**F-001530**

**"VM: Manage usage condition of assets on a Component"**



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| --- | --- | --- |
| NAME | Description of update | Date Updated |
| **Olena Zaporozhets** | Initial creation (I-010789 "Implement data model of usage condition for components"; I-010791 “Splitter in assets tab of components item”; I-010792 “Add menu button "View usage" in assets tab of component”) | 10/22/2019 |
| **Olena Zaporozhets** | Update according to I-015027 "Change column header in Assets tab of Component item" and I-014228 " Remove IF.THEN.....etc from intellisense of usage editor" | 02/04/2020 |
| **Olena Zaporozhets** | Update documentation | 11/11/2020 |

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# Overview

This Document represents a test case suite for testing F-001530 “VM: Manage usage condition of assets on a Component”.

List of user stories which are described in the test suite, acceptance tests and lists of covered checks:

**I-010789 "Implement data model of usage condition for components"**

**Acceptance Criteria:**

* There is relationship Component Asset Usage with definition.
* There is relationship from Component Asset Usage to Variability Item (With unique Source ID).
* There is polymorphic vm\_expression IT with Component Asset Usage as Poly Source.

**I-010791 “Splitter in assets tab of components item”**

**Acceptance Criteria:**

* Splitter should split the area into 2 parts in resolution sidebar tab.
* User can select splitter using LMB and move it to the right or to the left side.

**I-010792 “Add menu button "View Usage Conditions" in assets tab of component”**

**Acceptance Criteria:**

* GIVEN user opened Component item with parts and documents in Assets tab; WHEN user does RMB Click on item in Assets tab THEN Context menu with "View Usage Condition" menu button is displayed.
* "View Usage Condition" menu button with separator are located at the bottom of the context menu.
* "View Usage Condition" menu button is disabled when user multi-select 2 or more items in Assets tab.
* Verify that "View Usage Condition" menu button is disabled when user RMB click in empty area in Assets tab.

**I-011445 "Create form for usage expression editor"**

**Acceptance Criteria:**

* Variability Item field is displayed.
* "Usage Condition" editor area is displayed.
* User can select Variability Item from Variability Item field by clicking on "···".
* User can select Variability Item from Variability Item field by pressing on F2.
* Verify that TypeAhead is supported in Variability Item field.
* User can compose Usage Condition using Features and Options (from selected Variability Item), "OR", "AND", "NOT", "(", ")", "[", "]", "=", "IF", "EXACTLY-ONE", "AT-MOST-ONE", "AT-LEAST-ONE" from intellisence.
* Should be displayed an error in Usage Condition area if user input wrong condition.
* GIVEN user opened usage condition editor and selected Variability item; WHEN user added feature or option name with more than one word THEN [] around name is displayed.

**I-010913 "Open manage eff.expr form in assets tab by RMB click"**

**Acceptance Criteria:**

* Verify that user can open Manage Usage Conditions form by RMB Click - "View Usage Condition" on item.
* There is toolbar with New and Delete buttons is displayed in form.
* Title "Usage Condition: keyed\_name of Asset" is displayed in form.
* There are two columns with following sequence: "Variability Item" and "Usage Condition".
* Verify that existing usages for item are displayed in grid of form.
* Context menu with "View Usage Condition" and "Edit Usage Condition" menu buttons without actions is displayed by RMB click on row with Usage in form.
* Context menu is not displayed by RMB click if user selected 2 or more rows in grid of form.
* Verify that user can click on "X" button at the right top corner of form and close the form.

**I-011443 "Delete button in Manage usages form in Assets tab"**

**Acceptance Criteria:**

* Delete button is disabled if user didn't select any row in form.
* Delete button should be active if user select one or more rows in form.
* User can delete usage condition by clicking on delete button if one row is selected in form.
* User can delete usage condition by clicking on delete button if two or more rows are selected in form.
* Verify that when user deleted usage(s), he doesn't need to click on save button in component item to save changes.
* Verify that warning message "Are you sure you want to delete selected usage condition(s)?" is appears when user click on delete item

**I-011448 "Create expression editor view"**

**Acceptance Criteria:**

* There is "X" button at the right top corner of editor.
* There is "Cancel" button at the right bottom corner of editor.
* There is "Apply" button at the right bottom corner of editor in Edit mode of editor.
* There is no Edit button in "Edit mode", Apply button displayed instead of it.
* Apply button is disabled if Variability Item is not selected.
* Apply button is active if Variability Item is selected and usage condition area is empty.
* Apply button is active if Variability Item is selected and usage condition is valid.
* Apply button is disabled if Variability Item is selected and usage condition area contains usage condition with error.
* There is "Edit" button at the right bottom corner of editor in View mode of editor.
* There is no Apply button in "View mode", Edit button displayed instead of it.
* GIVEN editor in "View mode" WHEN user clicks on Edit button THEN Editor switches in Edit mode.
* "Usage Condition" title should be displayed at the top of the editor in View mode.
* "Usage Condition" title should be displayed at the top of the editor in Edit mode.
* Verify that user can click on Cancel button in View mode of editor and close it.
* Verify that user can click on "X" button in View mode of editor and close it.
* Notification dialog with Save, Discard and Cancel is displayed when user did changes in editor in edit mode and clicked on "Cancel" button.
* Notification dialog with Save, Discard and Cancel is displayed when user did changes in editor in edit mode and clicked on "x" button.
* Save button in notification dialog is disabled if user try to close editor with condition which contains error(s).
* Editor is closed without notification dialog when user didn't make changes and click on "Cancel".
* Editor is closed without notification dialog when user didn't make changes and click on "X".
* When user clicks on Save in dialog, condition is saved.
* When user clicks on Discard, all made changes are not saved.
* When user clicks on "Cancel" or "x" button in notification dialog, user returned to editor in edit mode. The editor should display the information that was before clicking on "Cancel" or "x" button in editor.

**I-011455 "Handler for "View Usages" in cont.menu in manage form in assets"**

**Acceptance Criteria:**

* Verify that there is context menu with "View Usage" for viewing usage condition in Manage usage condition form in assets tab of component item.
* Verify that when user clicks on "View Usage" menu button they get "Usage Condition" editor in view mode.
* View mode should be open with existing Variability Item and usage condition.
* User can't edit Variability Item or usage condition in view mode.
* User can click on Cancel or "X" button and return to Manage usage condition form.
* Edit button is displayed at the bottom in "View mode" of usage condition editor.
* GIVEN editor in "View mode" WHEN user clicks on Edit button THEN Editor switches in Edit mode.
* There is no Edit button in "Edit mode", Apply button displayed instead of it.

**I-011454 "Handler for "Edit Usage" in cont.menu in manage form in assets"**

**Acceptance Criteria:**

* Verify that there is context menu with "Edit Usage" for editing usage condition in Manage usage condition form in assets tab of component item.
* Verify that when user clicks on "Edit Usage" menu button they get "Usage Condition" editor in edit mode.
* "Usage Condition" editor should be open with existing usage condition in usage condition area.
* Verify that when user edited usage condition (Clicked on Apply button or Save button in dlg), it is saved.
* Verify that when user edited usage condition, it is displayed in usage conditions list in Manage usage conditions form.
* Usage Condition editor is closed and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "Cancel".
* Usage Condition editor is closed and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "X".
* When user clicks on Save in dialog, condition is saved, user returned to manage usage condition form, and saved condition is displayed in row.
* When user clicks on Discard, all made changes are not saved, user returned to manage usage conditions form.
* When user clicks on "Cancel" or "x" button in notification dialog, user returned to usage condition editor. The editor should display the information that was before clicking on "Cancel" or "x" button.

**I-011452 "Handler for New button in Manage usages form in assets tab"**

**Acceptance Criteria:**

* Verify that new button is active for creating usage condition in Manage usage condition form in assets tab of component item.
* Verify that when user clicks on new button they get "Usage Condition" editor.
* Verify that when user created usage condition, it is saved.
* Verify that when user created usage condition, it is displayed in usage conditions list in Manage usage conditions form.
* Usage Condition editor is closed and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "Cancel".
* Usage Condition editor is closed and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "X".
* When user clicks on Save in dialog, condition is saved, user returned to manage usage condition form, and saved condition is displayed in row.
* When user clicks on Discard, all made changes are not saved, user returned to manage usage conditions form and condition was not created.
* When user clicks on "Cancel" or "x" button in notification dialog, user returned to usage condition editor. The editor should display the information that was before clicking on "Cancel" or "x" button.

**I-011442 "Display Usage expression with string notation in Manage form"**

**Acceptance Criteria:**

* GIVEN there is one or more usage(s) on Asset item WHEN user opens Manage usage conditions form in Assets tab THEN usage(s) is displayed in "Usage Condition" column in string notation.
* IF usage is empty, the string notation will be blank.

**I-014228 "** **Remove IF.THEN.....etc from intellisense of usage editor"**

**Acceptance Criteria:**

* There are no "IF, THEN, EXACTLY-ONE, AT-MOST-ONE and AT-LEAST-ONE" expression nodes in intellisense of Usage condition Editor.

Steps highlighted in grey: Check this test case only once while validation!!!

Steps highlighted in yellow are covered with component tests.

Steps highlighted in green are covered with selenium tests.

Steps highlighted in blue are covered with integration tests.

Steps highlighted in orange are covered with unit tests.

# Functional Tests

## Data Model of Usage Condition for Components

|  |  |  |
| --- | --- | --- |
| **Test#:** | F-001530-01 | |
| **Purpose:** | To test the Data Model of Usage Condition for Components | |
| **Original requirements:** | [I-010789 "Implement data model of usage condition for components"](https://myinnovator.com/?StartItem=sa_Issue:9A2D4F626506483DB2658C39084AD2E7) | |
| **Priority** | Medium | |
| **Tags** | # Data model | |
| **Automated:** | No | |
| **Execution** | **!!! Execute manually only for approve this Enabler !!!** | |
| **Setup** |  | |
| * 1. Login to Innovator as **Admin**   ***There is relationship Component Asset Usage with definition.***   * 1. Go to **Administration -> RelationshipTypes**   2. Search **vm\_ComponentAssetUsage**      1. Confirmthat there is relationship Component Asset Usage (vm\_ComponentAssetUsage)   3. Go to **Administration -> ItemTypes**   4. Search vm\_ComponentAssetUsage –> Open it      1. Confirm that “Is Relationship” is selected.   5. Go to **Properties** tab      1. Confirmthat definition property is present   ***There is relationship from Component Asset Usage to Variability Item (With unique Source ID).***   * 1. Go to **Administration -> RelationshipTypes**   2. Search for **vm\_ComponentAssetUsageVarItem**      1. Confirmthat there is relationship from Component Asset Usage to Variability Item (vm\_ComponentAssetUsageVarItem)   3. Go to **Administration -> ItemTypes**   4. Search **vm\_ComponentAssetUsageVarItem** –> Open it      1. Confirm that “Is Relationship” is selected.   5. Go to **Properties** tab      1. Confirmthat sorce\_id property is present      2. Confirmthat “Unique” is checked for this property   ***There is polymorphic vm\_expression IT with Component Asset Usage as Poly Source.***   * 1. Go to **Administration -> ItemTypes**   2. Search **vm\_expression** –> Open it      1. Confirm that “Poly Item” is selected   3. Go to **Poly Sources** tab      1. Confirm that Component Asset Usage (vm\_ComponentAssetUsage) is Poly Source | | |
| **Cleanup** | | Logout |

## Menu button "View Usage Conditions" in Assets tab of Component and Splitter in assets tab of components item

|  |  |  |
| --- | --- | --- |
| **Test#:** | F-001530-02 | |
| **Purpose:** | To test the menu button "View usage" in assets tab of component  To test the Splitter in assets tab of components item | |
| **Original requirements:** | [I-010792 "Add menu button "View usage" in assets tab of component"](https://myinnovator.com/?StartItem=sa_Issue:0D34781BF1574F849CA76A17D8ABA641)  [I-010791 "Splitter in assets tab of components item"](https://myinnovator.com/?StartItem=sa_Issue:F0CE50F03BF4485687DBBC1DA47DDCA8) | |
| **Priority** | Medium | |
| **Tags** | #menu button "View usage" #Assets tab #Component  #Splitter #Assets tab #Component | |
| **Automated:** | No | |
| **Setup** | Load Sample Data | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management**->**Variable Components**   3. Open **Tire** Component   4. Go to **Assets** tab   5. RMB click on any item in Assets tab   ***GIVEN user opened Component item with parts and documents in Assets tab; WHEN user does RMB Click on item in Assets tab THEN Context menu with "View Usage Condition" menu button is displayed.***   * + 1. Confirm that context menu with "**View Usage Condition**" menu button is displayed   ***"View Usage Condition" menu button with separator are located at the bottom of the context menu.***   * + 1. Confirm that "**View Usage Condition**" menu button with separator are located at the bottom of the context menu   ***Splitter should split the area into 2 parts in Assets tab.***   * + 1. Confirm the splitter splits the area into 2 parts in Assets tab   ***User can select splitter using LMB and move it to the right or to the left side.***   * 1. Select Splitter using LMB      1. Confirm the User can select splitter using LMB   2. Move Splitter to the left side      1. Confirmthat User can move splitter to the left side   3. Move Splitter to the right side      1. Confirmthat User can move splitter to the right side   ***"View Usage Condition" menu button is disabled when user multi-select 2 or more items in Assets tab.***   * 1. Multi-select 2 items in Assets tab, using**Shift**-> **RMB**      1. Confirm that "**View Usage Condition**" menu button is disabled   2. Multi-select 3 items in Assets tab, using**Ctrl**-> **RMB**      1. Confirm that "**View Usage Condition**" menu button is disabled   3. Close the Component   ***Verify that "View Usage Condition" menu button is disabled when user RMB click in empty area in Assets tab.***   * 1. Open **Shifter** Component   2. Click in empty area in **Assets** tab -> **RMB**      1. Confirm that "**View Usage Condition**" menu button is disabled.   3. Close the Component | | |
| **Cleanup** | | Logout |

## Open Manage Usage Conditions Form in assets tab by RMB click

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| **Test#:** | F-001530-03 | |
| **Purpose:** | To test the opening the Manage Usage Conditions Form in Assets tab by RMB click | |
| **Original requirements:** | [I-010913 "Open manage eff.expr form in assets tab by RMB click"](https://myinnovator.com/?StartItem=sa_Issue:4CF5B38F616A4C75B85D3E54A160FCB4) | |
| **Priority** | Medium | |
| **Tags** | #Manage Usage Conditions Form #Assets tab | |
| **Automated:** | No | |
| **Setup** | Pass setup from point 3.2 | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management**-> **Variable Components**   3. Open **Shifter** Component   4. Go to **Assets** tab   ***Verify that user can open Manage Usage Conditions form by RMB Click - "View Usage Condition" on item.***  ***There is toolbar with New and Delete buttons is displayed in form.***  ***Title "Usage Condition: keyed\_name of Asset" is displayed in form.***  ***There are two columns with following sequence: "Variability Item" and "Usage Condition".***  ***Verify that existing usages for item are displayed in grid of form.***   * 1. **RMB** click on **SHF-5877** item in Assets tab -> Click ***"View Usage Condition"***      1. Confirmthat Manage Usage Conditions form opens      2. Confirmthat New and Delete buttons is displayed in form      3. Confirmthat title "Usage Condition: keyed\_name of Asset" is displayed in form (**Usage Condition: SHF-5877**)      4. Confirmthat there are two columns with following sequence: "Variability Item" and "Usage Condition".      5. Confirmthat verify that existing usage for item is displayed in grid of form   ***Context menu with "View Usage Condition" and "Edit Usage Condition" menu buttons without actions is displayed by RMB click on row with Usage in form.***   * 1. **RMB** click on the row with Usage in form      1. Confirmthat context menu with "**View Usage Condition**" and "**Edit Usage Condition"** menu buttons without actions is displayed   **WHEN user hovers over new button in Manage usage condition form THEN tooltip "Create usage condition" is displayed.**   * 1. Hover over the **New** button      1. Confirm that there is tooltip "Create usage condition" is displayed.   2. Create 2 new usage condition expressions.   ***Context menu is not displayed by RMB click if user selected 2 or more rows in grid of form.***   * 1. Multy-select few rows using **Shift -> RMB** click      1. Confirm that context menu is not displayed.   2. Multy-select few rows using **Ctrl -> RMB** click      1. Confirm that context menu is not displayed.   **WHEN user hovers over delete button in Manage usage conditions form THEN tooltip "Delete usage condition" is displayed.**   * 1. Choose the created usage expression and hover over the **Delete** button      1. Confirm that there is tooltip "Delete usage condition" is displayed.   2. Delete 2 new created usage expressions | | |
| **Cleanup** | | Logout |

## Form for Usage Expression Editor

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| --- | --- | --- |
| **Test#:** | F-001530-04 | |
| **Purpose:** | To test the Form for Usage Expression Editor | |
| **Original requirements:** | [I-011445 "Create form for usage expression editor"](https://myinnovator.com/?StartItem=sa_Issue:7C65B821FC7D46E5AD9B5B57028609EE) | |
| **Priority** | Medium | |
| **Tags** | #Usage Expression Editor # | |
| **Automated:** | No | |
| **Setup** | Pass setup from point 3.2 | |
| * 1. Login to Innovator as **Admin**   ***Variability Item field is displayed.***   * 1. Go to **Variants Management**-> **Variable Components**   2. Open **Shifter** Component   3. Go to **Assets** tab   4. Select **SHF-5877** item in Assets tab   5. Go to Manage Usage Conditions form   6. Select expression -> **RMB** -> **Edit Usage Condition**      1. Confirmthat Variability Item field is displayed   ***"Usage Condition" editor area is displayed.***   * + 1. Confirmthat "**Usage Condition**" editor area is displayed   ***User can select Variability Item from Variability Item field by clicking on "···".***   * 1. Click on “**…**” in Variability Item field      1. Confirm that **Search dialog – Variability Item** appears   2. Run Search -> Select **Handlebar Assembly** Variability Item -> Click **OK**      1. Confirm that Handlebar Assemblyhas been selected in the Item Selector   ***User can compose Usage Condition using Features and Options (from selected Variability Item), "OR", "AND", "NOT", "(", ")", "[", "]", "=" from intellisence.***  ***GIVEN user opened usage condition editor and selected Variability item; WHEN user added feature or option name with more than one word THEN [] around name is displayed***   * 1. Click on "Usage Condition" editor area   2. Clear the editor area   3. Click on "Usage Condition" editor area      1. Confirm that drop-down list appears near cursor.      2. Confirm that drop-down list has   NOT  (  Bicycle Size  Bicycle Type  Handlebar Type  Handlebar Width  Speed  [   * 1. Change Variability Item in Variability Item field-> Select **Seat Assembly** Variability Item   2. Start type the condition   NOT ([Bicycle Type]=[Fat Bike])   * + 1. Confirm that [] around name is displayed if user added feature or option name with more than one word     2. Confirm that no error message appears in the effectivity expression area   ***Should be displayed an error in Usage Condition area if user input wrong condition.***   * 1. Type the text “Fork” in the end of the condition      1. Confirm that **error message** appears in the Usage Condition area   ***User can select Variability Item from Variability Item field by pressing on F2.***   * 1. Click on area of Variability Item field-> Click **F2**      1. Confirm that Select Items dialog opens   2. Run Search -> Select **Wheelset** Variability Item -> Click **OK**      1. Confirm that WheelsetVariability Item has been selected in the Item Selector   ***Verify that TypeAhead is supported in Variability Item field.***   * 1. Clear Variability Item field   2. Click on area of Variability Item field-> Start type “V00      1. Confirm that a list of Variability Items that begin with the 00 appears in the Item Selector   3. Select **V005 Tire** Variability Item      1. Confirm that V005 TireVariability Item has been selected in the Item Selector   4. Click **Cancel** –> **Discard** in dialog | | |
| **Cleanup** | | Logout |

## Expression editor view

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| **Test#:** | F-001530-05 | |
| **Purpose:** | To test the expression editor view | |
| **Original requirements:** | [I-011448 "Create expression editor view"](https://myinnovator.com/?StartItem=sa_Issue:8AA30D046FE44A56B1DB693C06851D7F) | |
| **Priority** | Medium | |
| **Tags** | #expression editor | |
| **Automated:** | No | |
| **Setup** | Pass setup from point 3.2 | |
| * 1. Login to Innovator as **Admin**   2. Go to Variant Management -> Components -> Open **Shifter**   3. Select **SHF-5877** ->Go to **Manage Usage Condition expressions** form   4. Select row with expression -> **RMB** -> **View Usage Condition**   ***"Usage Condition" title should be displayed at the top of the editor in View mode.***   * + 1. Confirmthat "Usage Condition" title is displayed at the top of the editor in View mode   ***There is "X" button at the right top corner of editor.***   * + 1. Confirmthat there is "X" button at the right top corner of editor   ***There is "Cancel" button at the right bottom corner of editor.***   * + 1. Confirm that there is "Cancel" button at the right bottom corner of editor   ***There is "Edit" button at the right bottom corner of editor in View mode of editor.***   * + 1. Confirmthat there is "Edit" button at the right bottom corner of editor in View mode of editor.   ***There is no Apply button in "View mode", Edit button displayed instead of it.***   * + 1. Confirmthat there is no Apply button in "View mode", Edit button displayed instead of it   ***Verify that user can click on Cancel button in View mode of editor and close it.***   * 1. Click **Cancel** button      1. Confirmthat user can click on Cancel button in View mode of editor and close it.   ***Verify that user can click on "X" button in View mode of editor and close it.***   * 1. Select row with expression -> **RMB** -> **View Usage Condition**   2. Click "***X***" button in View mode of editor      1. Confirmthat user can click on "X" button in View mode of editor and close it.   ***GIVEN editor in "View mode" WHEN user clicks on Edit button THEN Editor switches in Edit mode.***  ***There is "Apply" button at the right bottom corner of editor in Edit mode of editor.***  ***There is no Edit button in "Edit mode", Apply button displayed instead of it.***   * 1. Select row with expression -> **RMB** -> **View Usage Condition**   2. Click " ***Edit*** " button in View mode of editor      1. Confirmthat Editor switches in Edit mode.      2. Confirmthat there is "Apply" button at the right bottom corner of editor.      3. Confirm that there is no Edit button in "Edit mode", Apply button displayed instead of it   ***Apply button is active if Variability Item is selected and usage condition is valid.***   * + 1. Confirm that Apply button is active if Variability Item is selected and usage condition is valid   ***"Usage Condition" title should be displayed at the top of the editor in Edit mode.***   * + 1. Confirm that "Usage Condition" title is displayed at the top of the editor in Edit mode   ***Editor is closed without notification dialog when user didn't make changes and click on "X".***   * 1. Don't make changes! ->Click "***x***" button in editor      1. Confirm that Editor is closed without notification dialog when user didn't make changes   ***Editor is closed without notification dialog when user didn't make changes and click on "Cancel".***   * 1. Select row with expression -> **RMB** -> **Edit Usage Condition**   2. Click **Cancel** button in editor      1. Confirmthat editor is closed without notification dialog.   ***Apply button is disabled if Variability Item is selected and usage condition area contains usage condition with error.***   * 1. Select row with expression -> **RMB** -> **View Usage Condition**   2. Click " ***Edit*** " button in View mode of editor   3. Add text to end of expression      1. Confirmthat Apply button is disabled if Variability Item is selected and usage condition area contains usage condition with error.   ***Notification dialog with Save, Discard and Cancel is displayed when user did changes in editor in edit mode and clicked on "Cancel" button.***   * 1. Click **Cancel** button in editor      1. Confirmthat Notification dialog with Save, Discard and Cancel is displayed.   ***Save button in notification dialog is disabled if user try to close editor with condition which contains error(s).***   * + 1. Confirmthat Save button in notification dialog is disabled.   ***When user clicks on "Cancel" button in notification dialog, user returned to editor in edit mode. The editor should display the information that was before clicking on "Cancel" button in editor.***   * 1. Click **Cancel** button      1. Confirm that user returned to editor in edit mode.      2. Confirm that the editor displays the information that was before clicking on "Cancel" button in editor.   ***When user clicks on Discard, all made changes are not saved.***   * 1. Click **Cancel** button in editor   2. Click ***Discard*** button in notification dialog      1. Confirmthat all made changes are not saved.   ***Apply button is active if Variability Item is selected and usage condition area is empty.***   * 1. Select row with expression -> **RMB** -> **View Usage Condition**   2. Click " ***Edit*** " button in View mode of editor   3. Delete usage condition      1. Confirm that Apply button is active.   ***Apply button is disabled if Variability Item is not selected.***   * 1. Delete Variability Item -> Click on any empty place      1. Confirm that Apply button is disabled.   ***Notification dialog with Save, Discard and Cancel is displayed when user did changes in editor in edit mode and clicked on "x" button.***   * 1. Click "***x***" button in editor      1. Confirm that Notification dialog with Save, Discard and Cancel is displayed.   ***When user clicks on "x" button in notification dialog, user returned to editor in edit mode. The editor should display the information that was before clicking on "x" button in editor.***   * 1. Click "***x***" button in notification dialog      1. Confirm that user returned to editor in edit mode.      2. Confirm that the editor should display the information that was before clicking on "x" button in editor.   ***When user clicks on Save in dialog, condition is saved.***   * 1. Select V012 Bicycle variability Item   2. Type usage condition   [Bicycle Type]=[Fat Bike]   * 1. Type usage condition   2. Click Cancel in editor   3. Click Save in Notification dialog      1. Confirm that Notification dialog is closed      2. Confirm that editor is closed      3. Confirm that condition is saved (Manage usage condition form has roe with new Variability Item and usage condition expression). | | |
| **Cleanup** | | Logout |

## Delete button in Manage usages form in Assets tab

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| **Test#:** | F-001530-06 | |
| **Purpose:** | To test the Delete button in Manage usages form in Assets tab | |
| **Original requirements:** | [I-011443 "Delete button in Manage usages form in Assets tab"](https://myinnovator.com/?StartItem=sa_Issue:84367793DE9642D79AA09CCF1BE6B219) | |
| **Priority** | Medium | |
| **Tags** | #Delete button #Manage usages form #Assets tab | |
| **Automated:** | No | |
| **Setup** | Pass setup from 3.2 point  Add 5 usage conditions to usage condition | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management**->**Components**   3. Open **Shifter** Component   4. Go to **Assets** tab   5. Select **SHF-5877** item in Assets tab   ***Delete button is disabled if user didn't select any row in form.***   * + 1. Confirm that Delete button is disabled if user didn't select any row in form   ***Delete button should be active if user select one or more rows in form.***   * 1. Select any row in Manage Usage Condition Form      1. Confirm that Delete button is active if user selects one row in form   ***User can delete usage condition by clicking on delete button if one row is selected in form.***   * 1. Click Delete button      1. Confirm that User can delete usage condition by clicking on delete button if one row is selected in form   ***Verify that warning message "Are you sure you want to delete selected usage condition(s)?" is appears when user click on delete item***   * + 1. Confirm that warning message "Are you sure you want to delete selected usage condition(s)?" is appears when user click on delete item   ***Verify that when user deleted usage(s), he doesn't need to click on save button in component item to save changes.***   * 1. Click OK in warning message   2. Close Component item   3. Open **Shifter** Component   4. Go to **Assets** tab   5. RMB click on **SHF-5877** item in Assets tab      1. Confirm that deleted row is absent in Manage Usage Condition Form   ***Delete button should be active if user select one or more rows in form.***   * 1. Select 2 row using Shift and 2 row using Ctrl      1. Confirm that Delete button is active if user selects more than one rows in form   ***User can delete usage condition by clicking on delete button if two or more rows are selected in form.***   * 1. Click Delete button      1. Confirm that User can delete usage condition by clicking on delete button if two or more rows are selected in form   2. Click OK in warning message   3. Close Component item   4. Open **Shifter** Component   5. Go to **Assets** tab   6. Select **SHF-5877** item in Assets tab      1. Confirm that deleted rows are absent in Manage Usage Condition Form   7. Close Component item | | |
| **Cleanup** | | Logout |

## Handler for "View Usages" in cont.menu in manage form in assets

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| **Test#:** | F-001530-07 | |
| **Purpose:** | To test the View Usages handler in Manage usages form in Assets tab | |
| **Original requirements:** | [I-011455 "Handler for "View Usages" in cont.menu in manage form in assets"](https://myinnovator.com/?StartItem=sa_Issue:09ADC327D73749B49C2210A7B030CF11) | |
| **Priority** | Medium | |
| **Tags** | #ViewUsages #Manage usages form #Assets tab | |
| **Automated:** | No | |
| **Setup** | Pass setup from 3.2 point | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management**->**Components**   3. Open **Shifter** Component   4. Go to **Assets** tab   5. Select SHF-5876 in Assets tab -> Go to Manage Usage Condition Form   ***Verify that there is context menu with "View Usage" for viewing usage condition in Manage usage condition form in assets tab of component item.***   * 1. Choose the expression in and RMB click      1. Confirm that there is View Usage in Context menu   ***Verify that when user clicks on "View Usage" menu button they get "Usage Condition" editor in view mode.***   * 1. Click **View Usage**      1. Confirm that **Usage Condition** editor was opened in view mode   ***View mode should be open with existing Variability Item and usage condition.***   * + 1. Confirm that Variability Item: V023 Shifter and Usage Condition: Speed = [11-Speed] AND [Handlebar Type] = [Drop Bar]   ***User can't edit Variability Item or usage condition in view mode.***  ***Edit button is displayed at the bottom in "View mode" of usage condition editor.***   * + 1. Confirm that you can’t edit the Variability item and Usage Condition     2. Confirm that there is Edit button and it is displayed at the bottom   ***User can click on Cancel or "X" button and return to Manage usage condition form.***   * 1. Click “X” button      1. Confirm that Usage Condition Editor was closed, and you returned to Manage Usage Condition form   2. Choose the expression in Manage Usage Condition form -> **RMB -> View Usage Condition**   3. Click **Cancel** in opened editor      1. Confirm that Usage Condition Editor was closed, and you returned to Manage Usage Condition form   ***GIVEN editor in "View mode" WHEN user clicks on Edit button THEN Editor switches in Edit mode.***   * 1. Choose the expression in Manage Usage Condition form and **RMB/View Usage**   2. Click **Edit** button in opened editor      1. Confirm that the editor was switched to Edit mode   ***There is no Edit button in "Edit mode", Apply button displayed instead of it***   * + 1. Confirm that there is no Edit button in "Edit mode", Apply button displayed instead of it | | |
| **Cleanup** | | Logout |

## Handler for "Edit Usage" in cont.menu in manage form in assets

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| **Test#:** | F-001530-08 | |
| **Purpose:** | To test the Edit Usage handler in Manage usages form in Assets tab | |
| **Original requirements:** | [I-011454 "Handler for "Edit Usage" in cont.menu in manage form in assets"](https://myinnovator.com/?StartItem=sa_Issue:2E7AAEB7FA4B41B6A297FB95AE8AC7C8) | |
| **Priority** | Medium | |
| **Tags** | # Edit Usages #Manage usages form #Assets tab | |
| **Automated:** | No | |
| **Setup** | Pass setup from 3.2 point | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management**->**Components**   3. Open **Shifter** Component   4. Go to **Assets** tab   5. Select **SHF-5876** item in Assets tab -> Go to **Manage Usage Condition Form**   ***Verify that there is context menu with "Edit Usage Condition" for editing usage condition in Manage usage condition form in assets tab of component item.***   * 1. Choose the expression and RMB click      1. Confirm that there is **Edit Usage Condition** in Context menu   ***Verify that when user clicks on "Edit Usage Condition " menu button they get "Usage Condition" editor in edit mode.***   * 1. Click **Edit Usage Condition**      1. Confirm that **Usage Condition** editor was opened in edit mode   ***"Usage Condition" editor should be open with existing usage condition in usage condition area.***   * + 1. Confirm that Variability Item: V023 Shifter and Usage Condition: Speed = [11-Speed] AND [Handlebar Type] = [Drop Bar]   ***Verify that when user edited usage condition, it is displayed in usage conditions list in Manage usage conditions form.***   * 1. Change the expression Speed=[10-Speed]   2. Click **Apply** button      1. Confirm that edited usage condition is displayed in Manage Usage Condition Form   3. Close Component, Click Search in main grid and Open Shifter   ***Verify that when user edited usage condition (Clicked on Apply button or Save button in dialog), it is saved.***   * 1. Select **SHF-5876** item in Assets tab -> Go to **Manage Usage Condition Form**   2. **RMB** on usage condition -> Click **View Usage Condition**      1. Confirm that editor was opened, and usage was saved, and it is   Speed=[10-Speed]  ***Usage Condition editor is closed, and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "Cancel".***   * 1. Click **Edit** in editor   2. Don’t make changes   3. Click **Cancel**      1. Confirm that editor was closed, there was no notification and you returned to Manage Usage Condition Form   ***Usage Condition editor is closed, and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "X".***   * 1. **RMB** on usage condition -> Click **Edit Usage Condition** on the usage condition in the Manage Usage Condition Form   2. Don’t make changes. Click “X”      1. Confirm that editor was closed, there was no notification and you returned to Manage Usage Condition Form   ***When user clicks on Discard, all made changes are not saved, user returned to manage usage conditions form.***   * 1. **RMB** on usage condition -> Click **Edit Usage Condition** on the usage condition in the Manage Usage Condition Form   2. Make changes:   Speed = [11-Speed]   * 1. Click **Cancel**      1. Confirm that dialog message was appeared   2. Click **Discard** in dialog      1. Confirm that editor was closed, and you returned to Manage Usage Condition Form      2. Confirm that usage condition was not saved   ***When user clicks on "Cancel" or "x" button in notification dialog, user returned to usage condition editor. The editor should display the information that was before clicking on "Cancel" or "x" button.***   * 1. **RMB ->** Click **Edit Usage Condition** on the usage condition in the Manage Usage Condition Form   2. Make changes:   Speed = [11-Speed]   * 1. Click **Cancel**      1. Confirm that dialog message was appeared   2. Click **Cancel** in dialog      1. Confirm that dialog was closed, and you returned to editor and there is edited usage condition   ***When user clicks on Save in dialog, condition is saved, user returned to manage usage condition form, and saved condition is displayed in row.***   * 1. Click **“x”**      1. Confirm that dialog message was appeared   2. Click **Save** in dialog      1. Confirm that editor was closed, and you returned Manage Usage Condition Form      2. Confirm that usage condition was saved | | |
| **Cleanup** | | Logout |

## Handler for New button in Manage usages form in assets tab

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| **Test#:** | F-001530-09 | |
| **Purpose:** | To test the New button handler in Manage usages form in Assets tab | |
| **Original requirements:** | [I-011452 "Handler for New button in Manage usages form in assets tab"](https://myinnovator.com/?StartItem=sa_Issue:D30E1D232C1049D5ADD863D296270234) | |
| **Priority** | Medium | |
| **Tags** | #New button #Manage usages form #Assets tab | |
| **Automated:** | No | |
| **Setup** | Pass setup from 3.2 point | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management** -> **Components**   3. Open **Shifter** Component   4. Go to **Assets** tab   5. Select **SHF-5876** item in Assets tab -> to Manage Usage Condition Form   ***Verify that new button is active for creating usage condition in Manage usage condition form in assets tab of component item.***   * + 1. Confirm that new button is active for creating usage condition in Manage usage condition form in assets tab of component item   ***Verify that when user clicks on new button they get "Usage Condition" editor.***   * 1. Click on **New** button      1. Confirm that "Usage Condition" editor opens   ***Verify that when user created usage condition, it is displayed in usage conditions list in Manage usage conditions form.***   * 1. Enter new values:   Variability Item: **Bicycle**  Usage Condition: **Speed = [11-Speed]**   * 1. Click **Apply** button      1. Confirm that "Usage Condition" editor closes      2. Confirm that the created usage condition is displayed in usage conditions list in Manage usage conditions form   ***Verify that when user created usage condition, it is saved.***   * 1. Select **SHF-5876** item in Assets tab -> Go to Manage Usage Condition Form   2. RMB click on the created usage condition -> Click **View Usage Condition**      1. Confirm that the created usage condition is saved   ***Usage Condition editor is closed, and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "Cancel".***   * 1. Select **SHF-5877** item in Assets tab -> to Manage Usage Condition Form   2. Click in **New** button   3. Click **Cancel** in "Usage Condition" editor      1. Confirm that Usage Condition editor is closed      2. Confirm that user returned to Manage usage conditions form without notification dialog   ***Usage Condition editor is closed, and user returned to Manage usage conditions form without notification dialog when user didn't make changes and click on "X".***   * 1. Select **SHF-5877** item in Assets tab -> to Manage Usage Condition Form   2. Click in **New** button   3. Click **“x”** in "Usage Condition" editor      1. Confirm that Usage Condition editor is closed      2. Confirm that user returned to Manage usage conditions form without notification dialog   ***When user clicks on Discard, all made changes are not saved, user returned to manage usage conditions form and condition was not created.***   * 1. Select **SHF-5877** item in Assets tab -> to Manage Usage Condition Form   2. Click in **New** button   3. Enter new values:   Variability Item: **V023 Shifter**  Usage Condition: **Speed = [11-Speed]**   * 1. Click **Cancel** in "Usage Condition" editor      1. Confirm that notification dialog opens   2. Clicks **Discard** in notification dialog      1. Confirm that user returned to manage usage conditions form.      2. Confirm that condition was not created.   ***When user clicks on "Cancel" button in notification dialog, user returned to usage condition editor. The editor should display the information that was before clicking on "Cancel" button.***   * 1. Select **SHF-5877** item in Assets tab -> to Manage Usage Condition Form   2. Click in **New** button   3. Enter new values:   Variability Item: **V023 Shifter**  Usage Condition: **Speed = [11-Speed]**   * 1. Click **“x”** in "Usage Condition" editor      1. Confirm that notification dialog opens   2. Clicks **Cancel** in notification dialog      1. Confirm that user returned to usage condition editor.      2. Confirm that editor displays the information that was before clicking on "Cancel" button.   3. Click **Cancel** in "Usage Condition" editor   4. Clicks **Discard** in notification dialog   ***When user clicks on "x" button in notification dialog, user returned to usage condition editor. The editor should display the information that was before clicking on "x" button.***   * 1. Select **SHF-5877** item in Assets tab -> to Manage Usage Condition Form   2. Click in **New** button   3. Enter new values:   Variability Item: **V023 Shifter**  Usage Condition: **Speed = [11-Speed] text**   * 1. Click **“x”** in "Usage Condition" editor      1. Confirm that notification dialog opens   2. Clicks **“x”** in notification dialog      1. Confirm that user returned user returned to usage condition editor.      2. Confirm that editor displays the information that was before clicking on "x" button.   3. Click **Cancel** in "Usage Condition" editor   4. Clicks **Discard** in notification dialog   ***When user clicks on Save in dialog, condition is saved, user returned to manage usage condition form, and saved condition is displayed in row.***   * 1. Select **SHF-5877** item in Assets tab -> to Manage Usage Condition Form   2. Click in **New** button   3. Enter new values:   Variability Item: **V023 Shifter**  Usage Condition: **Speed = [11-Speed]**   * 1. Click **“x”** in "Usage Condition" editor      1. Confirm that notification dialog opens   2. Clicks **“Save”** in notification dialog      1. Confirm that condition is saved.      2. Confirm that user returned to manage usage condition form.      3. Confirm that the saved condition is displayed in row. | | |
| **Cleanup** | | Logout |

## Display Usage expression with string notation in Manage form

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| **Test#:** | F-001530-10 | |
| **Purpose:** | To test the displaying of Usage expression with string notation in Manage form | |
| **Original requirements:** | [I-011442 "Display Usage expression with string notation in Manage form"](https://myinnovator.com/?StartItem=sa_Issue:5B71899894D740D6AB91E9F9BCC8D107) | |
| **Priority** | Medium | |
| **Tags** | # Usage expression #String notation #Manage Usage condition form | |
| **Automated:** | No | |
| **Setup** | Pass setup from 3.2 point | |
| * 1. Login to Innovator as **Admin**   2. Go to **Variants Management** -> **Components**   3. Open **Brake** Component   4. Go to **Assets** tab   ***There is "Usage" column in Assets tab of Component item.***  ***"Usage" column is displayed as last column in relationship grid.***   * + 1. Confirm that there is “*Usage”* column and it is last column in **Assets** tab   ***If there is no usage set on asset, the string notation will be empty.***   * + 1. Confirm that for *BR-6319* asset “*Usage”* column is empty   ***If there are one or more usage(s) on an asset, string notation will be displayed in column in human-readable format.***  ***If there are more than one usage on an asset, usage conditions will be displayed using comma between multi-conditions.***   * + 1. Confirm that for *BR-4069* asset there are 2 usages and they combined using “,” in “Usage*”* column as shown below:     ***Comma is displayed regardless of logic between multi conditions.***  *!!! This acceptance criteria checked while extended testing and it was found out that there is no connection between Logic of Resolve and Comma between usages. This is unnecessary check!!!* | | |
| **Cleanup** | | Logout |