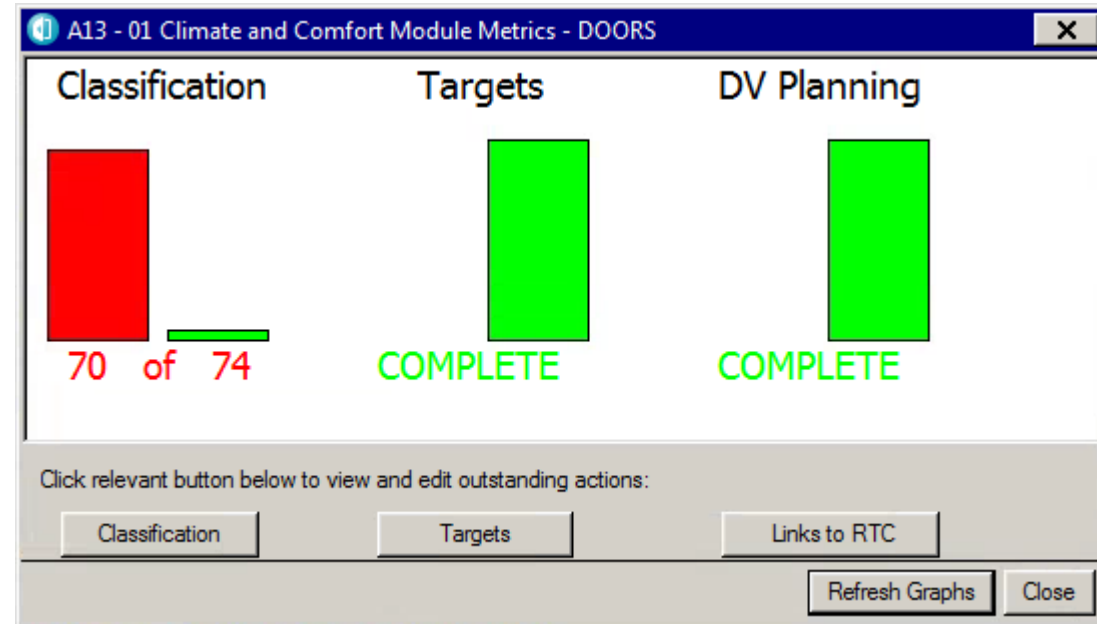


RMDV² User Training Course Exercises

- Training logins are numbered 1 to 15. For example:
- Login: **training1**
- Password: **Cloud123**
- The trainer will allocate your training number at the start of the course
- Within the course, everyone will be working on a individual version of the **A13 Climate and Comfort** requirements module. The number of your allocated team is the same as your training login number
 - i.e. **A13-01 Climate and Comfort**
- **Important note:** the recommended internet browser for RDMV is **Firefox**

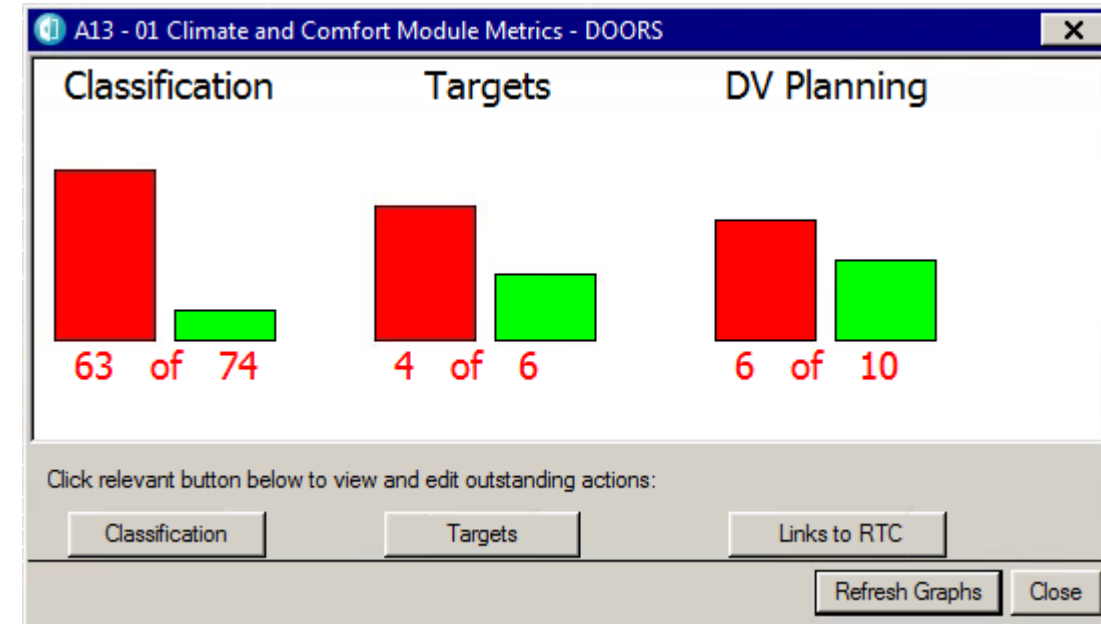
1. **Login** to CITRIX with the username and password supplied by the trainer (i.e. training##, password Cloud123)
 - <https://tmlcitrix.clm.ibmcloud.com/vpn/index.html>
2. **Login** to DOORS with the username and password supplied by the trainer (i.e. training##, password Cloud123)
3. Expand the **01 - Vehicle Programmes** folder (+) *symbol next to folder icon*
4. Expand the **X999** project
5. Expand the **02 CUSTOMER** section
6. Expand the **01 Attributes** section
7. Select your DVP team requirements folder (i.e. **A13-## Climate and Comfort**)
 - *Your DVP Requirements module and variants module will be displayed*

1. Open your **A13-## Climate and Comfort** module (double-click to open)
2. *The module will open in read-only mode*
3. Switch to **Exclusive Edit** mode
4. Select the view: **01 Classifications and Targets**
5. **Find (Control+F)** a *defrost* requirement
6. Check **Module metrics** from the menu: *RMDV Utilities > RMDV Scripts > User > Module Metrics*



1. Select the view: **01 Classifications and Targets.**
2. Add variants by selecting from the menu: *RMDV Utilities > RMDV Scripts > User > Add Variants to Classification View*
3. Remove the **VAR: 1.5 CRAIL Engine** attribute column
4. Move the **VAR: Any LHD** and **VAR: Any RHD** attribute columns so they are shown after the **VAR: Any Vehicle** Column
5. Change the attribute column widths as required
6. **Save** the View

7. *Classify the requirements and add targets (see next slide for details)*
8. Check **Module metrics** from the menu: *RMDV Utilities > RMDV Scripts > User > Module Metrics*
9. **Save** the Module

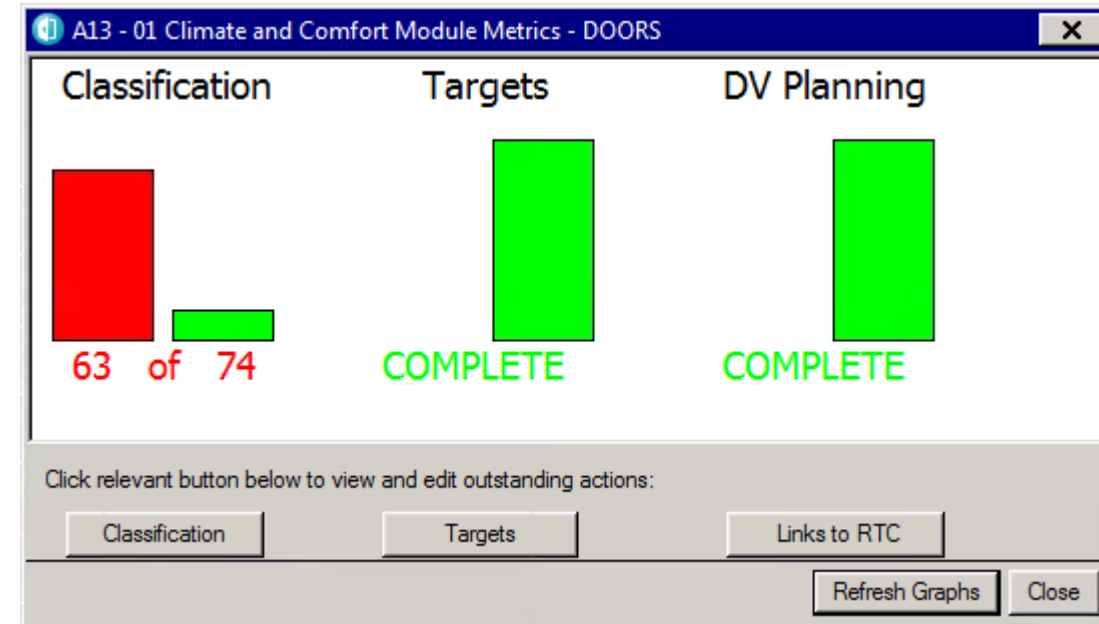


Classify the following requirements and add targets as shown:

RQMT ID	Requirement	Classification	VAR: Any Vehicle	VAR: Any LHD	VAR: Any RHD
CLI-1001	Air discharge (Front HVAC) Setting 1 Recirculation IP vents, max. cool, AC ON, engine idle - By Rig for switch setting 1	Meet	160 m3/hr		
CLI-1002	Air discharge (Front HVAC) Setting 2 Recirculation IP vents, max. cool, AC ON, engine idle - By Rig for switch setting 2	Meet		220 m3/hr	240 m3/hr
CLI-1003	Air discharge (Front HVAC) Setting 3 Recirculation IP vents, max. cool, AC ON, engine idle - By Rig for switch setting 3	Meet	320 m3/hr		
CLI-1004	Air discharge (Front HVAC) Setting 4 Recirculation IP vents, max. cool, AC ON, engine idle - By Rig for switch setting 4	Not Applicable**			
CLI-1005	Glove Box Cooling	Carryover			
CLI-1006	Fresh (By Body Leakage Method) to recirc air ratio	Carryover			
CLI-1007	Max Cool to max heater Ratio	Meet	0.9		

Add Classification Comments for CLI-1004: “Not available on this model**”

1. Select the view: **01 Classifications and Targets.**
2. **Select** *RMDV Utilities > RMDV Scripts > User > Sync Requirements*
3. Follow the screen prompts on Step 1 and **Confirm**
4. Follow the screen prompts on Step 2 and **Confirm**
 - **Seven** requirements should be sent to RTC for testing
5. Check **Module metrics** from the menu: *RMDV Utilities > RMDV Scripts > User > Module Metrics*



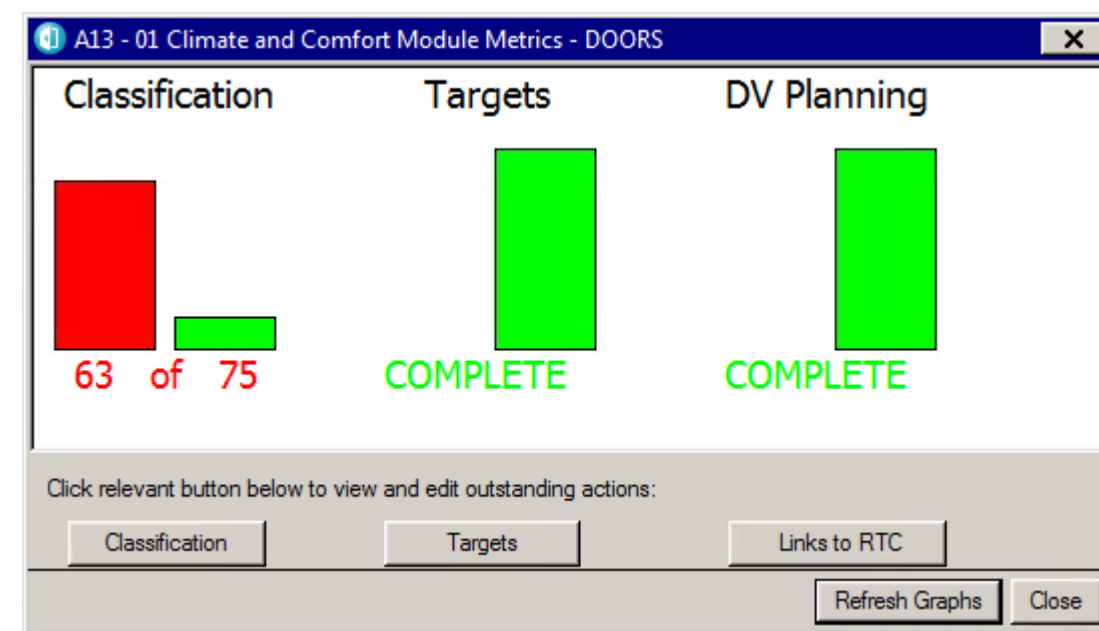
1. Select the view: **Default**
2. Select requirement **CLI-1013** in section **1.2 Airflow Distribution**
3. Right-Click on the requirement then **select** *Insert > Object*
 - *Start typing in the requirement text area, this will remove the heading*
4. Write a requirement that is relevant to your own team, *don't forget to give the requirement a title*
 - Change the object type to **Requirement**
 - Give the requirement a **Priority**
 - Give the requirement a **PALS** rating
 - Change the status to **Released** when you have finished
5. **Save** the Requirement module
6. Switch the requirement to read-only mode by selecting **Edit > Edit Mode > Read-Only**

1. **Open** your personal dashboard
 - <https://tmlt.clm.ibmcloud.com/jts/dashboards/>
2. In the **My Projects** widget, select in the **Quality Management** section: **Programme Specific Test Cases**
3. In the **RQM Programme Specific Test Cases** dashboard, select from the menu: *Construction > Create > Test Case*
4. Create a New Test Case
 - a) In the **Summary** section, select a test case name: i.e. *<your name> Test Case*
 - b) In **Description**: *This is a new programme test case*
 - c) In the summary sub-section:
 - COC = **Attributes**
 - System = **Attributes**
 - DVP Team = **A13 Climate and Comfort**
 - Gateway = **DR2** and **DR3FDJ**
 - Prototype Type: **Design Review**
 - Detect Event Value: **Not Set**
5. **Save** the Test Case
6. Select Action and change the state to: **Ready for review**. **Save** the Test Case.
7. Select Action and change the state to: **Approve**. **Save** the Test Case.

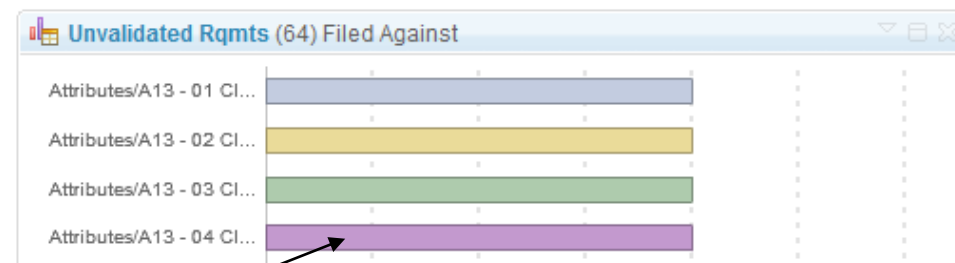
Check that your requirement module is still in read-only mode (by selecting Edit > Edit Mode > Read-Only)
Otherwise, the test case to requirement links cannot be created

1. Select the **Requirement Links** section
2. In the requirement links sub-section, select the + icon
 - *You will be asked to login to DOORS*
3. Expand *X999 > 02 Customer > 01 – Attributes > A13-## Climate and Comfort*
4. **Double click** on your DOORS module to open
5. Select the *tick box* next to your new programme requirement in section **1.2 Airflow Distribution**
6. Select **Finish**
 - *The link to the requirement is displayed*
7. **Save** the test case

1. In *DOORS*
2. Select the view: **02 Test Case**
3. Switch to **Exclusive Edit** mode
4. Select your new programme requirement in section **1.2 Airflow Distribution**
5. Right-click on the red > icon to the right of the requirement text, select **Validated by** and hover over the test case to show the rich hover
6. **Select** *RMDV Utilities > RMDV Scripts > Update test case for this requirement*
7. The **Test Case ID** and **Test Case Title** fields will be populated
8. Select the view: **01 Classification and Targets**
9. Set the **classification** of your new programme requirement to **Meet**
10. Set a **target** for the new programme requirement in **VAR: Any Vehicle**
11. **Select** *RMDV Utilities > RMDV Scripts > User > Sync Requirements*
 - *This will Synchronise 1 new requirement task to RTC*



1. Open your personal dashboard
 - <https://tmlt.clm.ibmcloud.com/jts/dashboards/>
2. In the **My Projects** widget, select in the Change and Configuration Management section: **X999**
3. Bookmark the **project** dashboard in your internet browser
 - <https://tmlt.clm.ibmcloud.com/ccm/web/projects/X999#action=com.ibm.team.dashboard.viewDashboard>
4. Click on the bar** in the Unvalidated Requirements bar graph widget corresponding to your DVP Team (i.e. A13-## Climate and Comfort)
5. Browse and open the items shown the in the results query
6. Navigate to the **system** dashboard for the attribute team
7. Use the *breadcrumb* links to navigate back to the project dashboard
8. Select your DVP **project** plan (i.e. **A13-# Climate and Comfort**) from the *Current Attributes Plans* widget



** Step 4: Click on Bar in bar graph

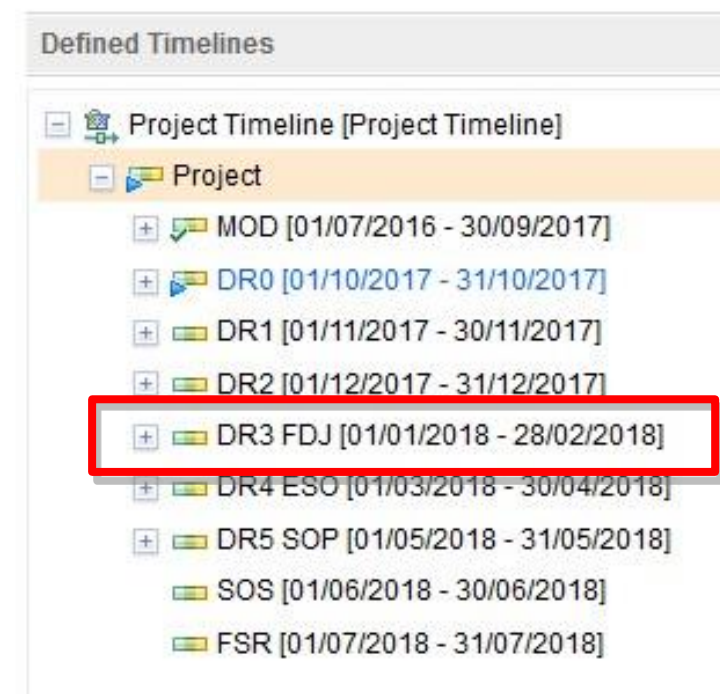
1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Plan Requirement Task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle** (change the **planned for** gateway to **DR4 ESO**)
3. **Save** the Plan
4. Expand the Requirement Task **CLI-1001 Air Discharge** to display **five** test tasks (ensure they all have **planned for** Gateways)
5. Open Requirement Task **CLI-1002 Air Discharge (Front HVAC) Setting 2 for Any LHD**
6. Select the **View Generic Test Cases** *tick box* and **Save** the task. Rich hover over the Test Cases in the Links section.
 - *It has been agreed that Test Case 16 (CAE Simulation) only needs to be run at one gateway*
7. In the *Generic Test Case / design rule* box remove test **16**
8. Plan the requirement task to **DR3 FDJ** (planned for) and **Save** the Task
 - In the *Links > Children* section there will be *two* test tasks
9. Add the test case ID: **16** to the **Additional Test Cases** box and **Save** the Task
 - In the *Links > Children* section there will now be *three* test tasks (two Physical and one CAE Simulation)

1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Expand the Requirement Task **CLI-1002 Air Discharge (Front HVAC) Setting 2 for Any LHD** to display *three* test tasks
3. Plan the test task *TC-16 VPG/CL/WG/01 – CAE Simulation* (currently at Project) for **DR3 FDJ**
 - *You can do this by selecting the gateway in the **planned for** column or by switching to the **03 Planning Gateways** view and dragging the Test Task (currently at Project) onto the DR3 FDJ section*
4. **Save** the Plan

1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Select the **01 Planning Req** view
3. Expand Requirement Task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle**
 - Change the Status of *TC-14 VPG/CL/WG/01 – Vehicle (Physical)* for DR4 ESO to **Not Applicable**
 - Change the Status of *TC-16 VPG/CL/WG/01 - CAE Simulation* for UPV2 to **Not Applicable**
 - Change the Status of *TC-16 VPG/CL/WG/01 - CAE Simulation* for UPV3 to **Not Applicable**
4. Select the **02 Planning Tests** view
5. Schedule *TC-14 VPG/CL/WG/01 - Vehicle (Physical)* within the **DR3 FDJ** gateway (see dates)
6. Schedule *TC-16 VPG/CL/WG/01 – CAE Simulation* within the **DR3 FDJ** gateway
7. **Save** the plan

Now that the final test is being run at DR3 FDJ the requirement task validation gateway can also be changed to reflect the earlier gateway

6. Change the planned for on Requirement task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle** to **DR3 FDJ**



1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Expand Requirement Task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle**
 - Change the status of Test Task *TC-14 VPG/CL/WG/01 - Vehicle (Physical)* for DR3 FDJ to **Start Working**
 - Change the status of Test Task *TC-16 VPG/CL/WG/01 - CAE Simulation* for DR3 FDJ to **Start Working**
3. **Save** the plan
 - *The status for both work items changes to **In Progress***

Target Met Scenario

1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Expand Task Requirement Task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle**
3. **Open** *TC-14 VPG/CL/WG/01 - Vehicle (Physical)*
4. Change the status of the task to **Target Met** (red asterisks show the mandatory fields)
5. Enter *Test Report Number*: **Test Report-RMDV**
6. Attach the Test Report **Test Report-RMDV.txt**
7. Enter optional *Test Result Details* (i.e. Actual target result)
8. **Save** the task.
 - *The status changes to **Target Met**.*
 - *The **Actual Finish** date is set automatically (on save)*

Target Not Met Scenario

1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Expand Task Requirement Task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle**
3. **Open** *TC-16 VPG/CL/WG/01 – CAE Simulation*
4. Change the status of the task to **Target Not Met** (red asterisks show the mandatory fields)
5. Enter *Test Report Number*: **Test Report-Not Met-RMDV**
6. Attach the Test Report **Test Report-Not Met-RMDV.txt**
7. Enter optional *Test Result Details* (i.e. Actual target result)
8. Enter MiNT ID number: **Osprey 1115 20**
9. **Save** the task
 - *the Test Task status changes to **Target Not Met***

Target Deviation Scenario

After the MiNT has been reviewed a requirement deviation is proposed

1. **Open** TC-16 VPG/CL/WG/01 – CAE Simulation
2. Change the status of the task to **Target Deviation**.
3. Enter a Deviation number: **Kite 5 Diesel 02**
4. **Save** the task.
 - *The status changes to **Target Deviation***

After review in the external deviation process the Target Deviation is “Approved”

5. Select **Confirm MiNTs closed** in the Test Results section
6. **Save** the Task

The Deviation administrator approves the deviation – this will be completed by the trainer in the course

7. *The status changes to **Target Met**.*

Requirement Task

1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Expand Requirement Task **CLI-1001 Air Discharge (Front HVAC) Setting 1 for Any Vehicle**
3. Change the Status of Requirement Task to **Validate**
4. **Save** the plan
 - *Requirement is validated*

Requirement Carryover Task

1. Open Requirement Carryover Task **REQ: CLI-1005 Glove Box Cooling For Carryover**
2. Set the status to **Validate**
3. Select a **Carryover Vehicle line and model year** from the drop-down menu
4. **Save** the task
 - *Carryover requirement is validated*

Validate your Programme Requirement

*Using all the previous steps plan and validate your **new programme requirement***

1. Open your DVP **project** plan (i.e. **A13-# Climate and Comfort**)
2. Select your **new programme requirement** and plan it for **DR3 FDJ**
3. Change the Status of its **DR2** test task to **Not Applicable**
4. Schedule the **DR3 FDJ** test (see dates)
5. Run the **DR3 FDJ** test (status to **In Progress**)
6. Complete the **DR3 FDJ** test with a **Target Met** result
7. **Validate the Requirement task**

Defined Timelines	
	Project Timeline [Project Timeline]
	Project
	MOD [01/07/2016 - 30/09/2017]
	DR0 [01/10/2017 - 31/10/2017]
	DR1 [01/11/2017 - 30/11/2017]
	DR2 [01/12/2017 - 31/12/2017]
	DR3 FDJ [01/01/2018 - 28/02/2018]
	DR4 ESO [01/03/2018 - 30/04/2018]
	DR5 SOP [01/05/2018 - 31/05/2018]
	SOS [01/06/2018 - 30/06/2018]
	FSR [01/07/2018 - 31/07/2018]