety Goals“ chapter remains.* * *Heading 2 formatting issues corrected.* * *Requirements / Use Cases Listing removed from traceability chapter.* * *Formatting of attribute table in Notation chapter corrected* * *Open Topics / Known Issues chapter moved to the end* | *Jbaden1* |
| *1* | *1* | *2015-11-16* | * *Table-Styles removed (for smooth VSEM import)* * *Some clean-up of sections “Purpose” and “Audience”* | *Awegman1, jbaden1* |
| *1* | *2* | *2016-02-26* | * *Minor corrections based on lessons learned from CC and PCL pilot (e.g. section market/regions) and discussion with Functional Safety Team (purpose of feature)* * *Footer corrected* * *Boundary diagram interface chapter renamed to influences.* | *Jbaden1* |
| *1* | *3* | *2016-02-26* | * *Minor corrections after review with Whitney Keith from Functional Safety team* | *Jbaden1* |
| *1* | *4* | *2016-03-10* | * *Some cleanup of meta-data in Word Properties* | *Jbaden1* |
| *1* | *5* | *2016-03-10* | * *Footer formatting corrected (Issue 19)* * *Results from review with Functional Safety Team incorporated (Issue 20).* | *jbaden1* |
| *1* | *6* | *2016-04-18* | * *Scenario Template added* | *Jbaden1* |
| *1* | *7* | *2016-04-18* | * *Chapter “Operation Modes and States” moved before “Use Case” section.* | *Jbaden1* |
| *1* | *8* | *2016-04-18* | * *Broken Wiki links repaired.* | *Jbaden1* |
| *2* | *0* | *2016-05-19* | * *Adapted to Specification\_Macros.dotm V2.0* * *Requirements Templates chapter (ch. 1.7.1) no longer has an attribute table, but refers directly to the Wiki..* | *Jbaden1* |
| *2* | *1* | *2016-06-10* | * *Table for Context Diagram modified (lists external entities and Influence Description only)* | *Jbaden1* |
| *2* | *2* | *2016-07-08* | * *Template version added to footer* * *Several hints added to the various sections* * *Findings from Functional Safety Team incorporated.* * *RE\_SafetyRequirement style added* | *Jbaden1* |
| *2* | *3* | *2016-09-21* | * *Update from Functional Safety Team incorporated (“Lessons Learned”, “System Behaviors for HARA”)* | *Jbaden1* |
| *2* | *4* | *2016-11-15* | * *Update from Functional Safety Team incorporated (“Lessons Learned”, “System Behaviors for HARA”)* * *Explanatory notes made more formal* | *Jbaden1* |
| *3* |  |  | *Skipped to synchronize with Specification\_Macros.dotm* |  |
| *4* |  |
| *5* | *0* | *2017-01-13* | * *Meta data updated for specification macros, version 3.1* * *SW Unit chapter removed for the time being* * *Green boxes added for user hints* | *Jbaden1* |
| *5* | *1* | *2017-01-18* | * *Minor editorial changes* | *Jbaden1* |
| *6* | *0* | *2017-02-03* | * *CR48: Chapter 6 renamed from “Safety” to “Functional Safety”. New sub-chapter “Safety” introduced in Non-Functional Requirements section* | *Jbaden1* |
| *6* | *0* | *2017-04-28* | * *CR7: “RequirementsTraceability” chapter removed* | *Jbaden1* |
| *6* | *0* | *2017-11-15* | * *CR32/53: New Cover Sheet + Disclaimer replaces FAP-150 like ones.* * *CR75: Some rewording -> Terminology to Glossary, Notation -> Document Conventions* * *CR49: Rename “Assumptions & Constraints” to “Assumptions”* * *CR74: Safety Assumptions added to chapter 6.* * *CR58: Add function allocation column to Logical Architecture chapter* | *Jbaden1* |
| *6* | *0* | *2018-01-31* | * *CR63: Updated links to Functional Safety Sharepoint* | *Jbaden1* |
| *6* | *0* | *2018-07-24* | * *CR69: Add FSR to FeatureDoc* * *CR64: Add new section "Design Requirements" to Function Spec and Feature Spec* | *Jbaden1* |
| *6* | *0* | *2018-08-06* | * *CR53: some corrections for metada and formatting* | *Jbaden1* |
| *6* | *0* | *2018-09-28* | * *Broken links to RE Wiki repaired* | *Jbaden1* |
| *6* | *0* | *2018-10-31* | * *Cover sheet and footer more GIS like. Functional Safety team feedback incorporated:*   + *New subsections “Functional Safety Requirements, (Decomposed) FSRs and Parameters / Values*   + *Removal of “Logical Architecture”* | *Jbaden1* |
| *6* | *0* | *2018-12-12* | * *FSR template removed, now as a macro in the Specification\_Macros.dotm* | *Jbaden1* |
| *N* |  | *2019-04-03* | * *Updated code for context diagrams, actors and use cases.* * *Updated code structure with all macros at the beginning.* * *Updated code to populate assumptions using element-assumption relationship or hazardous event.* | *snuesch* |
| *N* |  | *2019-04-18* | * *Added structural boundary diagram for FuSa based on TGB discussion.* * *Added operating modes to functional safety requirements.* | *snuesch* |
| *N* |  | *2019-04-25* | * *Improved export of actions and activities on functional boundary diagram.* | *snuesch* |
| *6* | *0b* | *2019-05-23* | * *Re-introduce “Logical Architecture” (for Functional Safety)* | *Jbaden1* |
| *N* |  | *2019-06-17* | * *Aligned “Architecture” section with RE template.* * *Made “Ford Documents” table more flexible.* * *Added template terms to glossary* | *snuesch* |
| *N* |  | *2019-06-25* | * *Improved use cases to handle Primary and Secondary actors.* * *Added Performance Requirements to Uncategorized.* | *snuesch* |
| *6* | *0b* | *2019-06-26* | * *Chapter “Logical Elements” in “Logical Architecture” section added (FuSa CR 15136240)* * *“References” and “Glossary” chapter moved from section “Feature Overview” to “Introduction”. References and Glossary should be available in the document as early as possible* | *Jbaden1* |
| *N* |  | *2019-07-25* | * *Added populated “Logical Elements” table and allocated functions.* * *Export documentation field of context diagram.* | *snuesch* |
| *N* |  | *2019-08-09* | * *Export documentation field of use case diagram.* * *Fixed bug in Feature Requirement Verification Method.* * *Simplified export of References without publisher.* | *snuesch* |
| *N* |  | *2019-08-21* | * *Improved glossary and acronym tables* | *snuesch* |
| *N* |  | *2019-08-28* | * *Fixed bug in populating title in header* | *snuesch* |
| *N* |  | *2019-09-16* | * *Updated bibliography export* | *snuesch* |
| *N* |  | *2019-09-27* | * *Updated export of Verification Method and Requirement Status for Feature Requirements and V&V Method for Functional Safety Requirements.* | *snuesch* |
| *O* |  | *2019-11-12* | * *Updated bibliography export to include URL.* * *Allow hardware element on context diagram.* * *labelTag variable can be used to filter revision history.* * *Added logical property element type to beplled in from structural boundary diagram.* | *snuesch* |

# Appendix

## Definitions

No terms specified.

## Abbreviations

No acronyms specified.

Document ends here.