RAMCO AVIATION SOLUTION
ENHANCEMENT NOTIFICATION
Version 5.9.0

Materials

ramco

contents

WHAT'S NEW IN MATERIALS?

Float Management

1. Introduction

Float Management addresses all the processes involved in maintaining float requirement such as:

- Specifying the participating parameters to compute float.
- Forecast the scheduled and Unscheduled Demand values.
- Optimize the forecasted demand values using statistical methods.
- Computation of float quantity.
- Review and Actioning Float computation and Optimization of output.

Float Requirement is the quantity of spares to be maintained to meet the desired service levels. The Float Forecast Plan can be invoked in predefined frequency for float computation. The various criteria for Float Forecast Plan generation will be referencing to Part Attributes, Pool, Customer attributes, Aircraft attributes, etc. Float Computation will be done based on various participating parameters such as Utilization History, Utilization Projection, Scheduled Removals, Unscheduled Removals, Scheduled Demand Projections, MTBUR, Purchase and Repair Turn Around Time, Scrap Rate, Purchase and Repair Cost and Service Levels.

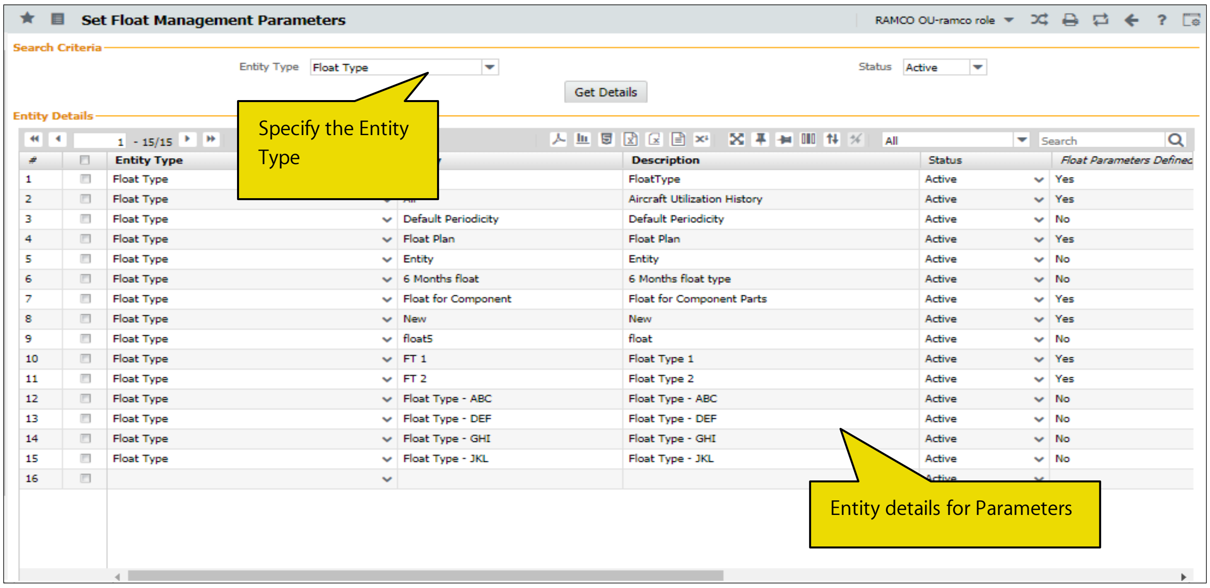
Float Plan carries the Periodicity and Effectivity that needs to manage revision cycles. Based on the Periodicity, runs will be auto generated in the system.

Float computation is performed through statistical concepts such as Poisson Distribution, Gaussian Distribution and Linear Programming. Optimization of computed demand/float quantity are also done using statistical concepts. Float Management also includes review of float computation and optimization of output. Based on the review of current float quantity, actions are initiated for the deficit stock scenarios. Simulation and updation through revision is managed for single part and bulk parts.

2. Defining float entities and float management parameters

You can define float entities and set the float management parameters using this screen. Based on the options defined in this activity, user can set the process parameters for the Entities utilized in Float Management.

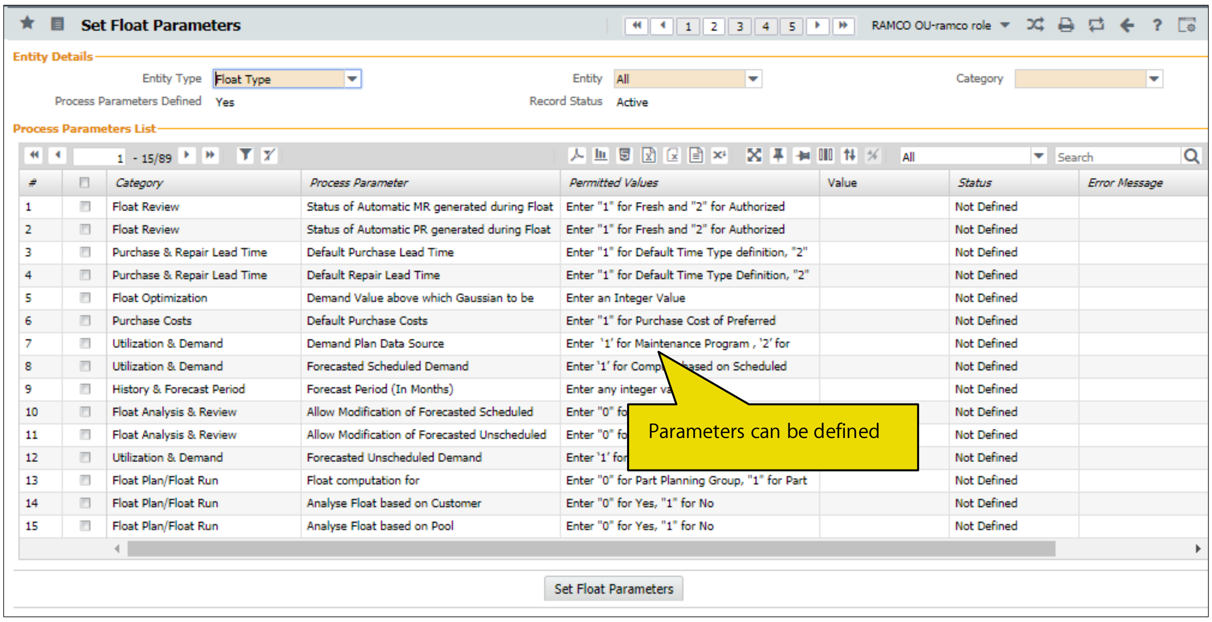
- Select the **Set Float Management Parameters** activity under the 'Float Management' business component. The "Set Float Management Parameters" screen appears.



- In the search criteria, select the **Entity Type** for which the Float Entities are to be defined.
- Use the **Entity Type** drop-down list box to specify whether the Float Entities are to be defined for "Float Type", "Category", "User Status" or "User Defined Details".
- Enter the **Entity** and **Description** for the **Entity Type** selected.
- Use the **Status** drop-down list box to select the status as "Active" or "Inactive" for the Entity Type.
- Click the **Define Process Entities** pushbutton to define the entities for float management.

Setting Float Management Parameters

- Select the **Set Float Parameters** link in the **Set Float Management Parameters** screen. The **Set Float Parameters** page appears.



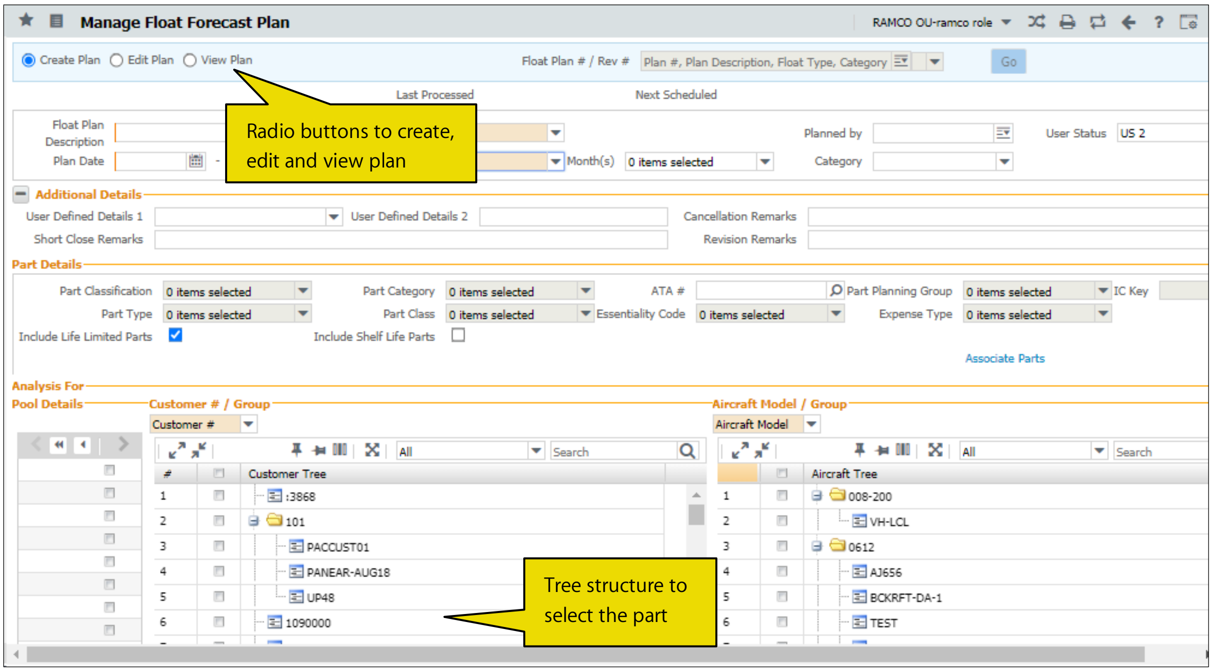
- In the 'Entity Details' group box, specify the **Entity Type, Entity and Category** for the parameter definition.

- In the 'Process Parameters List' multiline, the values for the process parameter can be defined.

3. Managing Float Forecast Plan

This activity allows the user to generate Float Plan that can be invoked in predefined frequency for float computation. The various criteria for Float Forecast Plan generation will be referencing to Part Attributes, Pool, Customer attributes, Aircraft attributes, etc.

- Select the **Manage Float Forecast Plan** activity under the **Float Management** business component. **The Manage Float Forecast Plan** page appears.



- Select the **Create Plan, Edit Plan** or **View Plan** radio button to Create, Modify or View the Float Plan.
- Enter the **Float Plan #** and specify the **Revision #**of the Float Forecast Plan.
- Click the **Go** pushbutton to retrieve the details of the Float Plan # for the Rev # of the Float Plan.

Note: In 'Edit Plan', Plan # entered should not be in 'Cancelled' or 'Shortclosed' or 'Closed' status.

- Use the **Float Type** drop-down list box to specify the type of the Float Forecast Plan.
- Use the **Periodicity** drop-down list box to specify the period at which the Float Plan is to be generated.
- In the 'Additional Details' group box, specify the **User Defined Details 1** and enter the remarks based on the Float Plan action.

The levels at which the Float Computation is managed are:

- Prime Part #
- Part Planning Group
- Part Interchangeability Key
- Part #

In the 'Part Details' group box,

- Specify the **Part Classification**, **Part Category**, **Part Planning Group** of the part for which the Float Plan is to be generated.
- Select the **Include Life Limited Parts** and **Include Shelf Life Parts** checkboxes based on which the parts can be included for float Plan.
- Click the **Associate Parts** link to manually provide the Parts for Float Plan.

In the 'Analysis For' section,

- In the 'Pool Details' section, the system displays the Pool Tree with the Valid Pool Id's in Approved Status from the 'Maintain Pool Information' screen.

In the 'Customer # / Group' section,

- Use the drop-down list box to specify the level at which the Customer tree is to be viewed.
- The system displays 3 level tree grid with customer Group #, Customer # and Contract #, if "Customer Group" is selected in the drop-down field.
- The system displays 2 level tree grid with Customer # and Contract, if "Customer #" is selected in the drop-down field.

In the 'Aircraft Model / Group' section,

- Use the drop-down list box to specify the level at which the Aircraft tree is to be viewed.
- The system displays 3 level tree grid with "Aircraft Group #", "Aircraft Model" and "Aircraft Reg #", if "Aircraft Group" is selected in the drop-down field.
- The system displays 2 level tree grid with "Aircraft Model" and "Aircraft Reg #", if "Aircraft Model" is selected in the drop-down field.
- Click the **Save** pushbutton to create the Float Forecast Plan.

  Note: The status of the document changes to 'Fresh' if saved for the first time. If the document is revised, then the status changes to 'Revised'.
- Click the **Confirm** pushbutton to confirm the Float Forecast Plan.

  Note: The status of the document changes to 'Confirmed' status.
- Click the **Cancel** pushbutton to cancel the Float Forecast Plan.

  Note: The status of the document changes to 'Cancelled' status.
- Click the **ShortClose** pushbutton to shortclose the Float Forecast Plan.

  Note: The status of the document changes to 'Shortclosed' status.

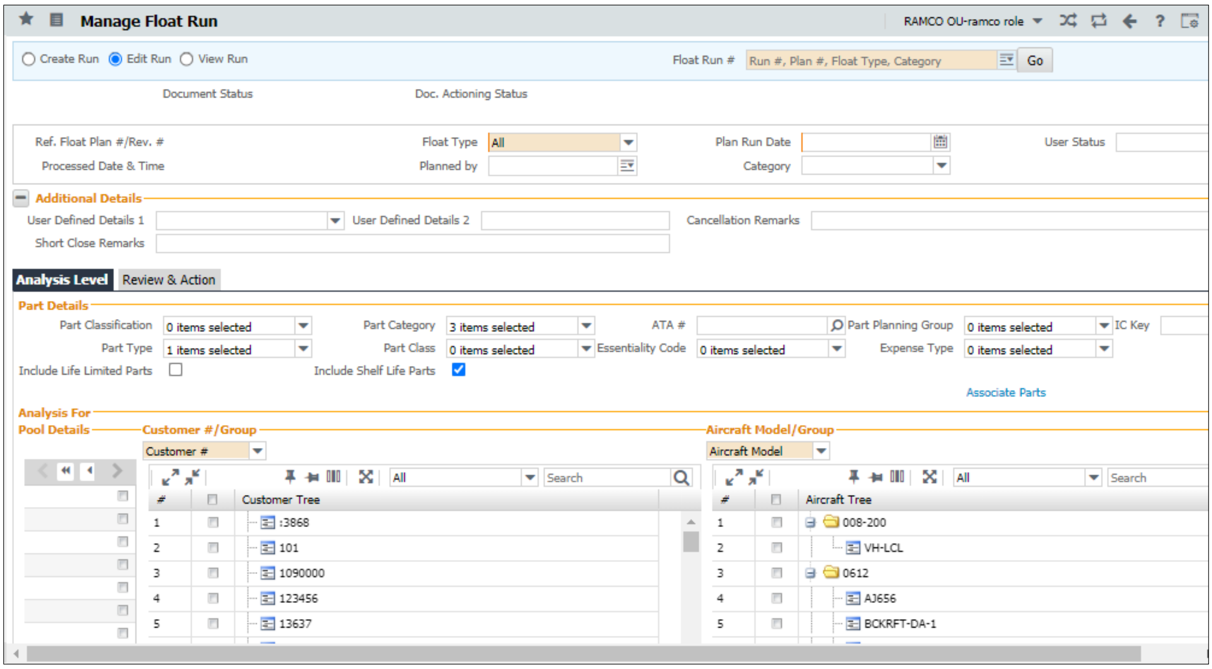
To proceed, carry out the following

- Select the **Upload Documents** link to upload the documents for Float Forecast Plan.
- Select the **View Associated Documents** link to view the associated documents for Float Forecast Plan.

4. Managing Float Run

This activity allows the user to facilitate forecast run generation. Various criteria for analysis will be provided that will be referencing to Part Attributes, Pool, Customer attributes, aircraft attributes, etc. Additional filters like Open Demand, manual addition of parts are also available.

- Select the **Manage Float Run** activity under the Float Management business component. **The Manage Float Run** page appears.



- Select the **Create Run**, **Edit Run** or **View Run** radio button to Create, Modify or View the Float Run.
- Enter the **Float Run #** and specify the **Revision #**of the Float Forecast Plan.
- Click the **Go** pushbutton to retrieve the details of the Float Run # for the Rev # of the Float Run.
- Use the **Float Type** drop-down list box to specify the type of the Float Forecast Run.
- Use the **Periodicity** drop-down list box to specify the period at which the Float Run is to be generated.
- In the 'Additional Details' group box, specify the **User Defined Details 1** and enter the remarks based on the Float Plan action.
- Click the Analysis Level tab to specify the Part from Pool Tree, Customer Tree and Aircraft Tree.
- Click the Review Action tab to review, update and confirm the results.

Analyzing Float Run

In the 'Part Details' group box,

- Specify the **Part Classification**, **Part Category**, **Part Planning Group** of the part for which the Float Run is to be generated.
- Select the **Include Life Limited Parts** and **Include Shelf Life Parts** checkboxes based on which the parts can be included for float Run.
- Click the **Associate Parts** link to manually provide the Parts for Float Run.

In the 'Analysis For' section,

- In the ‘Pool Details’ section, the system displays the Pool Tree with the Valid Pool Id's in Approved Statusfrom the ‘Maintain Pool Information’ screen.

In the ‘Customer # / Group’ section,

- Use the drop-down list box to specify the level at which the Customer tree is to be viewed.
- The system displays 3 level tree grid with customer Group #, Customer # and Contract #, if “Customer Group” is selected in the drop-down field.
- The system displays 2 level tree grid with Customer # and Contract, if “Customer #” is selected in the drop-down field.

In the ‘Aircraft Model / Group’ section,

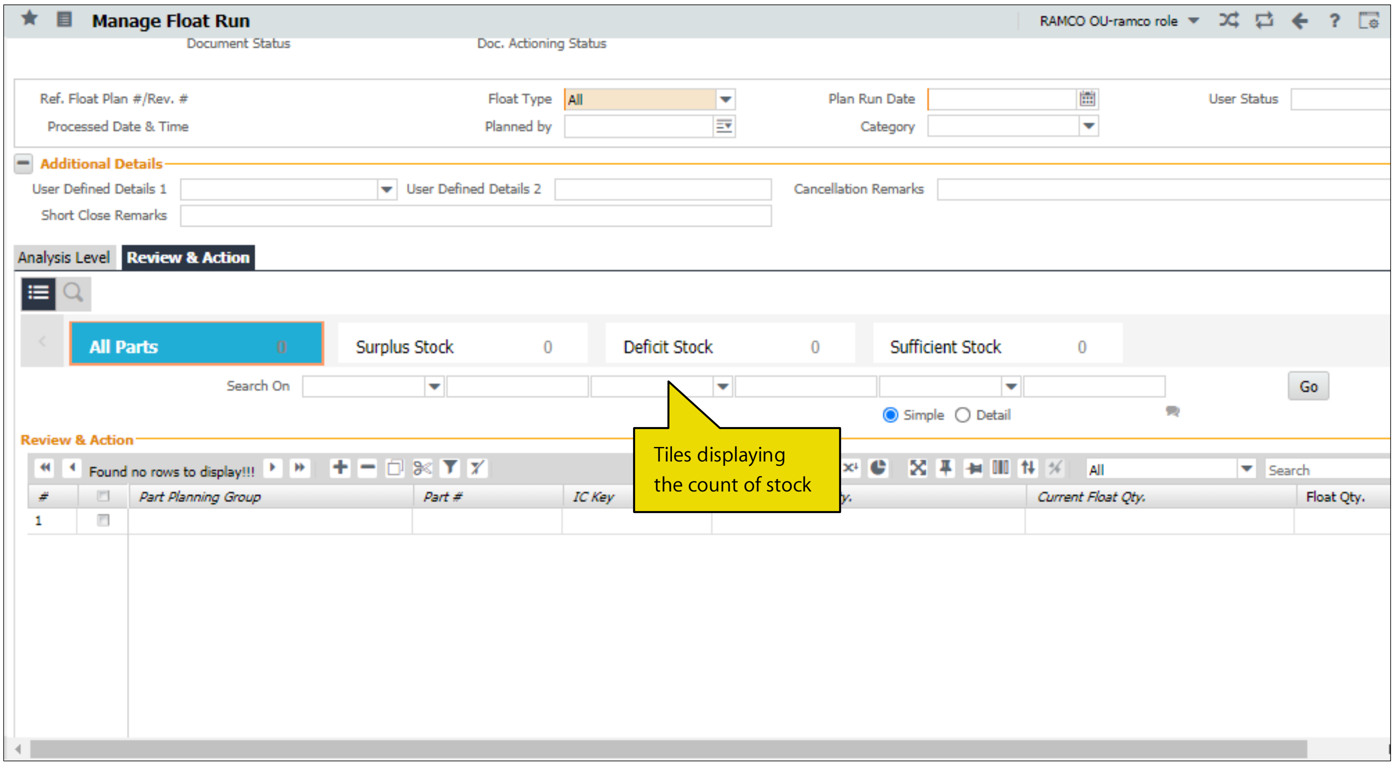
- Use the drop-down list box to specify the level at which the Aircraft tree is to be viewed.
- The system displays 3 level tree grid with “Aircraft Group #”, “Aircraft Model” and “Aircraft Reg #”, if “Aircraft Group” is selected in the drop-down field.
- The system displays 2 level tree grid with “Aircraft Model” and “Aircraft Reg #”, if “Aircraft Model” is selected in the drop-down field.
- Click the **Save** pushbutton to create the Float Run.
- Click the **Confirm** pushbutton to confirm the Float Run.
- Click the **Cancel** pushbutton to cancel the Float Run.
- Click the **ShortClose** pushbutton to shortclose the Float Run.

To proceed, carry out the following

- Select the **Upload Documents** link at the bottom of the page to upload the documents for Float Run.
- Select the **View Associated Documents** link at the bottom of the page to view the associated documents for Float Run.

Reviewing and Actioning Float Run

This tab enables Updating and Confirming the Float Results.



The system displays the following tiles along with the count.

- All Parts – Displays the total count of stock.
- Surplus Stock – Displays the count of stock of the Current Quantity > Forecasted Float Quantity Stock.
- Deficit Stock – Displays the count of stock of the Current Quantity < Forecasted Float Quantity Stock.
- Sufficient Stock – Displays the count of stock Current Quantity = Forecasted Float Quantity.

- Enter the **Float Qty.** of the part for which the Float Run is generated.
- Select the **Action** that is to be performed based on the float quantity.
- Enter the **Warehouse** and **Process Qty.** for the parts.
- Click the **Update Results** pushbutton to update the float quantity and the necessary action.
- Click the **Confirm Results** pushbutton to confirm the float quantity and the necessary action.

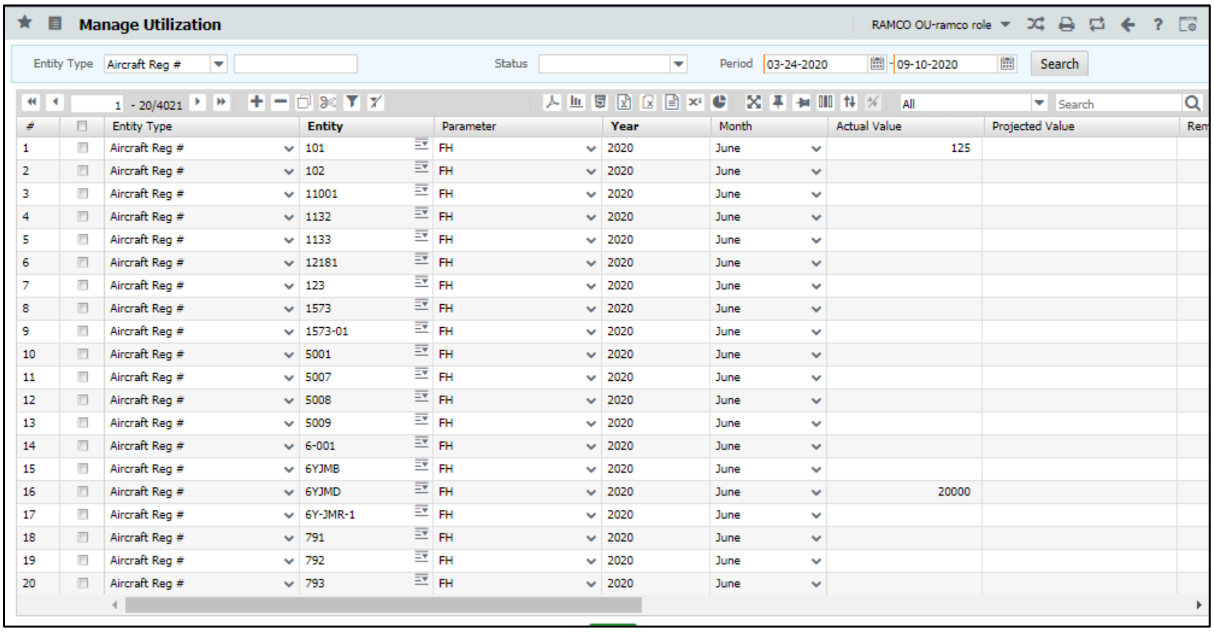
5. Float Computation

The Float Computation will be done based on various participating parameters that can be derived from multiple transactions or manual entry or from the master definition. The participating parameters are Utilization History, Utilization Projection, Scheduled Removals, Unscheduled Removals, Scheduled Demand Projections, MTBUR, Purchase and Repair Turn Around Time, Scrap Rate, Purchase and Repair Cost and Service Levels.

Managing Utilization

The **Manage Utilization** screen enables the user to view and enter the Aircraft Utilization parameter at Aircraft Model level or Aircraft Registration # level. This screen also facilitates direct data entry and editing of the data retrieved from the transactions based on option settings.

- Select the **Manage Utilization** under the **Float Management** business component. The **Manage Utilization** page appears.



- In the search criteria, specify the **Entity** and enter the **Period** for which the Utilization parameter details are to be retrieved.

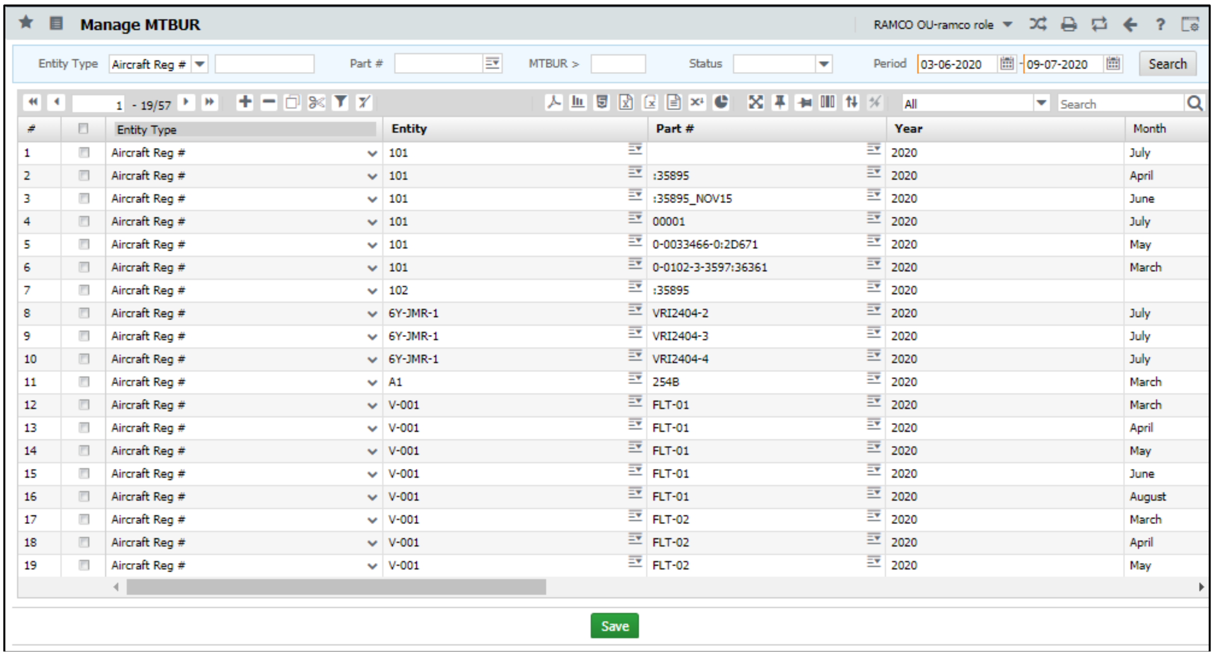
In the multiline,

- Use the **Entity Type** drop-down list box to specify the entity type for which the aircraft utilization parameter is recorded.
- Specify the **Entity** for the Entity Type selected and select the **parameter** which could be "FH" or "FC".
- Specify the **Year** and **Month** for which the aircraft utilization parameter is recorded.
- Enter the **Actual Value** and **Projected Value** of the aircraft utilization parameter.
- Use the drop-down list box to specify the **status** of the aircraft utilization parameter which could be "Active" or "Inactive".
- Click the **Save** pushbutton to record the aircraft utilization parameter details.

Managing MTBUR

The **Manage MTBUR** screen enables the user to view the Mean time Between Unscheduled Removals parameter at Aircraft Model level or Aircraft Registration # level. This screen also facilitates direct data entry and editing the data retrieved from the transactions based on option settings.

- Select the **Manage MTBUR** under the **Float Management** business component. The **Manage MTBUR** page appears.



- In the search criteria, specify the **Entity Type** and enter the **Period** for which the MTBUR parameter details are to be retrieved.

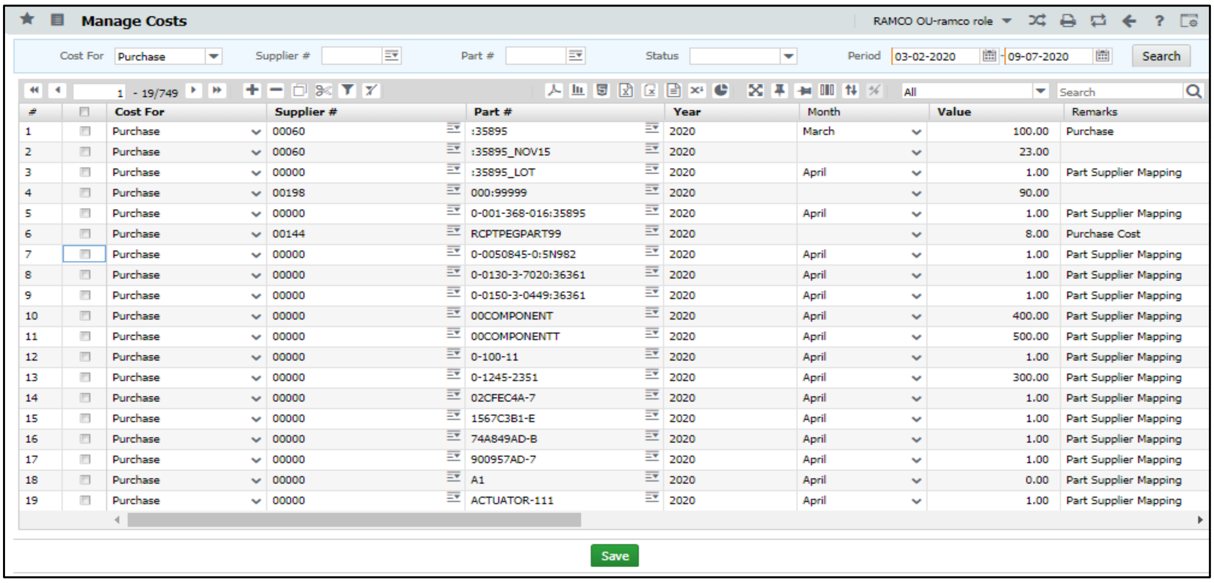
In the multiline,

- Use the **Entity Type** drop-down list box to specify the entity type for which the MTBUR parameter is recorded.
- Specify the **Entity** for the Entity Type selected and select the **Part #.**
- Specify the **Year** and **Month** for which the MTBUR parameter is recorded.
- Enter the **MTBUR** of the part which could be one of the following value:
  - MTBUR entered by the user.
  - MTBUR retrieved by the system based on the transaction for the Aircraft Reg # as defined in “Reinitialize/Update Parameter Values” activity of the “Aircraft” business component. MTBUR = Aircraft Utilization (in FH)/No of Unscheduled Removals.
- Use the drop-down list box to specify the **status** of the MTBUR parameter which could be “Active” or “Inactive”.
- Click the **Save** pushbutton to record the MTBUR parameter details.

Managing Costs

The **Manage Costs** screen enables the user to enter the Vendor/Part Level TAT Purchase Costs and Repair Costs. This screen also facilitates direct data entry and editing the data retrieved from the transactions based on option settings.

- Select the **Manage Costs** under the **Float Management** business component. The **Manage Costs** page appears.



#		Cost For	Supplier #	Part #	Year	Month	Value	Remarks
1		Purchase	00060	:35895	2020	March	100.00	Purchase
2		Purchase	00060	:35895_NOV15	2020		23.00	
3		Purchase	00000	:35895_LOT	2020	April	1.00	Part Supplier Mapping
4		Purchase	00198	000:99999	2020		90.00	
5		Purchase	00000	0-001-368-016:35895	2020	April	1.00	Part Supplier Mapping
6		Purchase	00144	RCPTPEGPART99	2020		8.00	Purchase Cost
7		Purchase	00000	0-0050845-0:5N982	2020	April	1.00	Part Supplier Mapping
8		Purchase	00000	0-0130-3-7020:36361	2020	April	1.00	Part Supplier Mapping
9		Purchase	00000	0-0150-3-0449:36361	2020	April	1.00	Part Supplier Mapping
10		Purchase	00000	00COMPONENT	2020	April	400.00	Part Supplier Mapping
11		Purchase	00000	00COMPONENTT	2020	April	500.00	Part Supplier Mapping
12		Purchase	00000	0-100-11	2020	April	1.00	Part Supplier Mapping
13		Purchase	00000	0-1245-2351	2020	April	300.00	Part Supplier Mapping
14		Purchase	00000	02CFEC4A-7	2020	April	1.00	Part Supplier Mapping
15		Purchase	00000	1567C3B1-E	2020	April	1.00	Part Supplier Mapping
16		Purchase	00000	74A849AD-B	2020	April	1.00	Part Supplier Mapping
17		Purchase	00000	900957AD-7	2020	April	1.00	Part Supplier Mapping
18		Purchase	00000	A1	2020	April	0.00	Part Supplier Mapping
19		Purchase	00000	ACTUATOR-111	2020	April	1.00	Part Supplier Mapping

- In the search criteria, specify the **Cost For** and enter the **Supplier #** for which the Costs details are to be retrieved.

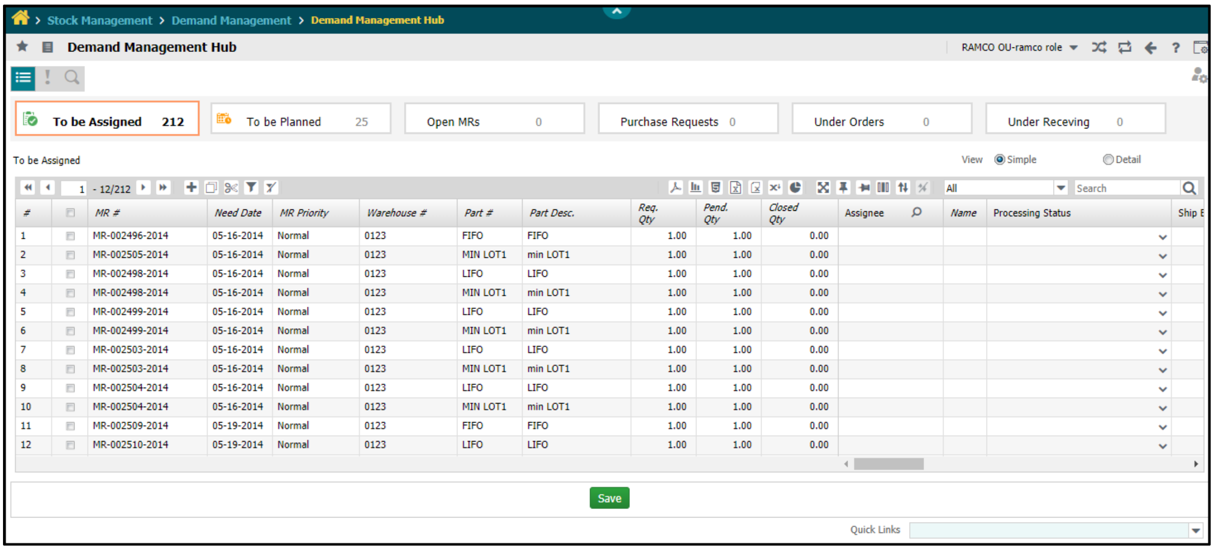
In the multiline,

- Use the **Cost For** drop-down list box to specify the option for which the Costs are recorded.
    - Purchase - Indicates that the costs for the part mentioned in the Purchase Order is recorded.
    - Repair - Indicates that the costs for the part mentioned in the Repair Quotation is recorded.
- Specify the **Supplier #**whose Purchase or Repair Costs is recorded and the **Part #**.
- Specify the **Year** and **Month** for which the Costs parameter is recorded.
- Enter the **Value** which is the Purchase Cost or Repair Cost of the part.
- Use the drop-down list box to specify the **status** of the costs which could be "Active" or "Inactive".
- Click the **Save** pushbutton to record the Costs details of the part

Managing Demand

The **Manage Demand** screen enables the user to enter the Actual/Projected demand against contract or Aircraft for Parts. This screen also facilitates direct data entry and editing the data retrieved from the transactions based on option setting.

- Select the **Manage Demand** under the **Float Management** business component. The **Manage Demand** page appears.



- In the search criteria, specify the **Demand Nature, Demand For**and enter the **Part #** for which the demand against parts are to be retrieved.

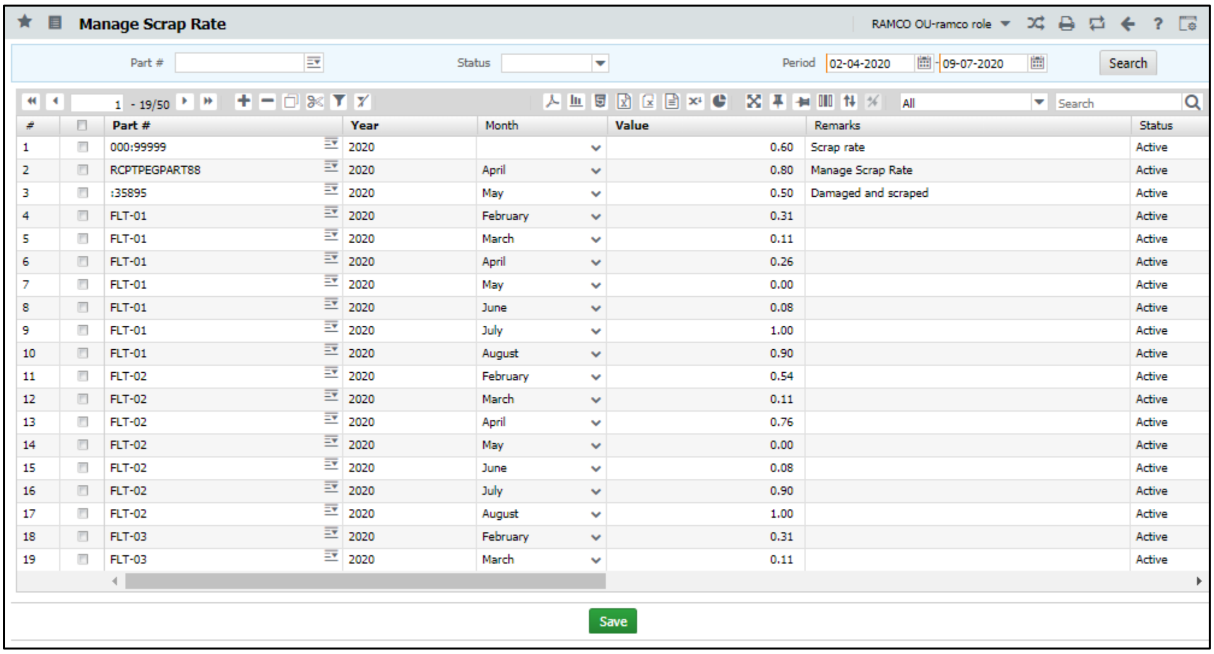
In the multiline,

- Use the **Demand Nature** drop-down list box to specify the nature of the Demand against parts.
  - Scheduled - Indicates that the nature of the demand of parts is forecasted.
  - Unscheduled - Indicates that the nature of the demand of parts is unforeseen.
- Use the **Demand For** drop-down list box to specify the entity type for demand which could be “Aircraft” or “Contract”.
- Enter the **Demand For Entity** for which the part is on demand which could be Aircraft Reg # or Contract #.
- Specify the **Year** and **Month** for which the Demand parameter is recorded.
- Enter the **Projected Qty.** and **Actual Qty.** of parts that is on demand for a month or year.
- Use the drop-down list box to specify the **status** of the Demand which could be “Active” or “Inactive”.
- Click the **Save** pushbutton to record the demand details of the part.

Managing Scrap Rate

The **Manage Scrap Rate** screen enables the user to maintain the scrap rate for parts at vendor level based on history of Repairs. This screen also facilitates direct data entry and editing the data retrieved from the transactions based on option setting.

- Select the **Manage Scrap Rate** under the **Float Management** business component. The **Manage Scrap Rate** page appears.



#	Part #	Year	Month	Value	Remarks	Status
1	000:99999	2020		0.60	Scrap rate	Active
2	RCPTPEGPART88	2020	April	0.80	Manage Scrap Rate	Active
3	:35895	2020	May	0.50	Damaged and scraped	Active
4	FLT-01	2020	February	0.31		Active
5	FLT-01	2020	March	0.11		Active
6	FLT-01	2020	April	0.26		Active
7	FLT-01	2020	May	0.00		Active
8	FLT-01	2020	June	0.08		Active
9	FLT-01	2020	July	1.00		Active
10	FLT-01	2020	August	0.90		Active
11	FLT-02	2020	February	0.54		Active
12	FLT-02	2020	March	0.11		Active
13	FLT-02	2020	April	0.76		Active
14	FLT-02	2020	May	0.00		Active
15	FLT-02	2020	June	0.08		Active
16	FLT-02	2020	July	0.90		Active
17	FLT-02	2020	August	1.00		Active
18	FLT-03	2020	February	0.31		Active
19	FLT-03	2020	March	0.11		Active

- In the search criteria, enter the **Part #**and **Period** for which the Scarp Rate of parts is to be retrieved.

In the multiline,

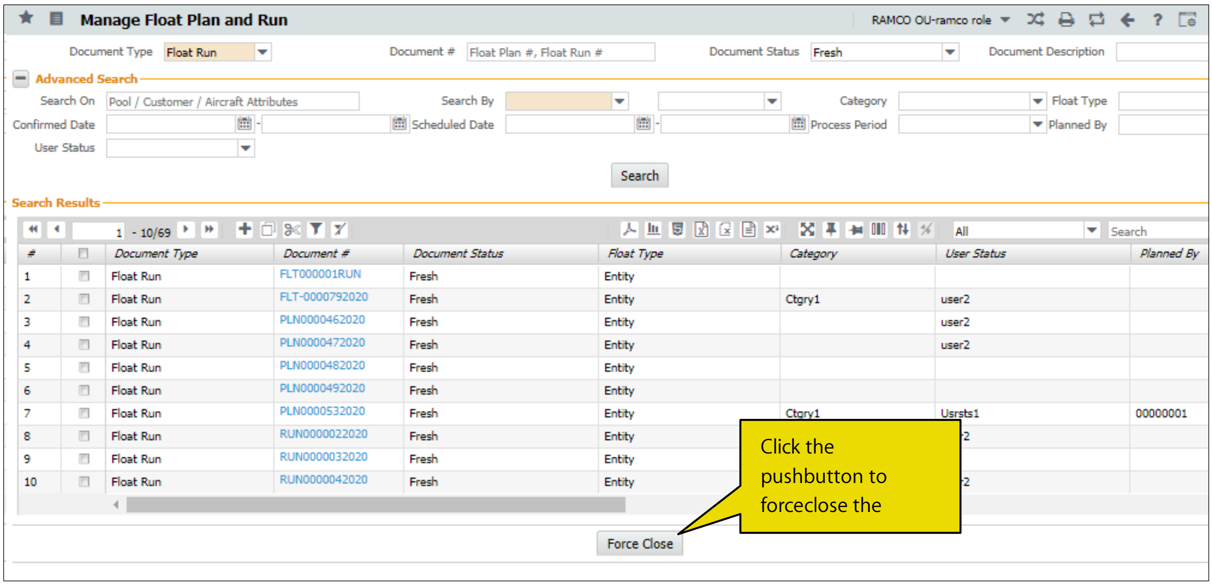
- Enter the **Part #**for which the scrap Rate is recorded.
- Specify the **Year** and **Month** for which the Scrap Rate is recorded.
- Enter the **Scrap Rate** of parts which could be one of the following values:
  - If the transaction count is less than the minimum count, then the system displays the scrap rate marked as default for the Part #.
  - If the transaction count is >= the minimum count, then the system computes the scrap rate as (Scrap Quantity/ Removal Qty)*100
- Use the drop-down list box to specify the **status** of the Scrap Rate of Parts which could be "Active" or "Inactive".
- Click the **Save** pushbutton to record the Scrap Rate parameter details of the part.

6. Managing Float Plan and Run

This activity enables the user to inquire status of the Float Plans/Runs generated as a quick summary with efficient search criteria. This screen also enables the user to review across multiple Plans/Runs. Provision to Force Close the runs where entire review/action is not mandatory is also provided in this screen.

Managing Float Plan and Run

- Select the **Manage Float Plan and Run** activity under the **Float Management** business component. **The Manage Float Plan and Run** page appears.



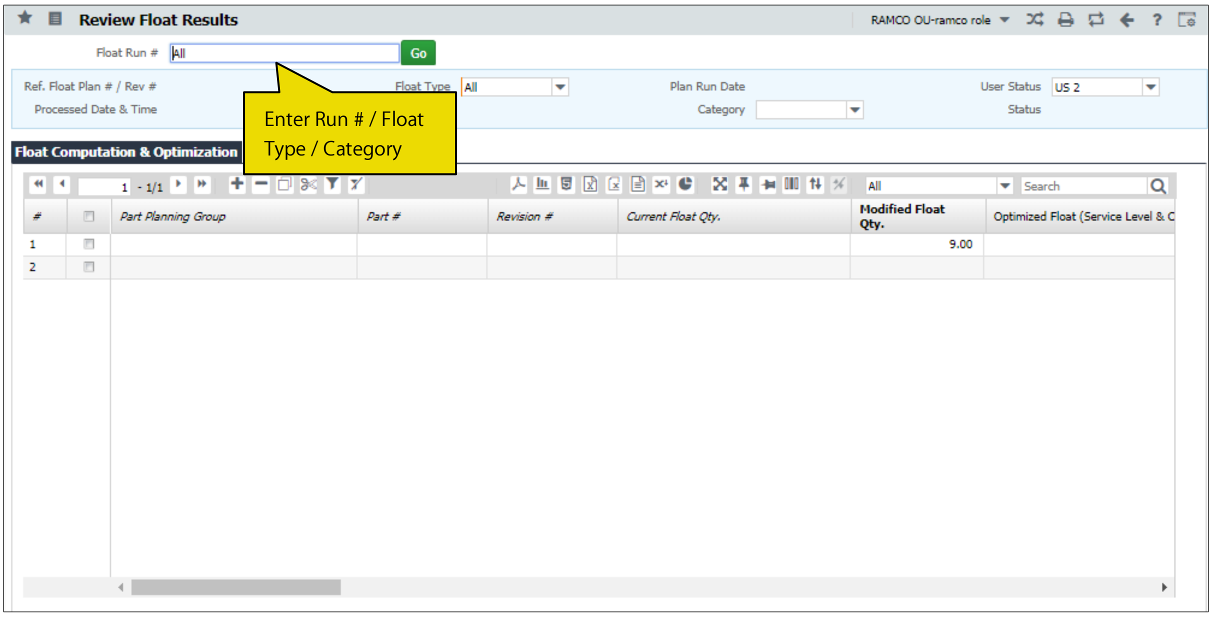
- Specify the **Document Type** which could be “Float Plan” or “Float Run”.
- Enter the **Document #** and specify the **Document Status**.
- In the **Advanced Search** section, specify the search criteria that are to be retrieved in the multiline.
- Document details are displayed in the multiline based on the specified criteria.
- Click the **ForceClose** pushbutton to forceclose the selected Document in the multiline.

7. Float Results

This activity allows the user to review the float results where the Optimized Results can be modified, recomputed and updated.

Reviewing Float Results

- Select the **Review Float Results** activity under the Float Management business component. **The Review Float Results** page appears.



- Enter the **Float Run #**and click the **Go** pushbutton.
- The **Ref. Float Plan #**, **Float Type**, **Plan Run Date**, **User Status**, **Processed Date & Time**, **Planned by**, **Category**, **Status** are retrieved that is saved against the Run #.
- Select the Float Computation & Optimization tab to view and modify the values computed by the Float Engine for the Part #/ Part Planning Group.
- Select the Float Input Parameters tab to record the Float Input Parameters.

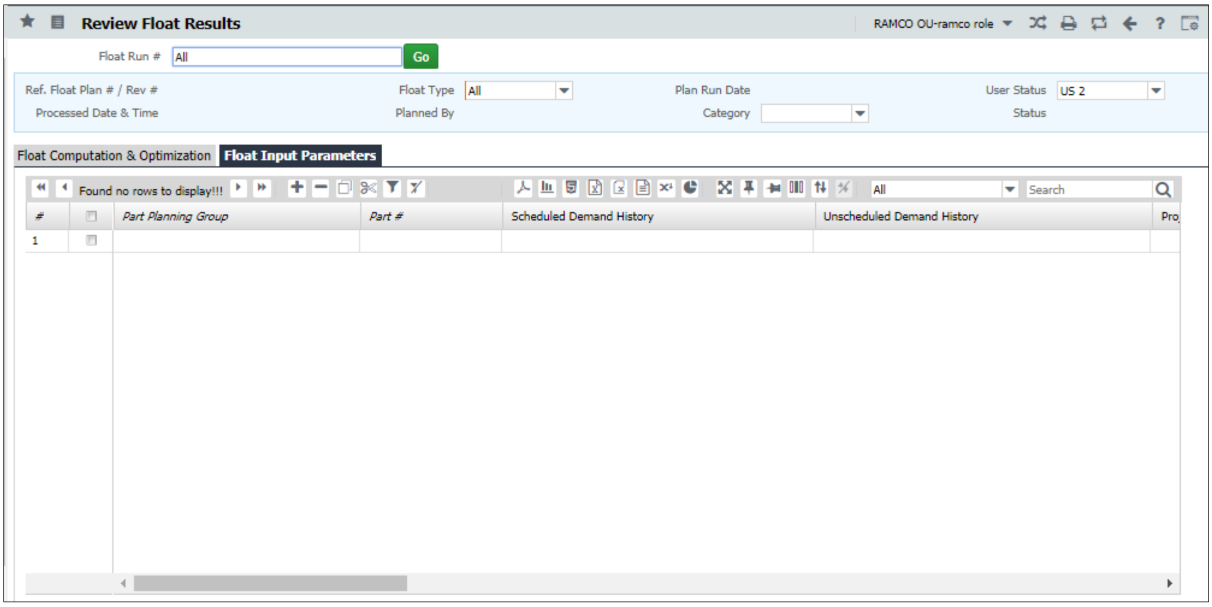
Float Computation and Optimization

This tab enables to view and modify the values computed by the Float Engine for the Part #/ Part Planning Group.

- Enter the **Modified Float Qty.**, **Optimized Float**, **Float for Unscheduled Demand** and **Float for Scheduled Demand**.
- Enter the **Optimized Unscheduled Demand**, **Optimized Scheduled Demand**, **Forecasted Unscheduled Demand** and **Forecasted Scheduled Demand**.

Float Input Parameters

This tab enables to record the Float Input Parameters.



- Enter the **Scheduled Demand History**, **Unscheduled Demand History**, **Projected Scheduled Demand** and **Projected Unscheduled Demand**.
- Click the **Recompute** pushbutton to recompute the float.
- Click the **Reset** pushbutton to reset the float computation.
- Click the **Update** tab to update the float computation. Revision # will be generated/incremented in the line level for the modified lines and the modified values will be saved against the Latest Revision.

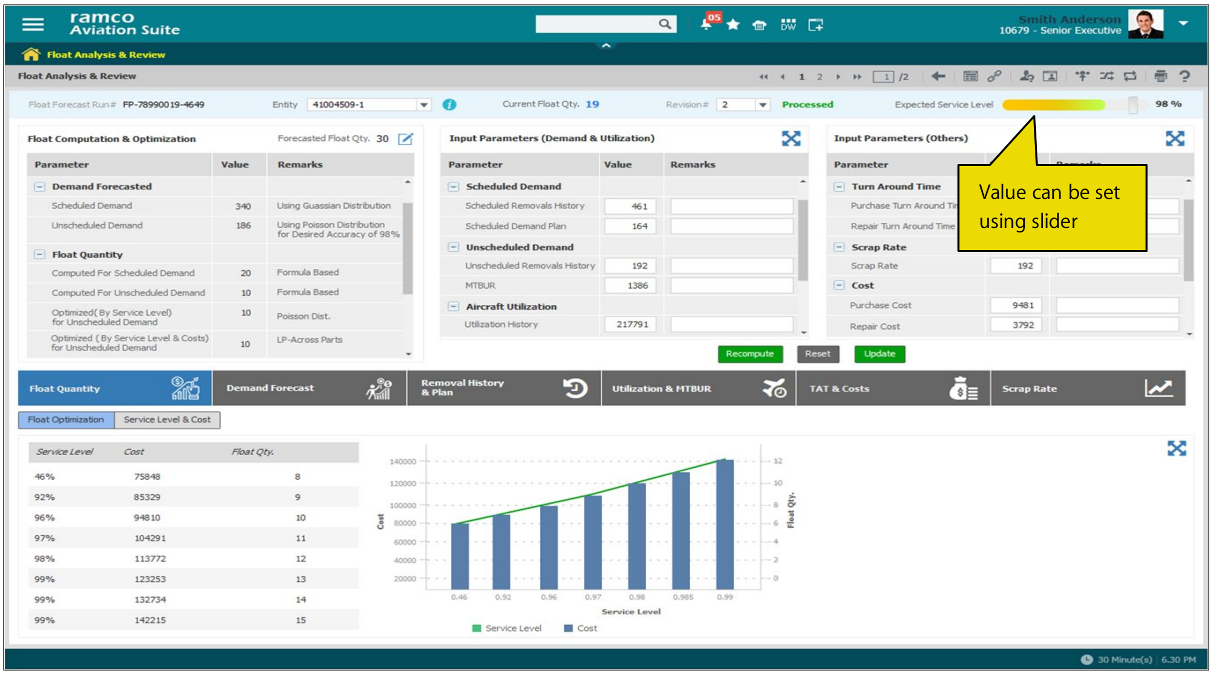
To proceed, carry out the following

- Click the **Manage Float Plan** link at the bottom of the page to manage the float forecast plan.
- Click the **Manage Float Run** link at the bottom of the page to manage the Float Run.
- Click the **View Parts Information** link at the bottom of the page to view the parts details of float plan.
- Click the **Upload Documents** link at the bottom of the page to upload the documents for Float Forecast Plan.
- Click the **View Associated Documents** link at the bottom of the page to view the associated documents for Float Forecast Plan.

Reviewing Float

This activity allows the user to perform float analysis and review for a single part in detail for a Float Run # and Entity combination. Provision to simulate float computation, update and reset is provided in this screen.

- Select the **Float Review** activity under the **Float Management** business component. **The Float Review** page appears.



- Enter the **Float Run #**and specify the **Entity** for which the float computation and Optimization is to be performed.
- In the **Input Parameters (Demand &Utilization)** section, parameter values for **Scheduled Demand, Unscheduled Demand** and **Aircraft Utilization** can be updated.
- In the **Input Parameters (Others)** section, parameter values for **Turn Around Time**, **Scrap Rate** and **Cost** can be updated.
- In the **Float Computation & Optimization** section, float forecasted quantity, computed and optimized values are displayed.
- Click the **Recompute** pushbutton to recompute the float results.
- Click the **Reset** pushbutton to reset to the previously saved values.
- Click the **Update** pushbutton to update the modified values and recomputed the float results.
- In the **Float Quantity** tab, the system displays the Float Optimization and Service Level & Cost details are displayed in table and chart format.
- In the **Demand Forecast** tab, the system displays the Demand Forecasted values for the period displayed in table and chart format.
- In the **Removal History & Plan** tab, the system displays the Scheduled Demand and Unscheduled Demand history & plan in table and chart format.

In the **Utilization & MTBUR** tab

- The system displays the Actual and Projected Utilization for the A/C Model in table and chart format.
- The system displays the MTBUR for the period in table and chart format.
- In the **TAT & Costs** tab, the system displays the Turn Around Time and Costs for Purchase and repair in table and chart format.
- In the **Scrap Rate** tab, the system displays the scrap rate for period in table and chart format.

WHAT'S NEW IN PART ADMINISTRATION?

Ability to define Alternate Parts coverage for Frequently Requested Parts

Reference: APRP-983

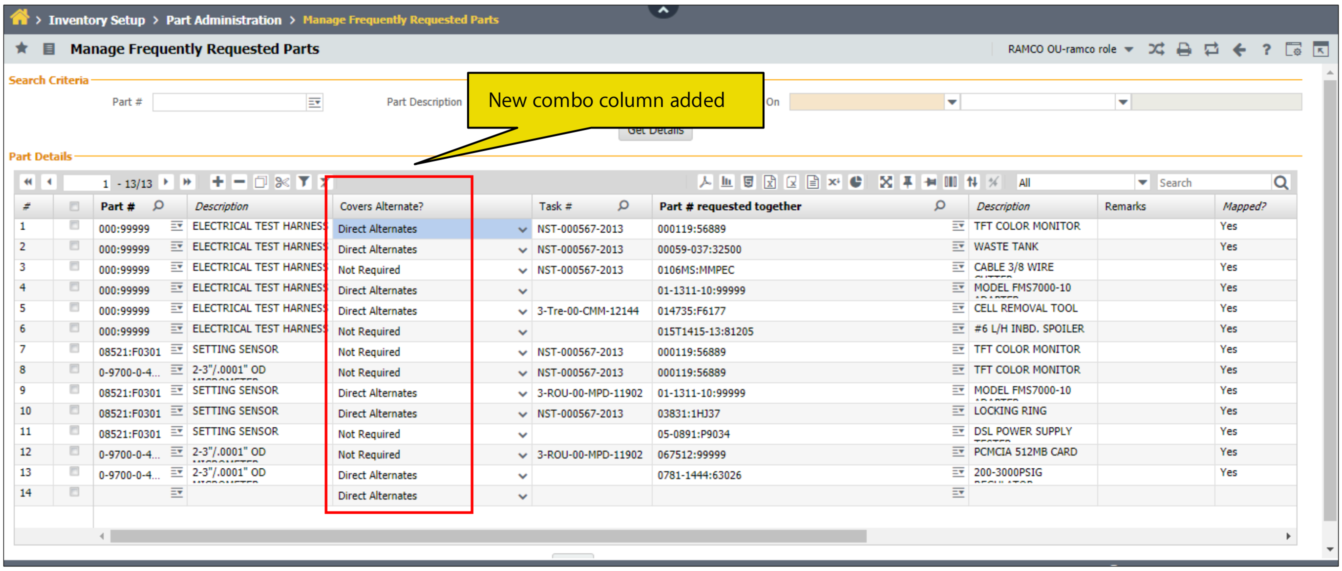
Background

Currently, for the frequently requested parts definition there is no ability to copy a definition for the alternate parts as well. For each part, though an alternate, the definitions are needed to be redefined. Business need is to have an ability to copy the frequently requested parts definition for its alternates.

Change Details

A new combo column '**Covers Alternate?**' is added in the Part Details multiline in **Manage Frequently Requested Parts** screen of the **Part Administration** business component.

Exhibit 1: Identifies the new column in **Manage Frequently Requested Parts** screen



In **Mechanic Anywhere** while requesting for a Part, the service for suggesting Part requested together based on '**Manage Frequently Requested Part**' will also check if the Part is an alternate to any defined Part where the combo '**Covers Alternate?**' is selected as Direct Alternate, if found the same definition would be used for the given Part # as well.

WHAT'S NEW IN STOCK MANAGEMENT?

Ability to review the compliance details for the Part-Serial/Lot defined and also for the other stock available based on the Allocation Rules

Reference: APRP-568

Background

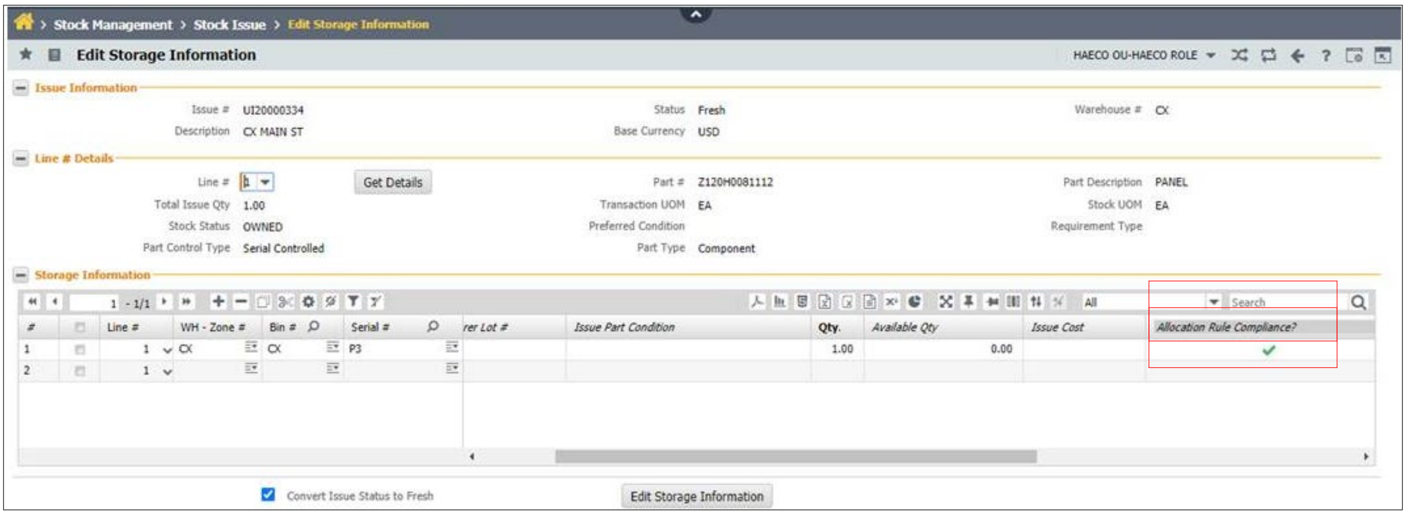
This enhancement provides the ability to review the compliance details for a Part-Serial/Lot allocated for a demand and also the ability to review the available stock across Warehouses based on the defined Allocation Rules.

Change Details

The following changes are made in the respective screens to meet the above business requirement.

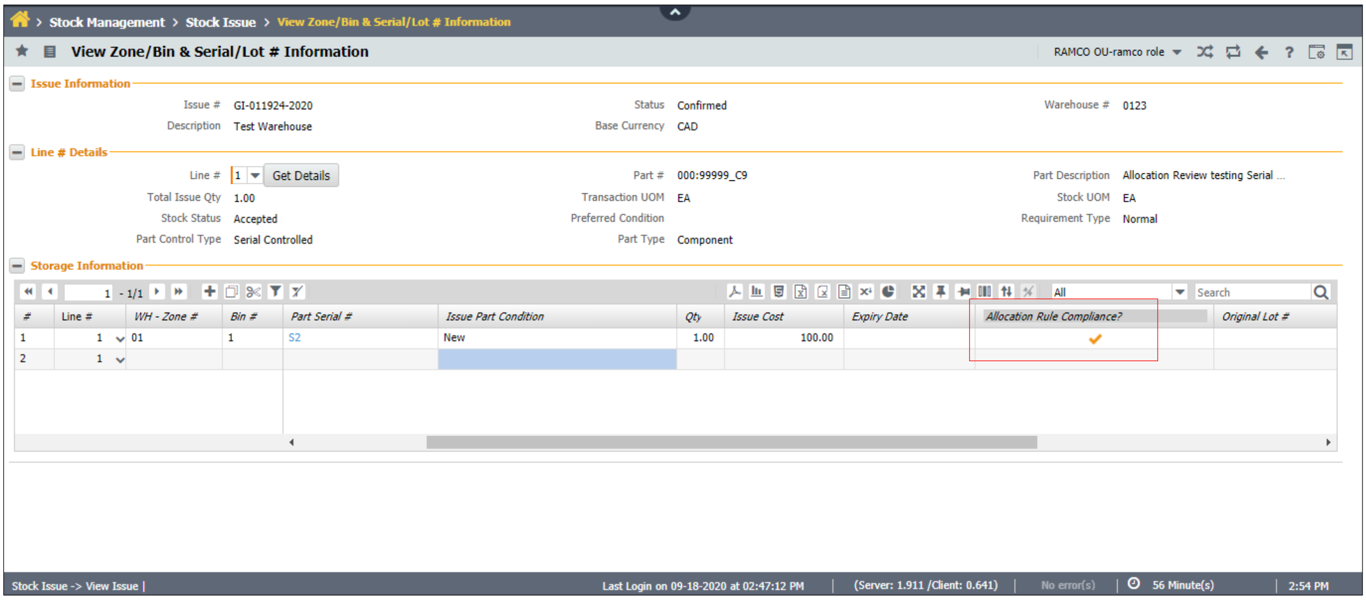
1. A new column 'Allocation Rule Compliance?' is added in **Edit Storage Information** screen under **Edit Issue** activity to act as an indicator and a popup trigger point for the rules compliance details.

Exhibit 1: Identifies the **Edit Storage Information** screen



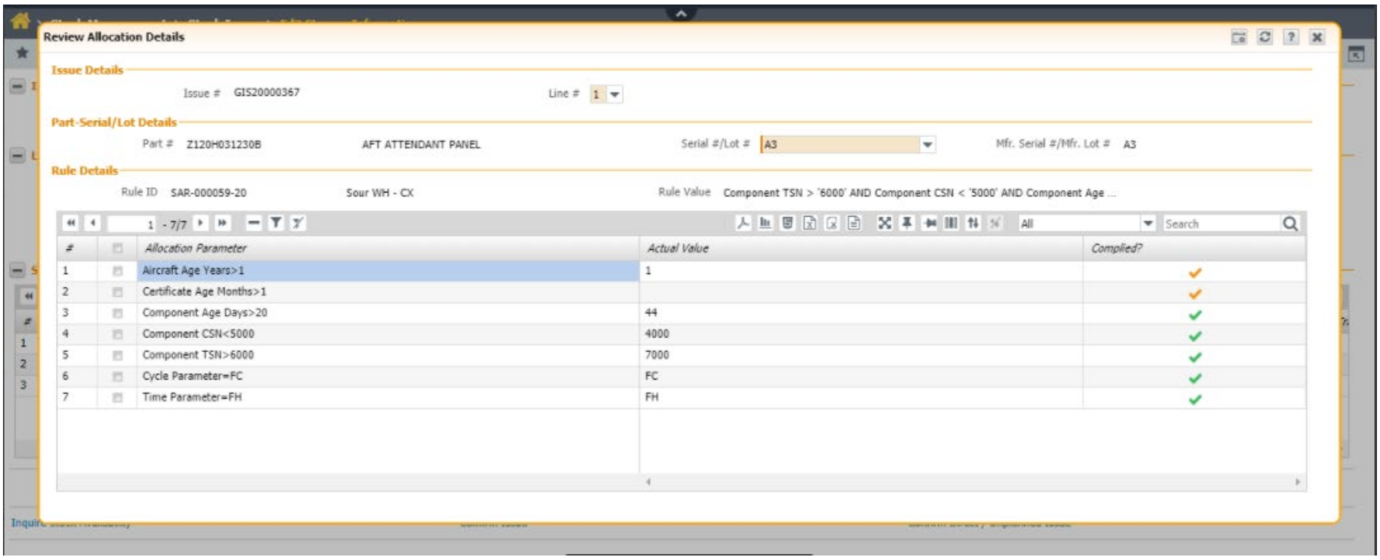
2. A new column 'Allocation Rule Compliance?' is added in **View Zone / Bin & Serial / Lot # Information** screen under **View Issue** activity to act as an indicator and a popup trigger point for the rules compliance details.

Exhibit 2: Identifies the **View Zone / Bin & Serial / Lot # Information** screen



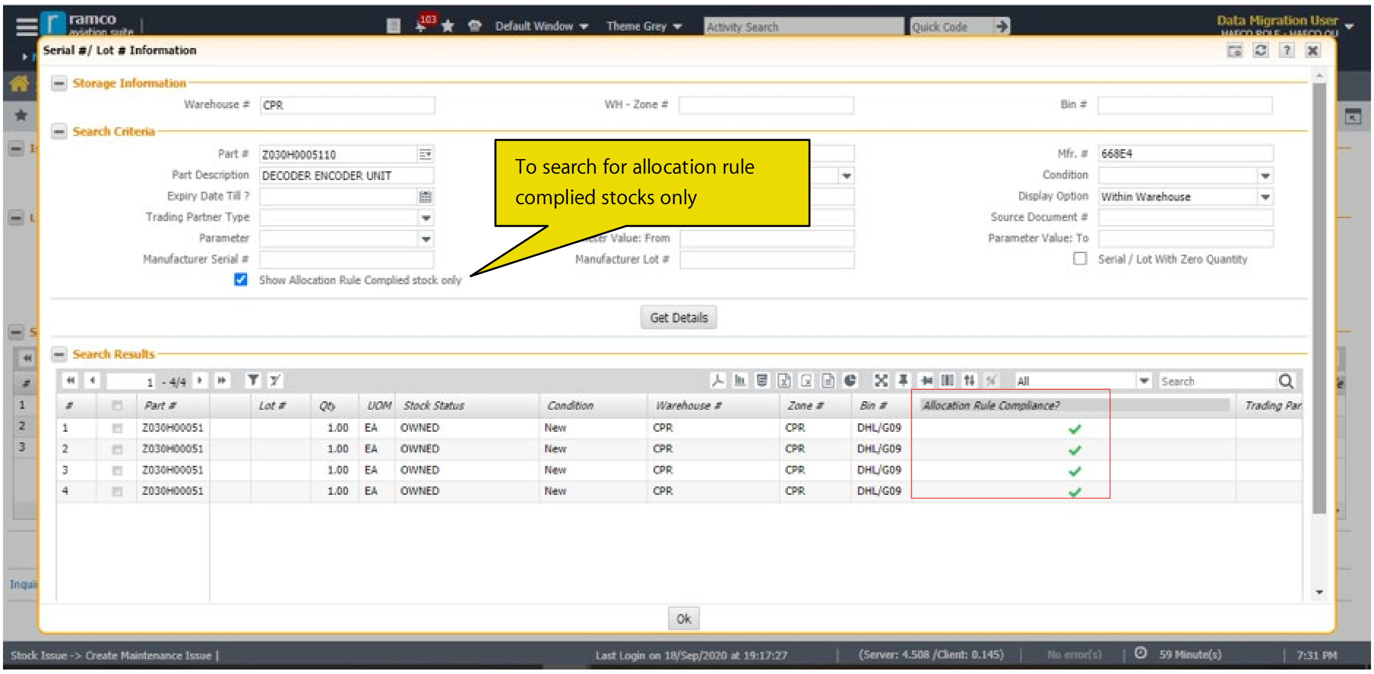
3. The Popup to show the actual values against each parameter for the respective Serial/Lot #.

Exhibit 3: Identifies the **Review Allocation Details** pop-up screen



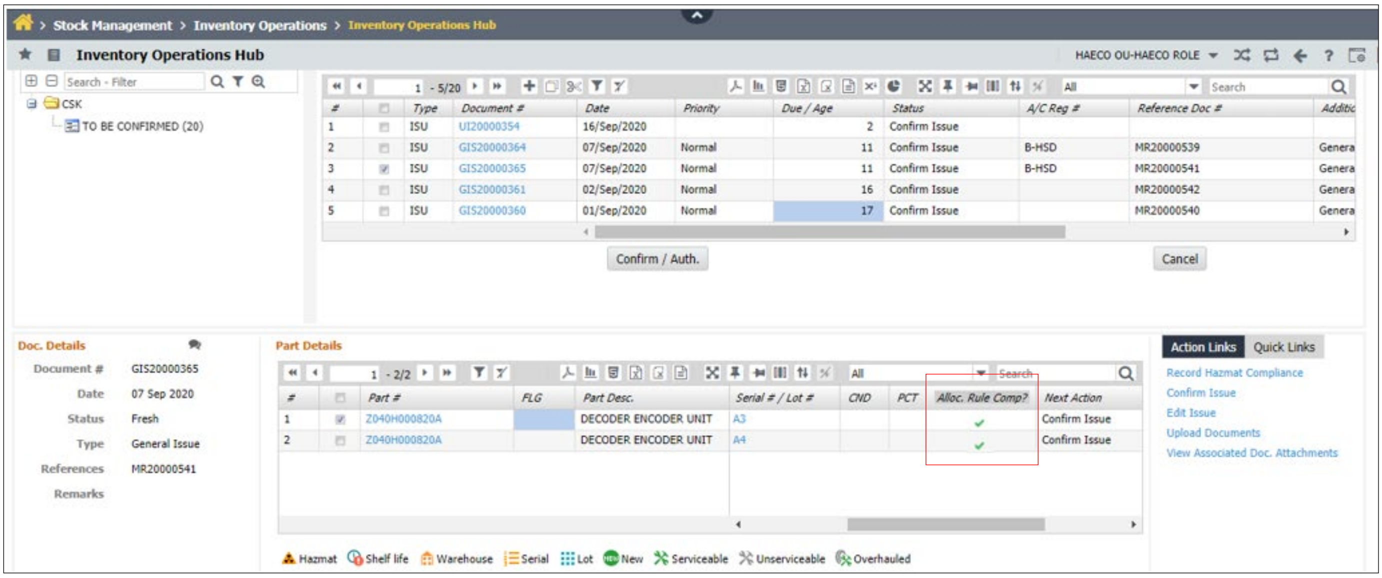
4. **Help on Serial/Lot Information** is enhanced to search and indicate based on the Rule Compliance for the Issue document.

Exhibit 4: Identifies the **Help on Serial/Lot Information** screen



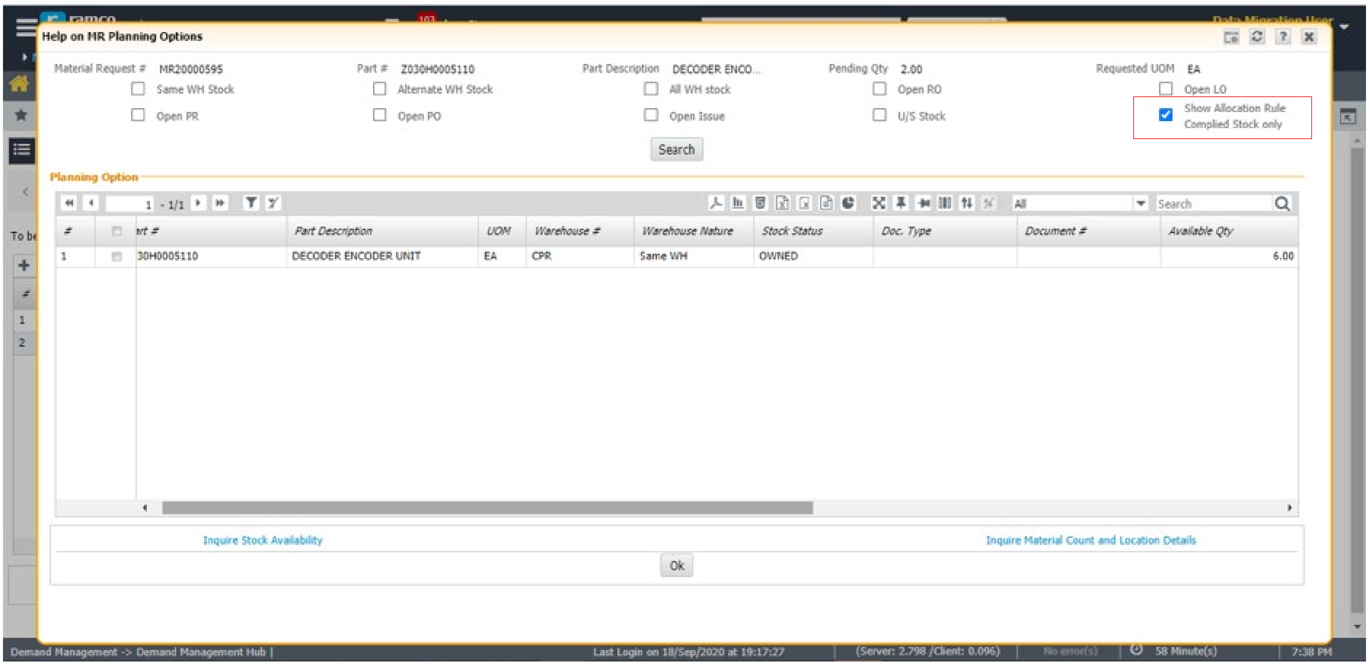
5. A new column 'Allocation Rule Compliance?' is added in the Part Details multiline in **Inventory Operations Hub** screen of **Inventory Operations** business component to act as an indicator and a popup trigger point for the rules compliance details.

Exhibit 5: Identifies the **Inventory Operations Hub** screen



6. **Help on MR Planning Options** screen under **Demand Management Hub** is enhanced to search for Allocation Rule complied stocks for the Material Request.

Exhibit 6: Identifies the **Help on MR Planning Options** screen



7. On Issue confirmation from **Confirm Issue** screen and **Inventory Operations Hub** system to check if the Allocated Stocks for the selected Issues are complied to the rules and display information message accordingly.

Ability to restrict Issues to Customer based on Restriction codes and also restrict allocation

Reference: APRP-910, APRP-1050

Background

Manage Part Restrictions screen facilitates to identify the parts that are restricted for usage. The type of documents that need to be restricted for a Part can be identified using the parameters in the **Define Process Entities** activity, under the 'Stock Restriction Codes'. Currently, the general issue, rental order issue and direct issues identify and validate the restriction only during confirmation.

Business need is to restrict these issues during creation itself, as these issues are the primary issues used to issue materials to the customers and so, validating the restriction at confirmation stage will be too late. It is also required to restrict issue of certain parts to certain customers, as those customers do not prefer those Parts.

Change Details

In the **Define Process Entities** activity, the permitted values for the parameters, 'Allow General Issue', 'Allow Rental Order Issue' and 'Allow Direct Issue' are modified to identify if restriction should be done on Issue Creation or Confirmation. Based on the option setting and the definition in the **Manage Part Restrictions** screen, whenever issue is created/modified/confirmed, validations will be thrown to ensure Part specific restrictions and Serial/Lot #s allocation will be restricted, if the restriction is defined at Serial/Lot level in the **Manage Part Restrictions** screen.

Also, the Customer # to which the Parts are issued is also validated in these events, with the definition in the **Manage Part Restrictions** screen.

Ability to have the Coverage Details summarized for the Material Request Line

Reference: APRP-1005

Background

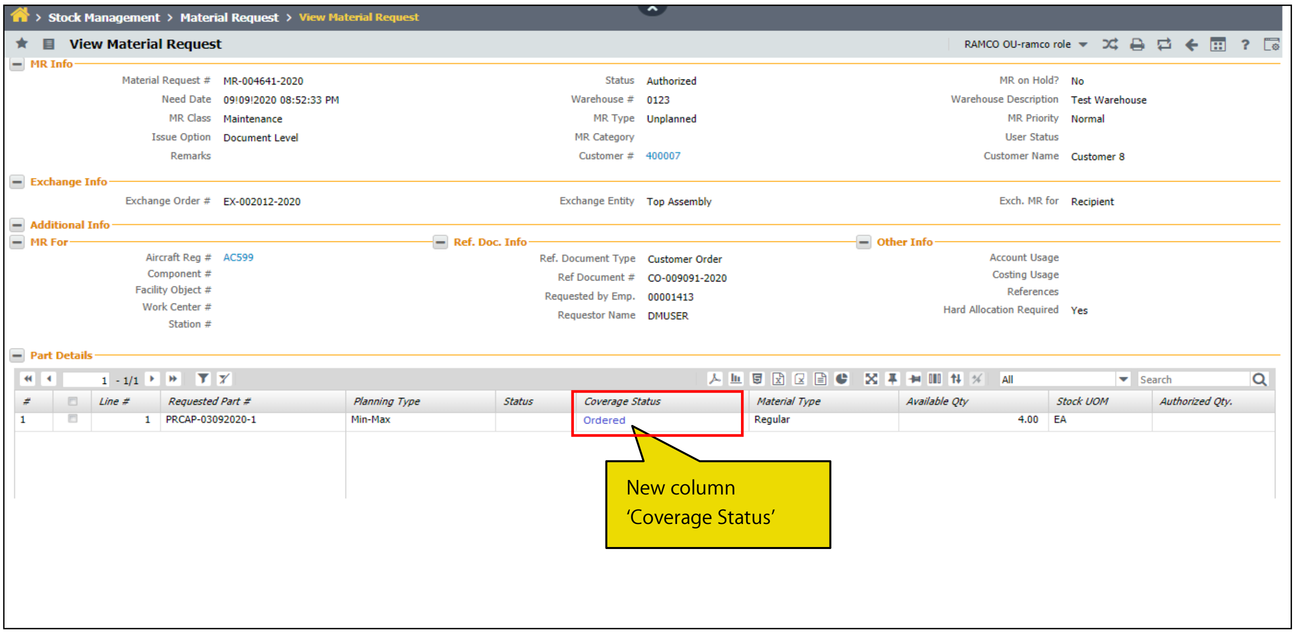
Currently, the View Coverage Details screen in Material Request displays the documents used for covering the Material Requests. However, certain documents in the chain, such as the Advance Shipping Note/Shipping Note generated against the Repair Orders/Stock Transfer Issue are not displayed in the View Coverage Details. Business need is to have Coverage Details summarized for a Material Request line #, through various Coverage Status based on the Planning Document, along with display of ASN/Stock Transfer Shipping Note/Repair Orders used to cover a Material Request.

Change Details

<u>Material Request</u>

A New column 'Coverage Status' is added in the **View Material Request** activity. This column will summarize and display the Coverage Status of the Material Request Line #.

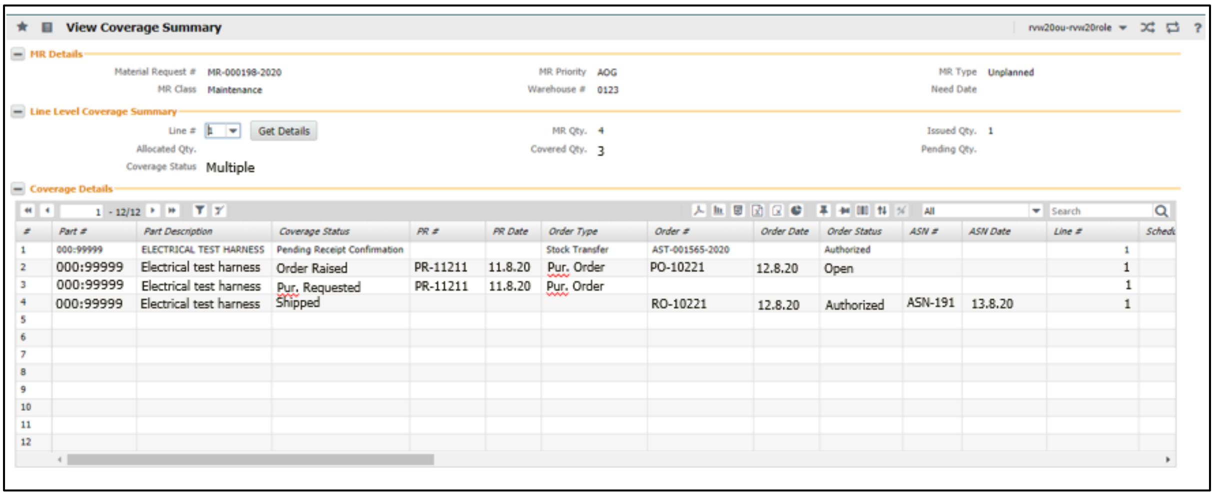
Exhibit 1: Identifies the **View Material Request** Screen



On click of Coverage Status, the View Coverage Summary Screen will launch. This 'View Coverage Summary' is same as the 'View Coverage Details' screen of View Material Request Activity.

The existing multilines in the 'View Coverage Details' is modified and grouped as a single multiline to display the entire chain of documents used for sourcing the Material Request. New section is added in this screen to display the summary of Qty requested and covered.

Exhibit 2: Identifies the **View Coverage Summary** screen



Coverage Status is derived based on the Status of the Ref. Documents that is planned against the Material Request. Below table explains the various Coverage Statuses based on the Planning Document.

Ref. Doc Type	Coverage Status	Description
Purchase Request	Purchase Requested	If the PR is raised in Authorized Status for the part without Purchase Order
Purchase Order/Repair Order	Order Pending Approval	If the PO is in Draft / Fresh / Amended / Hold / RO is in Released Status.
Purchase Order/Repair Order	Ordered	If the PO is in Open Status / RO is in Authorized Status.
Purchase Order/Repair Order	Partially Ordered	If partial items are ordered in the PO/RO
Purchase Order/Repair Order	Shipped	If ASN is recorded against the PO/RO
Purchase Order/Repair Order	Partially Shipped	If partial items are recorded against the PO/RO in ASN
Purchase Order/Repair Order/Stock Transfer	Partially Received	If partial items are received against the PO/RO/STI
Purchase Order/Repair Order/Stock Transfer	Quarantined	If the parts are quarantined in GR/STR against the PO/RO/STI.
Purchase Order/Repair Order/Stock Transfer	Received	If the parts in GI/STR is received.
Stock Transfer	Transfer Raised	If Stock Transfer is raised for the Part

Ref. Doc Type	Coverage Status	Description
Stock Transfer	Pending ST Issue confirmation	If the Stock Transfer Issue is in Fresh Status.
Stock Transfer	In-Transit	If the Stock transfer Issue is in Confirmed Status but no receipt
Stock Transfer	Pending Receipt Confirmation	If the Stock Transfer Receipt is in Fresh Status
Make Work Order	SWO in Progress	If a SWO is linked to the MR and the SWO is not in closed status
Make Work Order	Part Returned	If a SWO is returned (Maintenance Return in Draft / Fresh / Confirmed Status)
Make Work Order	Pending Return Confirmation	If return is in Draft or Fresh Status
Stock Issue	Partially Allocated	If Partial items are allocated in the Issue which is in Fresh status
Stock Issue	Allocated	If Issue against MR is in Fresh status
Stock Issue	Partially Issued	If Partial items are Issued against the MR
Stock Issue	Issued	If Issue against MR is in Confirmed status

WHAT'S NEW IN DEMAND MANAGEMENT HUB?

Ability to propose stock available in Non-Alternate warehouses

Reference: APRP-1124

Background

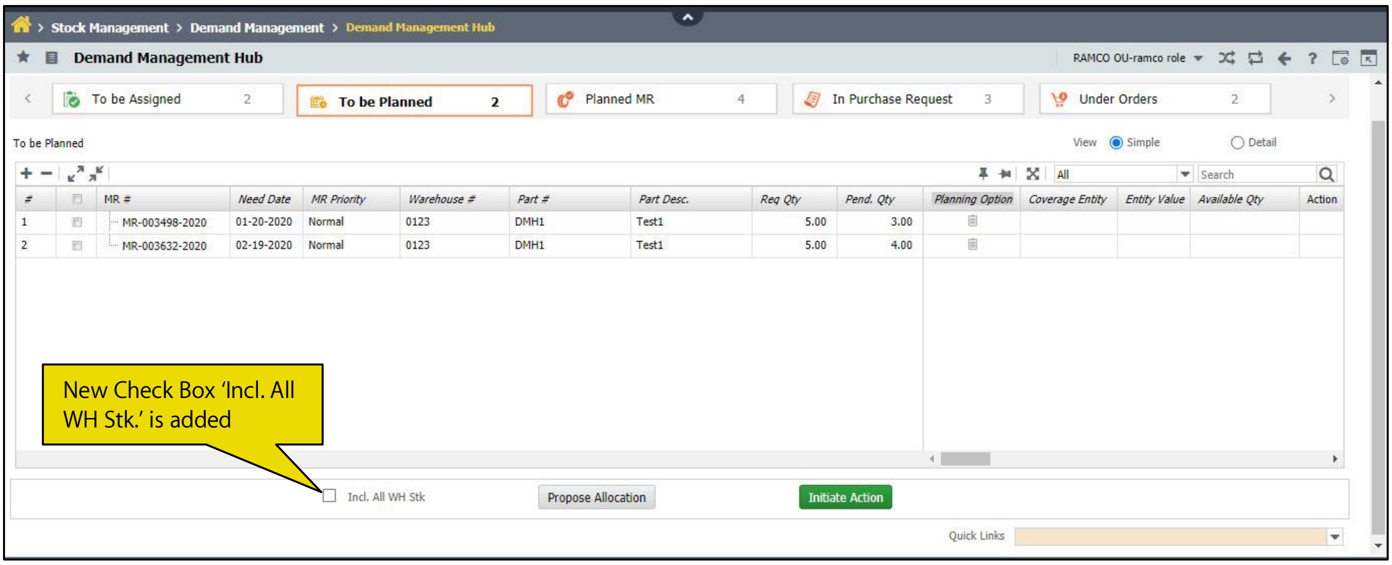
Propose Allocation capability in the **Demand Management Hub**, provides the Material Planners with a capability to exactly identify the shortage quantity for Parts consolidating all the Material Requests. Currently, only the stock available in the Requesting Warehouse and Alternate warehouses are considered to arrive at the shortage quantity that needs to be planned. However, in emergency scenarios, it is quite common to initiate a stock transfer even from Non-Alternate warehouses.

Business need is to have the provision to consider the stock availability in the Non-Alternate Warehouses as well, to arrive at the quantity that needs to be planned manually by the Material planner.

Change Details

A checkbox, 'Incl. All WH Stk.' is added near the 'Propose Allocation' button in the **Demand Management Hub**. When this checkbox is selected during click of Propose Allocation, the stock available even in the Non-Alternate warehouses will be considered for allocation proposal. Stock available in Non-Alternate warehouses will be considered for proposal after considering the stock in the Requesting warehouse and then the alternate warehouses.

Exhibit 1: Identifies the New Check Box Addition in **Demand Management Hub** screen



WHAT'S NEW IN STOCK TRANSFER RECEIPT?

Ability to confirm Stock Transfer Receipt at Line Level

Reference: APRP-846

Background

In the Stock Transfer receipt, whenever the Part # is marked as Quarantined, then the whole Stock transfer receipt will be in difficult to confirm. Business Need is to confirm the Stock Transfer Receipt at Line Level. Based on the new set option, during the confirmation of STR the quarantined part will be removed from the old STR and New STR created and the Quarantine Details will be copied to the New STR from the Old STR.

Change Details

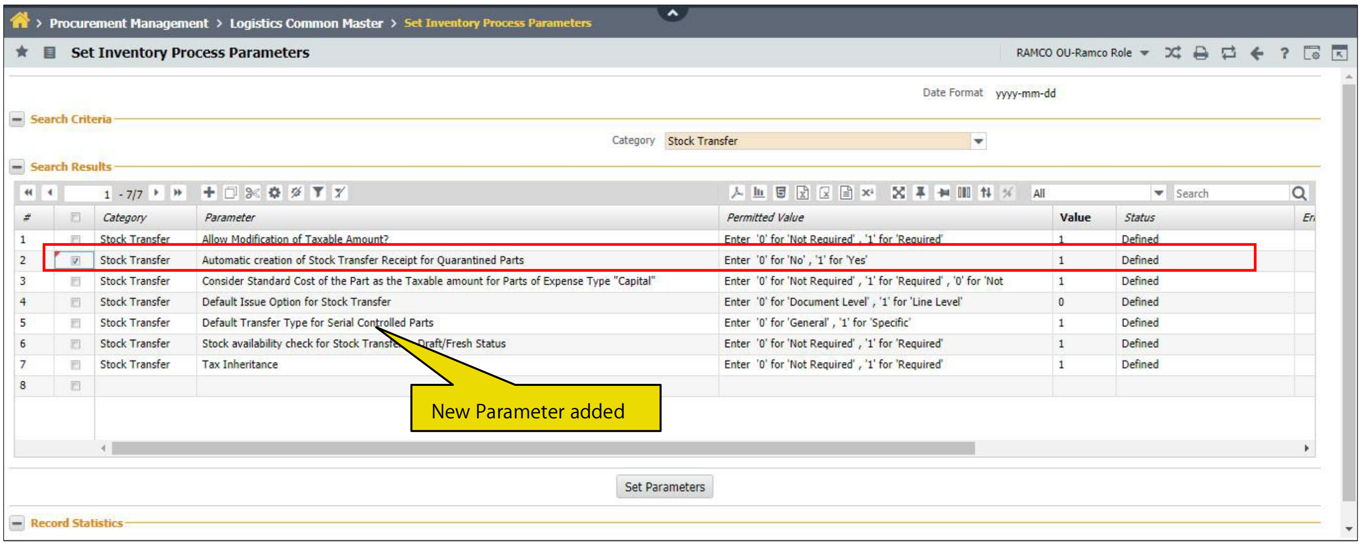
A new set option "Automatic creation of Stock Transfer Receipt for Quarantined Parts" is added under 'Stock Transfer' category, in **Set Inventory Process Parameters** screen. If the Set option is set as 'Yes', then
New STR will be created for the Quarantined Parts only when the 'Allow Multiple receipts for a Stock Transfer Receipt" is set as 'Yes', or else error message is displayed.
If the Set Option 'Automatic Creation of Stock Transfer Receipt for Quarantined Parts' is set as 'No', error message is displayed.

Details like Supplementary Information, Inspection Details, Part Serial MOD details and Hazmat compliance have to be copied from the Old STR to the New STR for the Quarantined Parts.

In the **Confirm Stock Transfer Receipt** screen, multiple Receipts can be selected with the Quarantined Parts for the Confirmation and New Receipt(s) created with the details copied from the Old STR.

In **Inventory Operations Hub**, multiple Receipts can be selected with the Quarantined Parts for the Confirmation and New Receipt(s) created with the details copied from the Old STR.

Exhibit 1: Identifies the option setting in **Set Inventory Process Parameters** screen



WHAT'S NEW IN STOCK DEMAND MANAGEMENT?

Ability to manage Stock allocation by having Advanced rules defined by Maintenance Due days/values

Reference: APRP-1051

Background

Advanced Allocation Rules can be defined using various parameters like Certificate Type, Stock Condition, Certificate Age, Component Utilization history, etc. and utilized for the automatic allocation of stock against the Material Request. One of the key parameters based on which advanced allocation is generally governed is the Maintenance Due details of a Part, as a part that could become due for maintenance shortly, will not be accepted by a requestor.

Business need is to have advanced allocation rules defined using the Maintenance Due details of a Part and handle allocation based on the same.

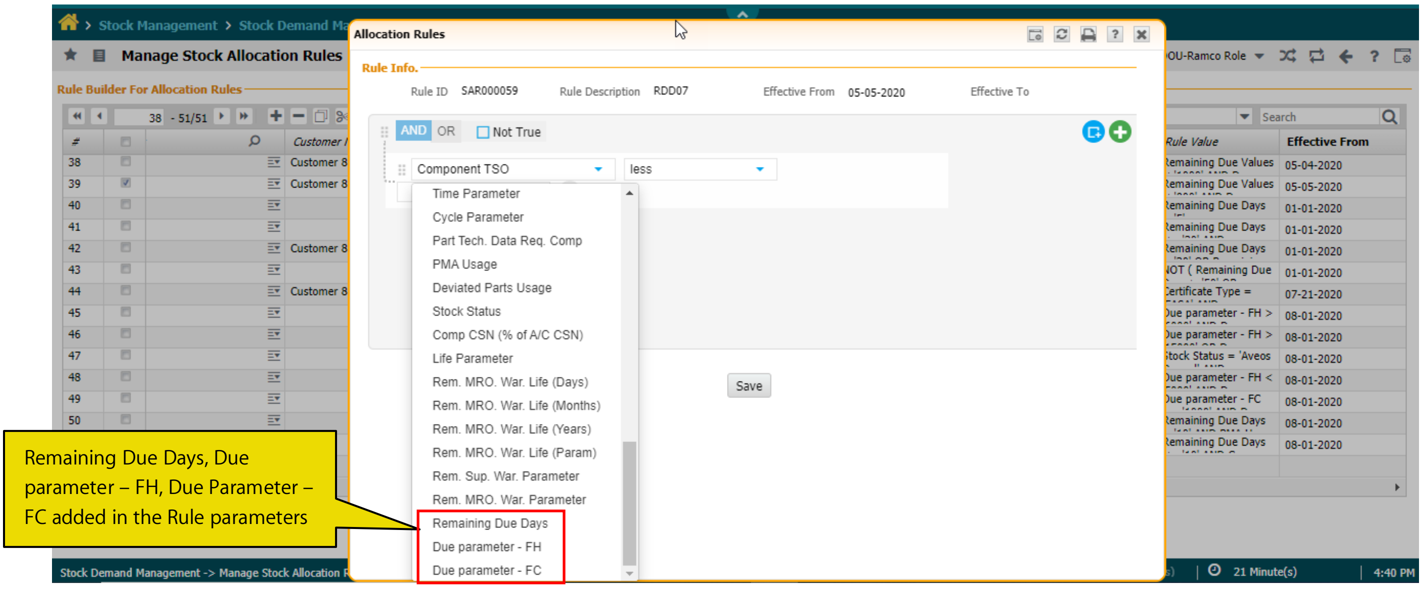
Change Details

In the Rules pop-up, that gets launched from **Manage Stock Allocation Rules**screen, the following parameters are added to facilitate Allocation Rule definition using Maintenance Due details.

- Remaining Due Days
- Due Parameter - FH
- Due Parameter - FC

If allocation based on advanced allocation rules is set as applicable in the **Set Inventory Process Parameters** screen, stock available in the warehouse that satisfies the rules defined based on Remaining Due Days/Values will alone be allocated, for the Component parts. If Maintenance Program is not defined for a Component part, but allocation rule with Remaining Due Days/Values is defined for it, stock will not be allocated as due days/values will not be available for the serial #.

Exhibit 1: Identifies the additional parameters added in **Stock Allocation Rules** Screen



Ability to restrict Stock Transfer from Warehouse, which is not part of Pool

Reference: APRP-1001

Background

Material Request gets raised against a warehouse whenever there is a need for materials. If stock is not available in the Requested Warehouse, the alternate Warehouses from where stock can be transferred can be defined. This provision facilitates automated Material Request Planning to a greater extent. In case of ITM organizations, the stock required to meet customer needs is generally maintained at Pool level, where Pool is a collection of warehouses. In this business model, Customer Material demand will be fulfilled within the Pool, though there could be alternate warehouses outside the pool, which will be used for satisfying internal demands.

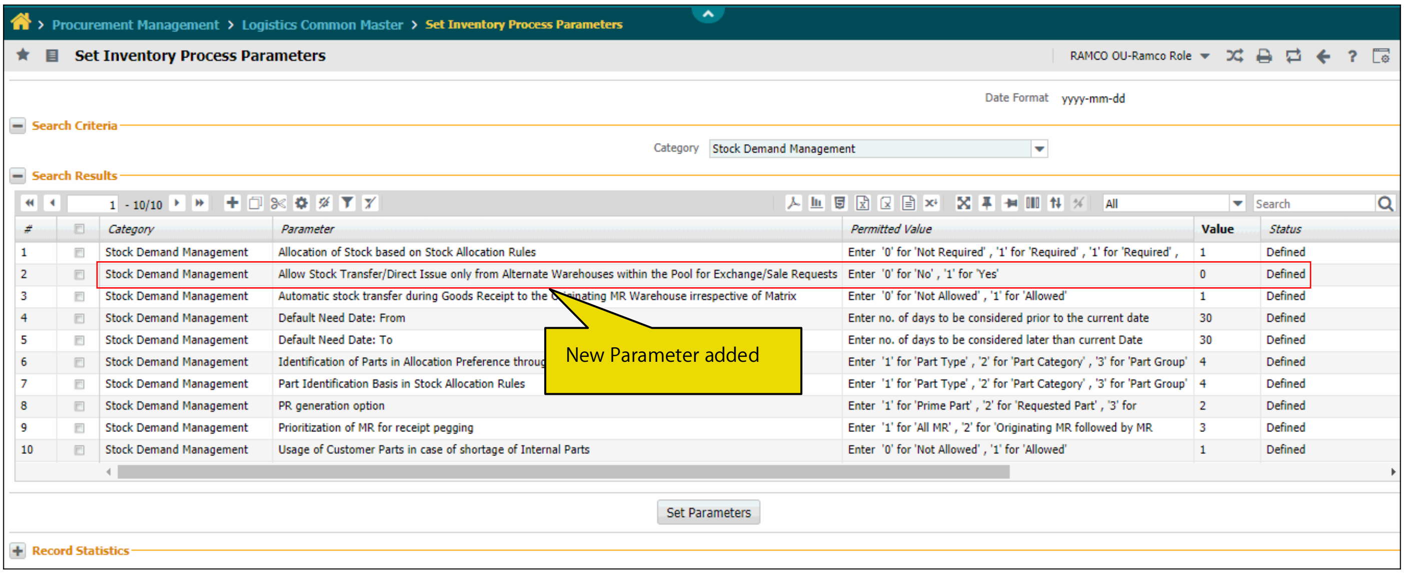
Business need is to have a provision to restrict transfer of Stock from warehouses only within the Pool for Customer demands.

Change Details

A new Set Option “Allow Stock transfer/Direct Issue only from Alternate Warehouse within the Pool for Exchange/Sale Requests” is added under ‘Stock Demand Management’ Category, in the **Set Inventory Process Parameters** screen of the **Logistics Common Master** business component.

- If the value is defined as ‘Yes’, the Stock Transfer/Direct Issue is allowed only when the Alternate Warehouse defined in the **Set Options** screen of **Stock Demand Management** business component, is within the defined pool from on which the Material Request is placed.
- If the Value is set as ‘No’, restriction of the Pool is not applicable on the alternate warehouses.

Exhibit 1: Identifies the option setting in **Set Inventory Process Parameters** Screen



Ability to view Unserviceable Stock Qty during Demand Planning

Reference: APSE-885

Background

In both Plan Material Screen and Demand Management Hub screen, till now the part conditions like New, Serviceable and Overhauled Stocks should be displayed. Material Request gets raised for Unserviceable Quantities against a warehouse, whenever there is a need for materials. In both screens, there is no provision for displaying the Unserviceable quantities.

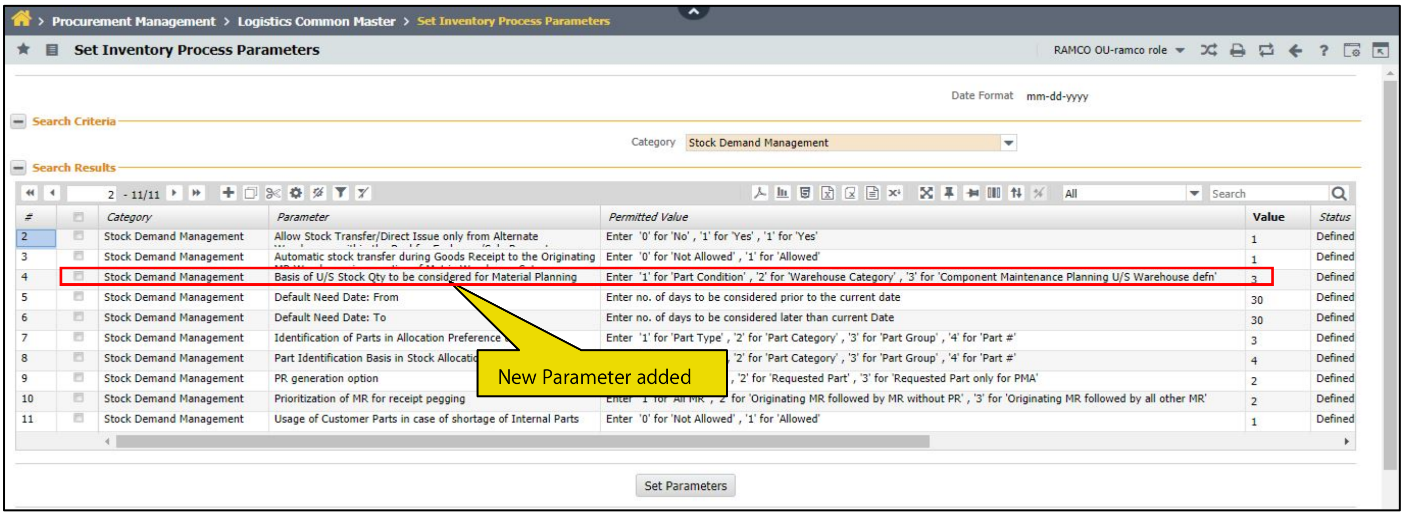
Business need is to view the Unserviceable Stock Quantities in both Plan Material and Demand Hub screens.

Change Details

A new Set Option "Basis of U/S Stock Qty to be considered for Material Planning" is added under 'Stock Demand Management' Category, in the **Set Inventory Process Parameters** screen of the **Logistics Common Master** business component.

- If the value is defined as '1', system displays the Quantities which are in unserviceable condition for the Part # across all the Warehouses.
- If the Value is set as '2', system displays the Quantities which are available in Warehouses which are mentioned as Unserviceable Warehouses as per the Material Inquiry set option screen definition.
- If the Value is set as '3', system displays the Quantities which are available in Warehouses which are mentioned as Unserviceable Warehouses as per the Set Option screen under **Component Maintenance Planning**.

Exhibit 1: Identifies the option setting in **Set Inventory Process Parameters** screen



WHAT'S NEW IN MATERIAL REQUEST?

Ability to copy the Need Date-Time, Station and Customer Request # reference from Customer Request in MR

Reference: APRP-998

Background

In the Material Request only the need date has been provided and from the customer request also only the need date was getting fetched. Business Need is to copy the Need Date-time, Station and Customer Request # Details in MR.

Change Details

In the Material Request Screen, the Need date Field has been changed to Date and Time enabled field. From the Customer Request #, the Need date and Time, Station and Priority Details will be copied to the Material Request which is generated through Advance Exchange.

During Advance exchange, if the initiating document is Customer Order #, then the need date and time details will be copied from the Customer Order# to the Material Request #.

Even if the initiating document is Customer Request#, if the changes have been made in the Customer Order then the details updated in the Customer Order # will be copied to the Material Request #.

In the Material Request Screen, in the Ref. Document field, if the Customer Order # or Part Sale Order # has been displayed, then the new links for the 'View Customer Order' and 'View Part Sale Order' are added to get the Reference Document Details.

Exhibit 1: Identifies the Control Change from Date field to Date-Time Field

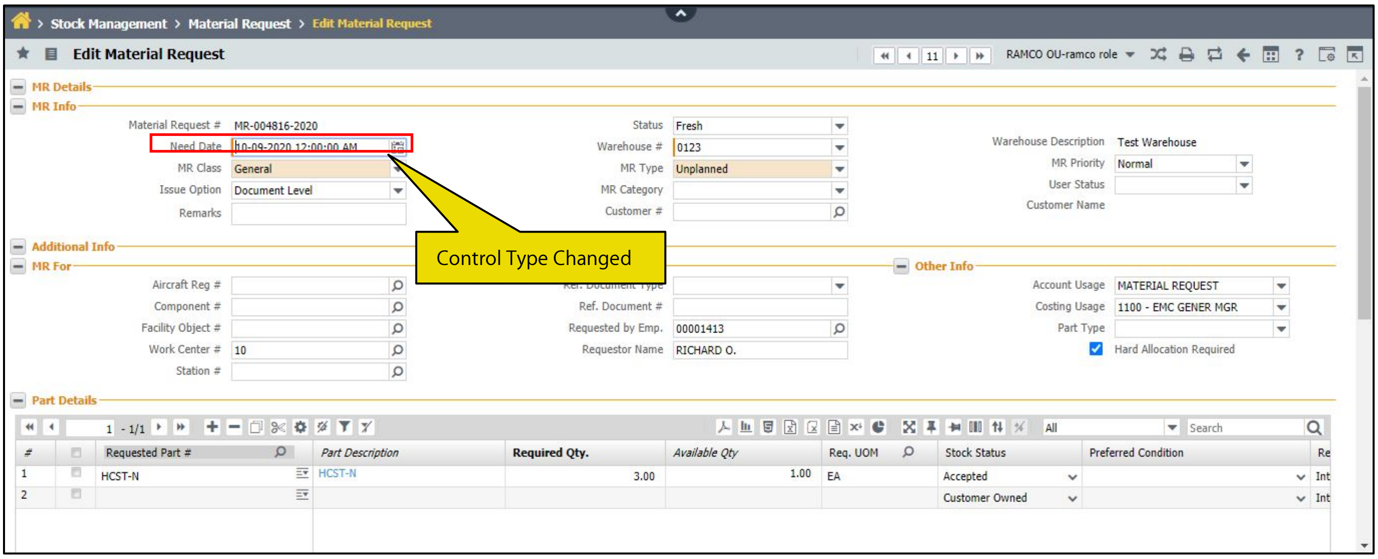
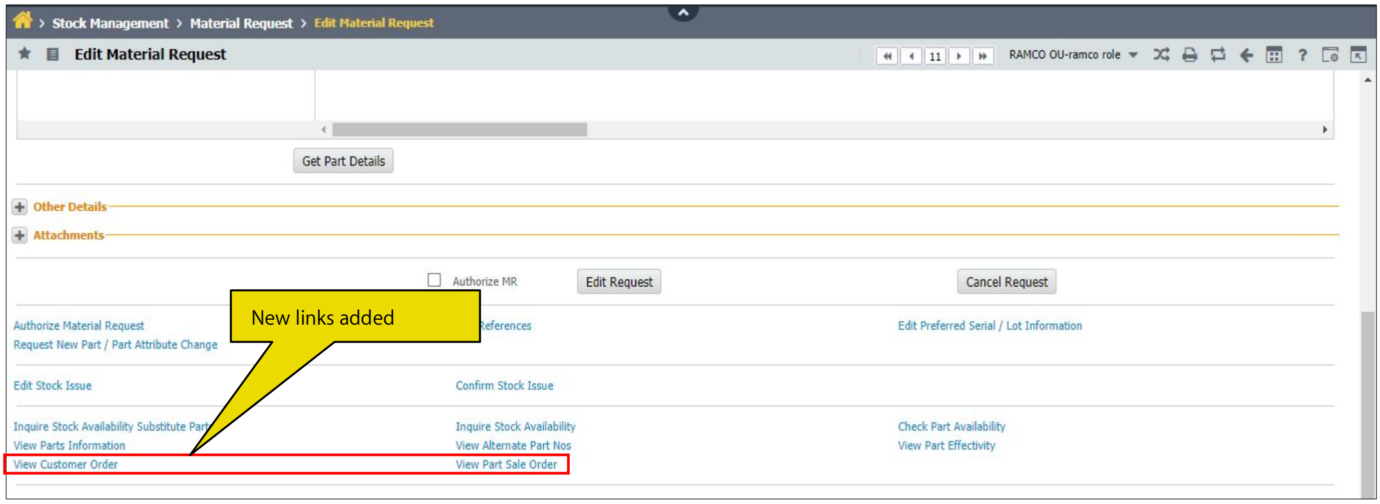


Exhibit 2: Identifies the new links added in **Edit Material Request** activity



WHAT'S NEW IN STOCK TRANSFER?

Ability to update Hazmat Compliance during Stock Transfer

Reference: APRP-994

Background

Stock Transfer Orders are sometimes created manually outside the Warehouse as a way to request the movement of the Inventory. Business need is to update the Hazmat Compliance during Stock Transfer.

Change Details

1. A new set option '**Manual Stock Transfer**' is added under 'Hazmat Compliance' category, in **Set Inventory Process Parameter** screen of the **Logistics Common Master** business component:

    - If the set option is set as "Enforce Compliance", then Stock Transfer Order with Hazmat Part should validate for the Hazmat Compliance Updation during Authorization.
    - If the set option is set as "Not required", then system should not enforce for the Hazmat Compliance Updation.

2. A link **Record Hazmat Compliance** is added in the **Create Inter Warehouse Stock Transfer**, **Edit Inter Warehouse Stock Transfer** and **Authorize Inter Warehouse Stock Transfer** screens.

3. A link **View Hazmat Compliance** screen is added in the **View Inter Warehouse Stock Transfer** screen.

Exhibit 1: Identifies the option settings in **Set Inventory Process Parameter** screen

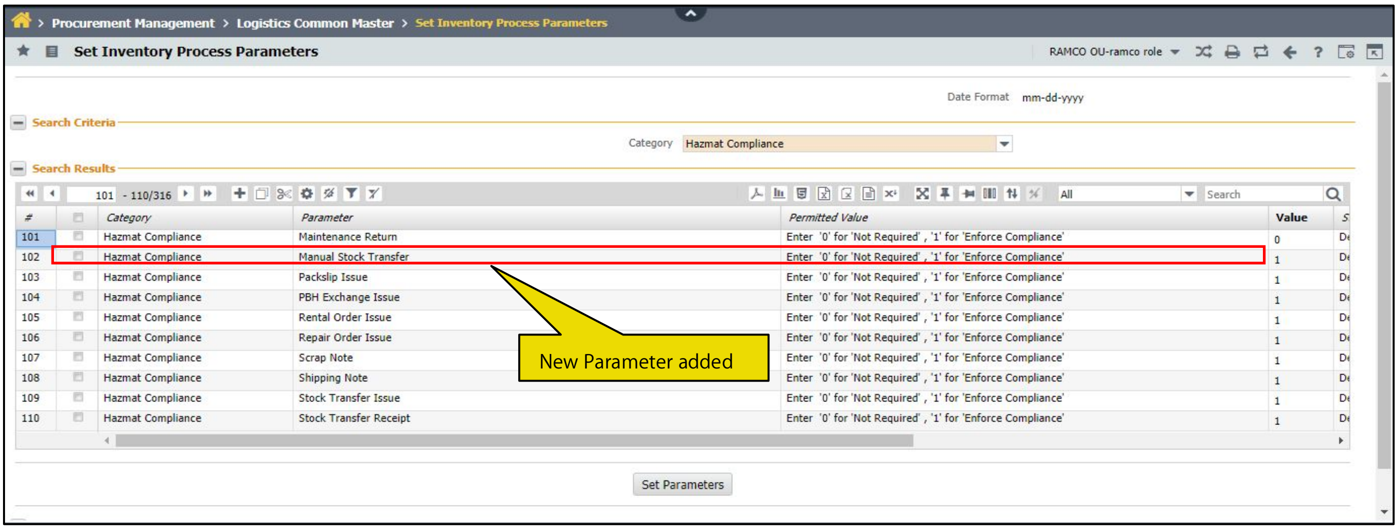


Exhibit 2: Identifies the link in **Create Inter Warehouse Stock Transfer** screen

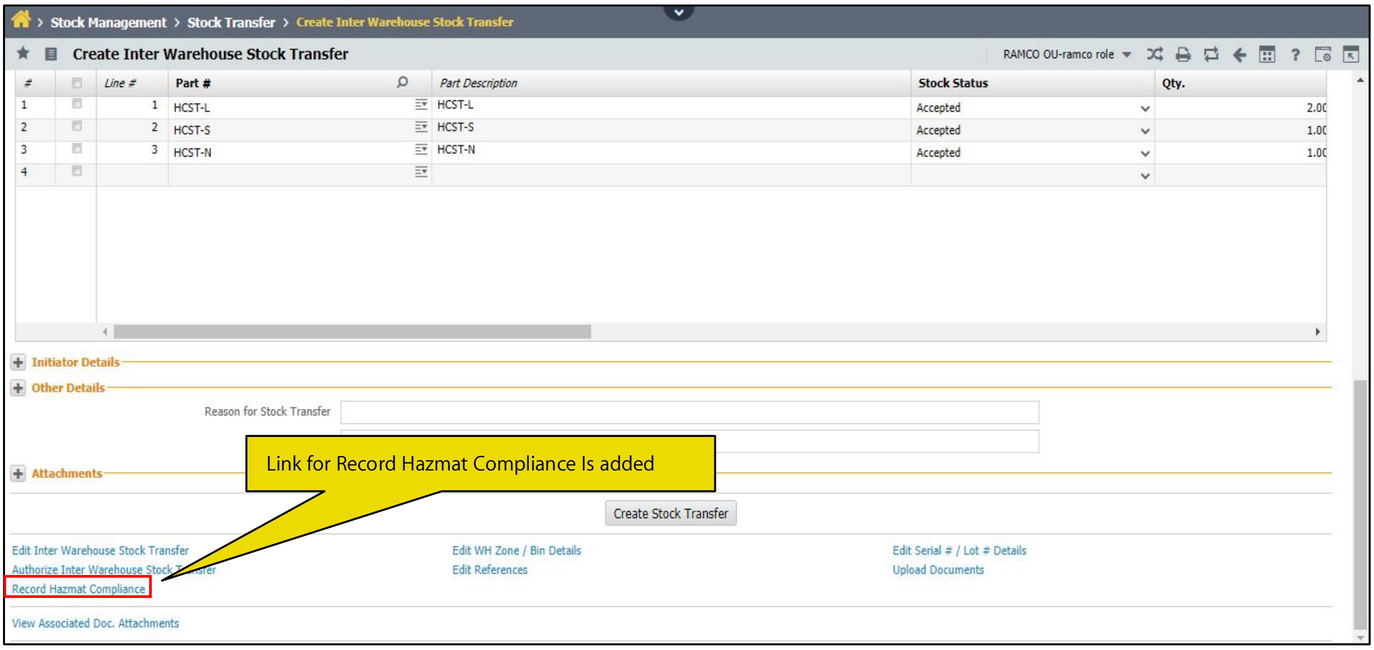


Exhibit 3: Identifies the **link** in **Edit Inter Warehouse StockTransfer** screen

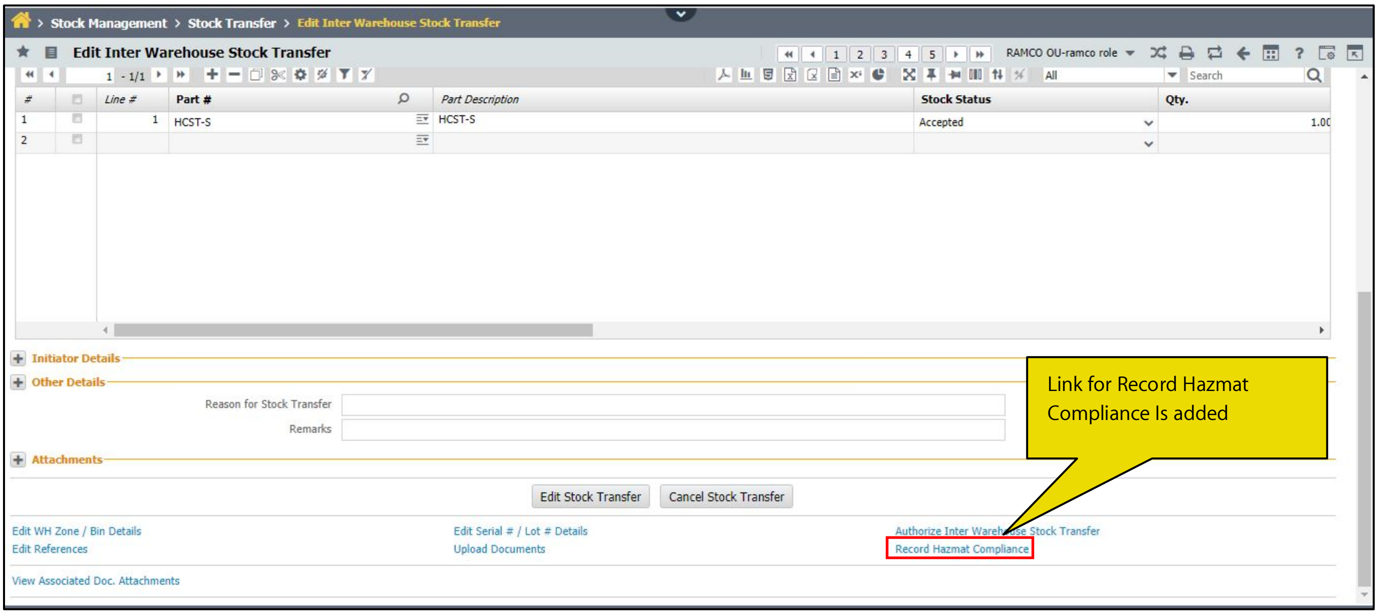


Exhibit 4: Identifies the link in **Authorize Inter Warehouse Stock Transfer** screen

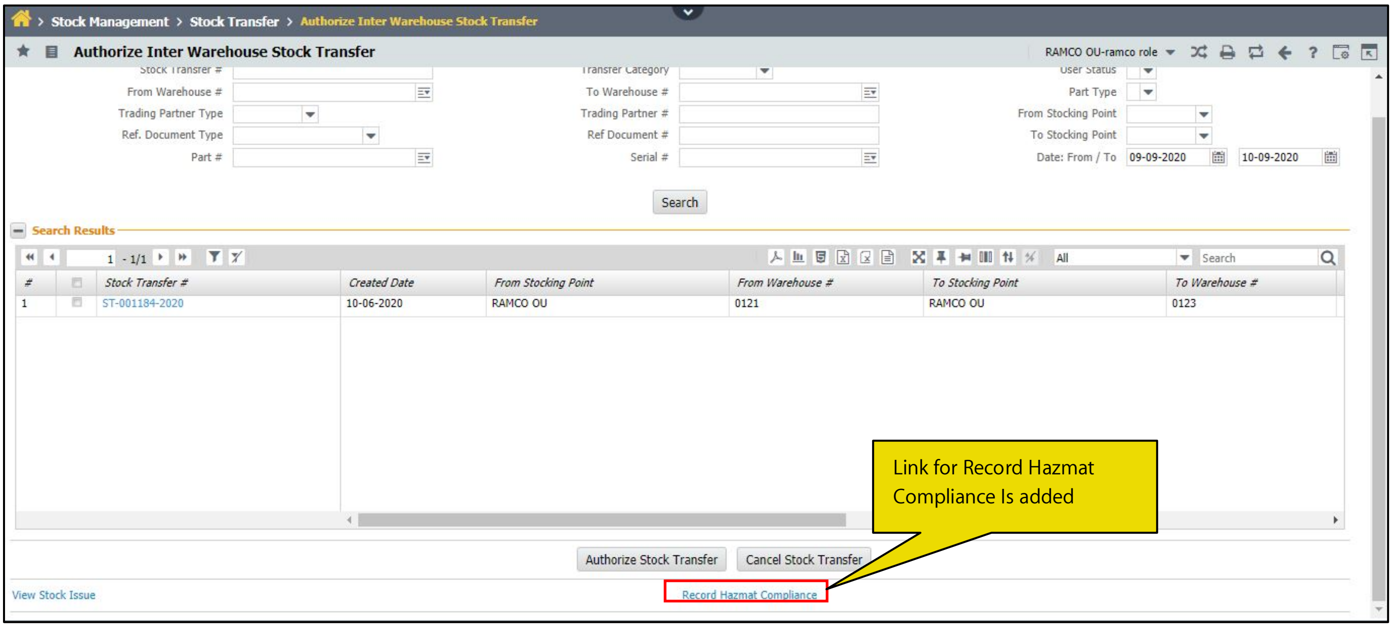
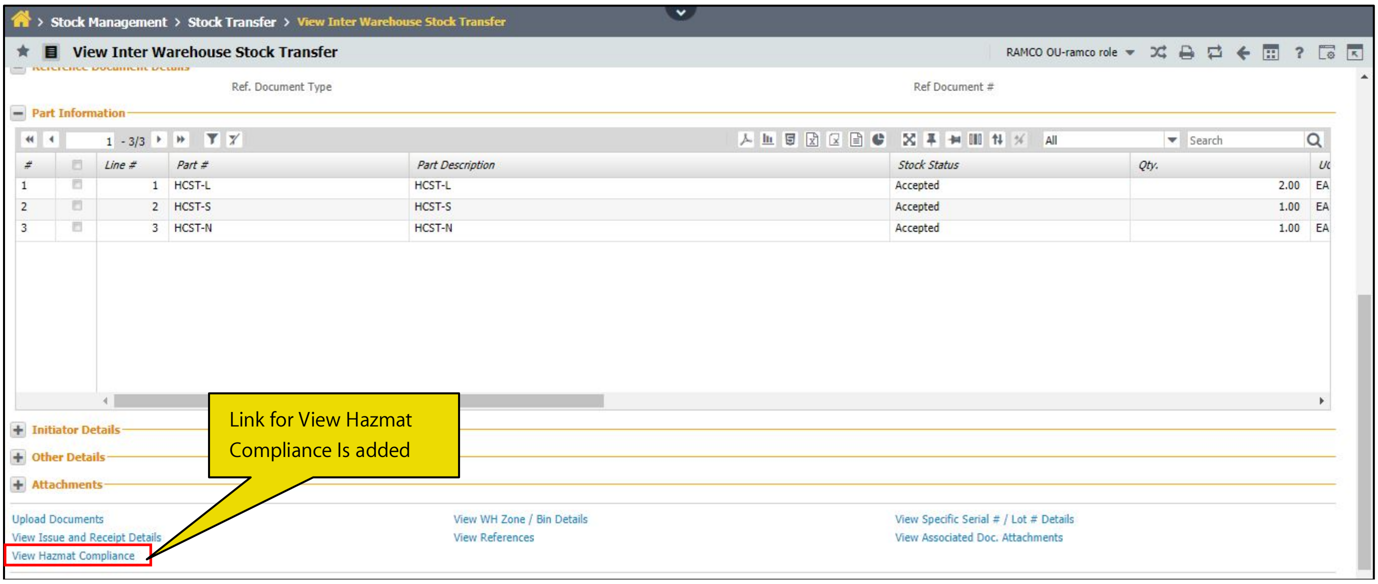


Exhibit 5: Identifies the Link in View Inter Warehouse Stock Transfer



WHAT'S NEW IN STOCK MAINTENANCE?

Ability to view stock in NHA/Kit in Inquire Material Count & Location screen

Reference: APRP-993

Background

Inquire Material Count and Location Information screen provides the complete visibility of a Part's availability. However, if the Part is attached to an NHA which is available in stock or if the Part is a part of a Built kit available in stock, the availability is not displayed in the screen.

Business need is to have this displayed, as the decision of using the available quantity by removing the part from the Assembly/Kit can be evaluated considering the various business requirements.

Change Details

In **Inquire Material Count and Location Information** screen, a new column "In NHA/Kit" is added in the multiline. n click of Get Details, this column will display the sum of the Available quantity for the Part attached in an NHA and the quantity available in a Built Kit, which is available in stock.

In the **View Quantity Breakup Details** pop-up screen, the columns NHA Part #, NHA Serial #, Kit Part #, Kit Serial #, Kit Lot #, Kit Mfr. Serial #, Kit Mfr. Lot # and Build Kit # are added to display the details of the NHA and/or Kit Part-Serial # in which the inquired part is available.

Note: In case the NHA Part of the Inquire Part is attached to another Higher assembly, then such quantity shall not be included in arriving the 'In NHA/Kit' quantity.

Exhibit 1: Identifies the new column addition in **Inquire Material count and Location Information** screen

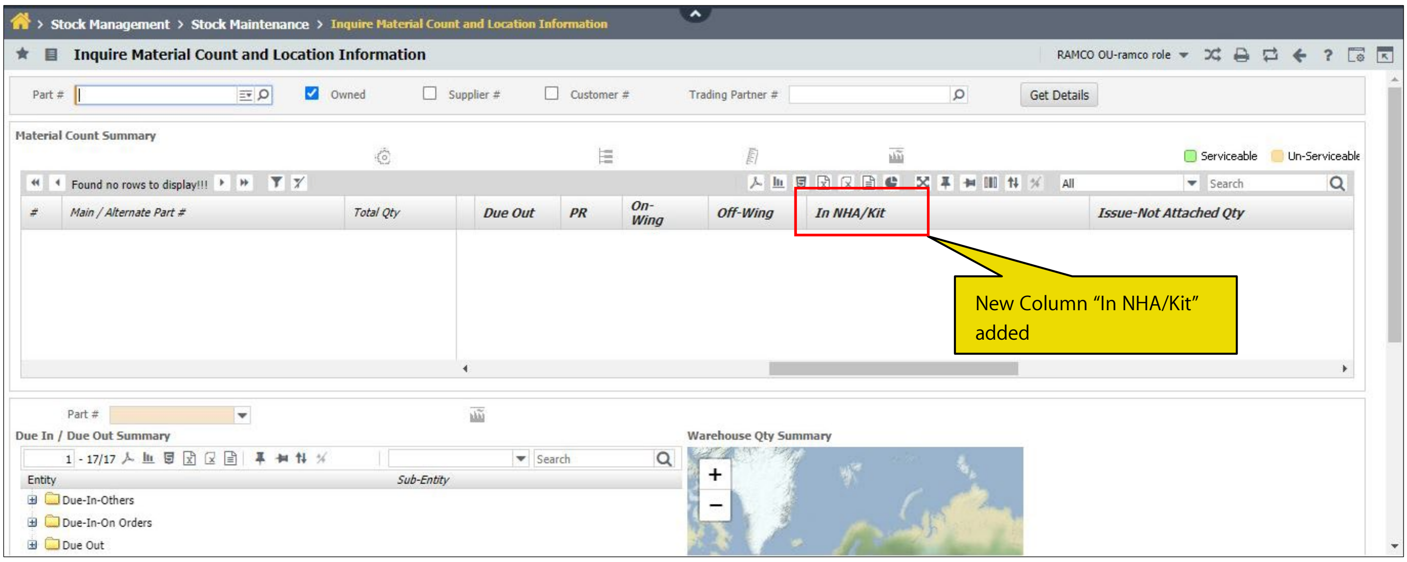
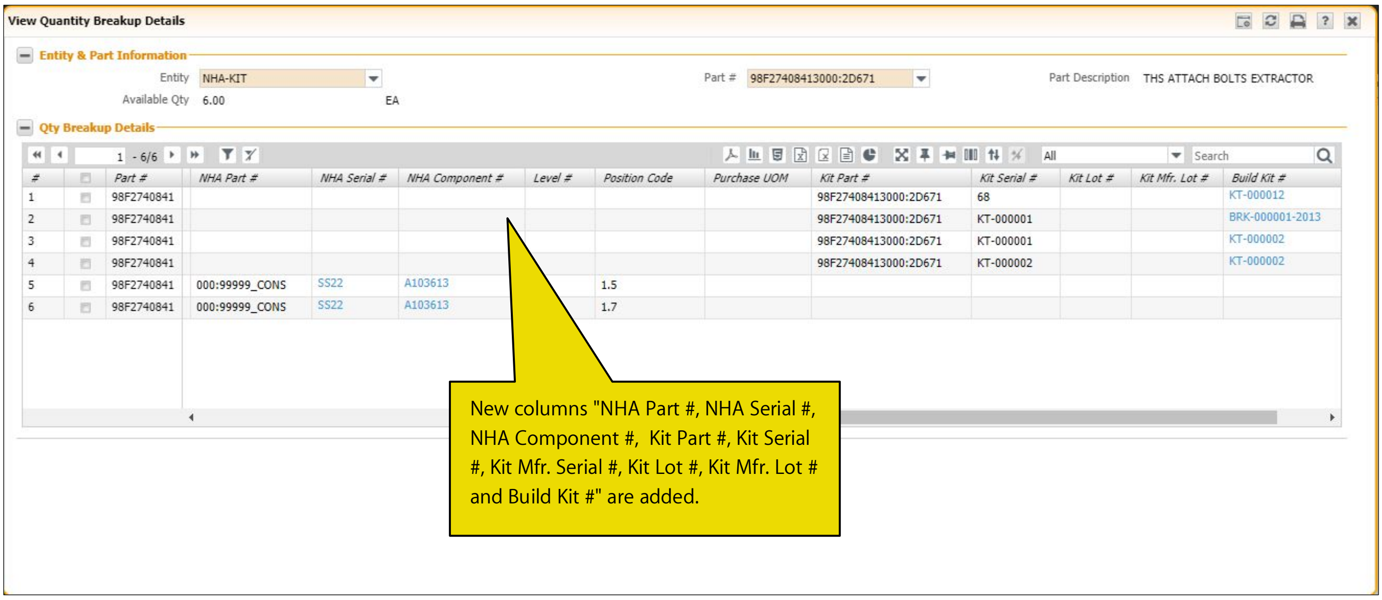


Exhibit 2: Identifies the new columns in the **View Breakup Quantity Details** screen



WHAT'S NEW IN STOCK ISSUE?

Ability to view Serial/Lot # for all the Parts in Create/Edit/View Issue

Reference: APRP-992

Background

Currently, Storage Information in an issue can be validated line by line. Business need is to have the provision to review the details of Storage information across all lines in a single step.

Change Details

- In the **Edit Storage Information** and **View Storage Information** screens, the Part Line # details will be moved to the Storage Information multiline, so that the details can be reviewed/modified across all Part Lines in one instance.
- In the **Edit Storage Information** and **View Storage Information** screens, Line # combo is loaded with "All", on click of "Get Details", Part-Serial-Lot Details in the issue document will be displayed in the Multiline.
- New columns are added in the multiline are "Line # and Part #" in both **Edit Storage Information** and **View Storage Information** screens.

Exhibit 1: Identifies the New Column and combo Addition in Edit Storage information

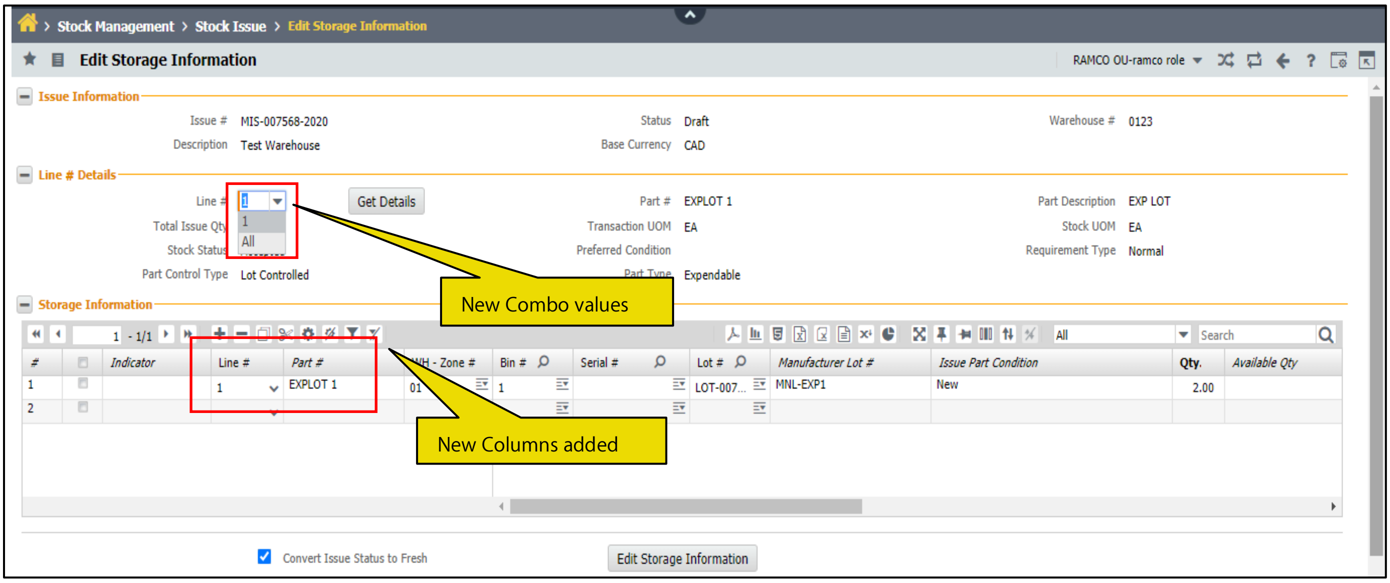
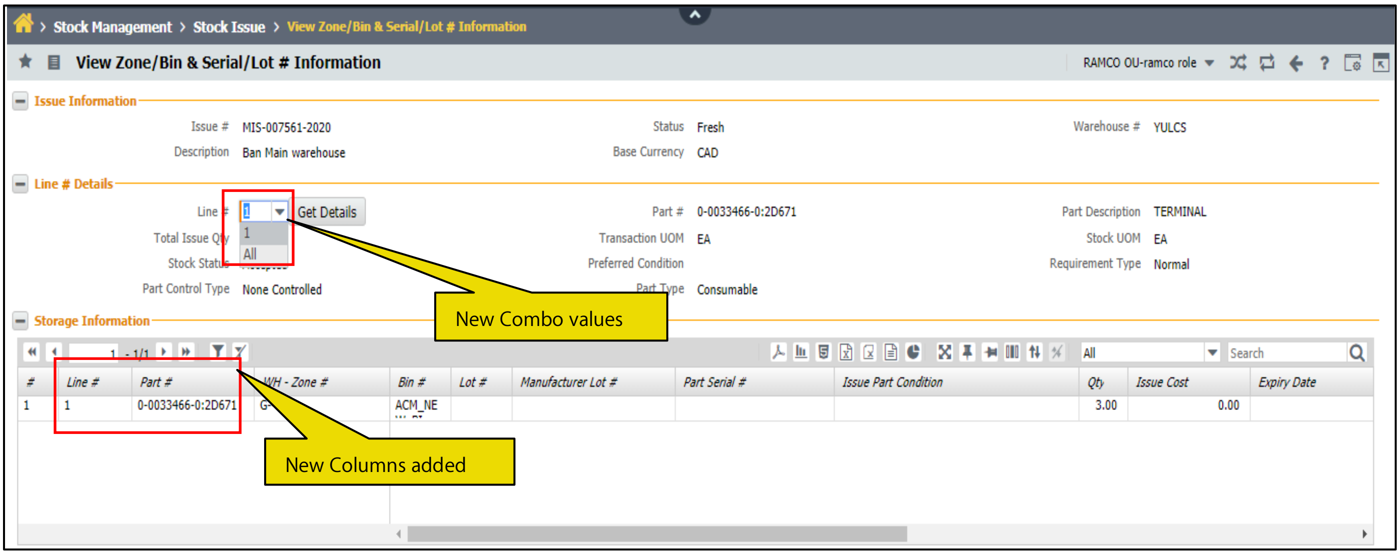


Exhibit 2: Identifies the new column and combo addition in **View Storage Information** screen



WHAT'S NEW IN GOODS INWARD?

Ability to have visibility to PTDR information in Help on Receipt in Goods Inward

Reference: APRP-1323

Background

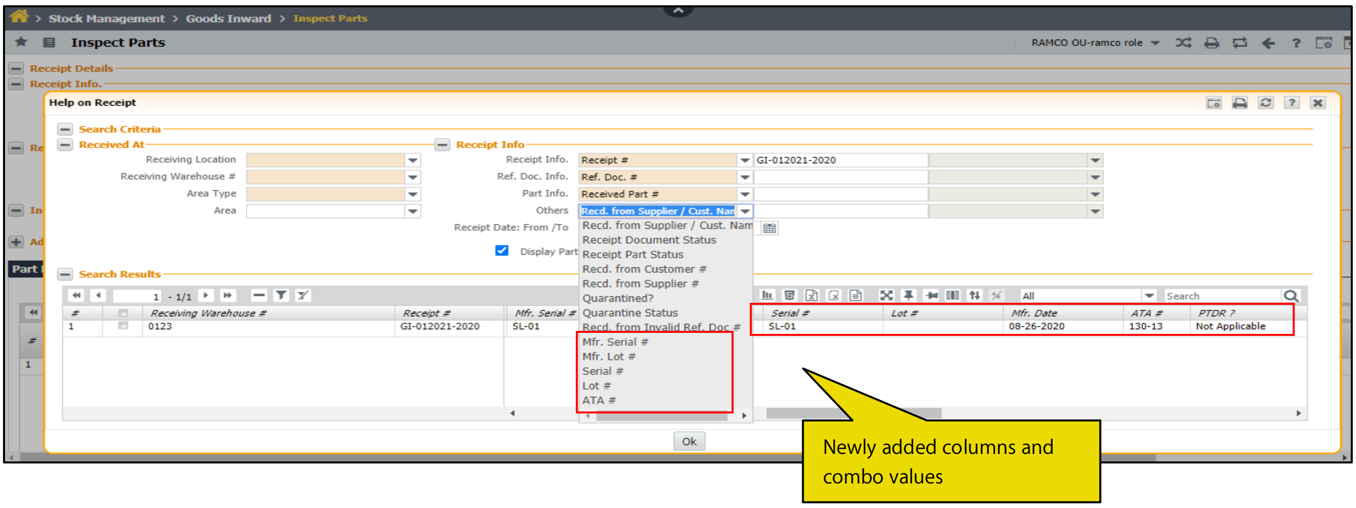
This enhancement provides the visibility of the PTDR, ATA#, and other part attributes in the Help on receipt. In many MRO organization inspector will be different for the different ATA #. Currently this information is visible in document only. This enhancement provides enables the Inspector to view/filter the receipt based on the ATA # and other part attributes in the Help on Receipt itself.

Change Details

In the **Help on Receipt** screen in **Goods Inward** business component, the following changes are done:

- In the 'Part Info' drop-down list box, the value **Mfr. Serial #** and **Mfr. Lot #** will be removed.
- In the 'Others' drop-down list box, new value "**Mfr. Serial # , Mfr. Lot #, Serial # ,Lot #** and **ATA #"** will be loaded.
- New columns **"Serial #","Lot #", "Mfr. Date", "ATA #","PTDR ?",** will be added in the search multiline.(Note: Values in these columns are displayed only if "Display Part" check box is enabled. PTDR information will be fetched from the Part Info.).

Exhibit 1: Identifies the **Help on Receipt** screen.



Ability to identify mandatory PTDR across customers and other enhancements

Reference: APRP-1318

Background

Currently, basic Customer Detail fields are not available in the Customer Goods Receipt and Repair Receipt Screen. Business need is to identify Mandatory PTDR across customers and other enhancements.

Change Details

New columns have been added in **Record Part Technical Data** screen for the Customer Related details. Collaborator Link is added in the PTDR screen.

A new change in Goods Inward screen is that the "Return As Is" column in 'Work Requested' tab will be shifted to 'Serial/Lot Details' tab to record "Return As Is" for Repair Receipt and Customer Goods Receipt.

Exhibit 1: Identifies the new column addition in **Record Part Technical data** Screen

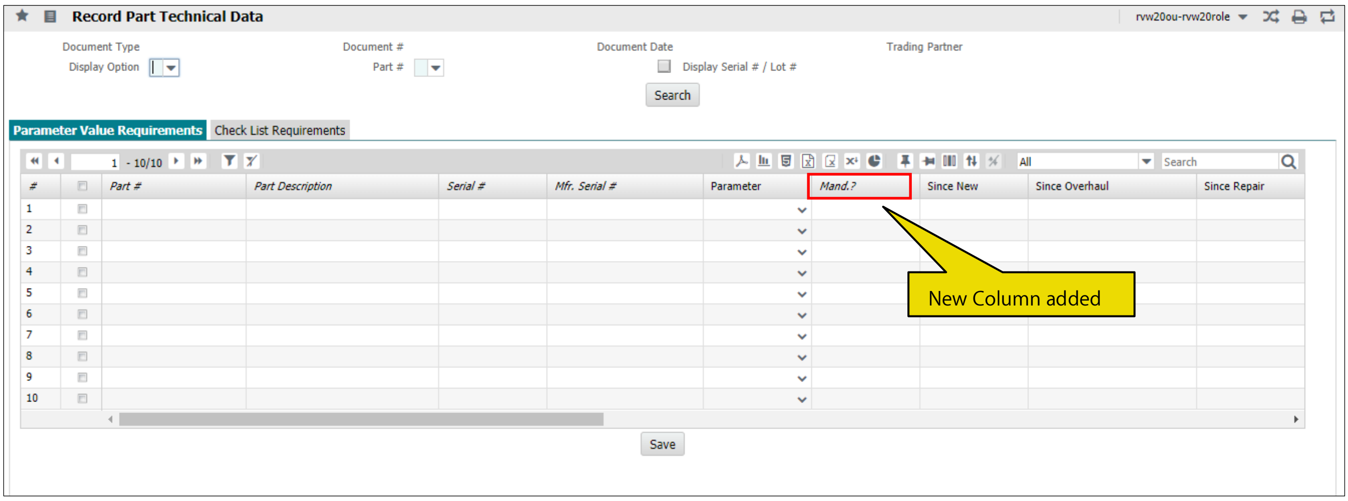


Exhibit 2: Identifies the new column addition in **Record Part Technical data** Screen

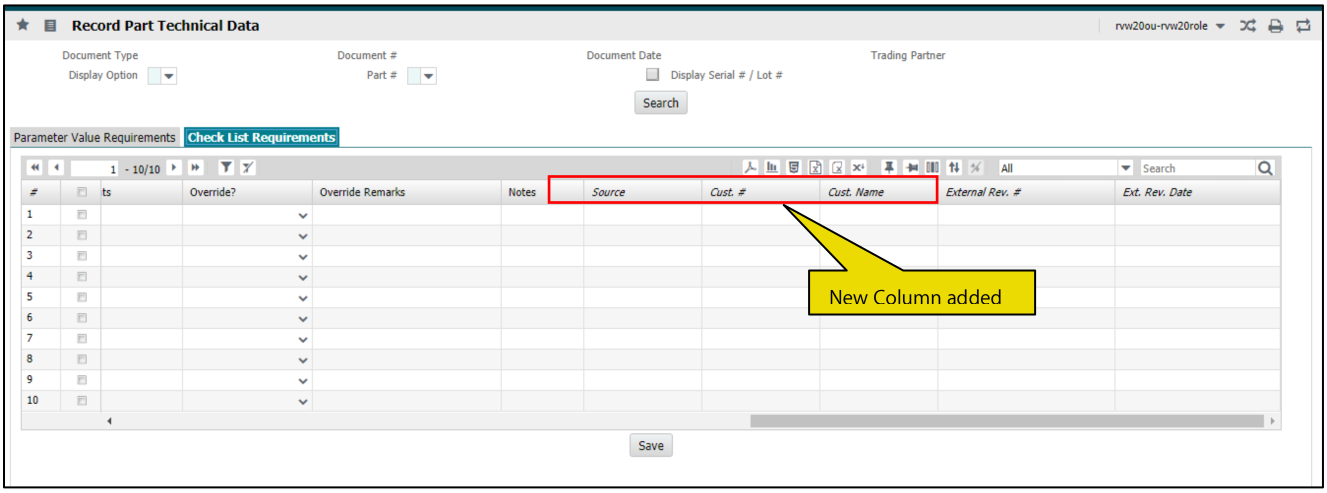
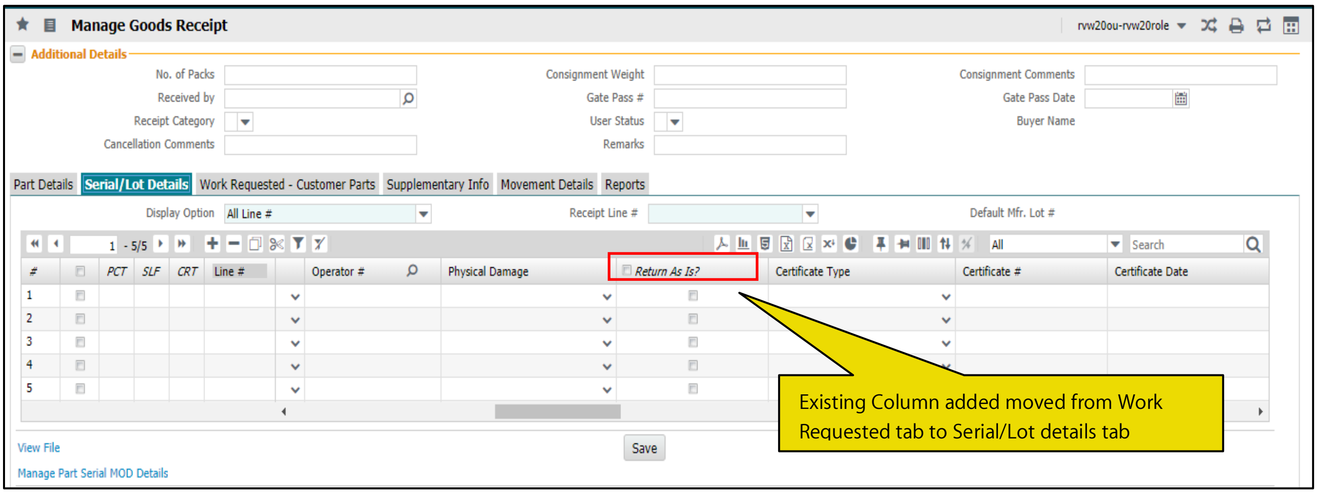


Exhibit 3: Identifies thenew column addition in **Record Part Technical data** Screen



WHAT'S NEW IN ADVANCE SHIPPING NOTE?

Ability to link ASN line to a PO Line and display additional info during View PO/ASN

Reference: APRP-1257

Background

Currently whenever the advance shipping note/Invoice is created against the purchase order, Purchase manager do not have the track of the advance shipping note/Invoice available for the Purchase order in the Purchase order component. To track this, the Purchase manager has to check Advance Shipping Note/Invoice separately for the Purchase order reference.

In this enhancement, Purchase manager can view the ASN/Invoice Qty raised against the Purchase order. Also, the Advance shipping note can be created at Reference document line level.

Change Details

<u>Purchase Order</u>

In the **View Purchase Order** screen. under the **Item Detail** multiline, few display only columns "ASN Qty", "Invoice Qty" and "EDI Status" are added.

1) In the "ASN QTY" column, tem displays the Qty as "Qty in Transit" from the **Advance Shipping Note** business component for Purchase order – Line # combination in Advance Shipping Note.

2) In the "Invoice Qty" column, system displays the Qty as "Invoice Qty" from the Supplier Order Based Invoice for the Purchase order – Line # combination in Invoice.(Other than deleted &Reversed status, show invoice Qty in the PO).

<u>Advance Shipping Note</u>

1) A new editable column "Ref. Doc Line #" is added in the Part list Multiline of the **Create/Edit Advance Shipping Note** screen.
2) A new display only column "Ref. Doc Line #" is added in the Part list Multiline of the **View Advance Shipping Note** screen.
3) The Links 'View Part Info' is added in the link section **Create/Edit/View Advance Shipping Note** screen.
4) In the entry page of the **Edit/View Advance Shipping Note** screen.
    a. In the Search criteria section, new check box "View Part info" is added.

    b. In the Multiline: Ref Doc #, Ref Doc Type, Way Bill #, Way Bill Date, Part #, PartDescription, Qty in Transit, UOM, Mfr. Serial #, Mfr. Lot # and Part Details are added.

Exhibit 1: Identifies the **ASN Qty and Invoice Qty**

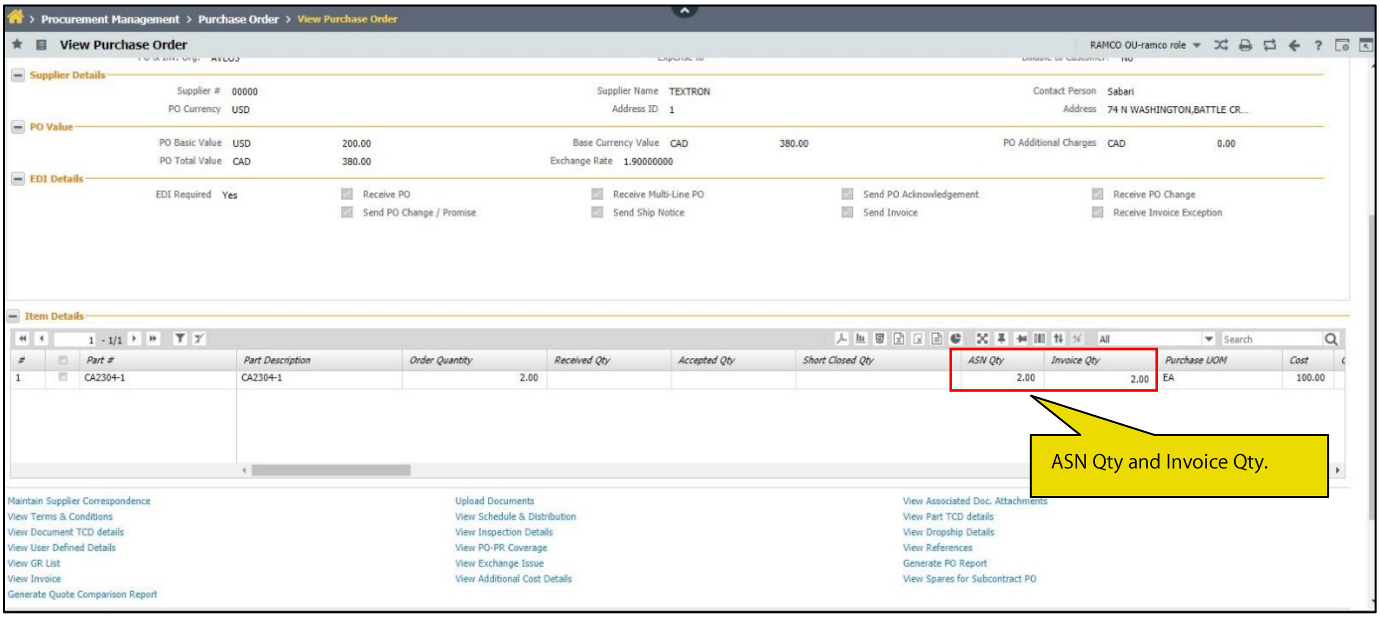


Exhibit 2: Identifies the ASN part Details

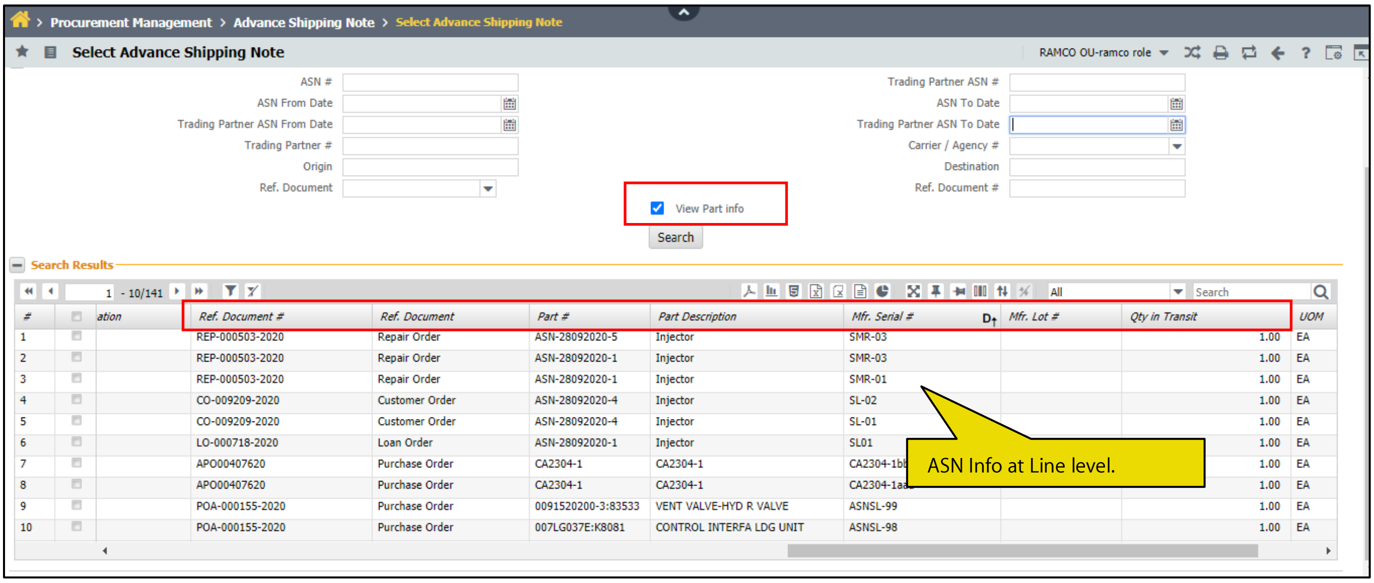
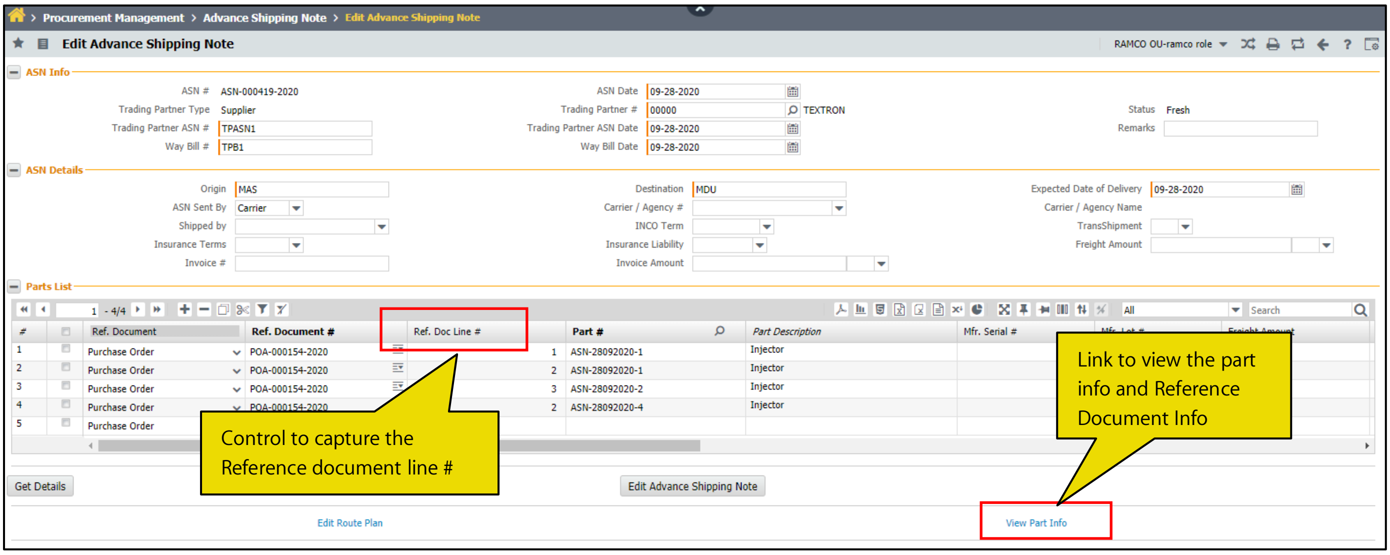


Exhibit 3: Identifies the **new controls** in **Edit Advance Shipping Note** screen



WHAT'S NEW IN RELEASE SLIP?

Ability to identify EDI requirements for a Release Slip

Reference: APRP-990

Background

EDI is a technique through which the Buyers and sellers are well connected to avoid manual intervention in the order communications. There are various interfaces through which the EDI messages could be transmitted and AeroXchange is a business leader in this area. Ramco, with integrations with AeroXchange provides a powerful interface to manage Purchase Orders and Repair Orders.

Business need is to manage Release Slip documents, which is similar to Purchase Orders through the EDI messages.

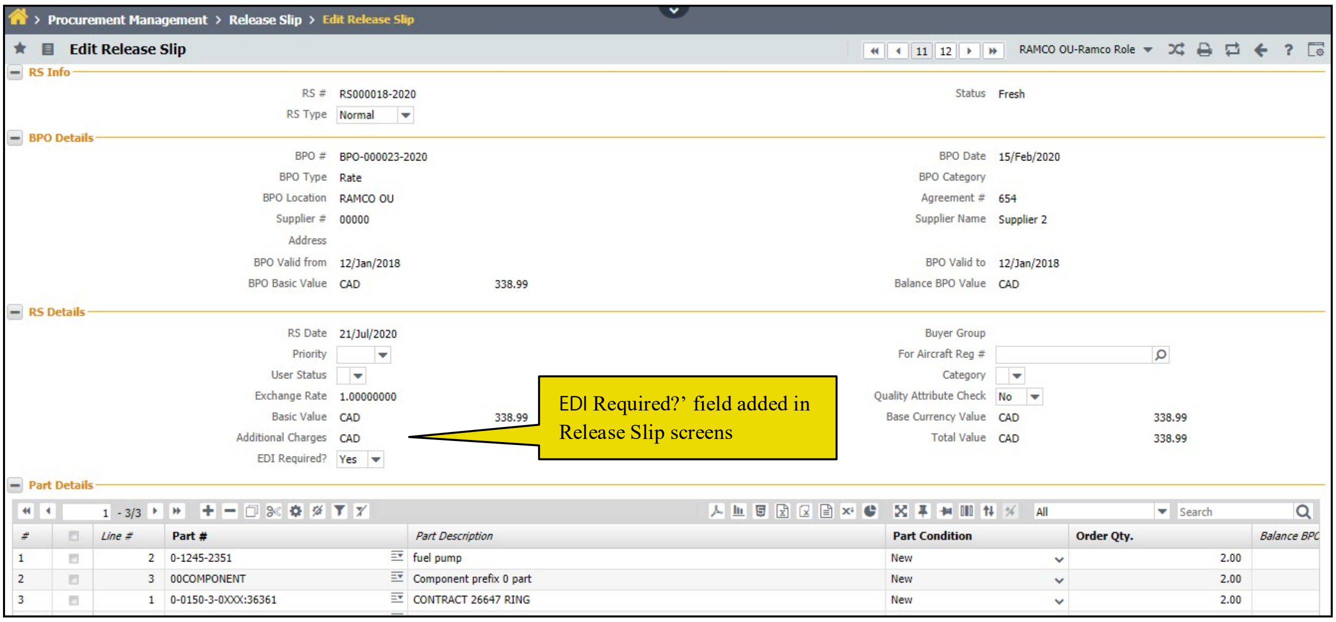
Change Details

In the Manage Additional Options screen in Supplier business component, the following options are added to govern the definition of EDI message transmission, under the Category "EDI Capabilities - Release Slip".

- Receive Release Slip
- Receive Release Slip change
- Receive Multi-Line Release Slip
- Send Release Slip Change/Promise
- Send Release Slip Acknowledgement
- Send Ship Notice
- Send Invoice
- Receive Invoice Exception

In the Create Release Slip, Edit Release Slip, Amend Release Slip and View Release Slip screens, a new control "EDI Required?" is added to facilitate identification of EDI Requirement for the given Release Slip document. The value in this control will be defaulted with 'Yes', if any one of the parameter is set as 'Yes' in the Supplier master.

Exhibit 1: Identifies the 'EDI Required?' control in Release Slip



WHAT'S NEW IN SUPPLIER?

Ability to validate part supplier mapping in RFQ/Quotation/PO/RO for specific suppliers

Reference: APRP-1255

Background

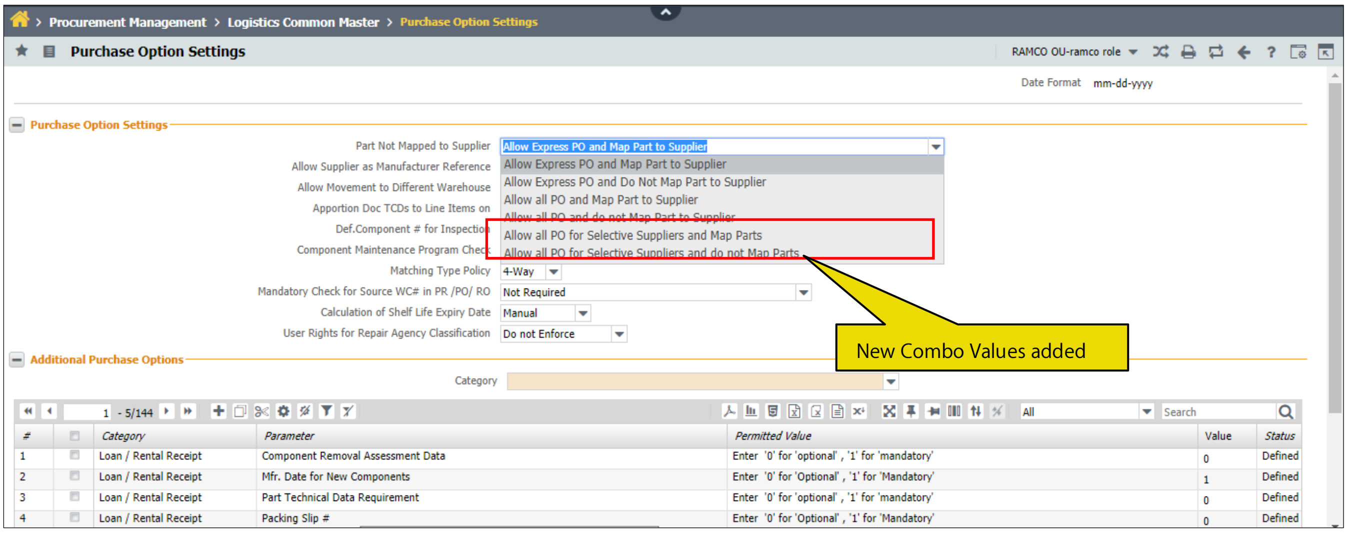
Currently, all Types Purchase Orders or Express Purchase Orders alone can be validated to check for Part-Supplier mapping. Similarly, all the repair orders can be validated for Part-Service-Repair Shop mapping. Major suppliers in general offer all services and so having this validation for them will not be essential.

Business need is to have this validation handled only for specific Suppliers in Purchase Orders, Repair Orders and RFQ. Option settings will be added in Supplier master to identify the suppliers for whom the Part-Supplier mapping is not mandatory for generating Purchase Order and Repair Order. Based on these options, Purchase Order/Repair Order will not validate Part-Supplier mapping.

Change Details

1. New combo values '**Allow all PO for Selective Suppliers and Map Parts'** and **'Allow all PO for Selective Suppliers and do not Map Parts**' are added under 'Part not Mapped to Supplier' Parameter, in **Purchase Option Settings** screen of the **Logistics Common Master** business component.
2. A New set option **"Part-Supplier mapping availability for Purchase Orders?"** is added under **"Others"** Category in **Manage Additional Options Screen** in the **Supplier** business component with the Permitted Values as '0' for 'Optional', '1' for 'Mandatory'.
    - If the set option is set as "Optional", then Part-Supplier mapping will not be validated when PO is raised for the given supplier, if the option 'Part not Mapped to Supplier' is defined as "Allow all PO for Selective Suppliers and Map Parts" or "Allow all PO for Selective Suppliers and do not Map Parts".
    - If the set option is set as "Mandatory", then Part-Supplier mapping will be validated when PO is raised for the given supplier, if the option 'Part not Mapped to Supplier' is defined as "Allow all PO for Selective Suppliers and Map Parts" or "Allow all PO for Selective Suppliers and do not Map Parts".

Exhibit 1: Identifies the new combo values in **Purchase Option Settings** screen



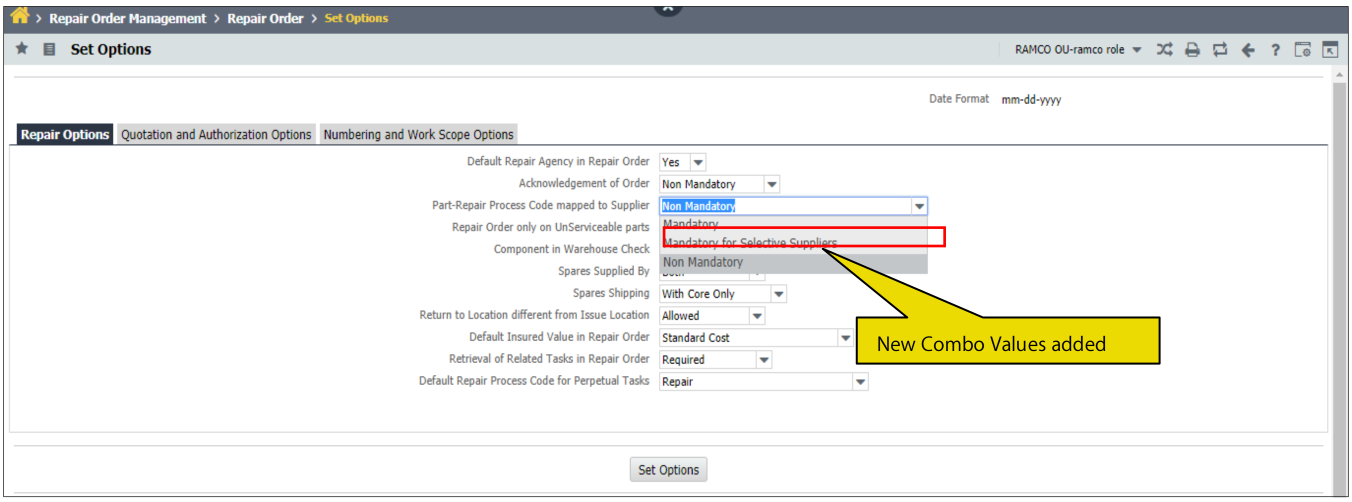
3. A New combo value '**Mandatory for Selective Suppliers**' is added under 'Part-Repair Process Code mapped to Supplier' Parameter, in **Set Option** screen of the **Repair Order** business component.

4. A New set option **"Part-Repair Process Code-Supplier mapping availability for Repair Orders?"** is added under "Others" Category in **Manage Additional Options Screen** in the **Supplier** component with the Permitted Values as '0' for 'Optional', '1' for 'Mandatory'.

   - If the set option is set as "Optional", then Part-Repair Process Code-Supplier mapping will not be validated when RO is raised for the given supplier, if the option 'Part-Repair Process Code mapped to Supplier' is defined as "Mandatory for Selective Suppliers".

   - If the set option is set as "Mandatory", then Part-Repair Process Code-Supplier mapping will be validated when RO is raised for the given supplier, if the option 'Part-Repair Process Code mapped to Supplier' is defined as "Mandatory for Selective Suppliers" or "Mandatory".

Exhibit 2: Identifies the new combo value in **Set Options** screen in **Repair Order** component



5. A new set option "**Part-Supplier mapping availability for RFQ?**" is added under "Others" Category in

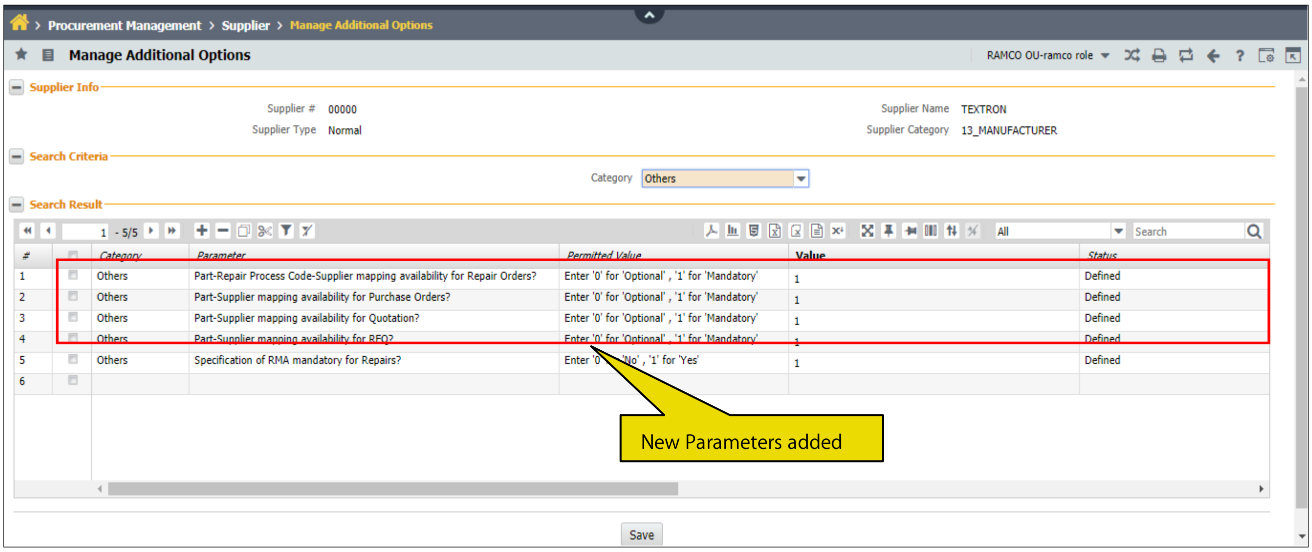
Manage Additional Options screen in the **Supplier** component with the Permitted Values as '0' for 'Optional', '1' for 'Mandatory'.

- If the set option is set as "Optional", then Part-Supplier mapping will not be validated when RFQ is raised for the given supplier.
- If the set option is set as "Mandatory", then Part-Supplier mapping will be validated when RFQ is raised for the given supplier.

6. A new set option "**Part-Supplier mapping availability for Quotation?**" is added under "Others" Category in **Manage Additional Options Screen** in the **Supplier** Component with the Permitted Values as '0' for 'Optional', '1' for 'Mandatory'.

   - If the set option is set as "Optional", then Part-Supplier mapping will not be validated when Quotation is raised for the given supplier.
   - If the set option is set as "Mandatory", then Part-Supplier mapping will be validated when Quotation is raised for the given supplier.

Exhibit 3: Identifies the Option Setting in **Manage Additional Options** screen



WHAT'S NEW IN REPAIR ORDER?

Ability to restrict Repair Order processing based on Buyer Group-Document Attributes mapping

Reference: APRP-1156

Background

Buyer Group can be mapped to Repair Order attributes such as the Repair Shop #, Repair Order Class and Customer # whose item is being sent for repair, in order to establish user control in the Repair Order. Business need is to have validations in the Repair Order creation/modification based on this mapping and also have automatic repair orders generated based on this mapping.

Change Details

If Buyer Control is set as 'Required' for Repair orders, whenever automatic Repair Order is generated, Buyer Group will be defaulted in the Repair Order based on the Supplier # on which the Repair Order is generated. If a customer owned item is sent for Repair, the Customer # - Buyer Group mapping will also be considered. In case, if the same Supplier/Customer is mapped to multiple Buyer Groups, then the Buyer Group will be defaulted as blank in the Repair Order.

Also, validations are added in the Create Repair Order, Edit Repair Order and Manage Repair Quote screens to ensure that the Buyer Group mapping is available for the Repair Shop/Customer whose part is sent for repair.

Ability to default Receipt Warehouse based on Pool Definition

Reference: APSE-1021, APRP-1000

Background

In ITM organizations, the stock required to meet customer needs is generally maintained at Pool Level and Pool is the Collection of Warehouses. In this business model, the unserviceable unit received from the Customer, on exchange basis gets stocked in a common unserviceable Warehouse. However, post repair, it gets stocked in a serviceable warehouse which is a part of the respective pool from which the source part was issued. Business need is to default the Receipt Warehouse in the Repair Order based on the definition in Pool master.

Change Details

The provision to identify the Return Warehouse was already provided in the Manage Request/Return Warehouse screen linked in **Maintain Pool Information** screen. Set Options are added to control defaulting the same in the Repair Order.

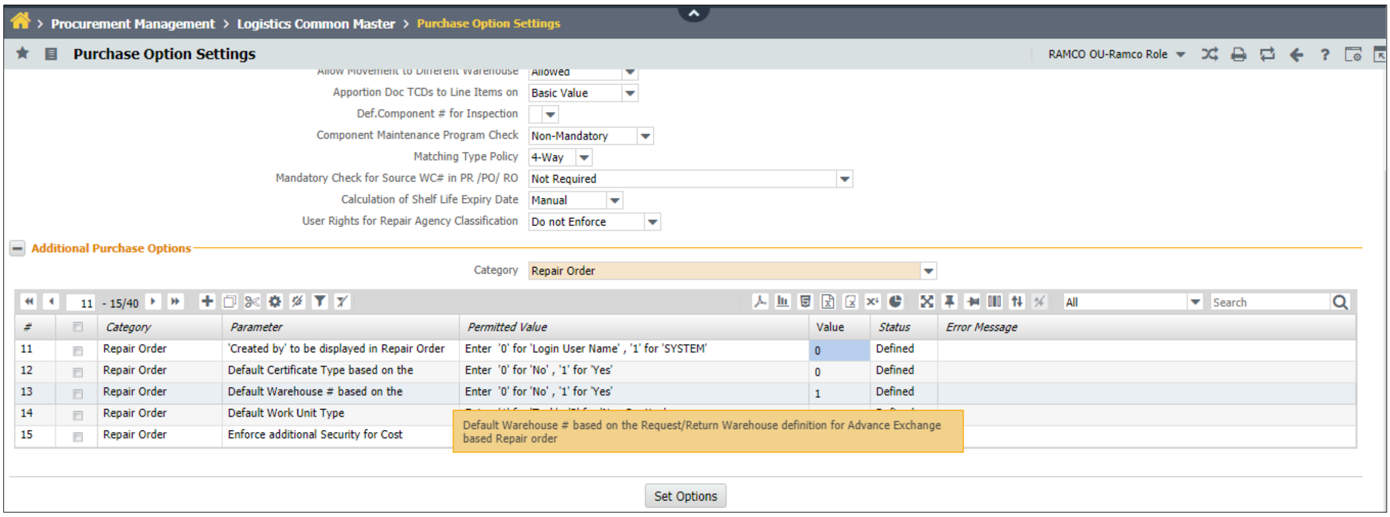
The new set options added under 'Repair Order' category, in **Purchase Option Settings** screen are listed below:

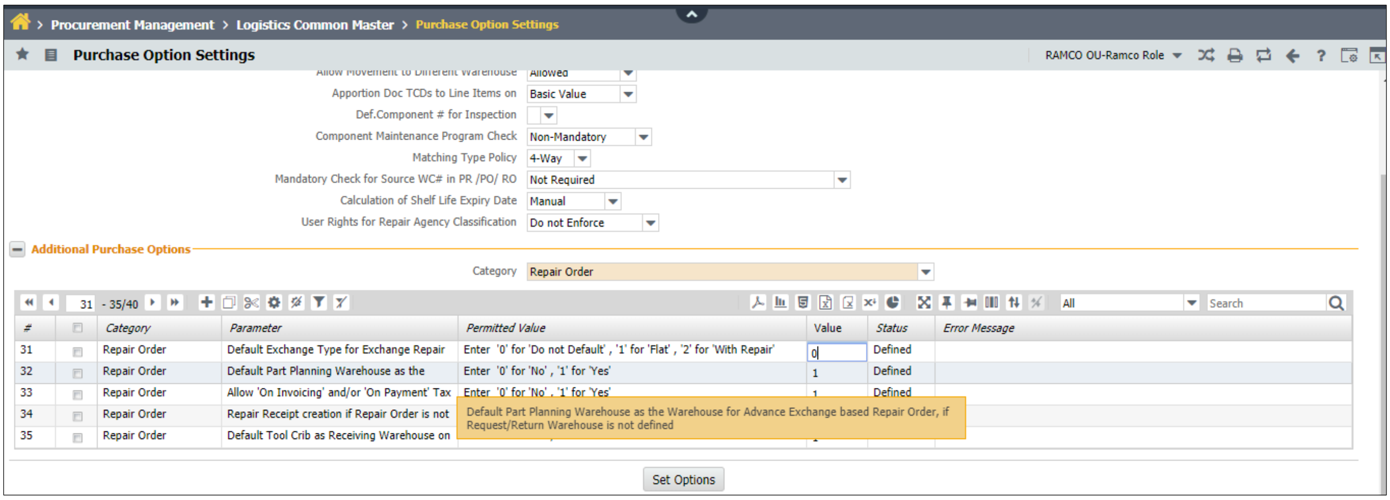
- Default Warehouse # based on the Request/Return Warehouse definition for Advance Exchange based Repair order.
- Default Part Planning Warehouse as the Warehouse for Advance Exchange based Repair Order, if Request/Return Warehouse is not defined.

If the value is defined as 'Yes' for the first option, Return to Warehouse which is defined in the Pool Master gets defaulted as 'To Warehouse #' in the Repair Order that is automatically generated for the Core item received on exchange basis from the customer.

If the Value is set as 'No' or if Pool definition does not have Return to Warehouse definition, then based on the second option, Warehouse will be defaulted with the one defined in the Maintain Planning Information screen for the Part.

Exhibit 1: Identifies the option settings in **Purchase Option Settings** screen





Ability to identify Task Level Inclusion/Exclusion evaluation based on Customer Contract

Reference: APRP-1325

Background

Business Models like Inventory Technical Management services get their MOD upgrades done for the components which they serve to their customers through an external repair vendor. MOD tasks are obtained as Service Bulletins from respective OEM either as a Mandatory task or a task which improves the reliability of the component.

The task level Inclusions and Exclusions evaluation for Repair Order is enabled through an option setting. Workscope level Information for the tasks added in Repair Order can be seen in the Invoice Release with respective pricing basis based on Inclusion/Exclusion.

Change Details

Repair Order

New columns and controls are added in the **Create Repair Order**, **Edit Repair Order**, **View Repair Order** and **Manage Repair Quote** screens.

Exhibit 1: New column and control addition in **Create Repair Order** screen

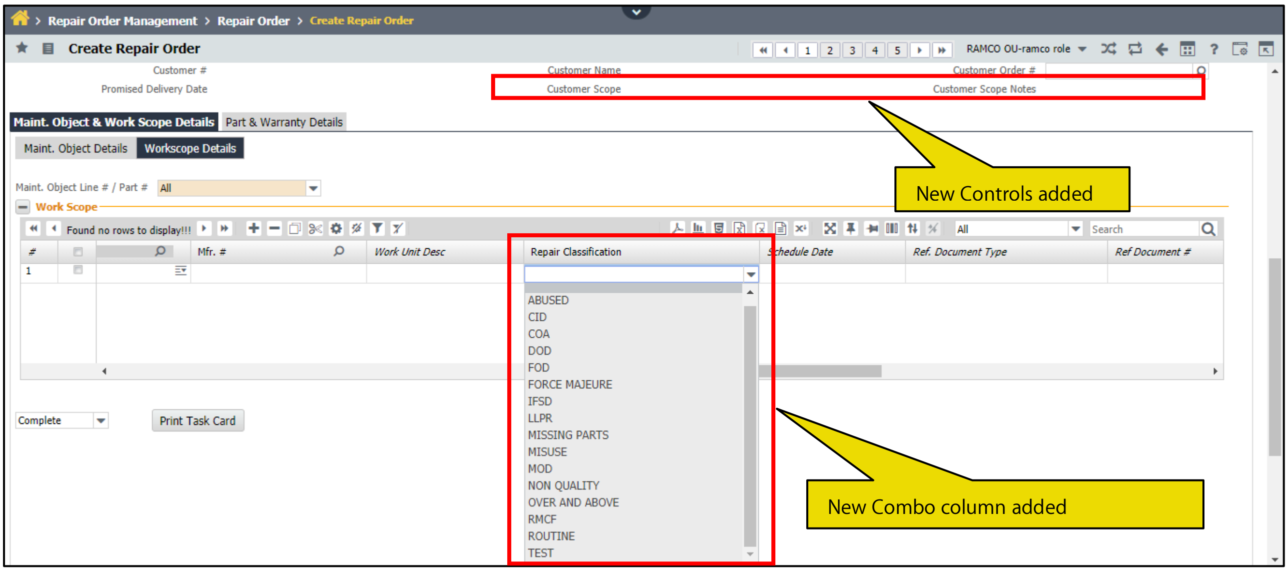


Exhibit 2: New Columns added in **Manage Repair Quote** screen

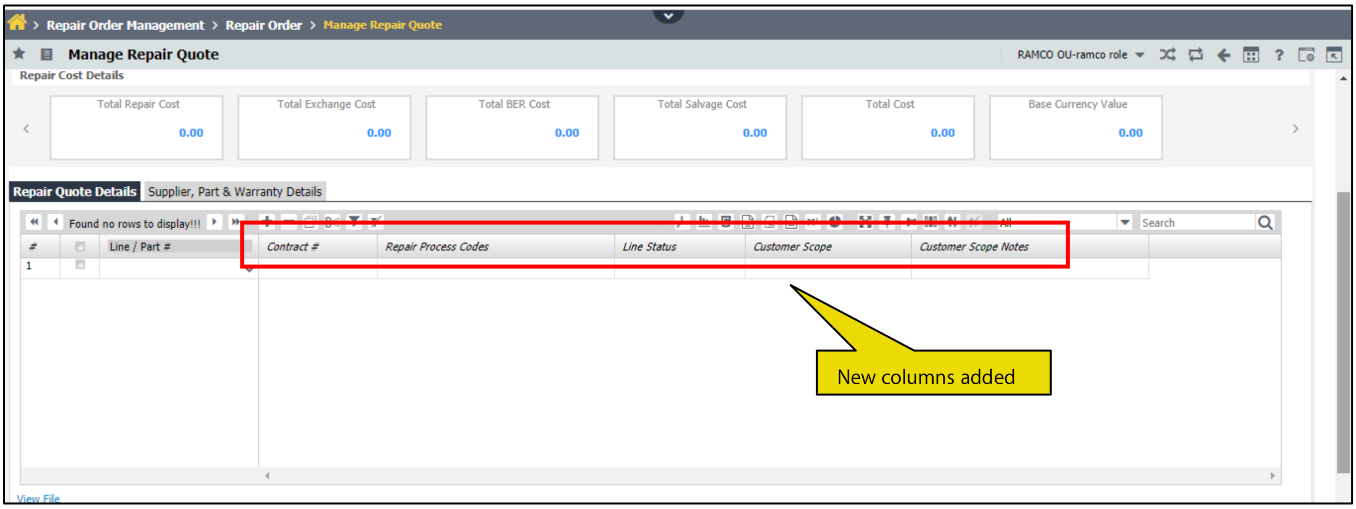
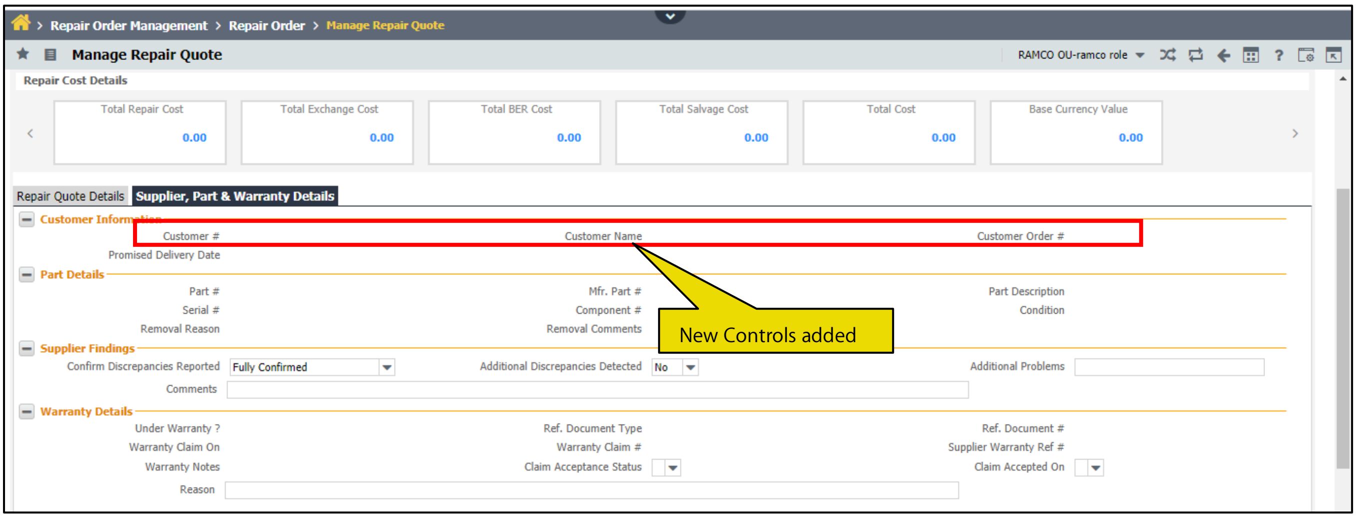


Exhibit 2: New controls added in **Manage Repair Quote** screen



WHAT'S NEW IN FACILITY MANAGEMENT?

Ability to view the current location of a Facility Object

Reference: APRP-979

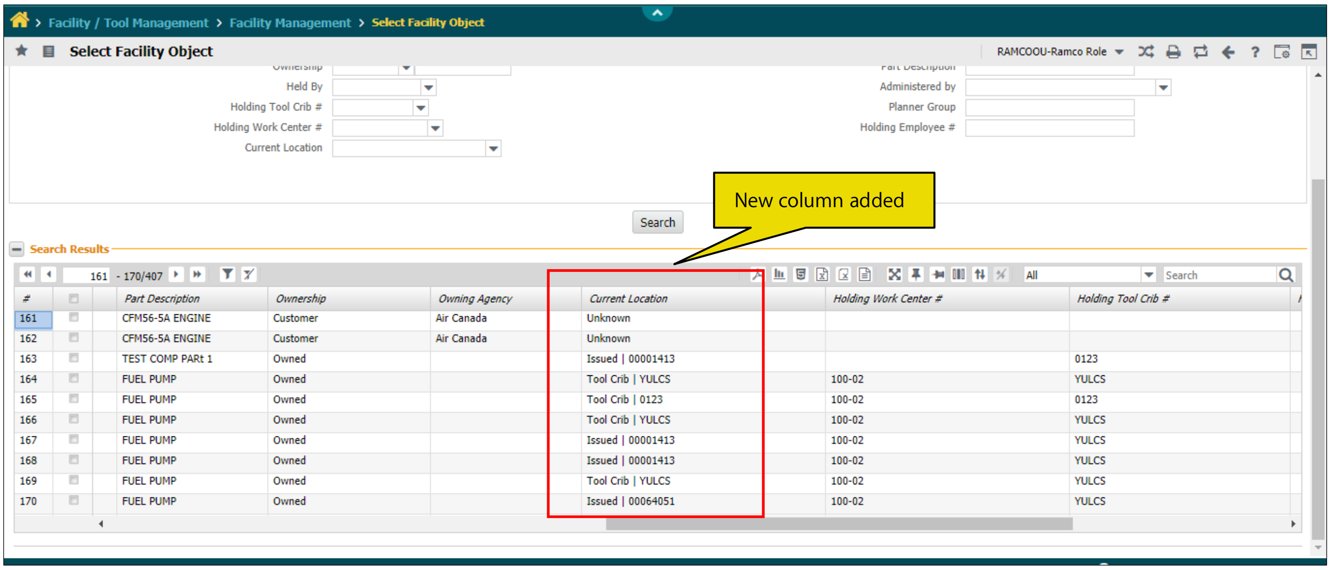
Background

Currently, even though a facility object is issued out, the 'Holding Tool Crib' still shows the Tool Crib # which results in confusion. Business need is to have a separate filed to display the current location of the respective facility object in different screens.

Change Details

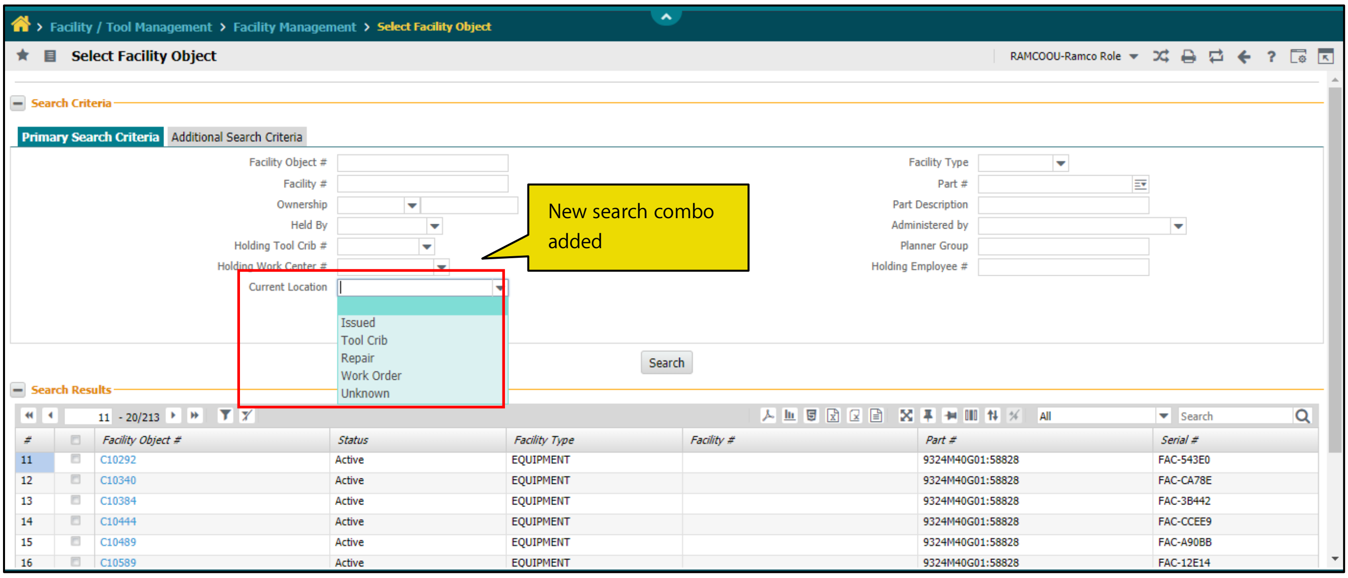
A New Column' Current Location' is added under in the Search Results grid, in **Select Facility Object** screen (**Edit Facility Object** and **View Facility Object** entry screens) of the **Facility Management** business component.

Exhibit 1: Identifies the new column in **Select Facility Object** screen



A new Search Criteria combo 'Current Location' is added in **Select Facility Object** screen (**Edit Facility Object** and **View Facility Object** entry screens) of the **Facility Management** business component.

Exhibit 2: Identifies the new combo in **Select Facility Object** screen



A new display only control 'Current Location' under 'Location Details' section of the **Edit Facility Object** and **View Facility Object Information** Screen under **Facility Management** business component.

Exhibit 3: Identifies the new display only field in **Edit Facility Object** screen under **Facility Management** component

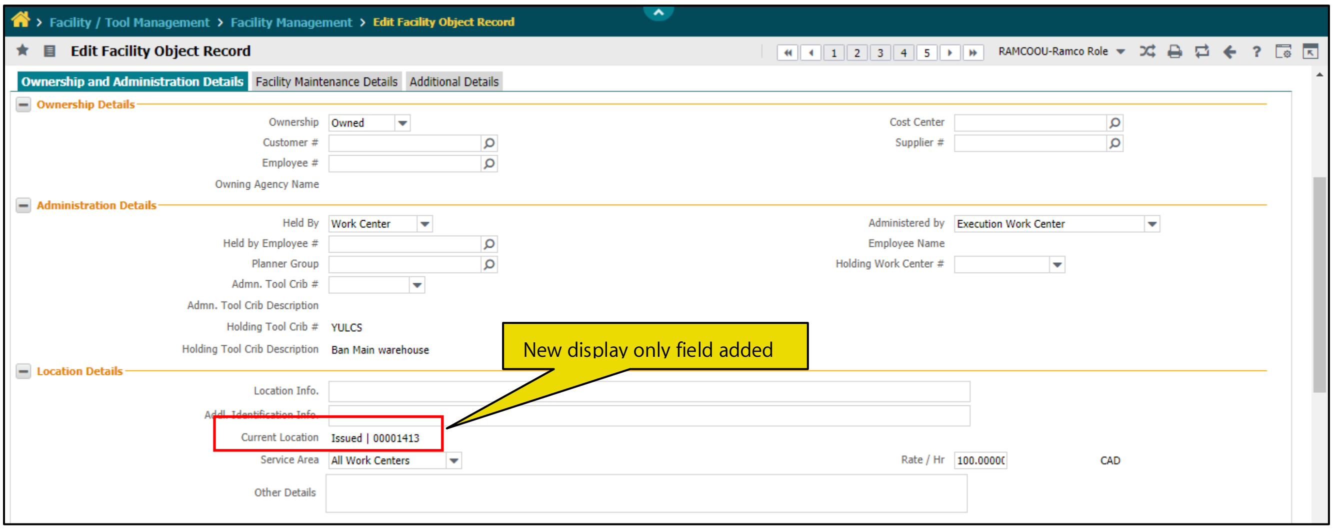
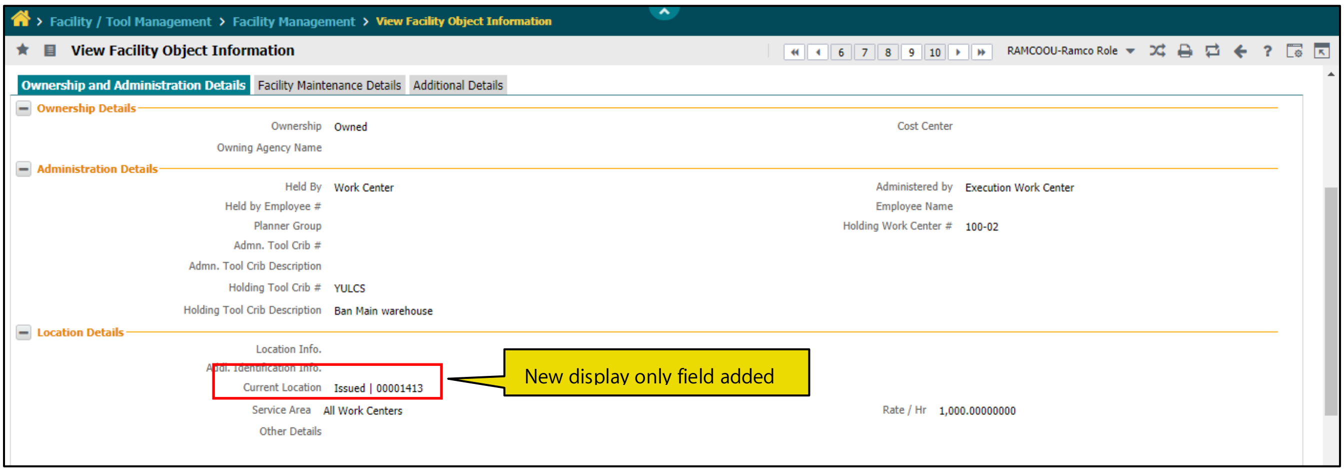


Exhibit 4: Identifies the new display only field in **View Facility Object Information** screen under **Facility Management** component



Based on the FOB# location the following will be shown:

- If the FOB# is issued to an employee: Issued | <Employee Name>
- If the FOB# is in stock: Tool Crib | <Tool crib#>
- If it is not in stock, neither issued out: Unknown or Held by: <Employee/Workcenter>
- If the FOB# is sent for External Repair: Repair | <Repair Order#>
- If the FOB# is sent for internal work order: Work Order | <SWO#>

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