

# How-To Guide: EAM & SVM Analytics - Change Request Analysis, Change Process Analysis & Master Data Process Overview

## Applies to

EAM Solutions by Prometheus Group

## Summary

Analytics help user in getting the overview of different processes in MDG & MDC.

The analysis can be done at 2 levels.

1. Change Request Analysis (Related to MDG)
2. Change Process Analysis (Related to MDC)

Master Data Process Overview combines Change Request Analysis and Change Process Analysis and gives user an overview of all the processes.

This functionality is provided for all EAM Objects & Service Master.

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## Introduction

Using Analytics, one can get the overview of different processes in Master Data Governance (MDG) & Master Data Consolidation and Mass Processing (MDC). This helps in analyzing the Change Requests and Change Processes based on different parameters so that the required actions can be taken accordingly. For e.g. you can get the overview and details of 'Change Requests With my Participation' and process them.

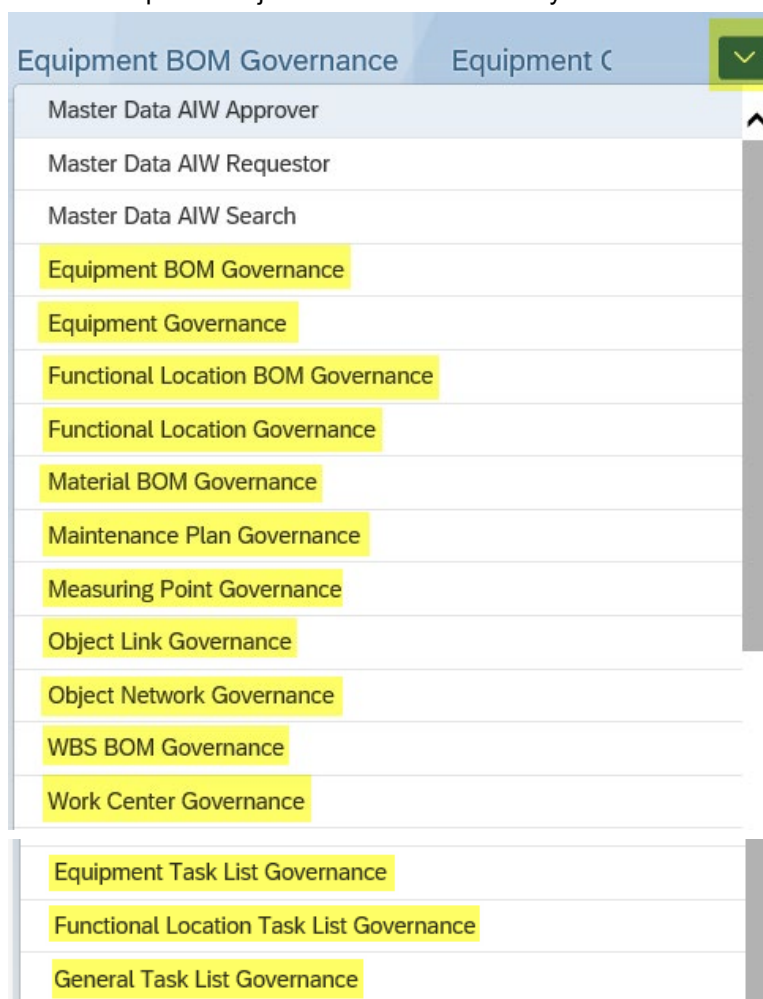
## Analytics Overview

Analytics allows both Change Request and Change Process Analysis. In Mater Data Process Overview, we can see all processes related to both Change Request Analysis & Change Process Analysis, if Change Process analysis is available. Without Change Process Analysis, all processes related to Change Request Analysis can only be seen in Master Data Process Overview.

Master Data Process Overview & Change Request Analysis are available for all EAM Objects & Service Master. Change Process Analysis is available for Equipment, Functional Location & Material BOM objects.

Use following steps to view the analysis of a specific object.

1. Run t-code /n/UI2/FLP.
2. Select a specific object Governance for analysis.



## Objects in Scope

### Objects in scope for Change Request Analysis

Change Request Analysis is available for all EAM objects mentioned below.

- Equipment
- Functional Location
- Work Center
- Object Link
- Object Network
- Material BOM
- Equipment BOM
- Functional Location BOM
- WBS BOM
- Maintenance Plan
- Measuring Point
- General Task List
- Equipment Task List
- Functional Location Task List
- Service Master

### Objects in scope for Change Process Analysis

Change Process Analysis is available for below EAM objects.

- Equipment
- Functional Location
- Material BOM

### Objects in scope for Master Data Process Overview

Master Data Process Overview is available for below EAM objects. Master Data Process Overview combines the cards for both Change Request Analysis & Change Process Analysis. So, for the Objects EQ, FL & MBOM, there are extra cards for Change Process along with cards for Change Request.

- Equipment
- Functional Location
- Work Center
- Object Link
- Object Network
- Material BOM
- Equipment BOM
- Functional Location BOM
- WBS BOM
- Maintenance Plan
- Measuring Point
- General Task List
- Equipment Task List
- Functional Location Task List
- Service Master

## Change Request Analysis

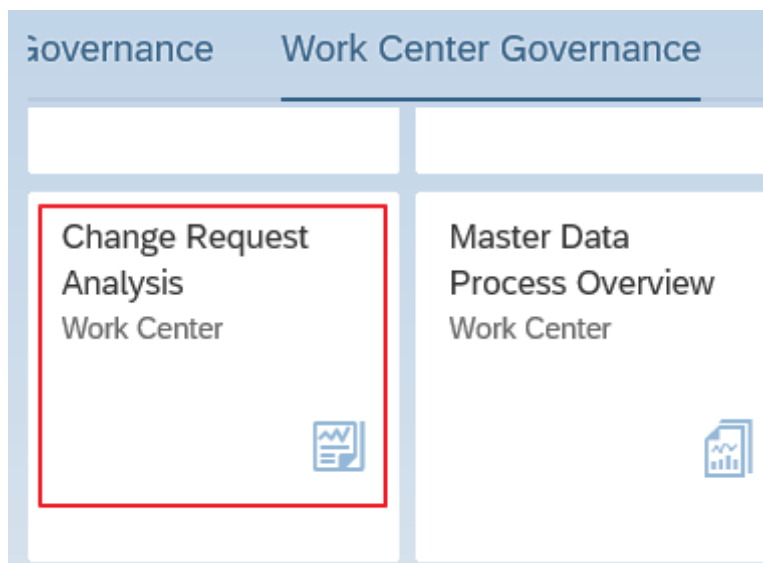
Change Request Analysis gives us the information regarding the total number change requests created for a specific object along with the number of change requests by different processes.

### Note

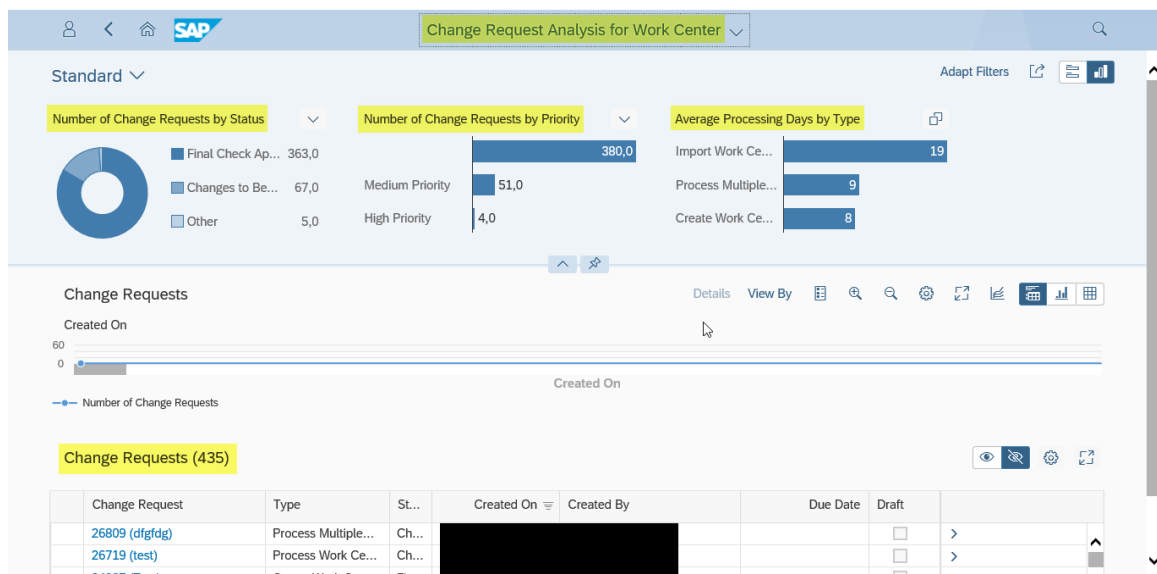
Screen shots for different processes available in Change Request Analysis are given for "Work Center" Object. And the procedure is same for all other objects.

Use following steps to analyze Change Requests.

1. Run t-code /n/UI2/FLP.
2. Select the tab "Work Center Governance".
3. Launch the FIORI Application "Change Request Analysis".



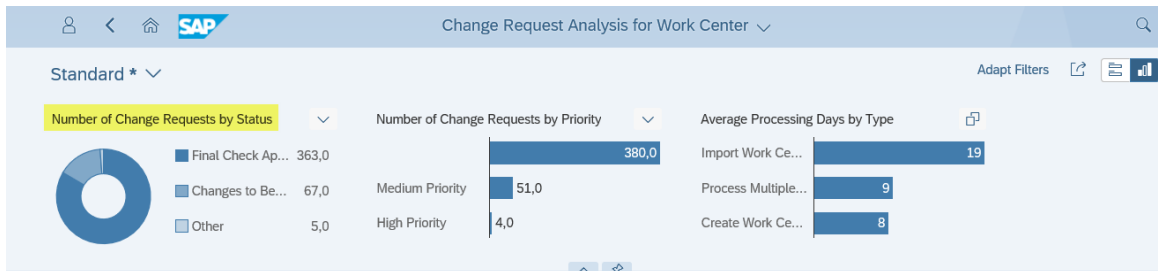
4. Change Request Analysis screen will be displayed as shown below. It has Header and Detail Views.



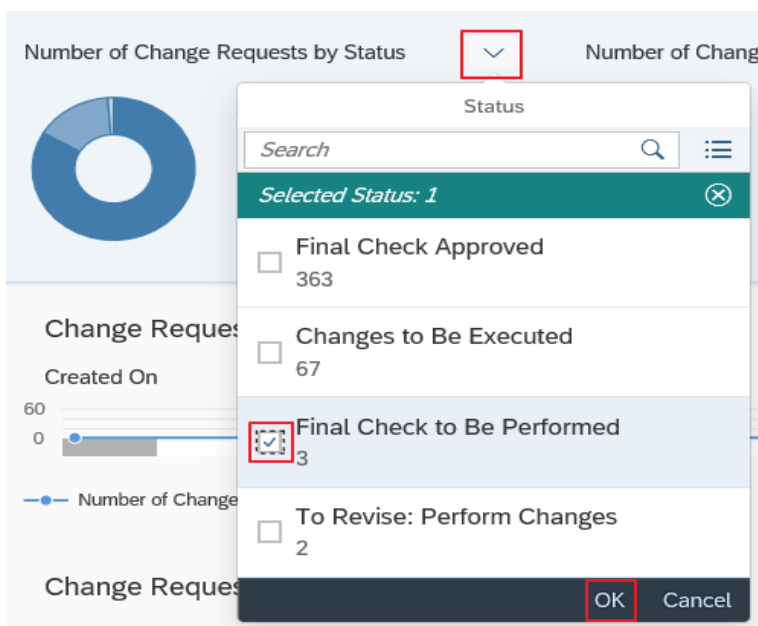
## Header View

In Header View, we can see the overview of change requests by different processes.

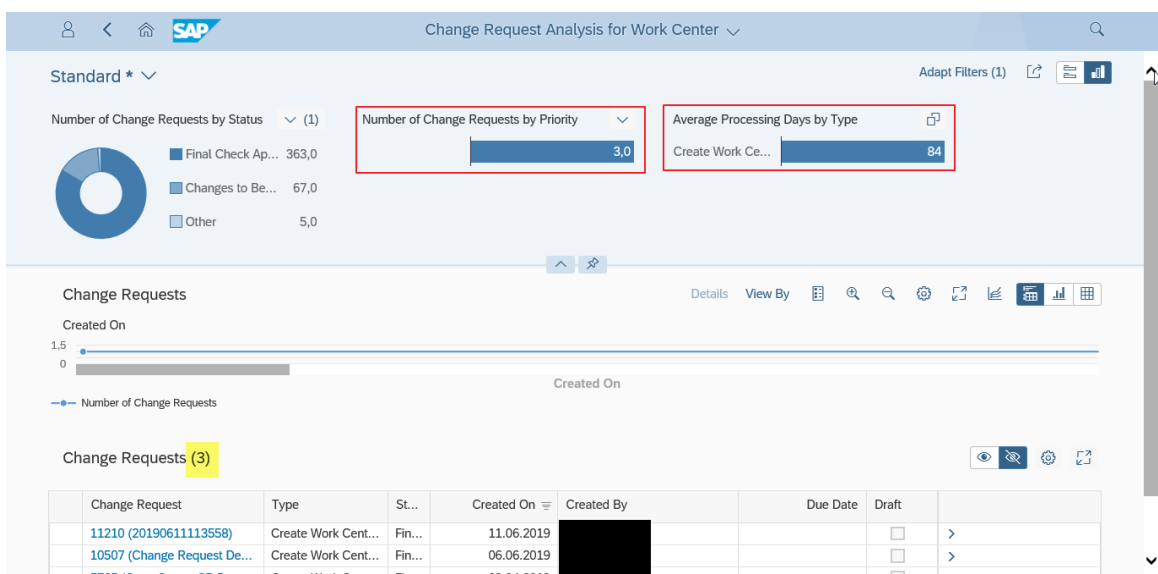
### 1. Number of Change Requests by Status



Select any Status using the dropdown to see the details of Change Requests with the selected status.



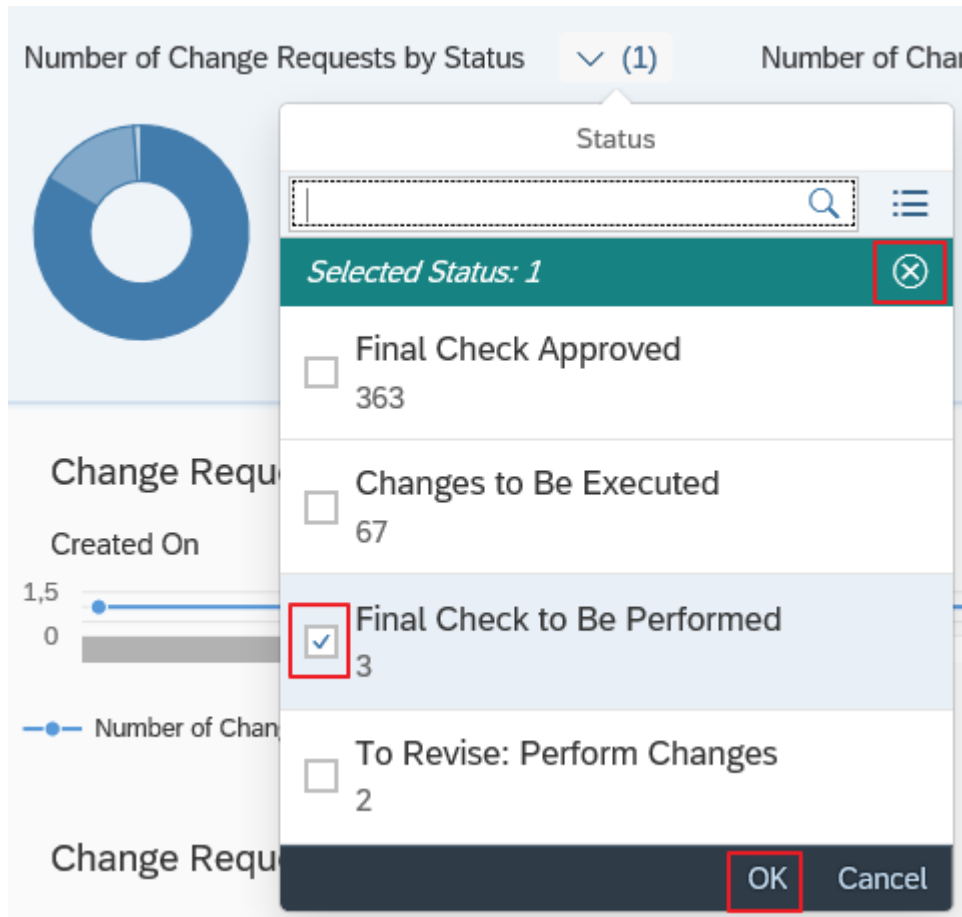
### 2. Select the status and click on "OK" to see the details. The result screen is as follows:



We can see the Priority and the Average Processing Days for the selected Change Requests as marked above.  
For e.g. the average processing time is 84 Days for the selected "Final Check to be Performed" Change Requests.

Similarly, CRs can be filtered by other statuses.

3. To remove the selection, click on dropdown and remove the selected status either by clicking on the "Clear Selection" or by unselecting the check box.

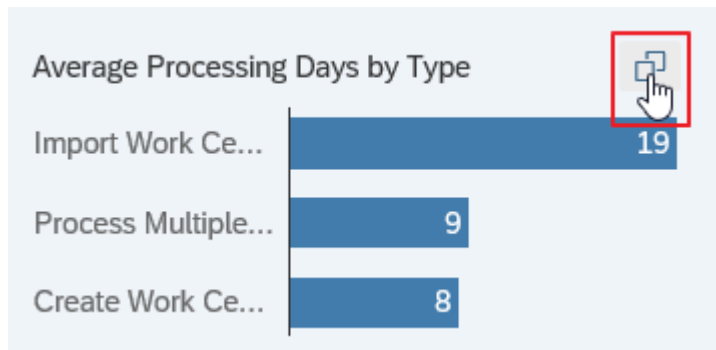


4. Number of Change Requests by Priority

The Change Requests can be filtered by priority by selecting a value & the filter can be removed by unchecking the checkbox or by clearing the selection, similar to steps provided in "Number of Change Requests by Status".

5. Average Processing Days by Type of Change Request

To view the Average Processing Days by Change Request Type, use the filter "Average Processing Days by Type". Select "Value Help for Type" to filter.



The CR Type can be chosen either by selecting it from the list or by using define conditions.

Type

**SELECT FROM LIST**    DEFINE CONDITIONS

Search

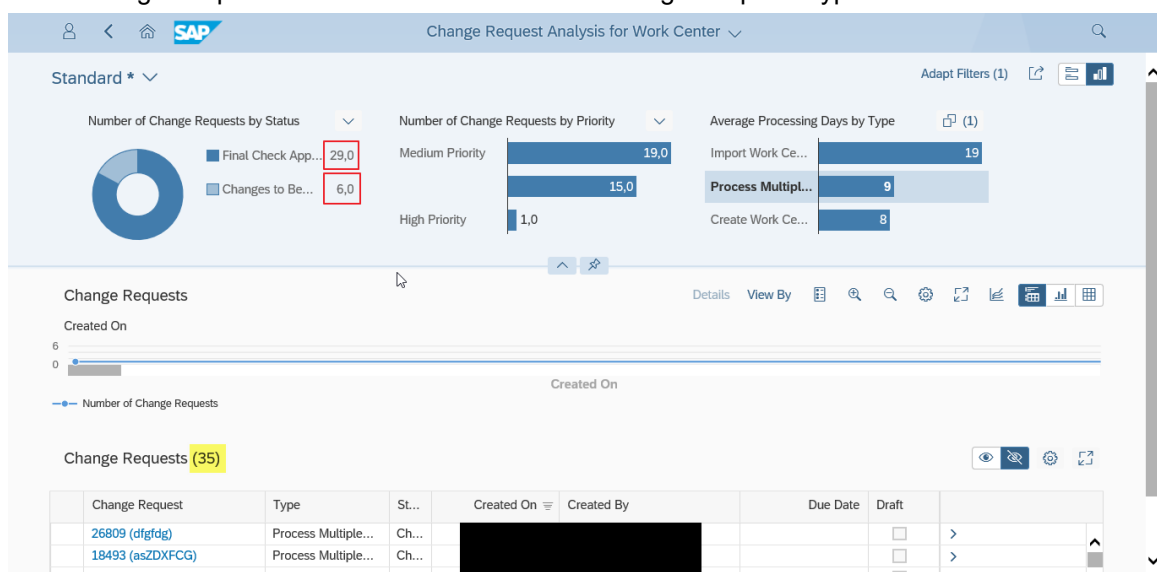
Items

<input type="checkbox"/>	Type Code	Type Description	Business Object Type	Si...	Pa...	Logical Action
<input type="checkbox"/>	WRKCTR01	Create Work Center	Workcenter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Create
<input type="checkbox"/>	WRKCTR02	Process Work Center	Workcenter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Change
<input type="checkbox"/>	WRKCTR06	Mark Work Center for Deletion	Workcenter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Delete
<input checked="" type="checkbox"/>	WRKCTR0A	Process Multiple Work Center	Workcenter	<input type="checkbox"/>	<input type="checkbox"/>	Mass Processing
<input type="checkbox"/>	WRKCTR0B	Import Work Center	Workcenter	<input type="checkbox"/>	<input type="checkbox"/>	Data Exchange
<input type="checkbox"/>	ZMPLAN01	Create Maintenance Plan -Z	Maintenance Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Create

Selected Items (1)

Process Multiple Work Center (WRKCTR0A)

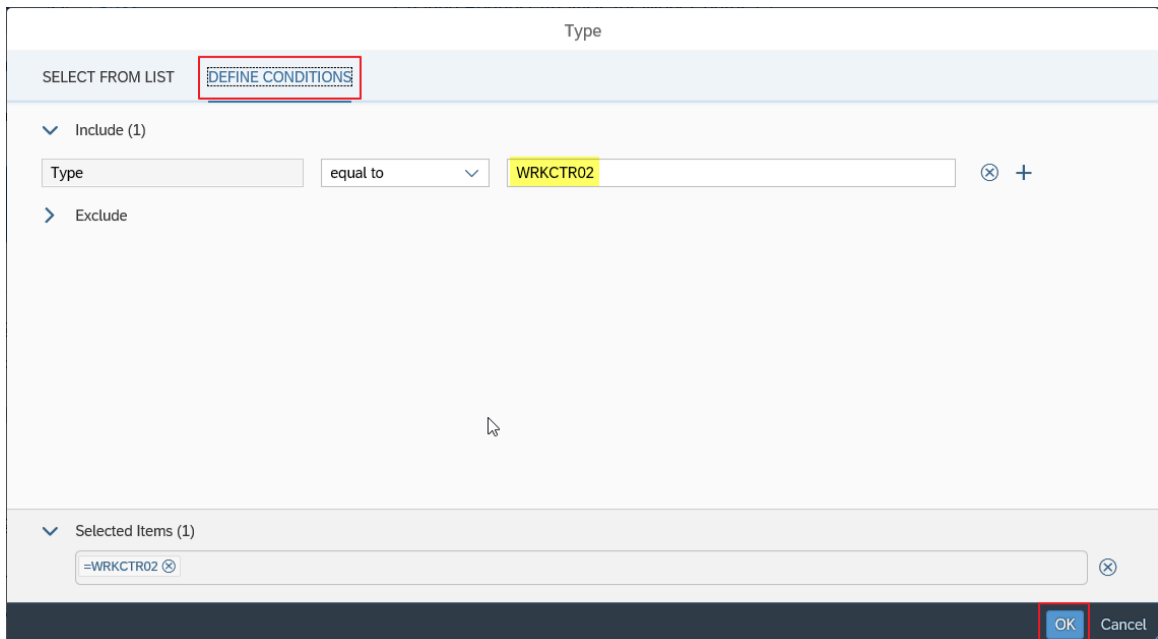
Once we select the Change Request Type and apply the filter, the resulting screen will show the Change Requests created with the selected Change Request Type.



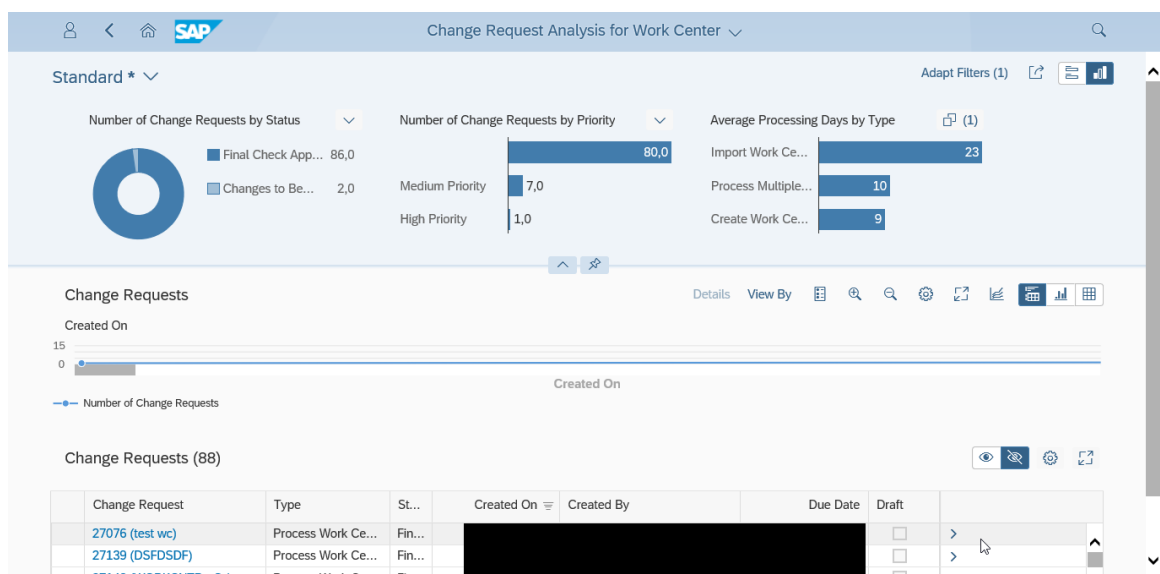
Out of the resulting CRs, we can see the number of change requests by status and by priority as shown above.



6. Similarly, the filtering can be done using "Define Conditions" as shown in the following screen.

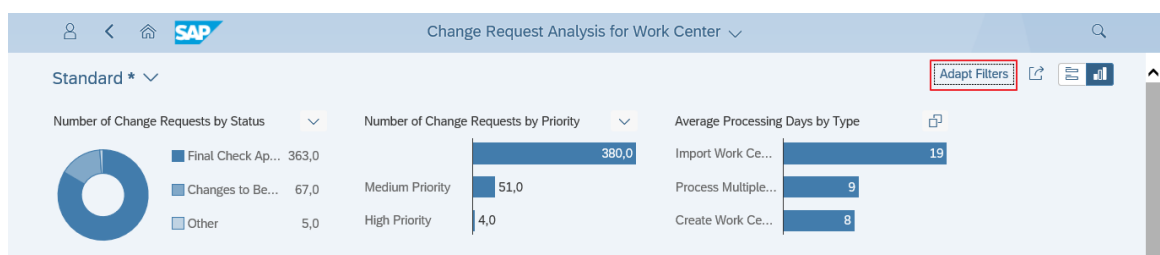


7. The following screen shows the results based on the selected filter condition.

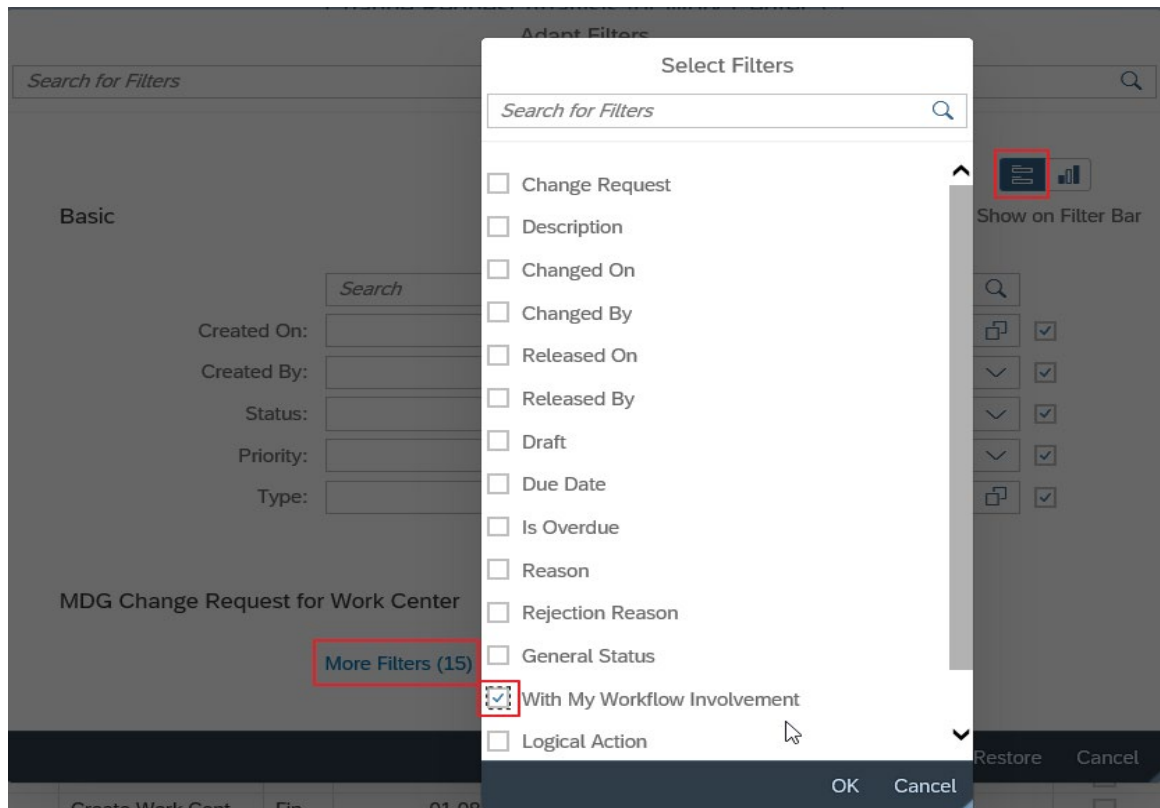


## 1. Other Filter Options

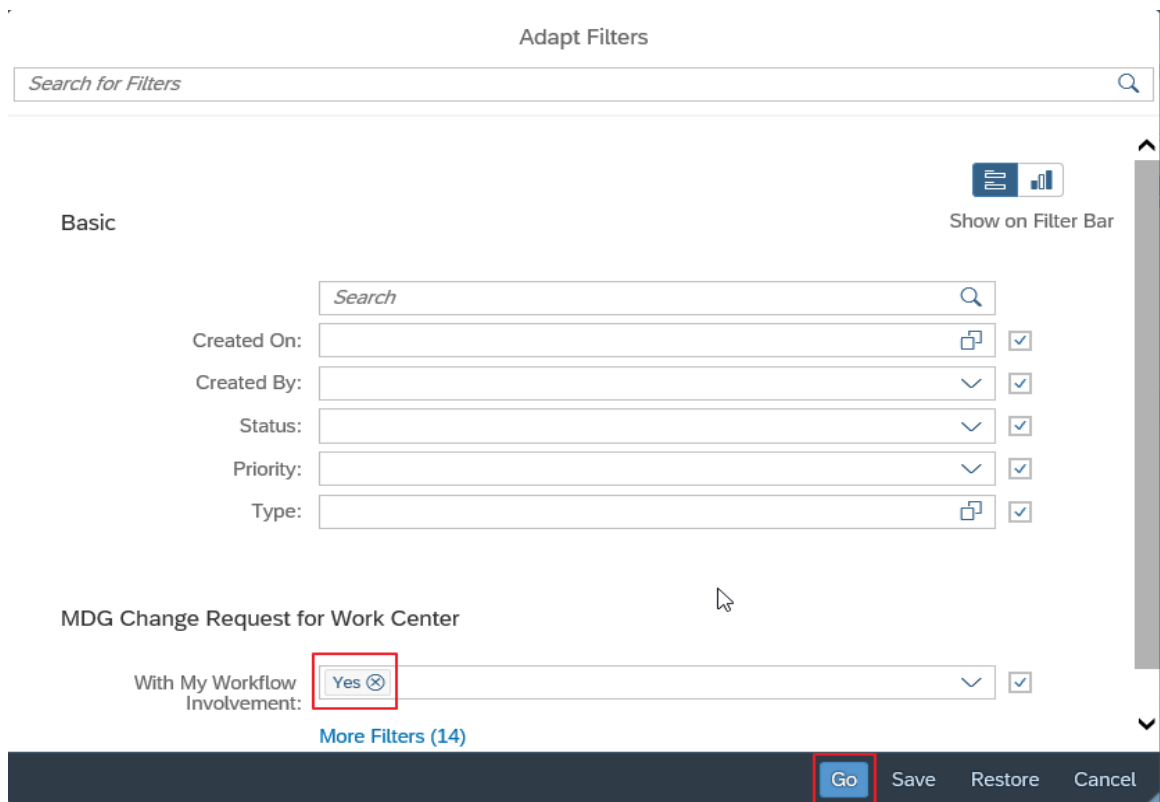
Use "Adapt Filters" option to choose more filters.



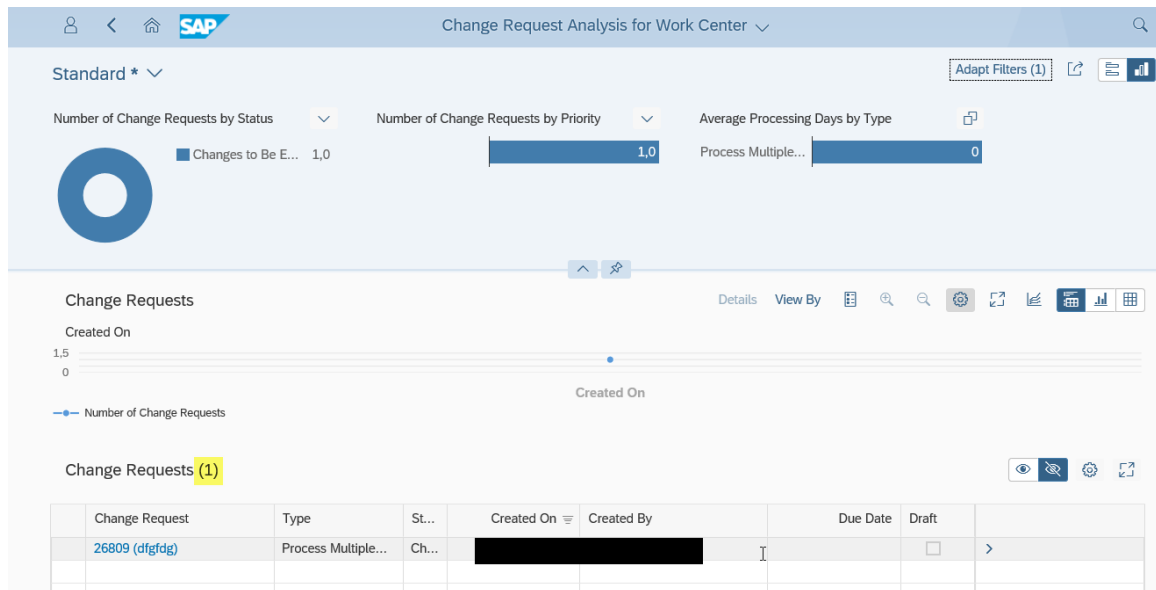
- Choose "Compact Filter" option marked on the "Adapt Filters" popup and click on "More Filters" to see all filter options available as shown in the following screen.



- Select any of the filter options from "More Filters". For e.g., the filter option "With My Workflow Involvement" is shown. Select a value for the filter option and click on "Go".

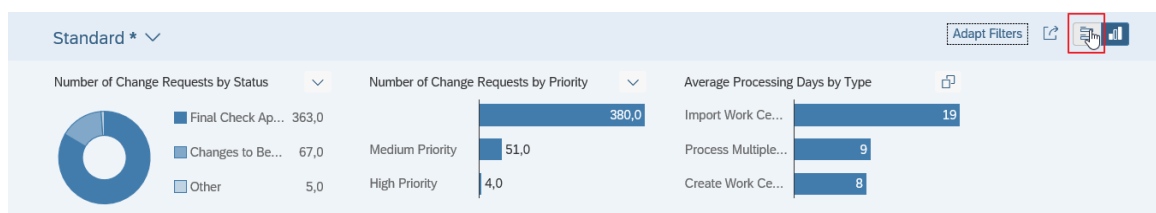


#### 4. The Change Requests which meet the filter condition will be displayed.

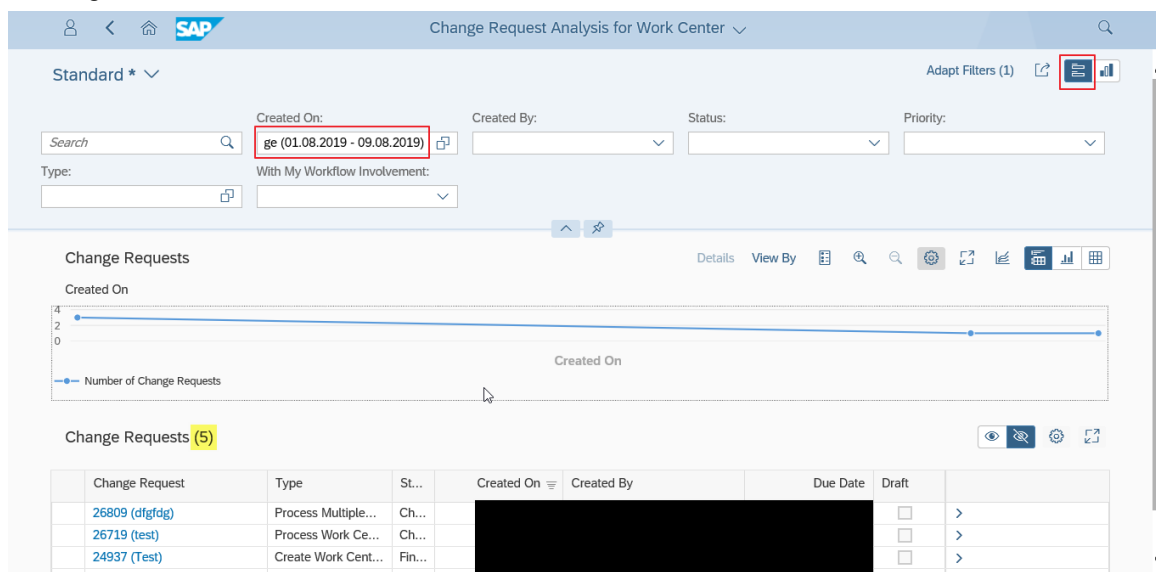


#### 1. Compact Filter

Use the compact filter option as marked in the following screen to see all selected filters on the header view.



#### 2. Choose any of the filter criterion as shown in the following screen to view the change requests meeting the selection criteria.



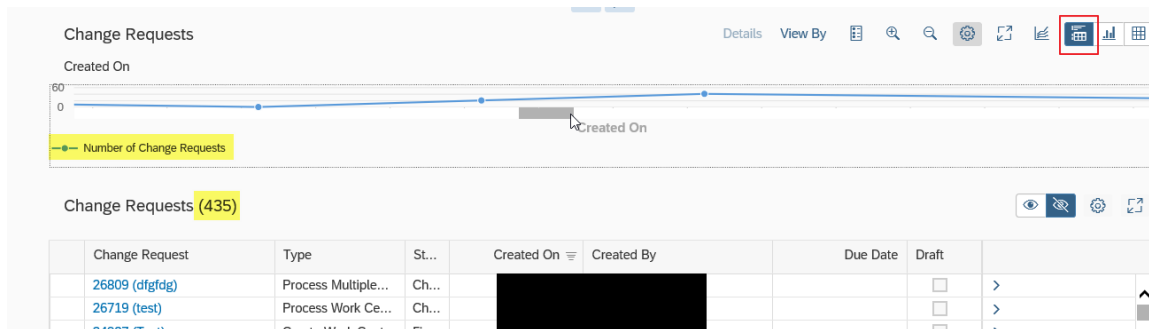
## Detail View

In Detail view, there are different views available:

- Chart and Table View
- Chart View
- Table View

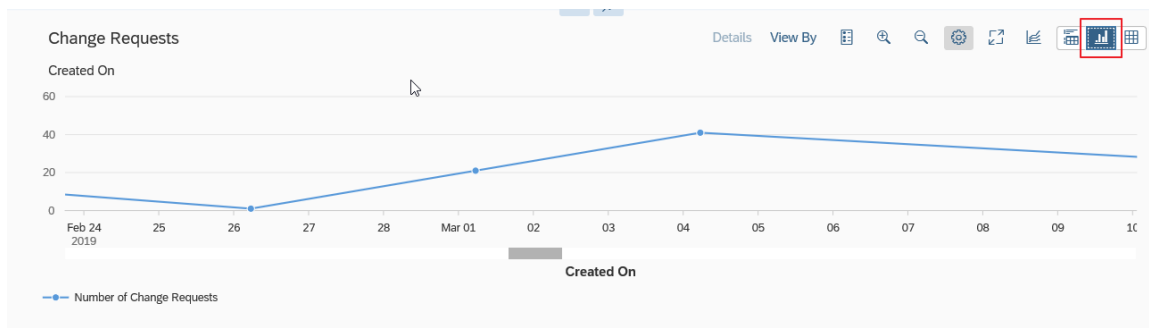
## Chart and Table view

In Chart and Table View, we can view both Chart View and Table View, as shown below.



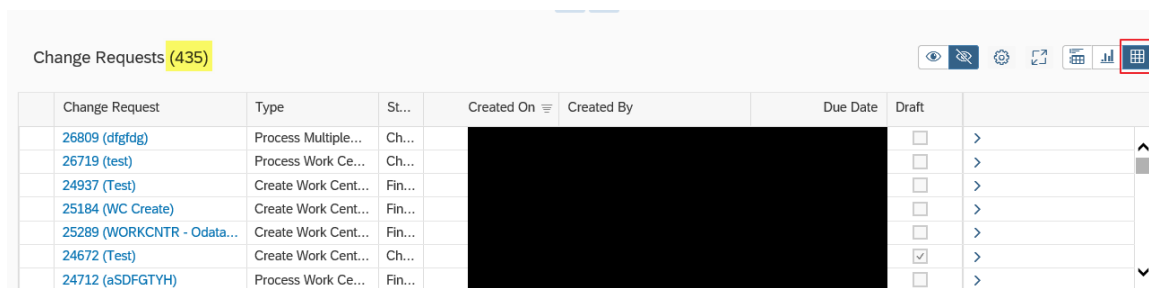
## Chart View

Only Chart View can be seen in the Detail View when the button as highlighted below is selected.



## Table View

Only Table View can be seen in the Detail View when the button as highlighted below is selected.

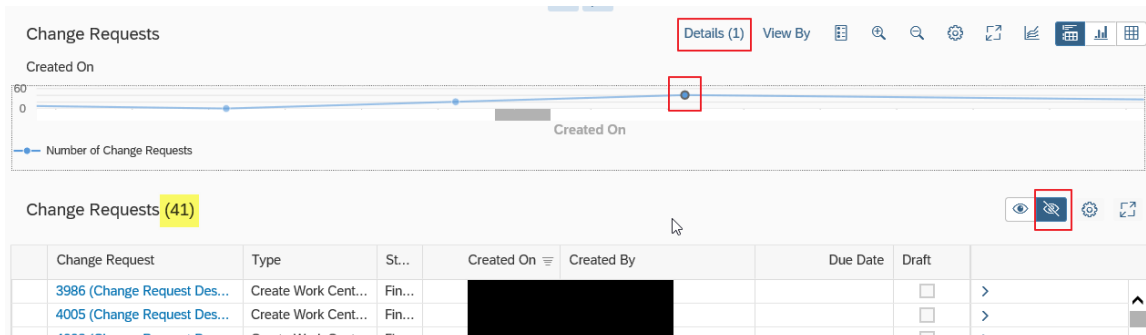


Change Requests (435)

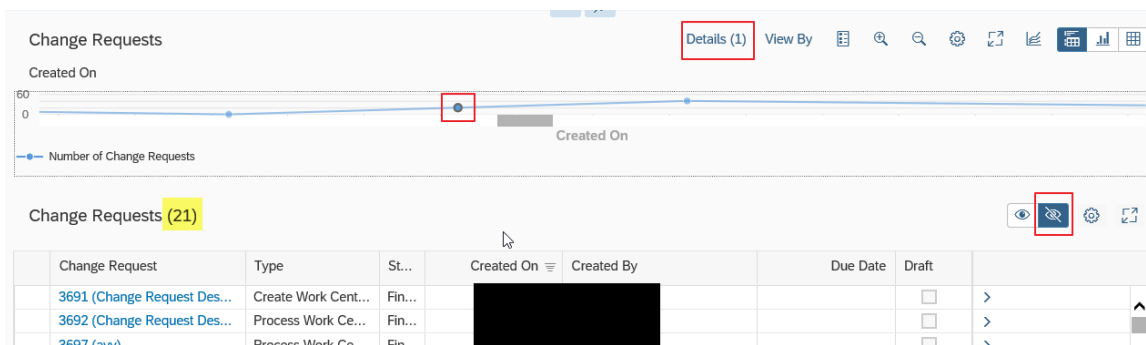
Change Request	Type	St...	Created On	Created By	Due Date	Draft
26809 (dfgfdg)	Process Multiple...	Ch...				<input type="checkbox"/>
26719 (test)	Process Work Ce...	Ch...				<input type="checkbox"/>
24937 (Test)	Create Work Cent...	Fin...				<input type="checkbox"/>
25184 (WC Create)	Create Work Cent...	Fin...				<input type="checkbox"/>
25289 (WORKCNTR - Odata...	Create Work Cent...	Fin...				<input type="checkbox"/>
24672 (Test)	Create Work Cent...	Ch...				<input checked="" type="checkbox"/>
24712 (aSDFGTYH)	Process Work Ce...	Fin...				<input type="checkbox"/>

## Other Options

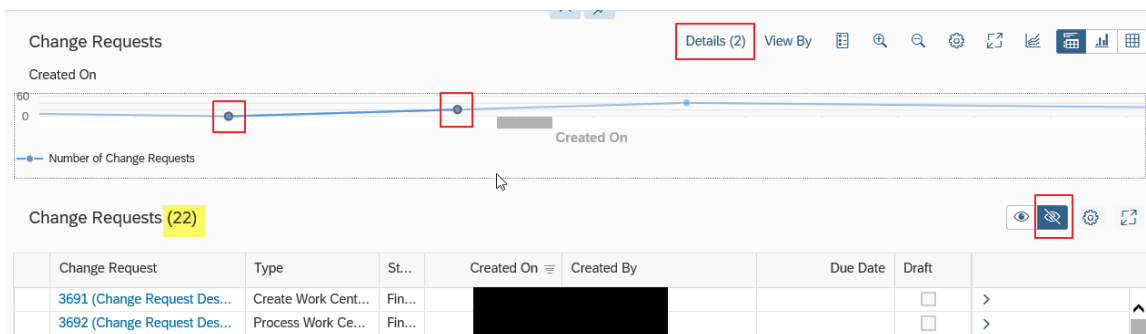
When a point on the chart is selected, only those Change Requests corresponding to the selection can be seen in the Table View, when the selection is "Show Only Selected Items on the Chart", as marked below.



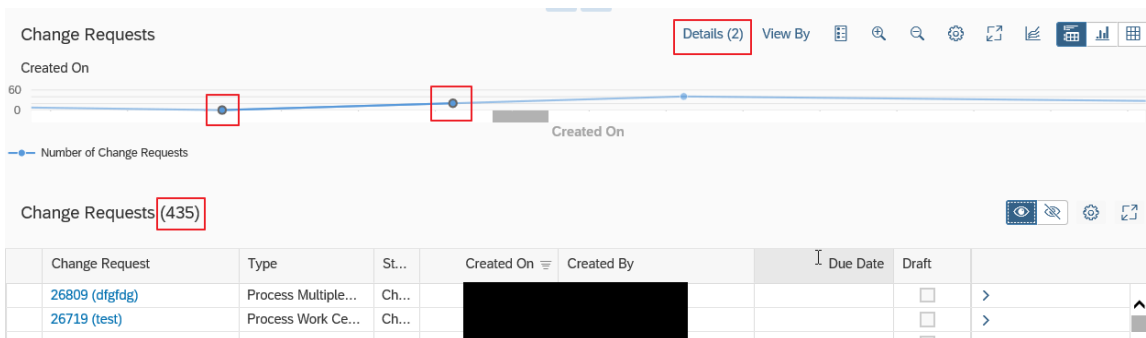
See the difference in the Number of Change Requests when the selection is changed.



When the selection is multiple, change requests corresponding to multiple selections will be seen in the Table View.

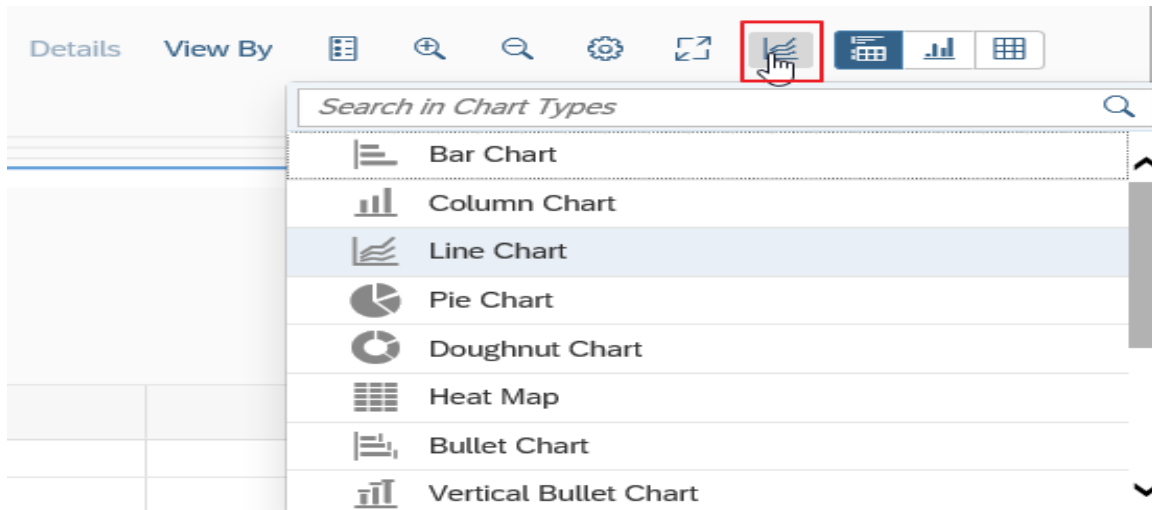


When "Show All Items" is selected at the Table View, all Change Requests will be seen in the Table View irrespective of the selection in the Chart View.

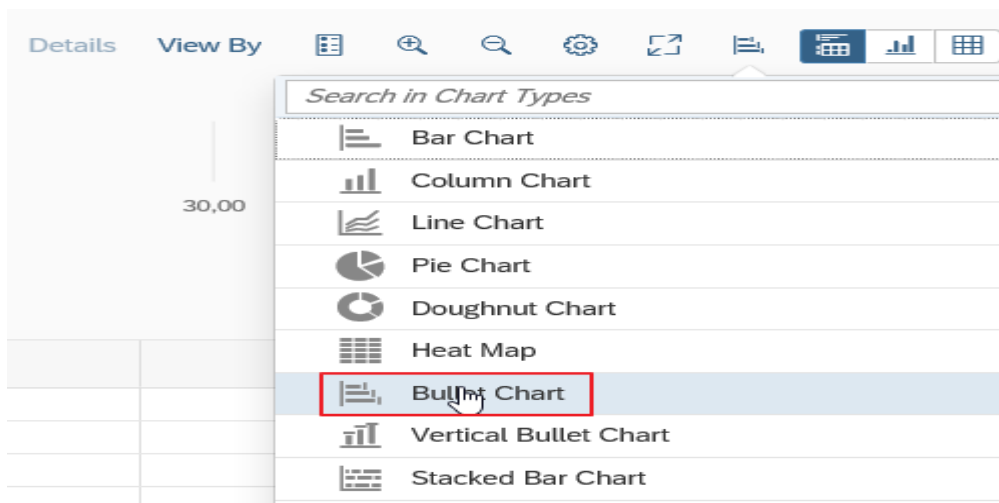


## Chart Options

There are different options available for the Type of Chart to be displayed in the Chart View.



Select the "Bullet Chart" from the selection.



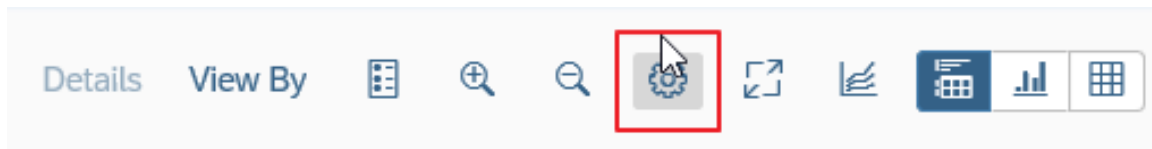
Based on the selection, Chart Type will be displayed.



## Other Settings

### Chart View

Select the Settings Button marked below to alter the Dimension and Measure.



View Settings

Chart	Sort	Filter
Line Chart	Search	Show Selected
<input type="checkbox"/> Select All (2/22)	Type	Role
<input checked="" type="checkbox"/> Created On	Dimension	Series
<input checked="" type="checkbox"/> Number of Change Requests	Measure	Axis 1
<input type="checkbox"/> Average Processing Days	Measure	Axis 1
<input type="checkbox"/> Change Request	Dimension	Category
<input type="checkbox"/> Changed By	Dimension	Category
<input type="checkbox"/> Changed On	Dimension	Category
<input type="checkbox"/> Created By	Dimension	Category
<input type="checkbox"/> Days Overdue	Measure	Axis 1
<input type="checkbox"/> Draft	Dimension	Category
<input type="checkbox"/> Due Date	Dimension	Category

OK Cancel Restore

## Table View

Select the Settings Button marked below to alter the selection.



View Settings

Columns	Sort	Filter	Group
<input type="checkbox"/> Select All (7/23)	Search	Show Selected	
<input checked="" type="checkbox"/> Change Request			
<input checked="" type="checkbox"/> Type			
<input checked="" type="checkbox"/> Status			
<input checked="" type="checkbox"/> Created On			
<input checked="" type="checkbox"/> Created By			
<input checked="" type="checkbox"/> Due Date			
<input checked="" type="checkbox"/> Draft			
<input type="checkbox"/> Average Processing Days			
<input type="checkbox"/> Changed By			
<input type="checkbox"/> Changed On			
<input type="checkbox"/> Days Overdue			
<input type="checkbox"/> Description			

OK Cancel Restore

## Change Process Analysis

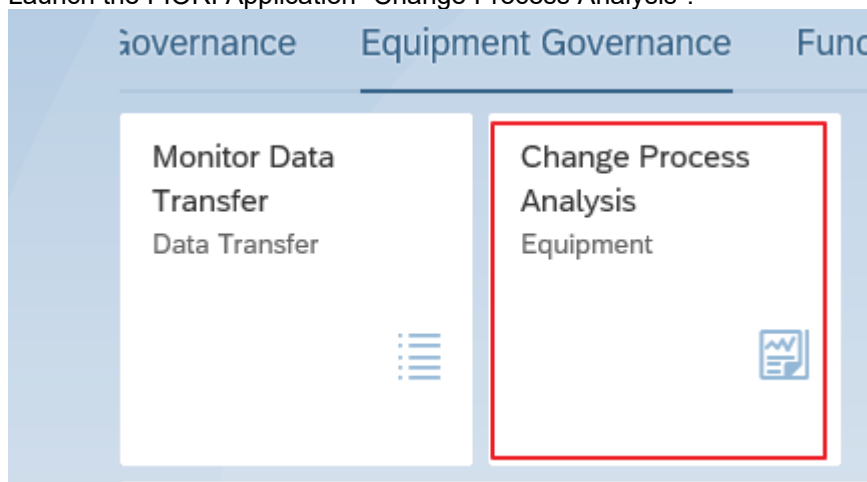
Change Process Analysis gives us the information regarding the total number of change processes created for an object along with the number of change processes by different processes.

### **i** Note

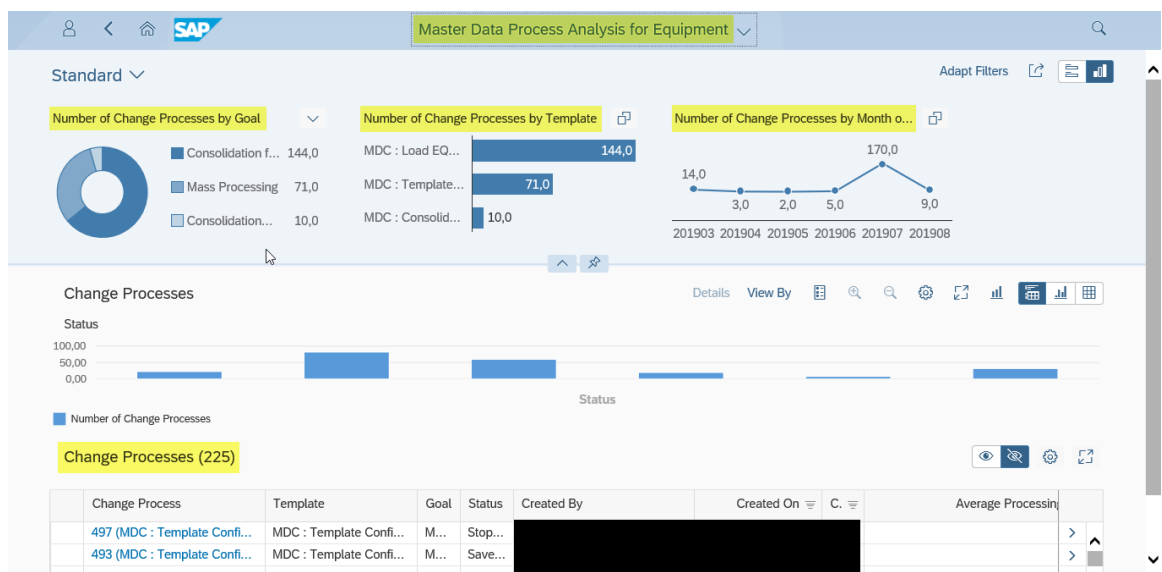
Screen shots for different processes available in Change Process Analysis are given for Equipment Object. And the procedure is same for all other objects.

Use following steps to analyze Change Processes.

1. Run t-code /n/UI2/FLP.
2. Select the tab "Equipment Governance".
3. Launch the FIORI Application "Change Process Analysis".



4. Change Process Analysis screen will be displayed as shown below. It has Header and Detail Views.

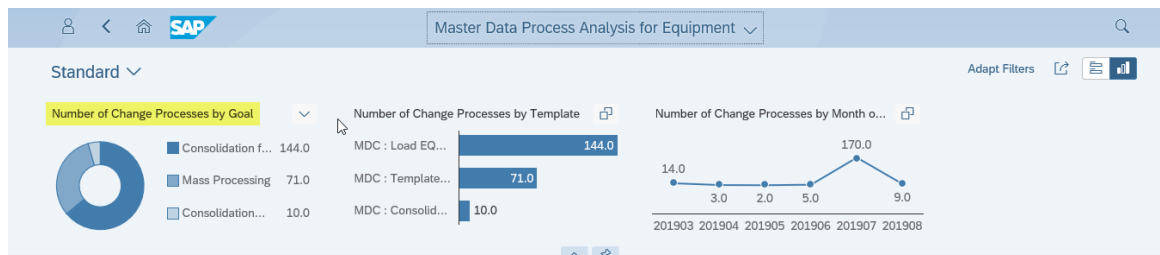




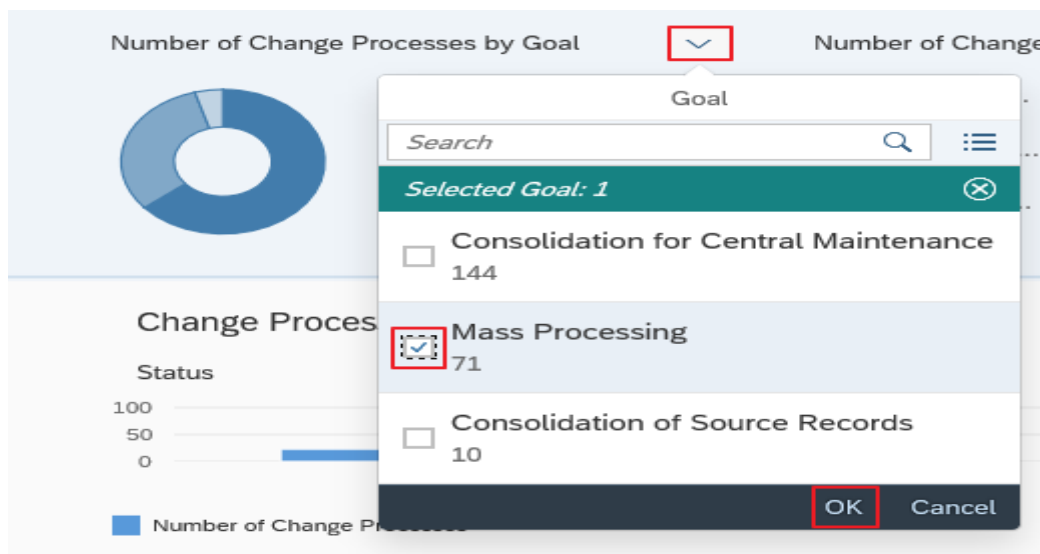
## Header View

In Header View, we can see the overview of change processes by different processes.

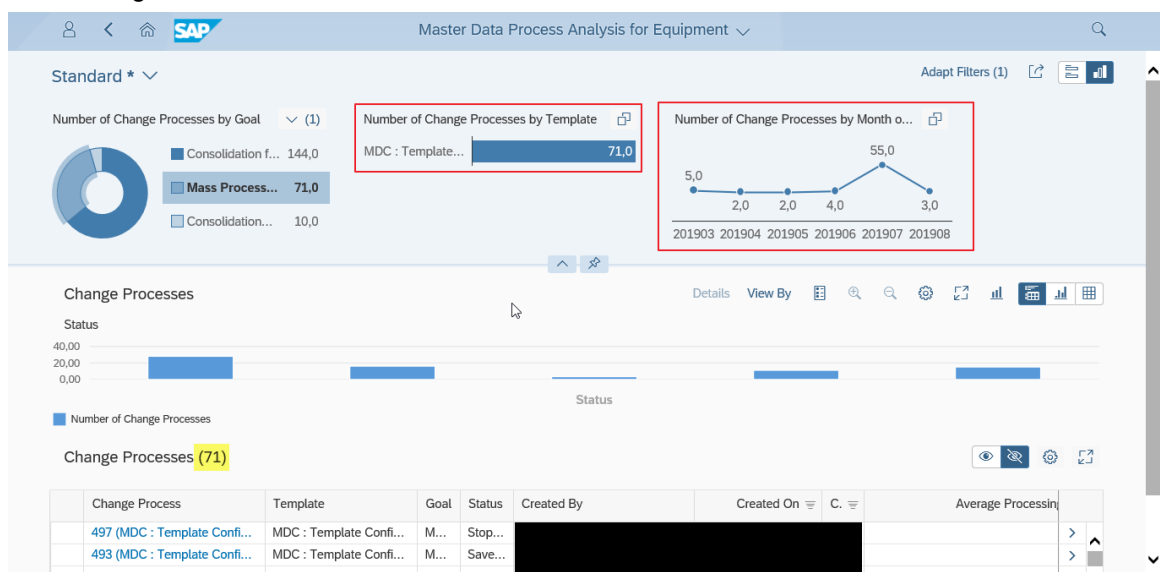
### 1. Number of Change Processes by Goal



### 2. Select any Goal using the dropdown to see the details of Change Processes with the selected goal.



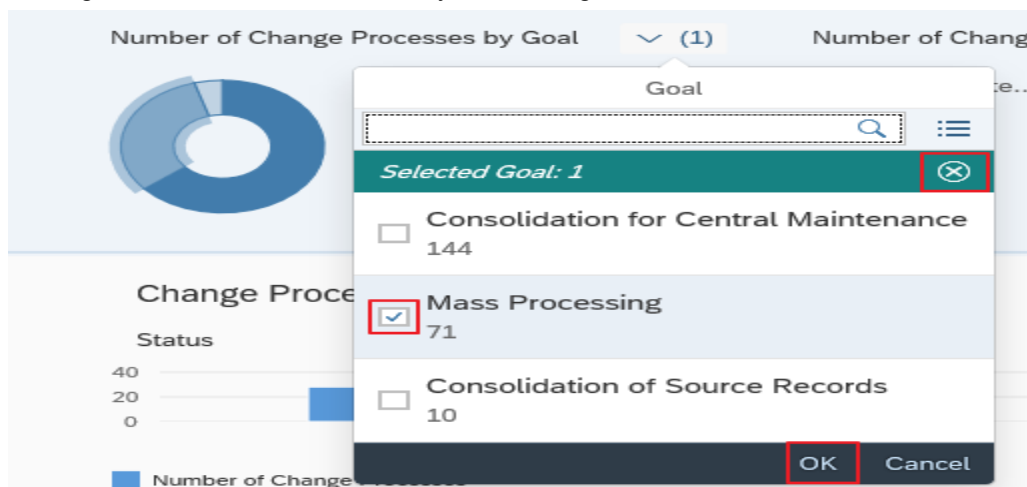
### 3. Select the goal and click on "OK" to see the details. The result screen is as follows:



Here, we can see the Number of Change Processes by Template and the Number of Change Processes by Month of Creation for the selection.

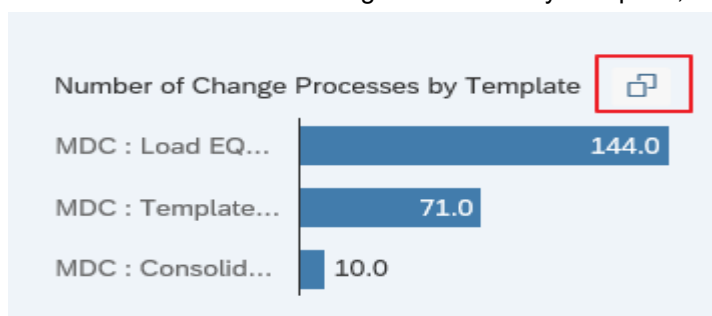
Similarly, Change Processes can be filtered by other goals.

- To remove the selection, again click on dropdown and remove the selected goal either by clicking on the "Clear Selection" or by unselecting the check box.

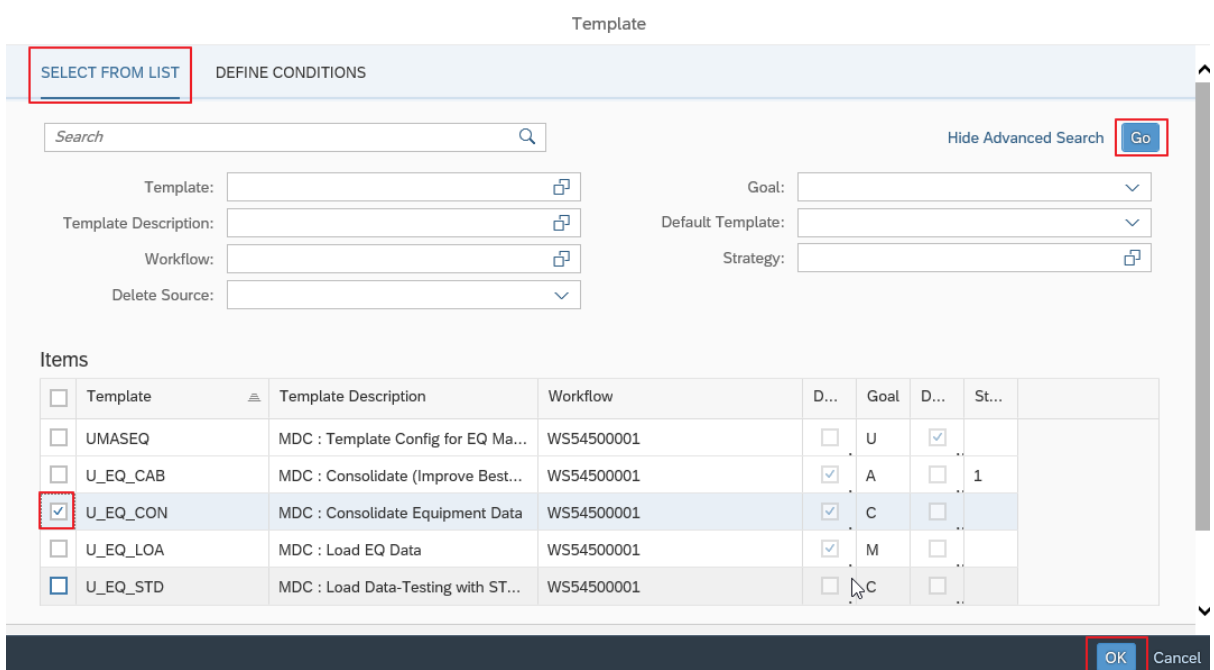


- Number of Change Processes by Template

To filter the number of Change Processes by Template, Use the "Value Help for Template".

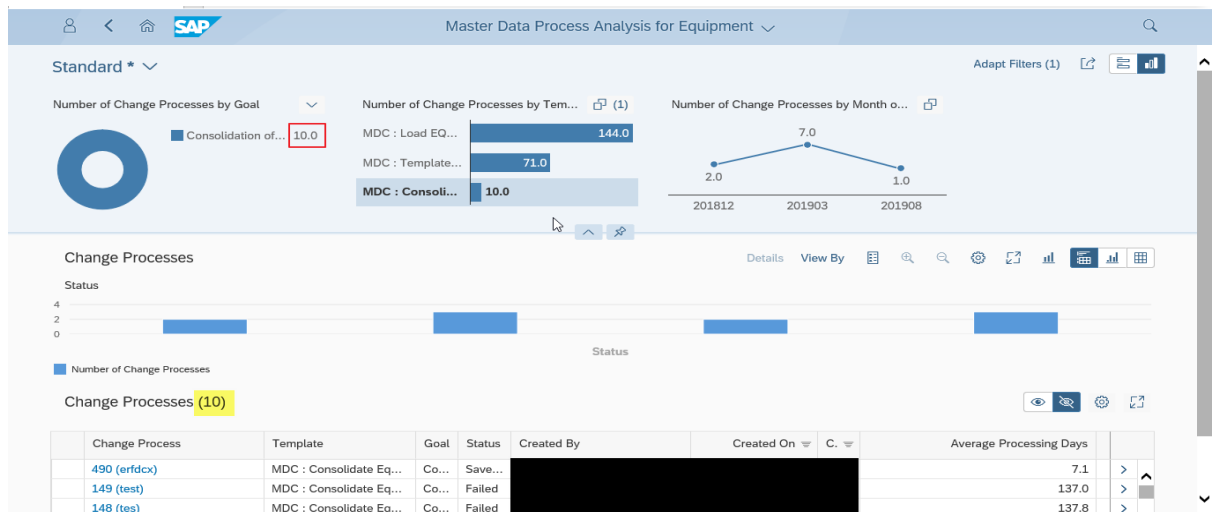


- The Template can be chosen either by selecting it from the list or by using define conditions.

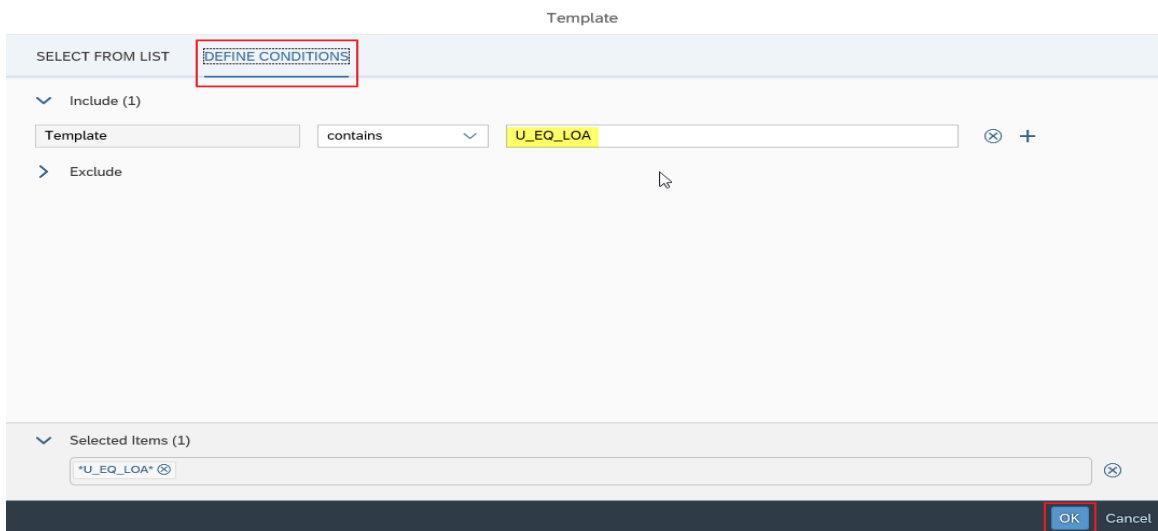


Template	Template Description	Workflow	D...	Goal	D...	St...
<input type="checkbox"/> UMASEQ	MDC : Template Config for EQ Ma...	WS54500001	<input type="checkbox"/>	U	<input checked="" type="checkbox"/>	
<input type="checkbox"/> U_EQ_CAB	MDC : Consolidate (Improve Best...	WS54500001	<input checked="" type="checkbox"/>	A	<input type="checkbox"/>	1
<input checked="" type="checkbox"/> U_EQ_CON	MDC : Consolidate Equipment Data	WS54500001	<input checked="" type="checkbox"/>	C	<input type="checkbox"/>	
<input type="checkbox"/> U_EQ_LOA	MDC : Load EQ Data	WS54500001	<input checked="" type="checkbox"/>	M	<input type="checkbox"/>	
<input type="checkbox"/> U_EQ_STD	MDC : Load Data-Testing with ST...	WS54500001	<input type="checkbox"/>	C	<input type="checkbox"/>	

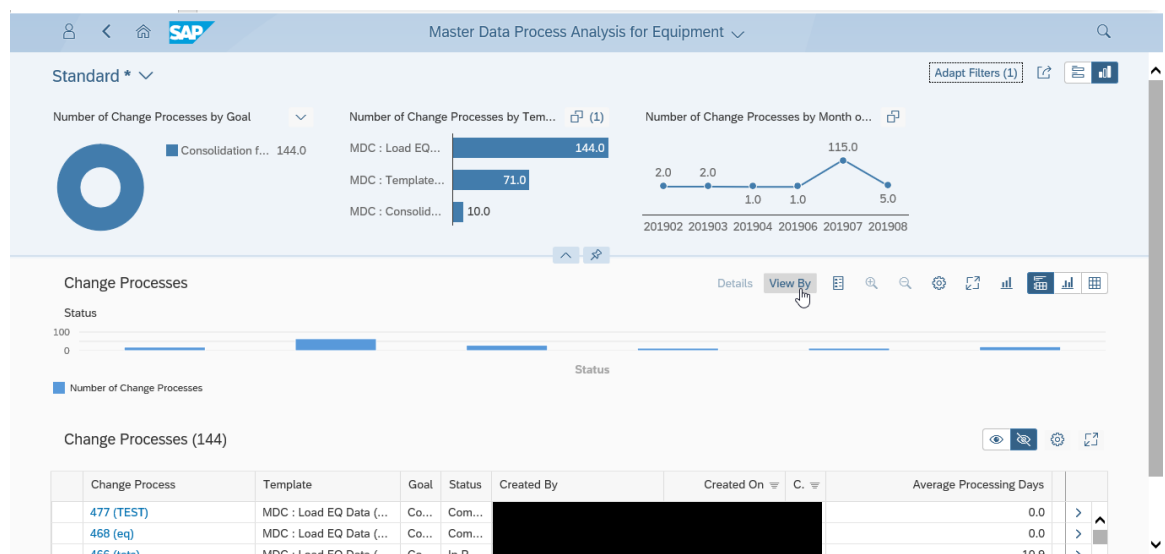
Once we select the Template and apply the filter, the resulting screen will show the Change Processes created with the selected Template.



Similarly, the filtering can be done using "Define Conditions" as shown below.



The screenshot shows the 'Define Conditions' dialog box. It has a 'SELECT FROM LIST' section with a 'DEFINE CONDITIONS' button. Below this is an 'Include (1)' section with a 'Template' field containing 'U\_EQ\_LOA' and a 'contains' dropdown. There is also an 'Exclude' section. At the bottom, there is a 'Selected Items (1)' section with a list containing '\*U\_EQ\_LOA\*'. The 'OK' button is highlighted with a red box.



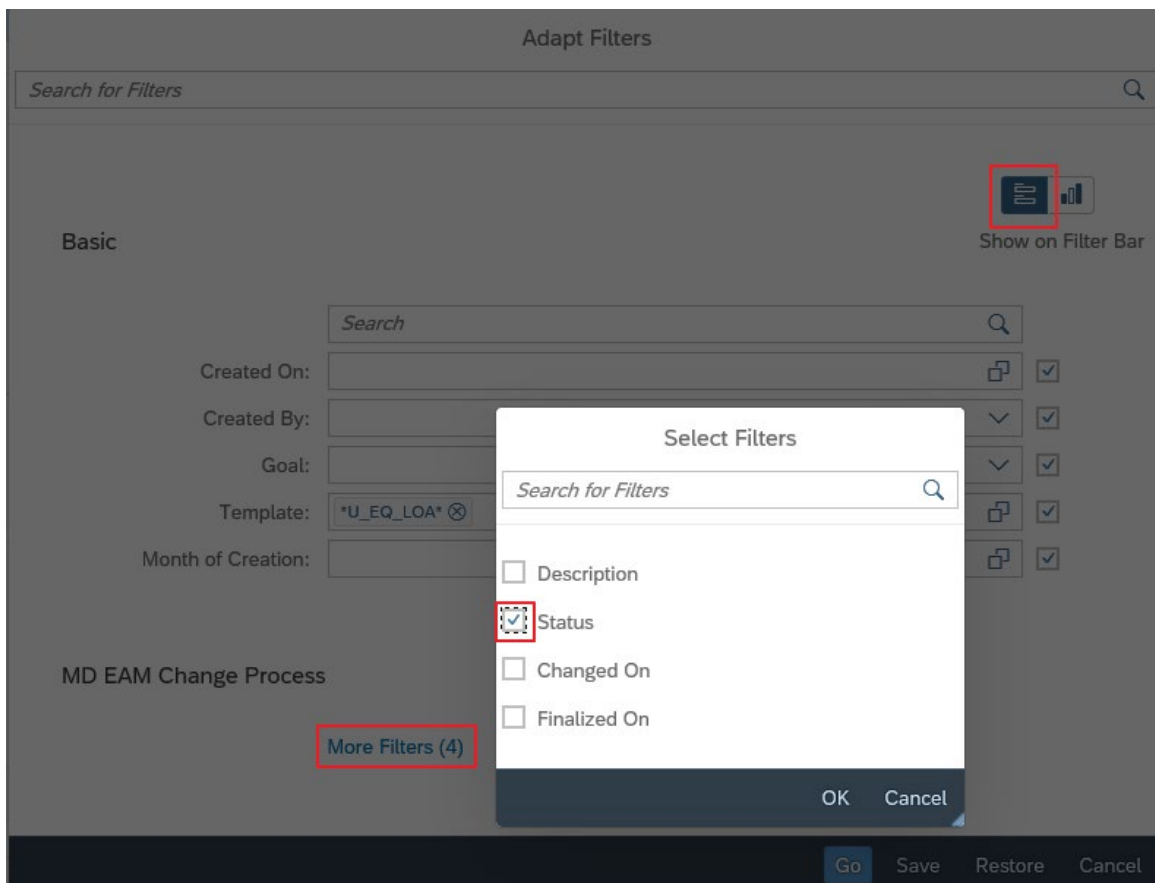
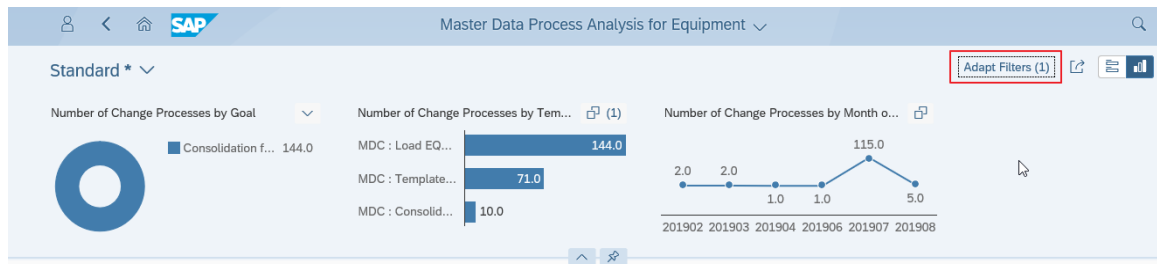
## 1. Number of Change Processes by Month of Creation

The Change Processes can also be filtered by Month of Creation. Follow the same steps mentioned in the above point Filtering the Change processes by template.

The Change Processes can be filtered by Month of Creation, by selecting the month & the filter can be removed by clearing the selection.

## 2. Different Filter Options

Use "Adapt Filters" option to choose more filters.



Filter Option	Selected
Description	<input type="checkbox"/>
Status	<input checked="" type="checkbox"/>
Changed On	<input type="checkbox"/>
Finalized On	<input type="checkbox"/>

Select any of the filter options from "More Filters". Here the filter option "Status" is shown. Select a value for the filter option and click on "Go".

Adapt Filters

Search for Filters Q

**Basic**

Search Q



Created On:  Q ☒

Created By:  V ☒

Goal:  V ☒

Template:  Q ☒

Month of Creation:  Q ☒



  
 Show on Filter Bar

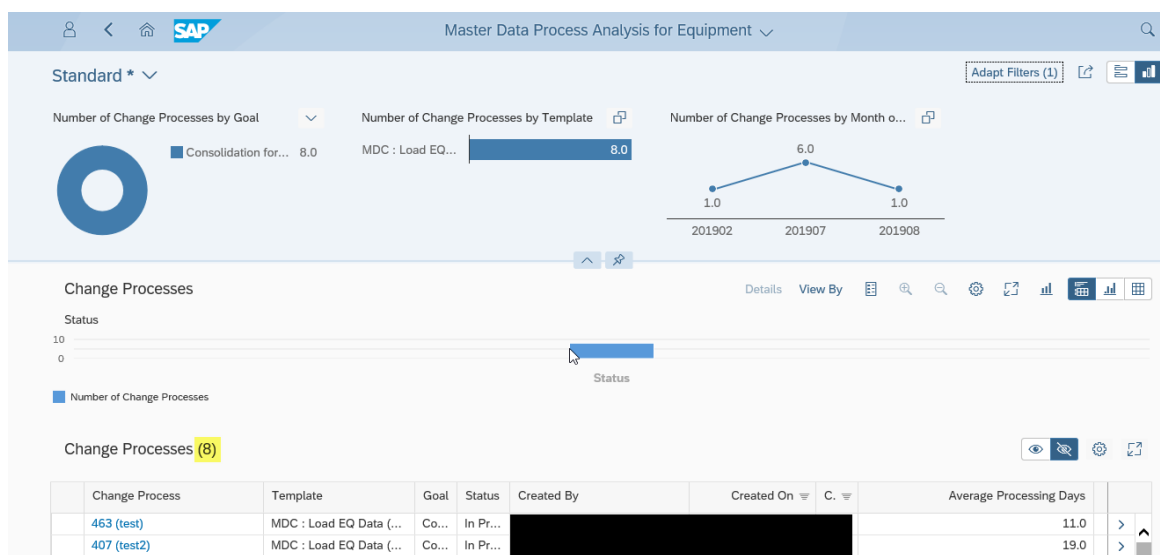
**MD EAM Change Process**

Status: In Process V ☒

More Filters (3)

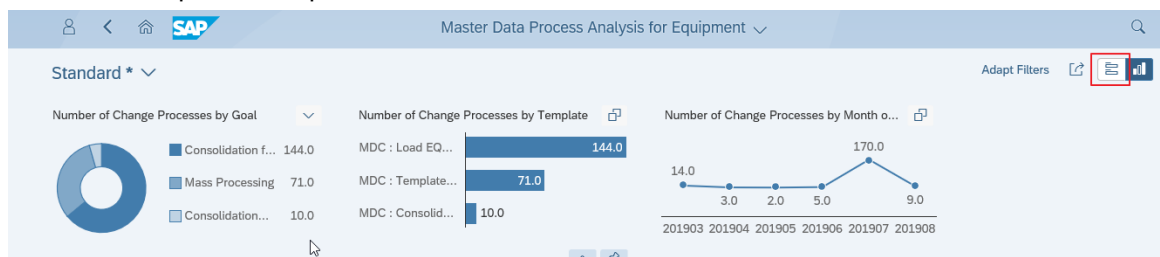
Go
Save
Restore
Cancel

Number of Change Processes which meet the filter condition will be shown.

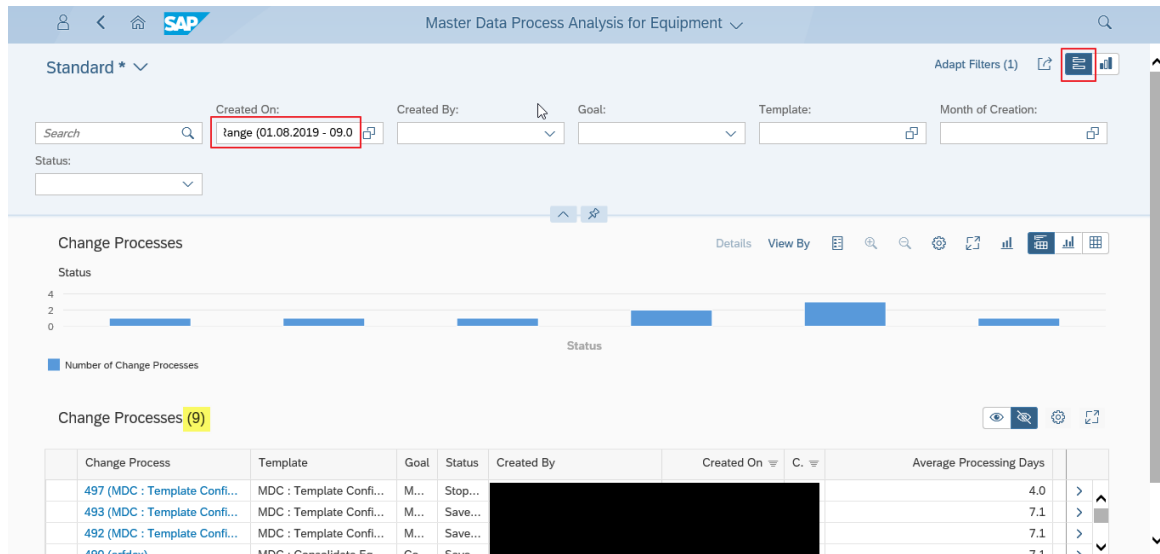


## 1. Compact Filter

Use the compact filter option as marked below to see all filters selected on the header view.



Select any of the filters to view the results.



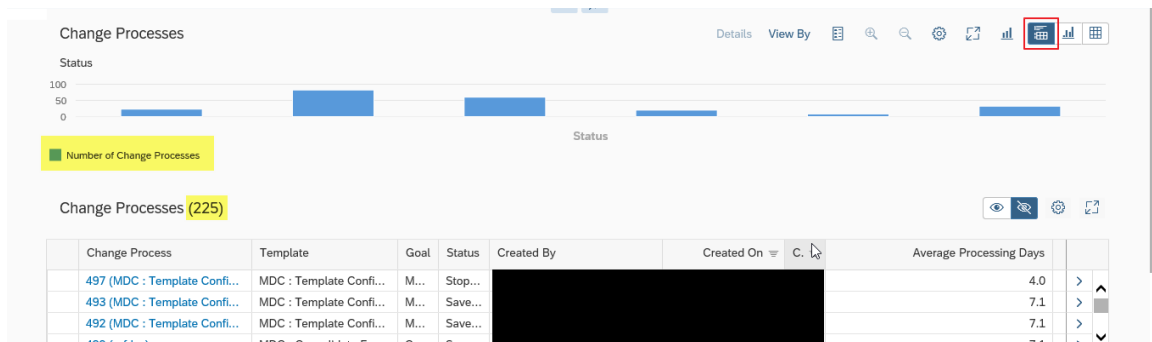
## Detail View

In Detail view, there are different views available:

- Chart and Table View
- Chart View
- Table View

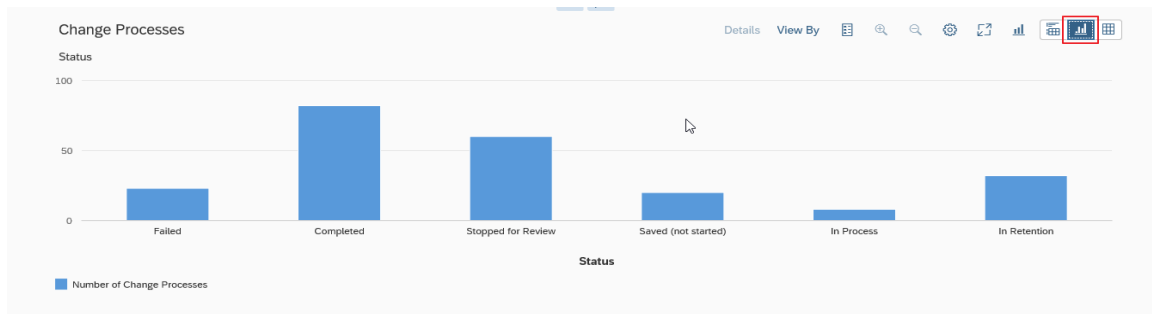
## Chart and Table view

In Chart and Table View, we can view both Chart View and Table View, as shown below.



## Chart View


Only Chart View can be seen in the Detail View when the button as highlighted below is selected.



## Table View

Only Table View can be seen in the Detail View when the button as highlighted below is selected.

Change Processes (225)



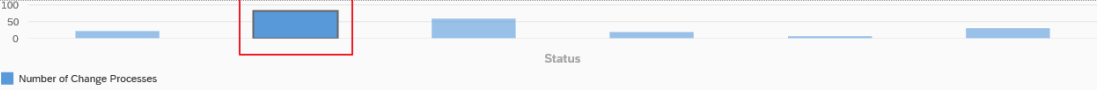
Change Process	Template	Goal	Status	Created By	Created On	C. #	Average Processing Days
497 (MDC : Template Confi...	MDC : Template Confi...	M...	Stop...				
493 (MDC : Template Confi...	MDC : Template Confi...	M...	Save...				
492 (MDC : Template Confi...	MDC : Template Confi...	M...	Save...				
490 (erfdcx)	MDC : Consolidate Eq...	Co...	Save...				
477 (TEST)	MDC : Load EQ Data (...)	Co...	Com...				
468 (eq)	MDC : Load EQ Data (...)	Co...	Com...				

## Other Options


When a column on the chart is selected, only those Change Processes can be seen in the Table View, when the selection is "Show Only Selected Items on the Chart", as marked below.

Change Processes

Details (1) View By



Change Processes (82)

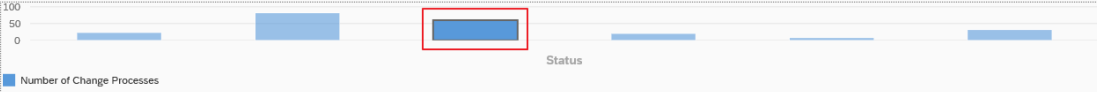


Change Process	Template	Goal	Status	Created By	Created On	C. #	Average Processing Days
477 (TEST)	MDC : Load EQ Data (...)	Co...	Com...				0.0
468 (eq)	MDC : Load EQ Data (...)	Co...	Com...				0.0
453 (TETS)	MDC : Load EQ Data (...)	Co...	Com...				0.0
452 (TETFC)	MDC : Load EQ Data (...)	Co...	Com...				0.0


See the difference in the Number of Change Requests when the selection is changed.

Change Processes

Details (1) View By

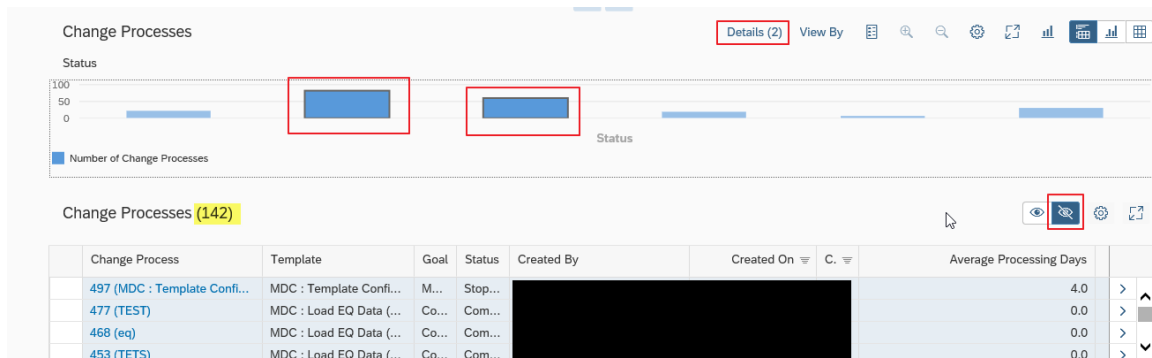


Change Processes (60)

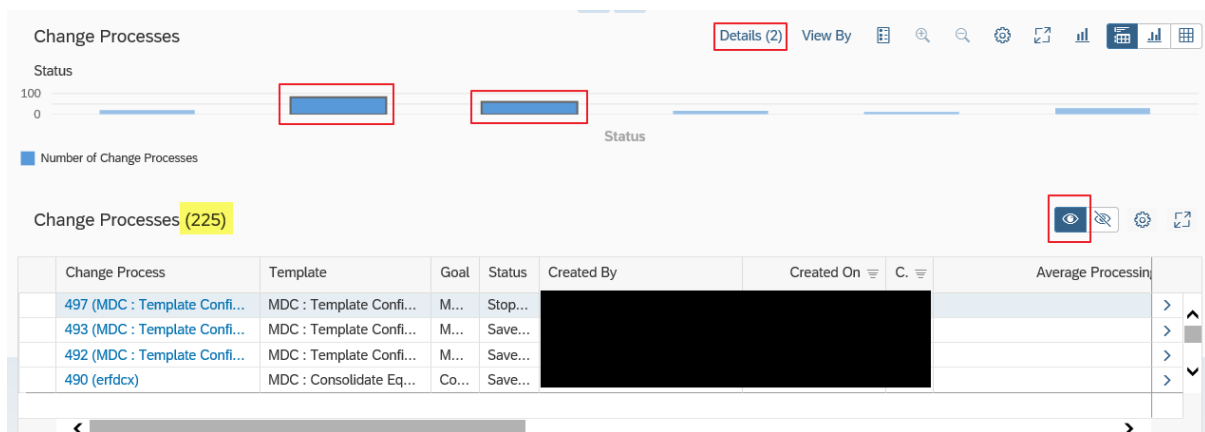


Change Process	Template	Goal	Status	Created By	Created On	C. #	Average Processing Days
497 (MDC : Template Confi...	MDC : Template Confi...	M...	Stop...				4.0
442 (MDC : Template Confi...	MDC : Template Confi...	M...	Stop...				13.9
424 (erfdgb)	MDC : Load EQ Data (...)	Co...	Stop...				17.1
415 (ewfdvdl)	MDC : Load EQ Data (...)	Co...	Stop...				18.1

When the selection is multiple, all those objects will be seen in the Table View.

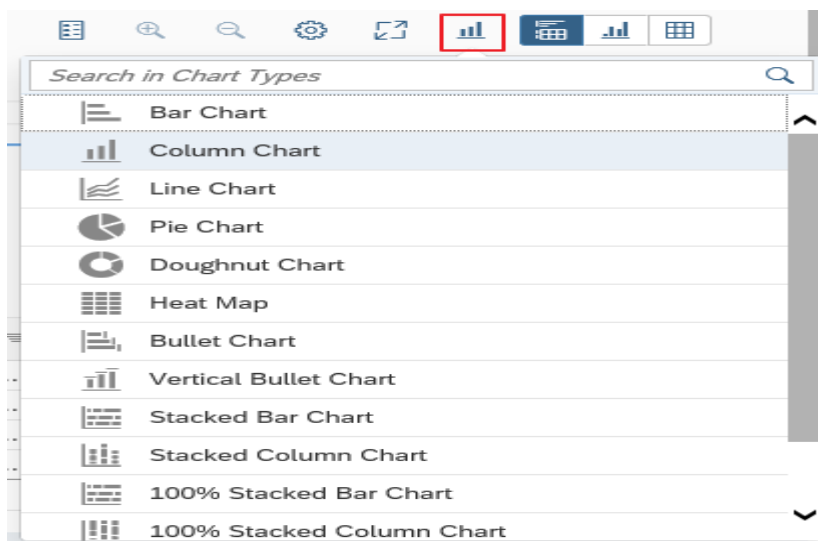


When "Show All Items" is selected at the Table View, all Change Requests will be seen in the Table View irrespective of the selection in the Chart View.



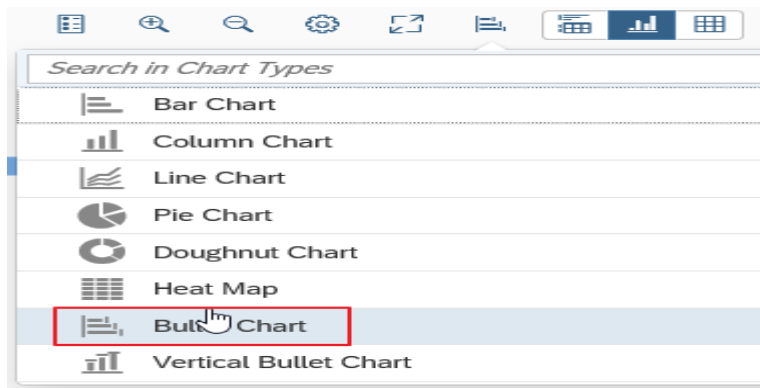
## Chart Options

There are different options available for the Type of Chart to be displayed in the Chart View.

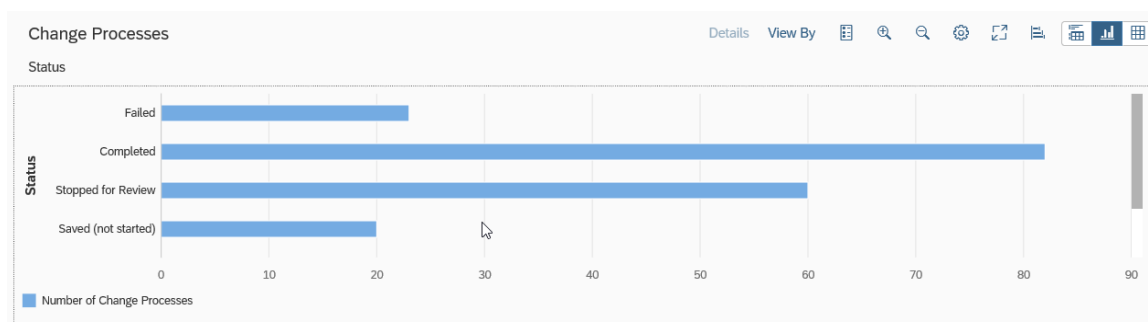


Select the "Bullet Chart" from the selection.





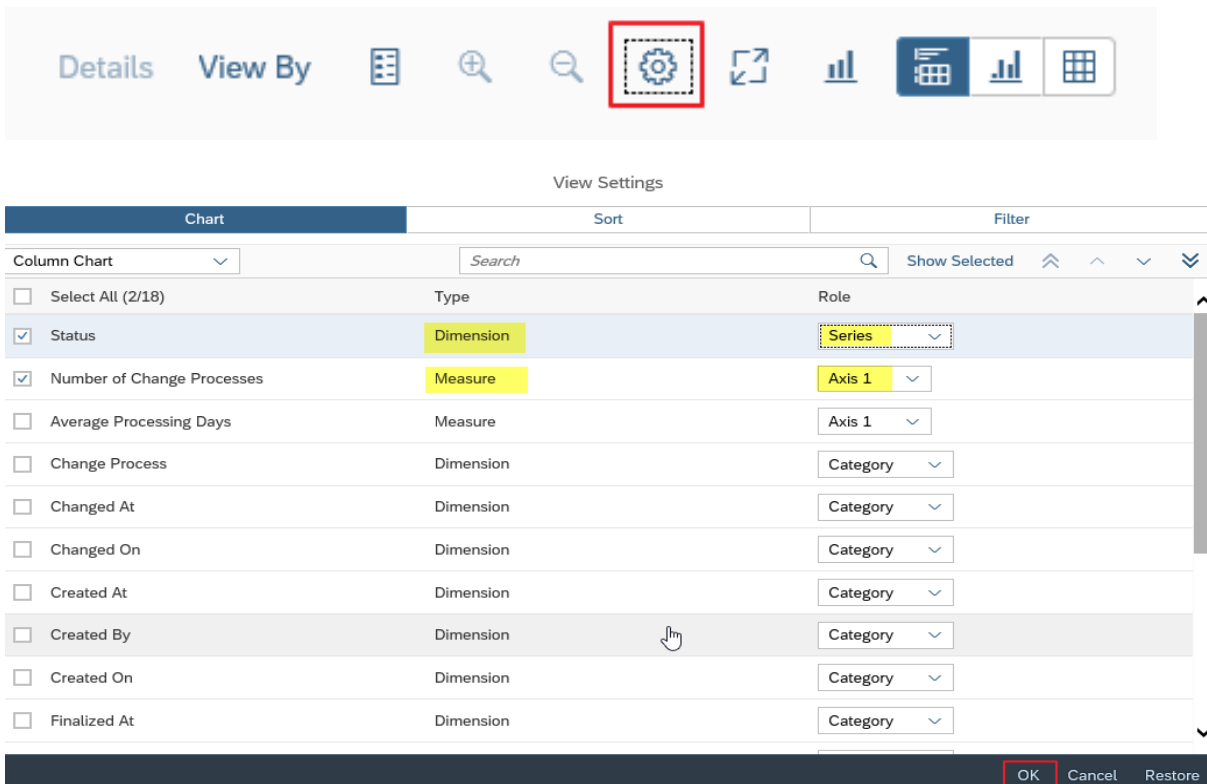
Based on the selection, Chart Type will be displayed.



## Other Settings

### Chart View

Select the Settings Button marked below to alter the Dimension and Measure.



Details View By

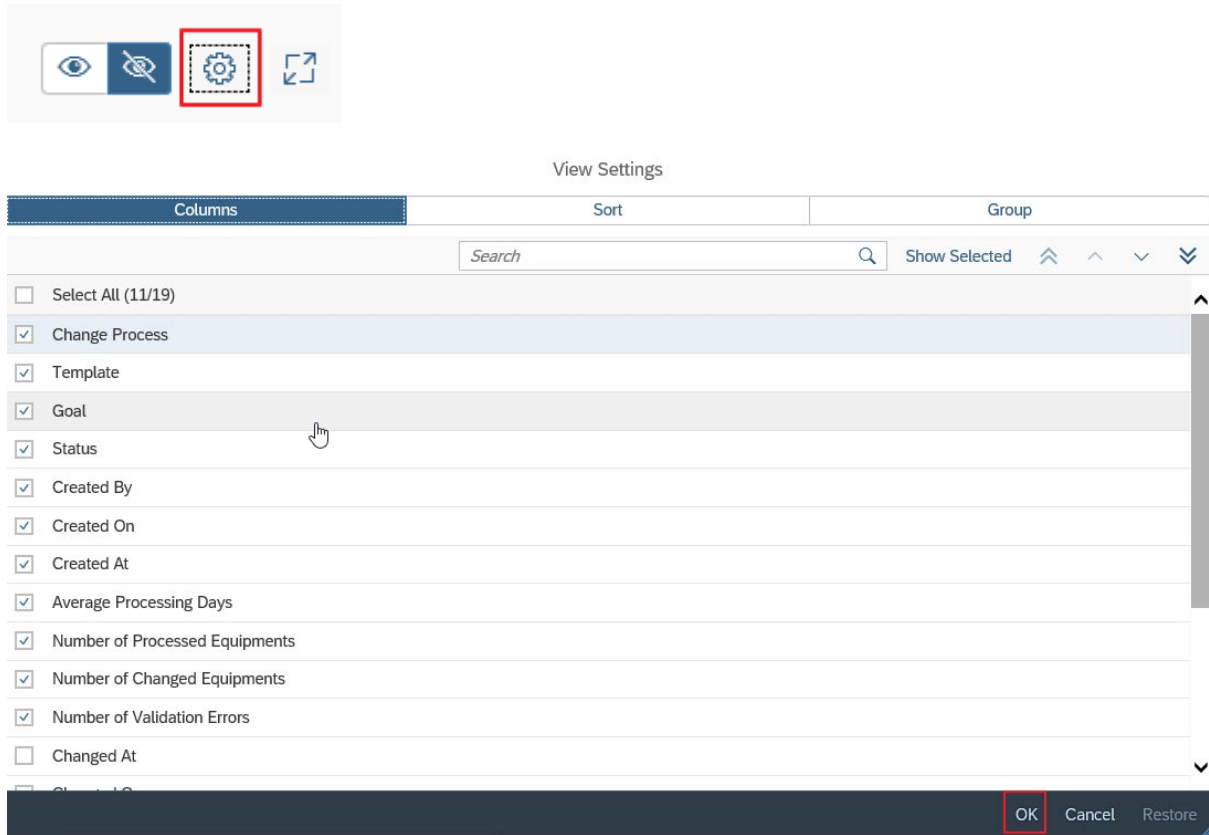
View Settings

Chart	Sort	Filter
Column Chart		
<input type="checkbox"/> Select All (2/18)	Type	Role
<input checked="" type="checkbox"/> Status	Dimension	Series
<input checked="" type="checkbox"/> Number of Change Processes	Measure	Axis 1
<input type="checkbox"/> Average Processing Days	Measure	Axis 1
<input type="checkbox"/> Change Process	Dimension	Category
<input type="checkbox"/> Changed At	Dimension	Category
<input type="checkbox"/> Changed On	Dimension	Category
<input type="checkbox"/> Created At	Dimension	Category
<input type="checkbox"/> Created By	Dimension	Category
<input type="checkbox"/> Created On	Dimension	Category
<input type="checkbox"/> Finalized At	Dimension	Category

OK Cancel Restore

## Table View

Select the Settings Button marked below to alter the selection.



The screenshot shows a 'View Settings' dialog box. At the top, there are three tabs: 'Columns', 'Sort', and 'Group'. The 'Columns' tab is selected. Below the tabs is a search bar labeled 'Search' and a 'Show Selected' button. A list of columns is displayed, each with a checkbox. The 'Change Process' checkbox is checked and highlighted with a blue background. A red box highlights the 'Settings' icon (a gear) in the top right corner of the dialog. At the bottom right, there are three buttons: 'OK', 'Cancel', and 'Restore'. The 'OK' button is highlighted with a red box.

## Master Data Process Overview

Master Data Process Overview gives the overview of Change Requests & Change Processes (wherever applicable) by different options available. For the Objects where Change Process Analysis is applicable (See Objects In Scope section), cards related to different processes in Master Data Consolidation and Mass Processing also will be shown.

## Master Data Process Overview without Change Process Analysis

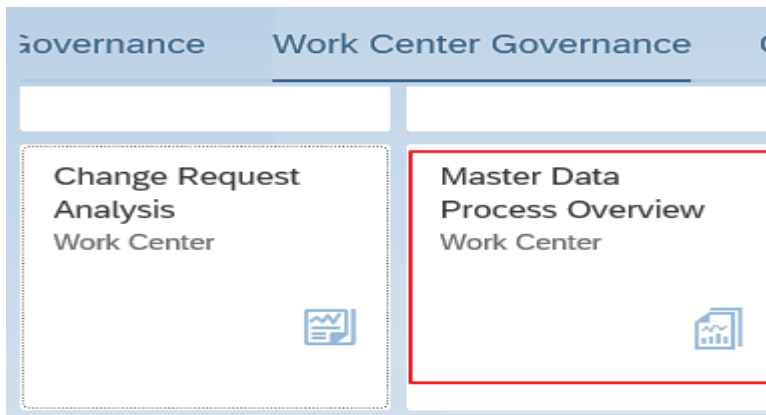
Here only the different cards that are available for Change Requests will be displayed.

### Note

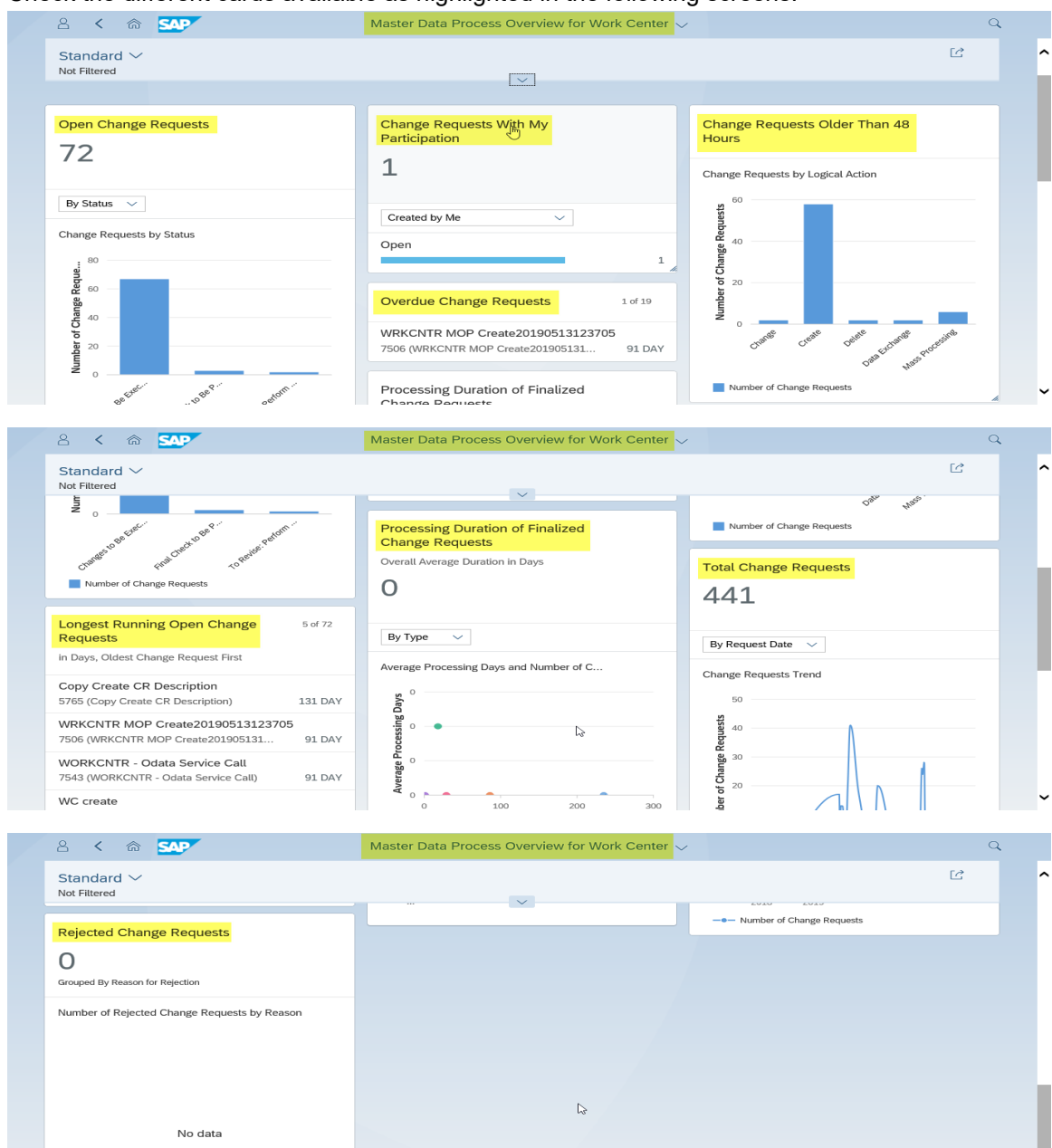
Screen shots are given for Work Center Object. And the procedure is same for all other objects.

Use following steps to check the overview of different processes.

1. Run t-code /n/UI2/FLP.
2. Select the tab "Work Center Governance".
3. Launch the FIORI Application "Master Data Process Overview".

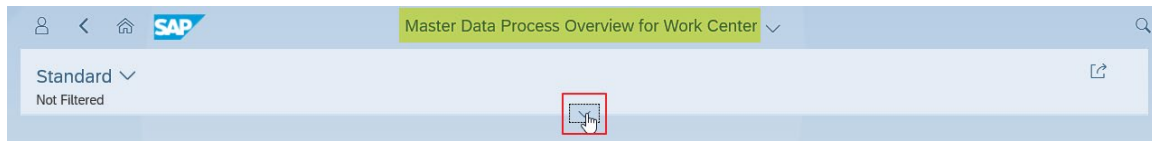


4. Master Data Process Overview screen will be displayed as shown in the following screen. Check the different cards available as highlighted in the following screens.

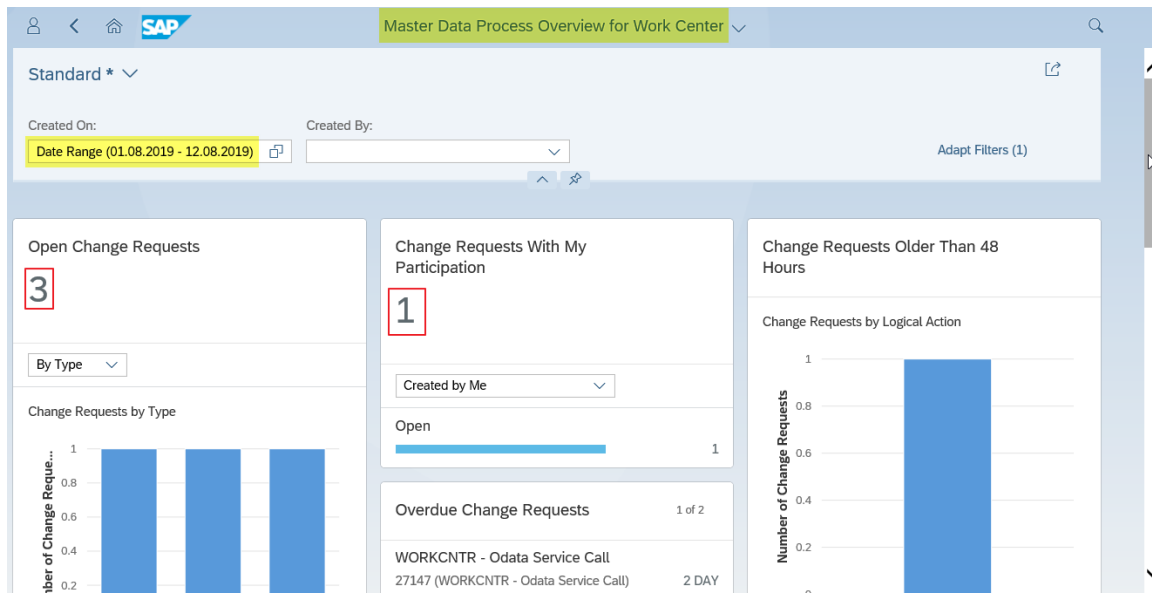


## Header View

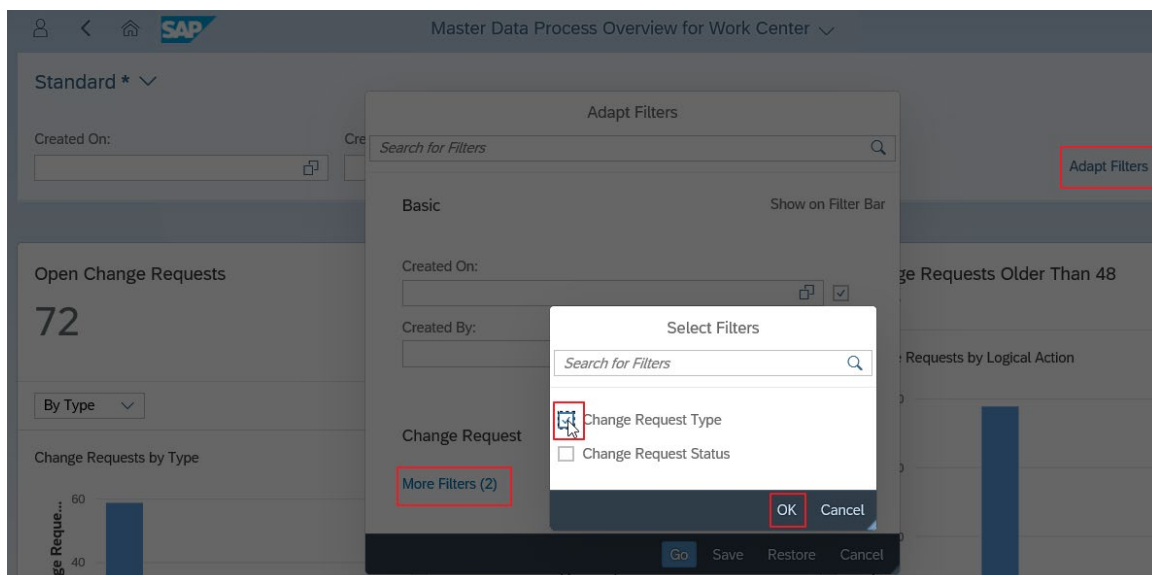
Expand the Header as marked below to see the Filter criteria.

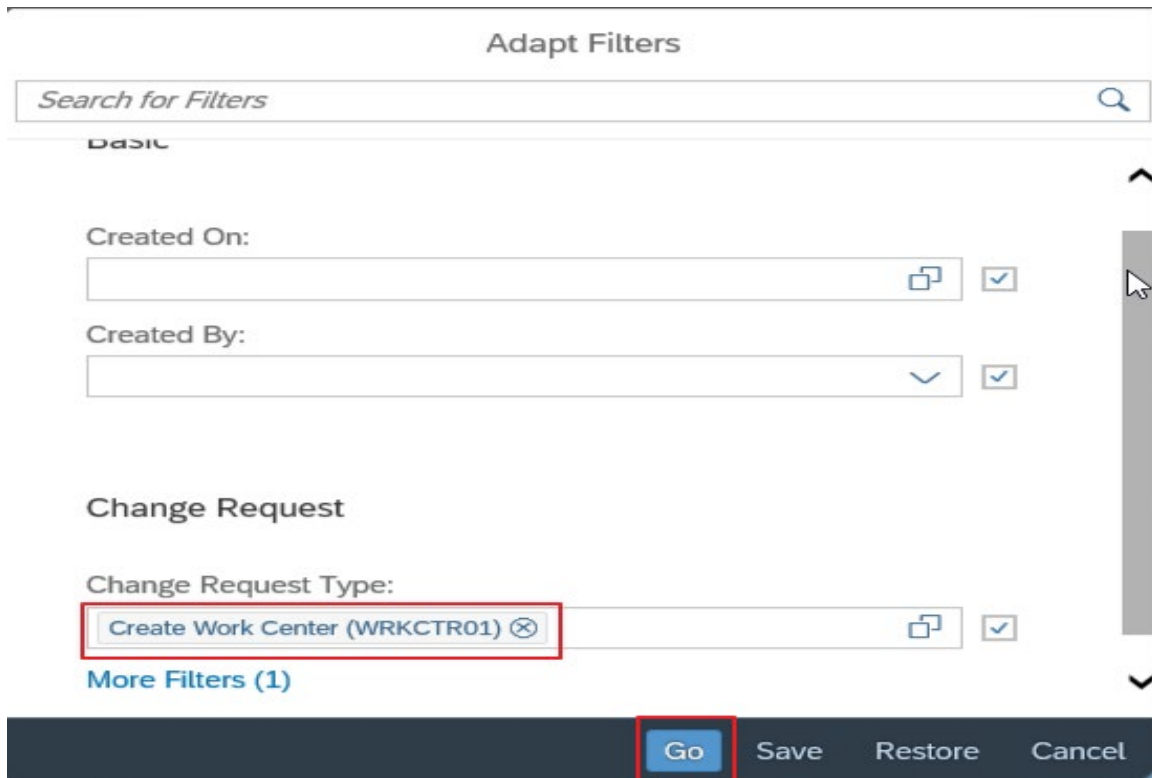


Use the Filter and see the results changing as per the chosen filter.




Click on "Adapt Filters" to see the more Filter Options.







**Adapt Filters**


Search for Filters 

**BASIC**

Created On:   ☒

Created By:   ☒

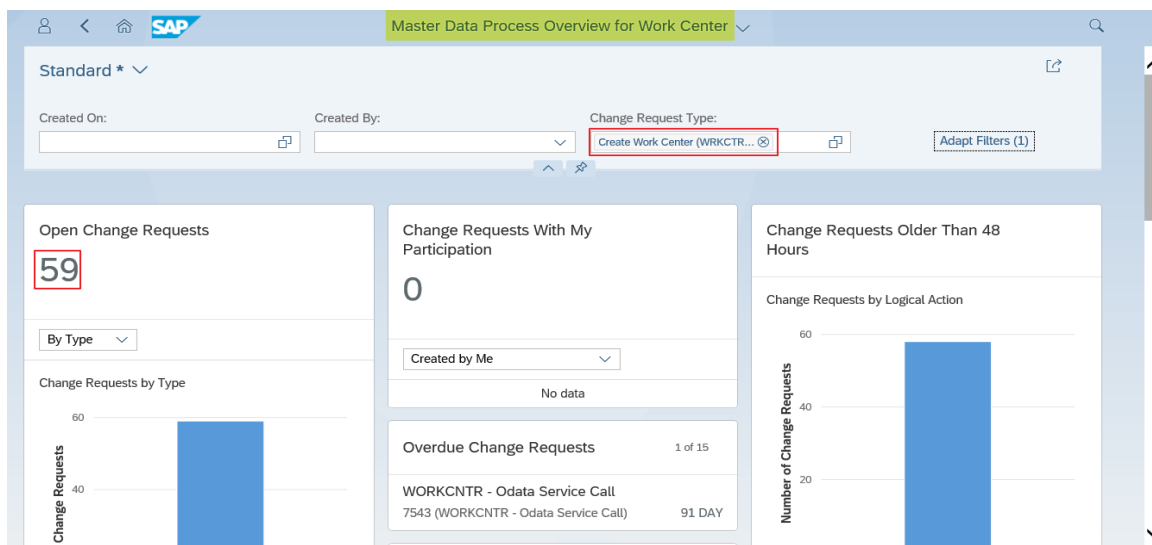
**Change Request**

Change Request Type: Create Work Center (WRKCTR01)  ☒

**More Filters (1)**

**Go** Save Restore Cancel

Check the Result after applying the filter.



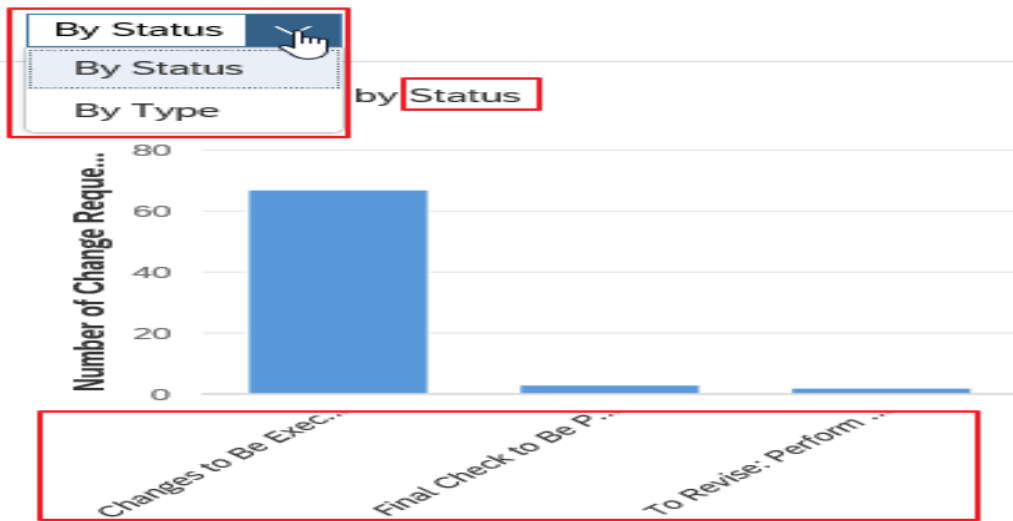
## Detail View

Some of the cards in the detail view can be filtered by different process.

For e.g. Open Change Requests can be seen either "By Status" or "By Type".

## Open Change Requests

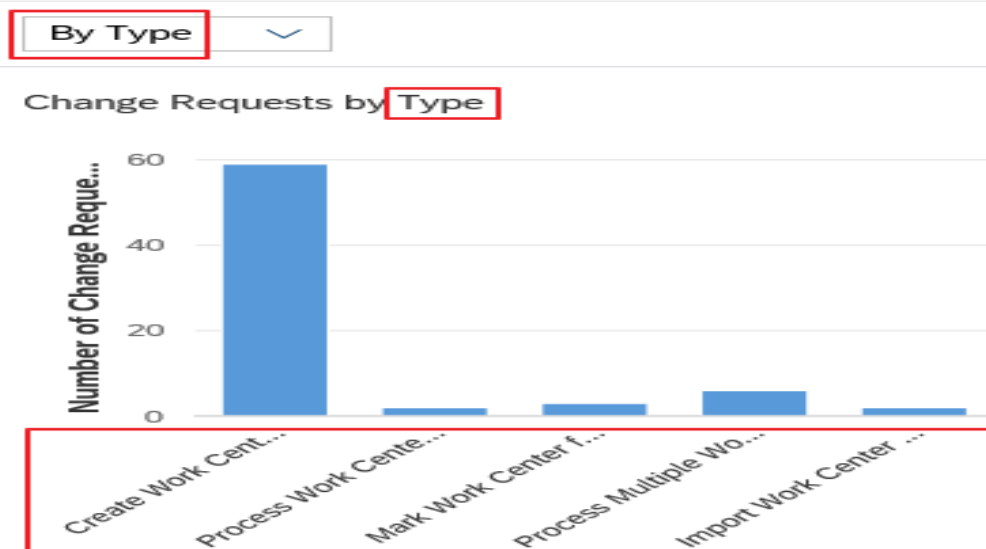
72



Open Change Requests by Status

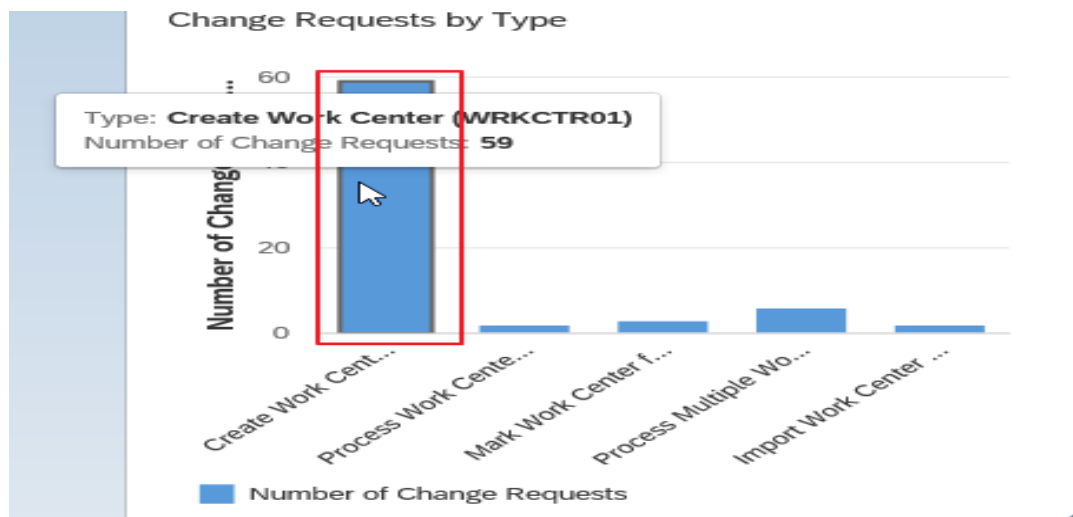
## Open Change Requests

72

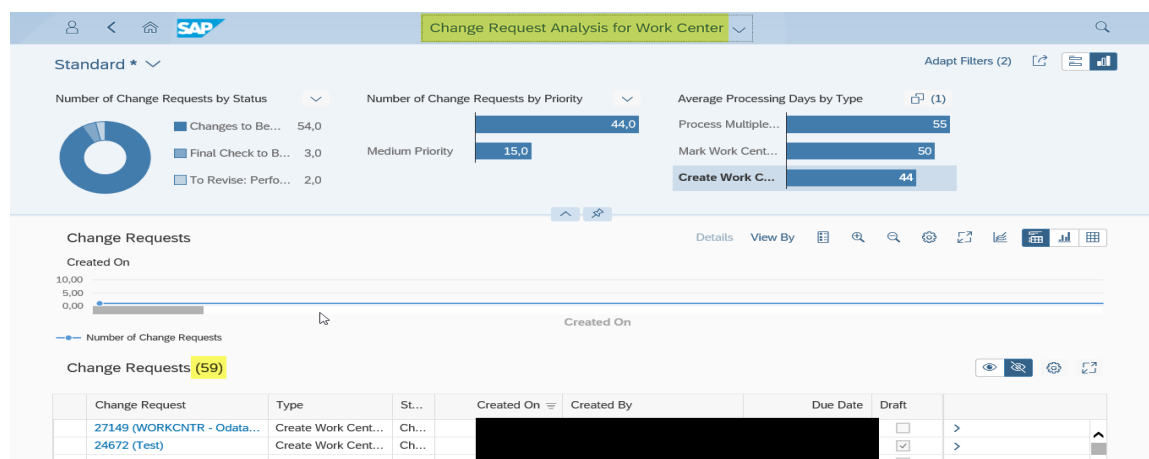


Open Change Request by Type

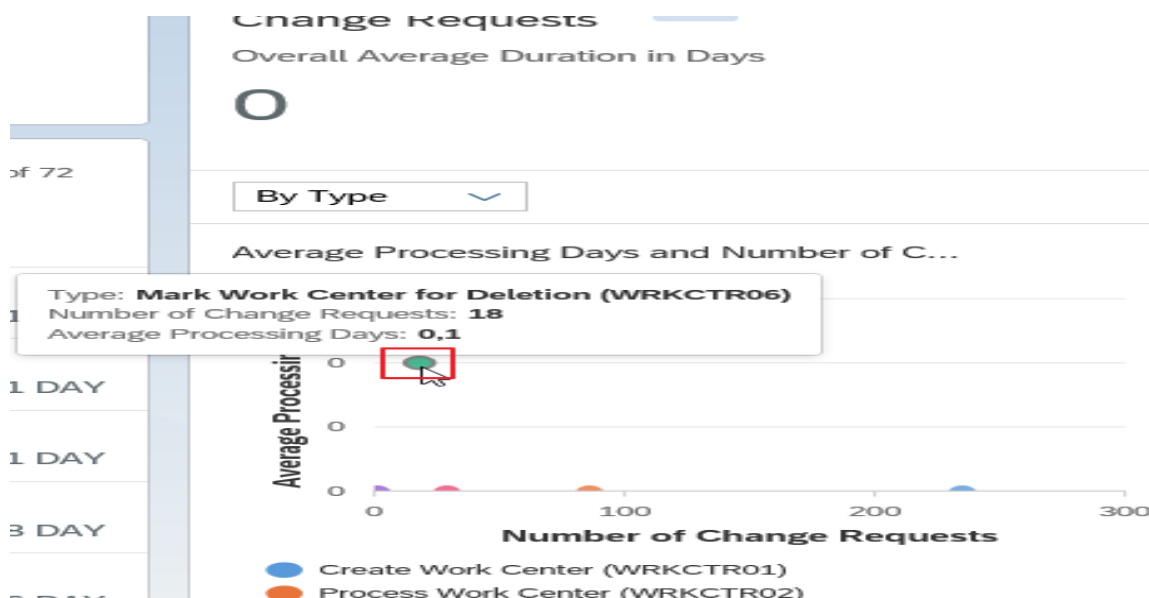
Click on any Rectangular Bar as marked in the following screen to display the Change Requests related to that particular Change Request Type.

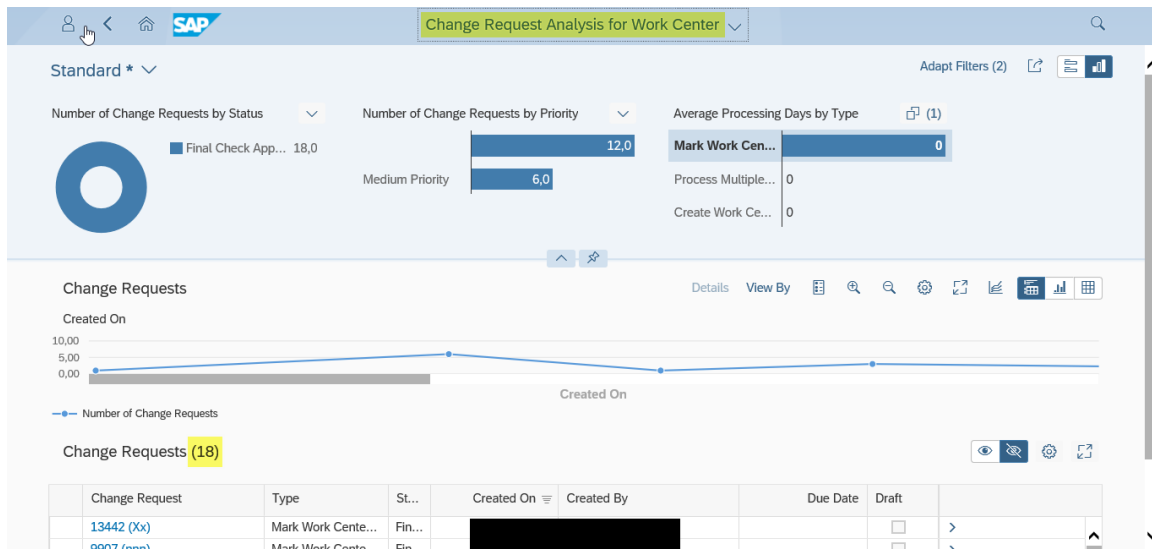


Check the Change Requests displayed.



Similarly, when a point on "Processing Duration of Finalized Change Requests" is clicked, the Change Request List will be shown.





## Master Data Process Overview with Change Process Analysis

Here the different cards that are related to Change Requests & Change Processes also will be displayed.

### Note

Screen shots are given for Equipment Object. And the procedure is same for all other objects.

Use following steps to check the overview of different processes.

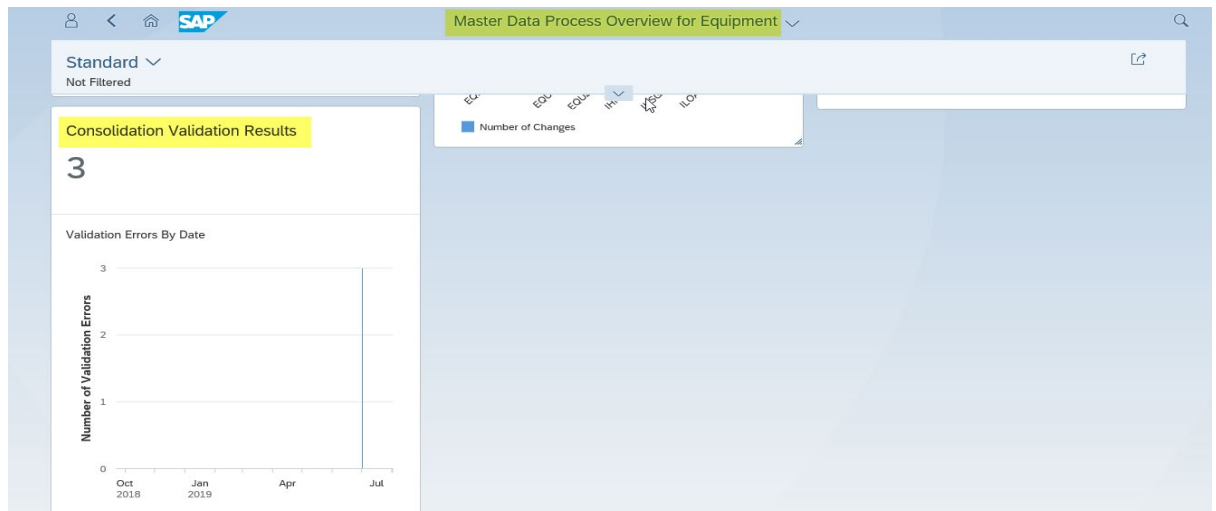
1. Run t-code /n/UI2/FLP.
2. Select the tab "Equipment Governance".
3. Launch the FIORI Application "Master Data Process Overview".



4. Master Data Process Overview screen will be displayed as shown in the following screen. Check the different cards available as highlighted in the following screens.





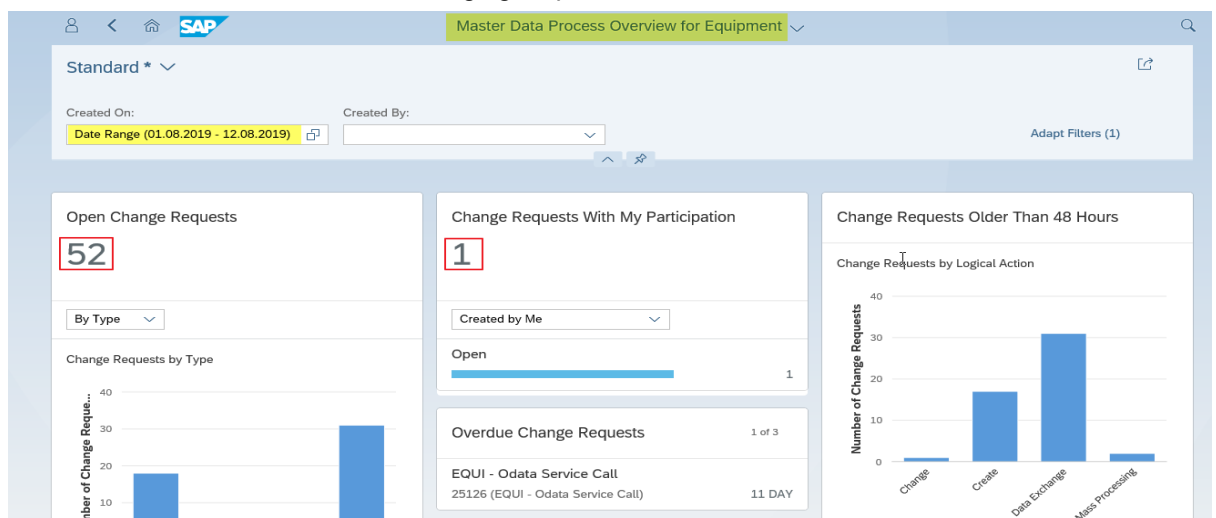


## Header View

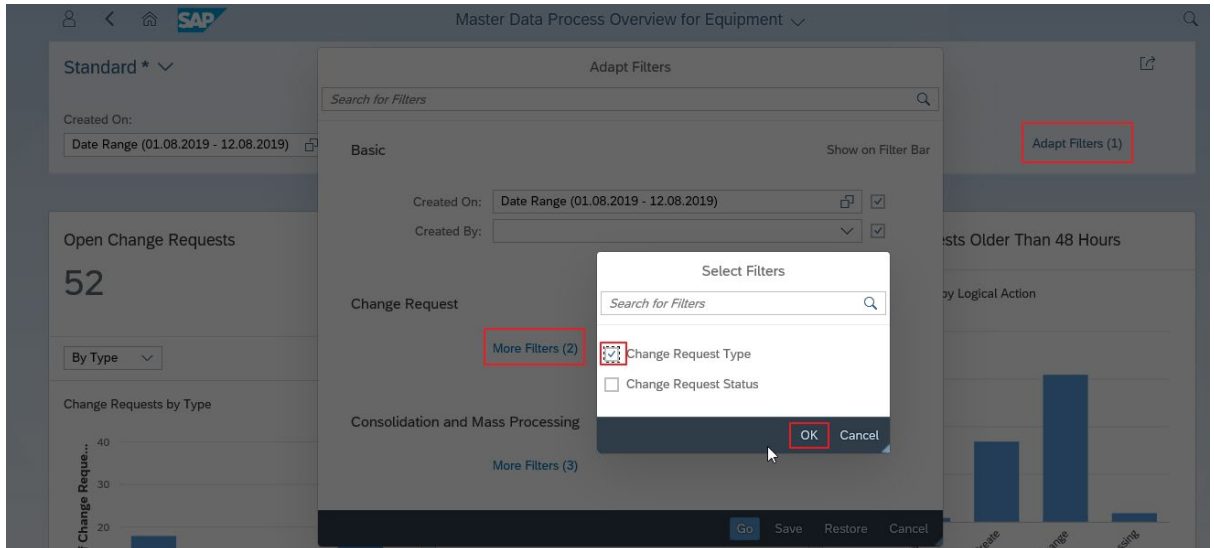
1. Expand the Header as marked below to see the Filter criteria.



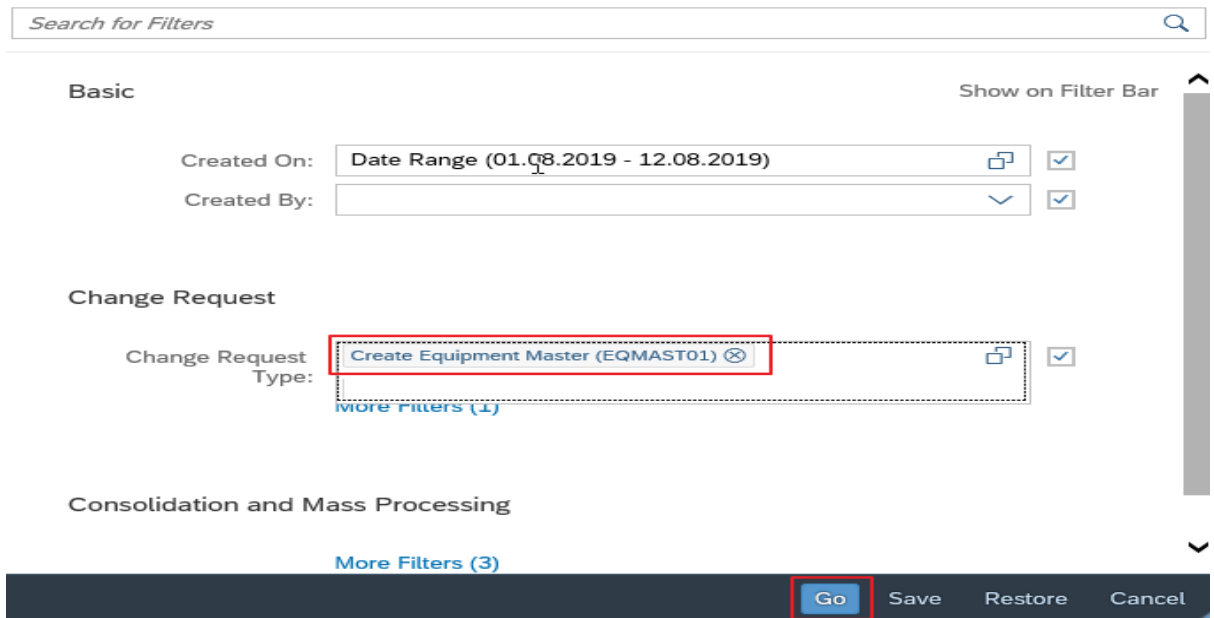
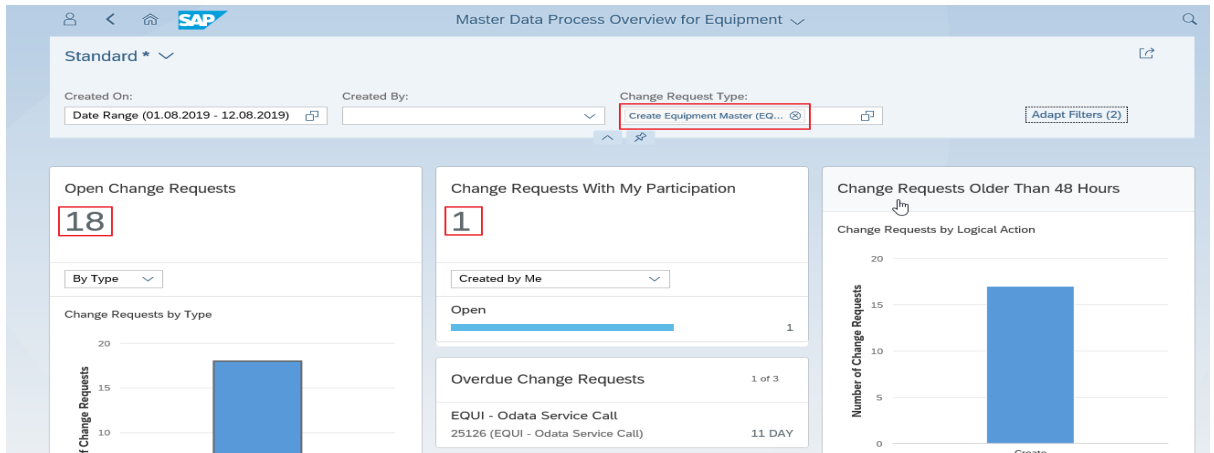
2. Use the Filter and see the results changing as per the chosen filter.

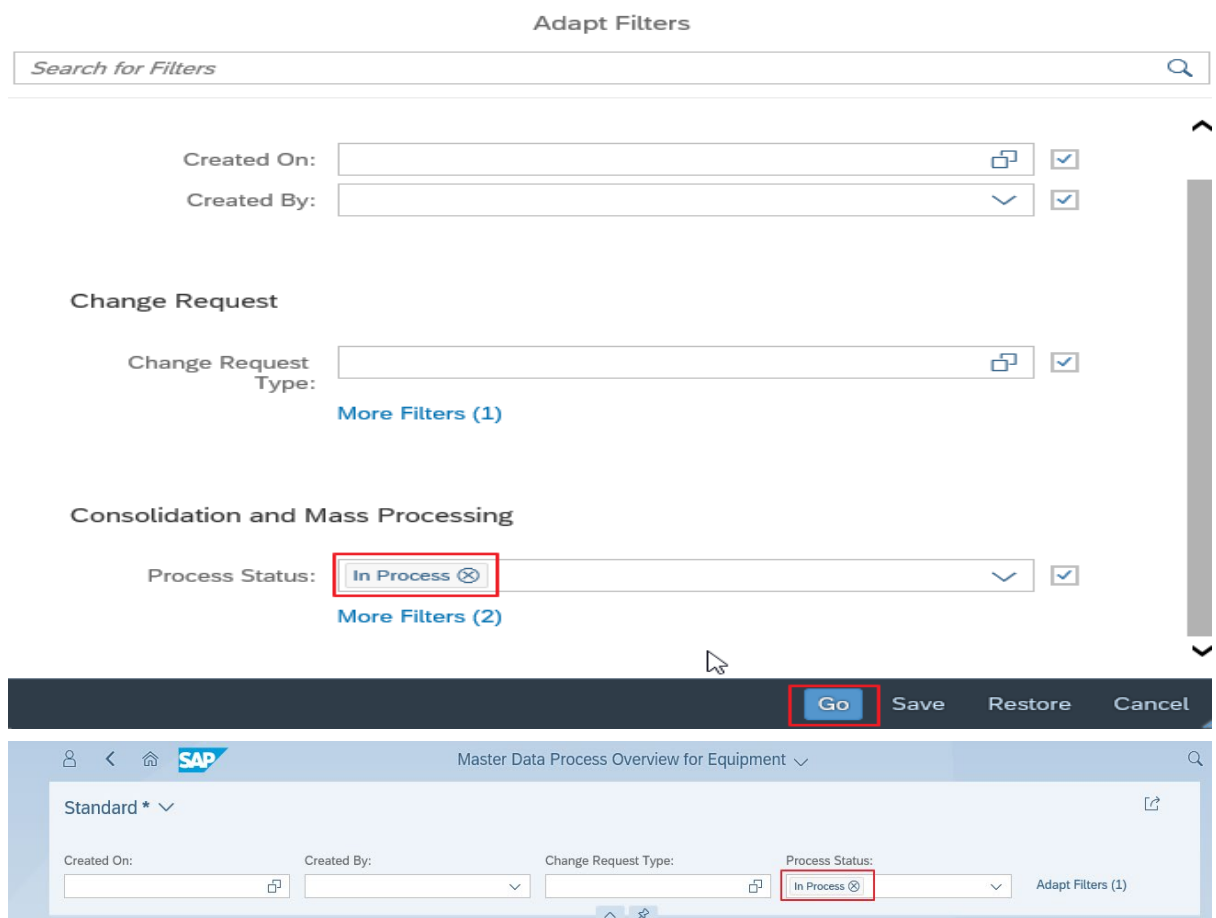
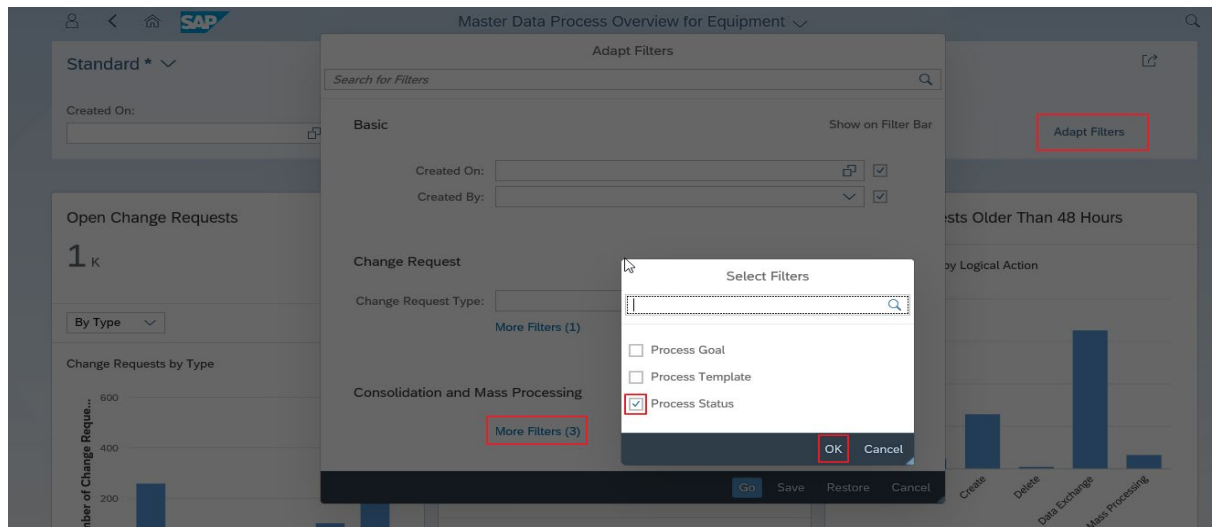


3. Click on "Adapt Filters" to see the more Filter Options.

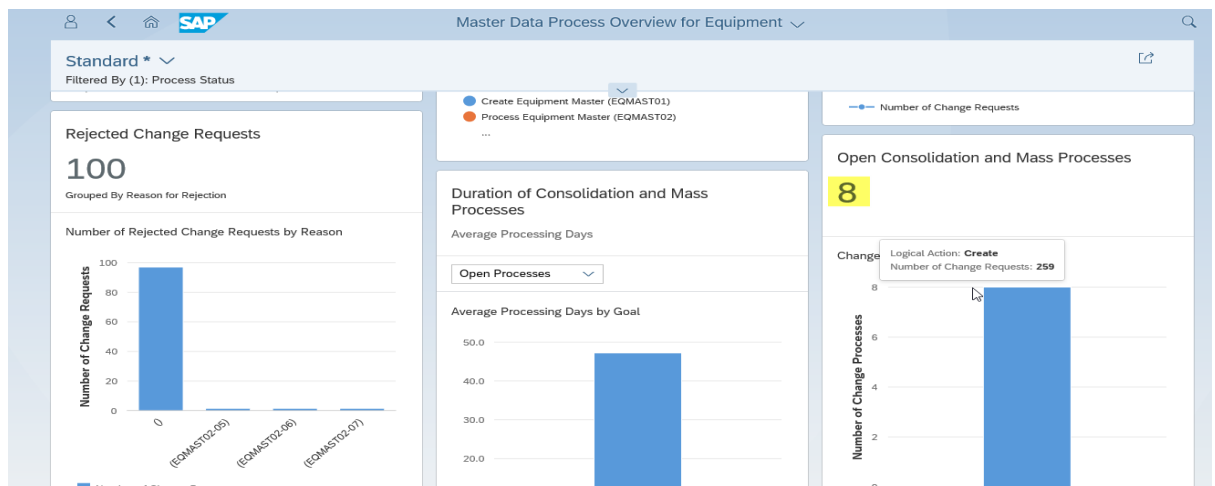


### Adapt Filters



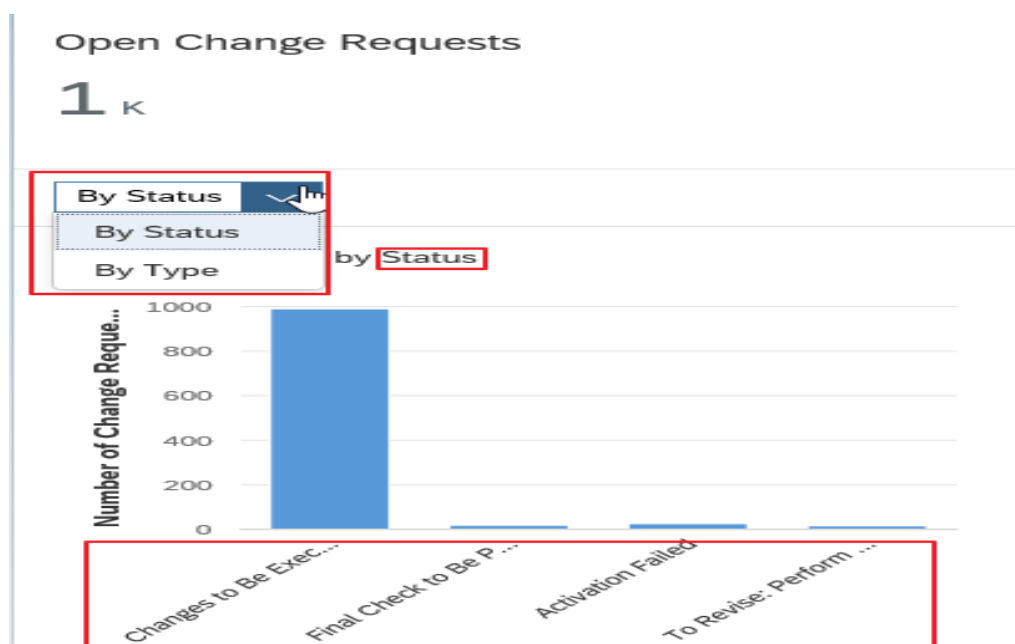
4. Check the Result after applying the filter.



## Detail View

Some of the cards in the detail view can be filtered by different process.

For e.g. Open Change Requests can be seen either "By Status" or "By Type".



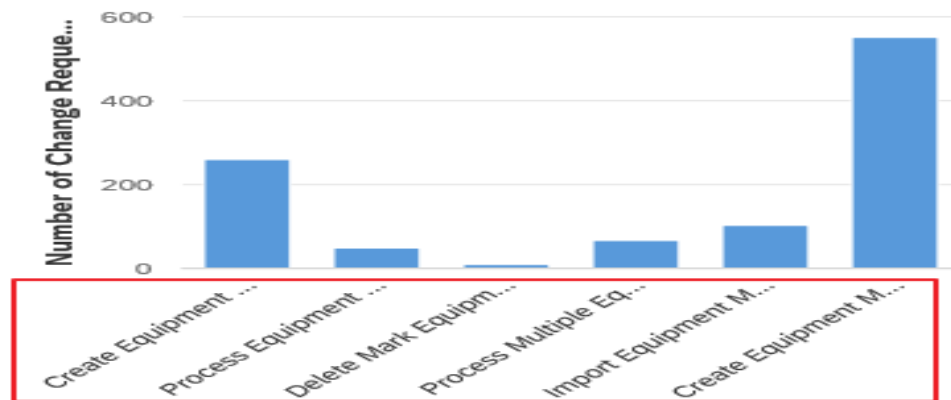
Open Change Requests by Status

## Open Change Requests

1 K

By Type

Change Requests by Type



Open Change Request by Type