RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.5

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WHAT'S NEW IN WAREHOUSE ANYWHERE APPLICATION?

Goods Receipt and Stock Transfer Receipt in Warehouse Anywhere app

Reference: AHBG-20734, AHBG-20736, AHBG-21054, AHBG-21061, AHBG-21106, AHBG-21129, AHBG-21159, AHBG-21172, AHBG-20664

Background

Warehouse operational efficiency is one of the key success factors in the aviation industry. The successful day-to-day functioning of an organization is characterized by the efficiency with which the huge amount of data-intensive transactions like Stock Receipts, Stock Issues, Stock Transfers, Stock Correction, Stock Returns, etc. is dealt on a daily basis. Warehouse Anywhere Application has been developed to help warehouse clerks to efficiently manage inventory operations with the help of a mobile. Business requirement is to enhance Warehouse Anywhere to support creation / modification / confirmation of Goods Receipts and Stock Transfer Receipts, in addition to the existing capabilities of managing Stock Issues, Stock Transfers, Correction, Inquiry and Cycle Counting.

Change Details

The enhancement provides the ability to create / modify / confirm the following receipts in Warehouse Anywhere application:

- Regular Purchase (Receipts against Purchase Orders/Release Slips)
- Repair Receipt
- Customer Goods Receipt
- Stock Transfer Receipt

In addition to the above main functions, the enhancement also supports the following functions:

- Quarantine / Rejection of Parts
- Supplementary Information Entry
- Work Requested Information Entry
- Hazmat Compliance Update

User can select the reference documents in the **Reference Doc List** page of the **Create Receipt** activity, and update the receipt details, part details, serial / lot details and review the entered details to create the receipt. Actions such as confirmation and cancellation can be done. The receipt details can be modified and confirmed using the **Manage Receipts** activity. Additional details like Quarantine information, Hazmat compliance update, work requested information can also be recorded.

The stock receipt feature consists of the below-mentioned user interfaces.

1. To Do List
2. Reference Doc List
3. Reference Doc Details
4. Create Receipt
5. Enter Part Details
6. Add Serial/Lot
7. Receipt List

8. Receipt Detail
9. Edit Receipt
10. Edit Part Detail
11. Edit Serial/Lot
12. Quarantine / Rejection
13. Enter Supplementary Info
14. Work Request

To Do List

To Do List is a screen which categorizes the pending transactions for a Warehouse Clerk, so that those transactions could be worked upon immediately and closed. The categories vary from transaction to transaction. Apart from the categories for the transactions, this screen also segregates the documents in which the login user has last worked and the other documents that are open in the Warehouse, so that the work initiated by the login user takes more precedence.

The Regular Purchase, Repair Receipts, Customer Goods Receipt and the Stock Transfer Receipts are grouped based on their statuses and quarantine/supplementary information entry as per the following logic and the count should be displayed:

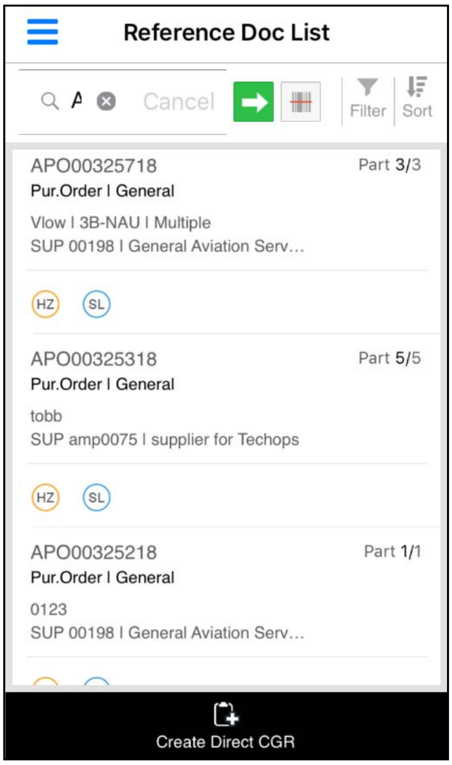
1. Pending Serial/Lot Entry - Count of RP, RR, CGR in pending serial/lot entry status with no Quarantine information available at Part level.
2. Pending Work Requested Entry - Count of CGR in Pending work requested entry status with no quarantine information available at part or serial/lot level.
3. Pending Quarantine Resolution - Count of RP, RR, CGR, STR in which Quarantine check-box is selected for at least one record (at part level or serial/lot level or work requested level for GI receipts)
4. Pending Supp. Information - Count of RP, RR, CGR, STR in which supplementary information entry is mandatory but value is not entered
5. Pending Receipt Confirmation - Count of RP, RR, CGR which are in Pending Receipt Confirmation status with completed supplementary information entry and no open quarantined records + Count of STRs in Fresh status with completed supplementary information entry and no open quarantined records
6. All Receipts – Count of the documents in categories Pending Serial/Lot Entry, Pending Work Requested Entry, Pending Quarantine Resolution, Pending Supp. Information and Pending Receipt Confirmation.

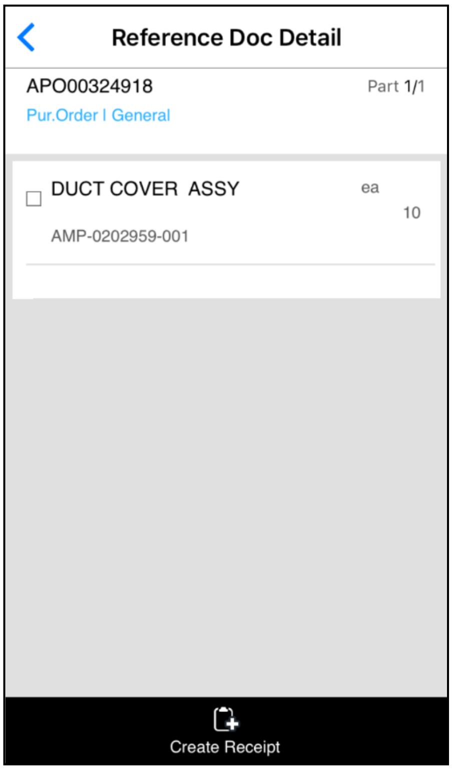
STOCK RECEIPT CREATION / CONFIRMATION

Reference Doc List & Reference Doc Details

The **Reference Doc List** screen can be launched on selecting the **Create Receipt** activity after logging into the Warehouse App. The document against which the parts are received can be retrieved by using the search bar available. The document can be retrieved either by typing the document number itself or the Way Bill # (if ASN is recorded already using the Way Bill). On selecting the reference document, the **Reference Doc Detail** screen displays the details of the parts available in the selected document for which receipt creation is pending. The parts that are received currently can be selected from the list and the Create Receipt button in the bottom bar can be clicked to enter the Receipt information like Pack Slip, Way Bill, etc.

Exhibit 1: Identifies the **Reference Doc List & Reference Doc Detail** screens

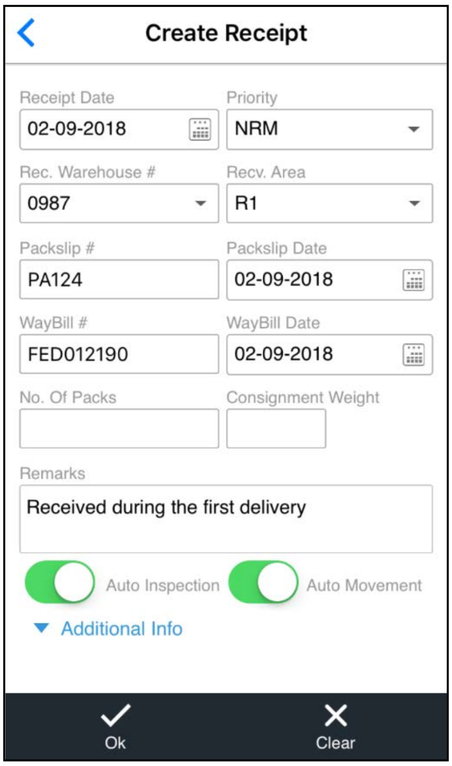


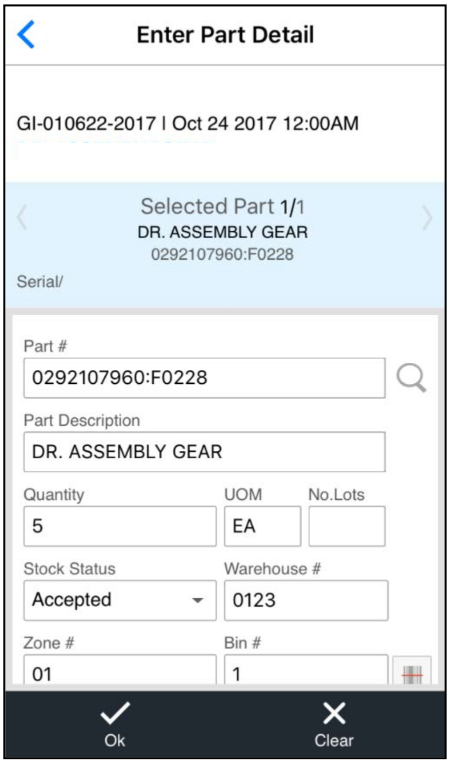


Create Receipt

The **Create Receipt** screen can be launched on selecting the parts in the **Reference Doc Detail** screen and tap of 'Create Receipt'. You can record receipt details for documents like GR, RR, CGR and STR and enter part details in **Edit Part Details** screen. Once the details of all the parts received are entered, on save the system generates the Receipt #.

Exhibit 2: Identifies the **Create Receipt & Enter Part Detail** screen

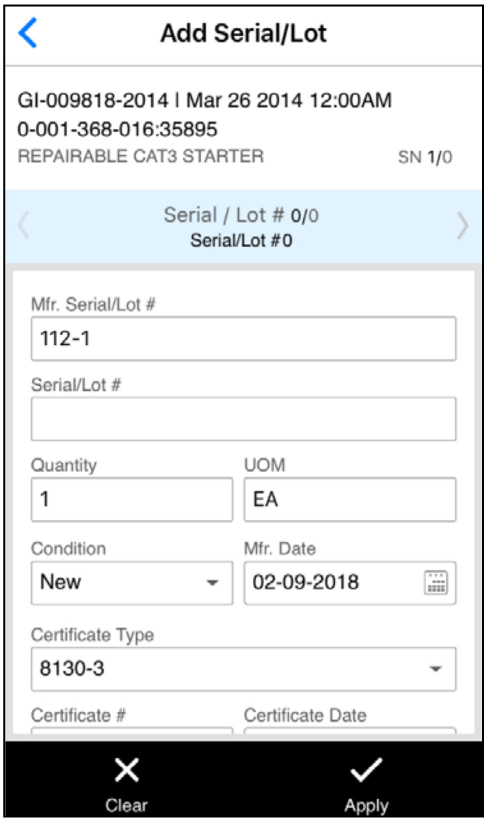




Update Serial / Lot Information

On generating the receipt, a success message pop-up is displayed with the possible subsequent actions from which a desired action can be selected. Tap on 'Update Serial / Lot Details' to launch the **Add Serial / Lot** screen. You can update the Serial / Lot information and enter additional details of Serial / Lot.

Exhibit 3: Identifies the **Add Serial / Lot** screen



Review & Confirm Receipt

The **Receipt Detail** screen allows the user to review the part details and Serial / Lot details and confirm the receipt. User can confirm the document by using the 'Confirm' option available in the footer. Click of Hazmat option will launch the Hazmat compliance pop-up where the compliance can be recorded. On click of more will provide the following options.

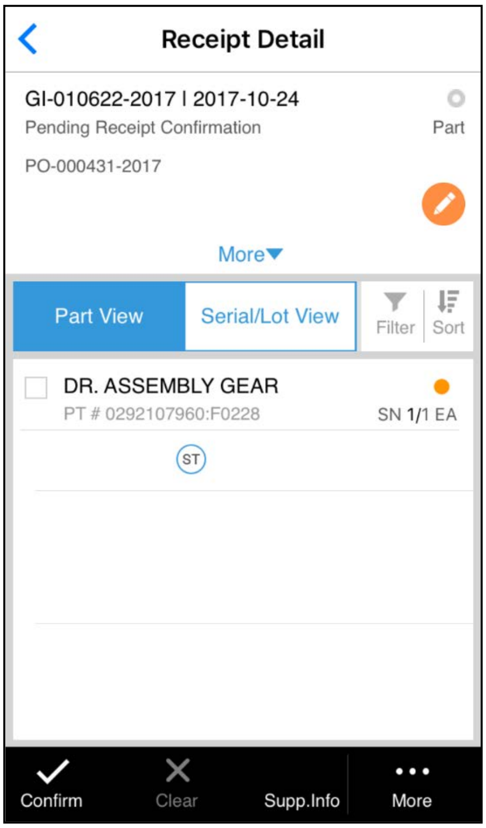
- Remove the Part or Part-Serial/Lot #s selected
- Record hazmat compliance
- Generate Part Barcode Label for the parts in the receipt
- Generate MMD Report for the Receipt document

The following sections are available in the Receipt Detail screen:

- **Part View** - This tab displays the List of Parts available in the Stock Receipt document. The details such as Part description, Part #, Quantity, UOM, Status Indicator, Stockable Indicator, Hazmat Indicator, Shelf Life indicator, Supp. Info Indicator, Quarantine Indicator, Inspection Required Indicator, Work Requested Indicator are displayed for each part.

- **Serial/Lot View** - All part-serial/lots available in the Documents are grouped at part level and displayed under this tab. Details such as Part description, Part #, Mfr. Serial/Lot #, Internal Serial/Lot #, Quantity, UOM, Condition Indicator, Quarantine Indicator, Work requested indicator, are displayed for each part in this tab.
- **Filter / Sort** – This tab provide the option to filter and sort parts in the Stock Receipt. If the filter/sort is already applied, the icons are displayed in a different color to indicate that they are applied.

Exhibit 4: Identifies the **Receipt Detail** screen to review the information in a Receipt

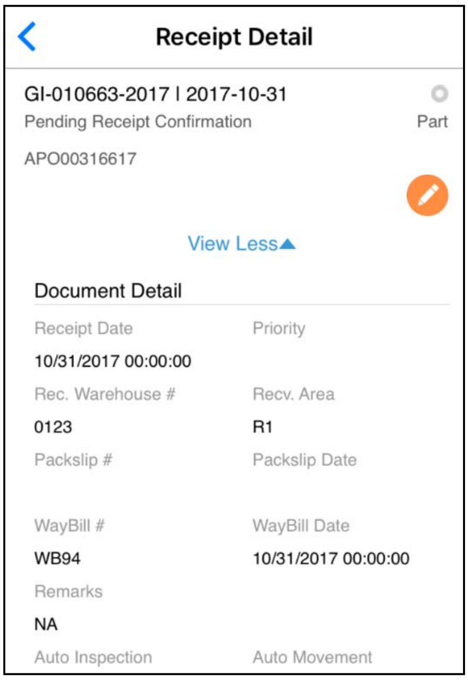


STOCK RECEIPT MODIFICATION / CONFIRMATION

On selecting the **Manage Receipt** activity, **Receipt List** screen can be launched from which a receipt can be selected to launch the **Receipt Detail** screen. Tap on the edit icon to launch **Edit Receipt** screen to modify the documents details. The Create Receipt screen displayed above will be launched in the Edit Mode.

Tap 'More' in the **Receipt Detail** screen to launch various screens (as described in 'Stock receipt creation / confirmation') and perform subsequent actions like modify part details, select alternate parts, modify serial / lot details, etc. On modification of the required details, user can review the part details, serial / lot details and confirm the receipt.

Exhibit 5: Identifies the **Receipt Detail** screen to modify and confirm receipt



QUARANTINE / WORK REQUESTED INFORMATION

The **Manage Receipt** activity provides different screens to facilitate entry of Supplementary Information, Work Requested information and Quarantine / Rejection information against GR, RR, CGR and STR (as applicable).

- **Quarantine Information**: - Quarantine / rejection information can be recorded by selecting the Quarantine section in the **Edit Part Detail or Edit Serial/Lot Details or Work Requested Information** screens.

- **Work Request Information** – User can enter Work Requested Information for the Part/Part-Serial/Lot # using the Work Request screen that can be launched by selecting the 'Work Request' action in the 'More' section in the swipe from Part View/Serial/Lot View tabs of the **Receipt Detail** screen.

STOCK TRANSFER RECEIPT CREATION AND CONFIRMATION

Stock Transfer Receipts can be created by selecting the Stock Transfer Issue document from the list of documents displayed on selecting the **Create Receipt** activity after logging into the Warehouse App. Similar to the stock receipt creation and confirmation, user can enter the receipt details and part details to create the Stock Transfer Receipt, modify Serial / Lot information if required, confirm the stock transfer receipt.

Note: In all the screens, the fields applicable for the selected receipt type will alone be displayed. Other fields will be hidden.

Ability to create Stock Transfer Receipt on Stock Transfer Issue Confirmation

Reference: AHBG-21210

Background

Inter Warehouse Stock Transfer process involves three documents: Stock Transfer, Stock Transfer Issue and Stock Transfer Receipt. Whenever a Stock Transfer is authorized Stock Transfer Issue will be automatically setup and the only action to be done is confirmation of Stock Transfer Issue. However, Stock Transfer Receipt creation and confirmation both are manual steps, though the Stock Transfer Receipts is created most of the times in the intended transfer to warehouse specified in the Stock Transfer document.

Business need is to create a Stock Transfer Receipt automatically in the Transfer to Warehouse specified in the Stock Transfer document whenever Stock Transfer Issue is confirmed (though stock Updation mode is set as 'Manual'). Thus, the storekeeper in the receiving warehouse is just going to confirm the receipt once parts are received.

Change Details

A parameter "Create Stock Transfer Receipt automatically on confirmation of the Stock Transfer Issue against a Stock Transfer with Transfer Mode as 'Manual'" is added under the category 'Stock Issue' in the Set Inventory Process Parameters screen. If the value for this parameter is set as 'Yes', then Stock Transfer Receipt will be automatically created in 'Fresh' status whenever stock transfer issue is confirmed (automatically or manually). If the value for this parameter is set as 'No', then Stock Transfer Receipt should be manually created against the confirmed stock transfer issue.

Note: The above features in Warehouse Anywhere application involve commercials and are not available for all customers. Please contact your Ramco Account Manager

WHAT'S NEW IN APPROVE ANYWHERE APPLICATION?

Stock Correction Approval in Approve Anywhere app

Reference: AHBG-21947, AHBG-21958, AHBG-21960, AHBG-21962

Background

Operational efficiency is one of the key parameters that decide an organization's performance. Operational efficiency is high when the time taken for processing documents in the organization is less. Quick processing of the transaction documents can be ensured, if supported by varied devices located at multiple locations. With the emergence of Smart phones, business software vendors have started developing various applications to improve the operational efficiency of an organization.

Approve Anywhere application is a boon to the senior management personnel who are responsible for approval of various documents. The Approve Anywhere application reduces the dependencies on desktop application and ensures uninterrupted processing for the Authorizers. The Approve Anywhere application ensures optimized performance, improved processing, and greater agility thus delivering exponential productivity gains and is an incremental business value to the customer. Business requirement is to enhance Approve Anywhere to manage approval of Stock Corrections, in addition to the existing capabilities of PO, RO and Invoice approvals.

Change Details

The **Approve Anywhere** application handles approval of **Stock Correction** module through the following user interfaces:

- To Do List & To Do List Preference
- Stock Correction List
- Stock Correction Details
- Part Details

<u>To Do List & To Do List Preference</u>

To Do List is a screen which categorizes the stock correction documents that are pending for approval by the login user. The system displays the following categories in the **To Do List** screen.

1. **All Stock Corrections** - All the Stock Corrections in 'Fresh' or 'Under Auth' status which are pending for approval by the Login user in all the OUs mapped to him.
2. **Correction Value > 'X' <Curr>** - All the Stock Corrections in 'Fresh' or 'Under Auth' status which are pending for approval by the Login user in all the OUs mapped which has Correction Value which is greater than the value defined in the To Do list preference screen.
3. **Qty and Value Corrections** - All the Stock Corrections in 'Fresh' or 'Under Auth' status which are pending for approval by the Login user in all the OUs mapped with the Correction Type as 'Qty' or 'Qty and Value'.
4. **PICC Corrections** - All the Stock Corrections in 'Fresh' or 'Under Auth status' which are pending for approval by the Login user in all the OUs mapped which has Correction Basis as Physical Inventory or Cycle Count.
5. **Value Corrections** - All the Stock Corrections in 'Fresh' or 'Under Auth' status which are pending for

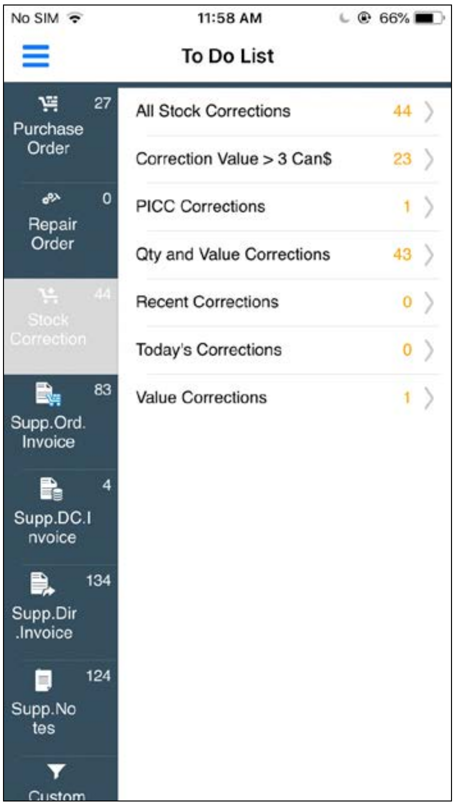
approval by the Login user in all the OUs mapped with the Correction type as 'Value'.

6. **Today's Corrections** - All the Stock Corrections in ‘Fresh’ or ‘Under Auth’ status which are pending for approval by the Login user in all the OUs mapped with the created date as the current system date.

7. **Recent Corrections** - All the Stock Corrections in ‘Fresh’ or ‘Under Auth’ status which are pending for approval by the Login user in all the OUs mapped with the Created Date within the recent number of days as defined in the To Do list Preference screen.

To Do List Preference is the screen in which user can configure the filter categories that are to be visible in the **To Do List** screen.

Exhibit 1: Identifies the **To Do List** screen



<u>**Stock Correction List**</u>

The **Stock Correction List** screen lists all the Stock Correction documents, which are in ‘Fresh’ or ‘Under Authorization’ status. User can authorize or return a single document or multiple stock correction documents in a single instance. The following details are displayed in various sections in the **Stock Correction List** screen.

1. **Search**: Search Correction Document, Go Button, Filter, Sort

2. **Details Displayed**: Correction #, Correction Type, Warehouse, Correction Date, Correction Value including currency, Account Usage, Costing Usage, Correction Basis, Correction value (Amended Value), Part Description & Part #

3. **Indicators**: Status Indicator, User Indicator, OU Indicator.

4. **Swipe Actions**: Authorize, Reminder (More), Approval History (More)

5. **Bottom Bar Action**: Select All, Authorize

Exhibit 2: Identifies the **Stock Correction List** screens

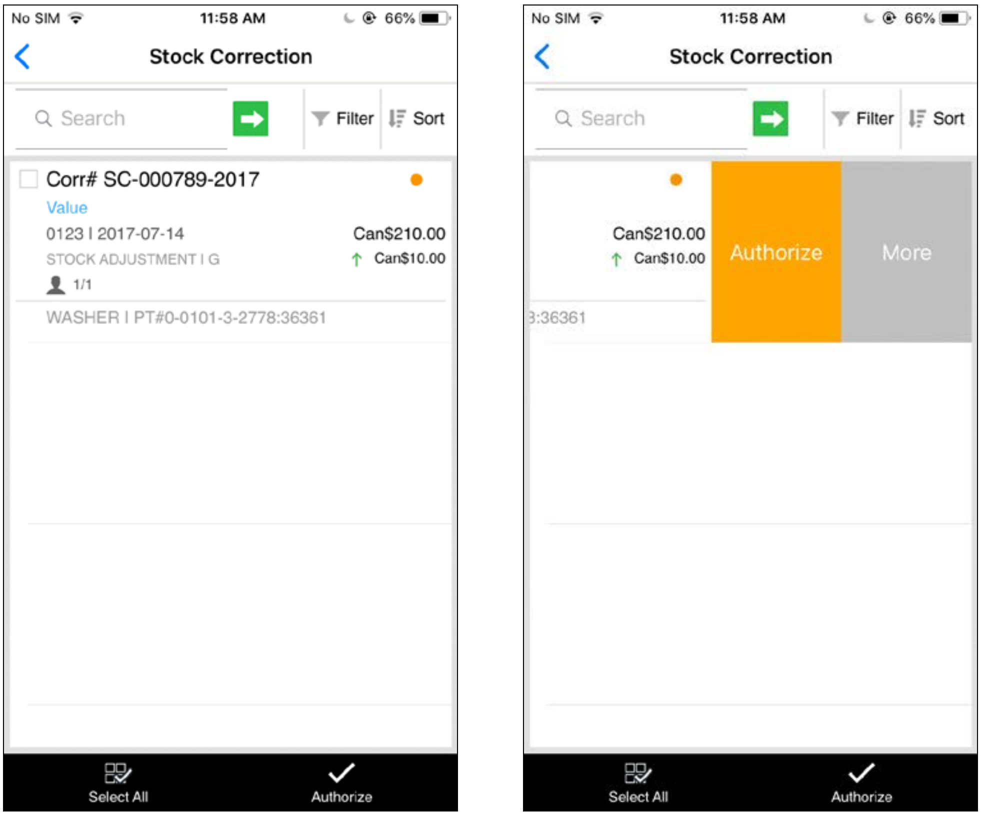
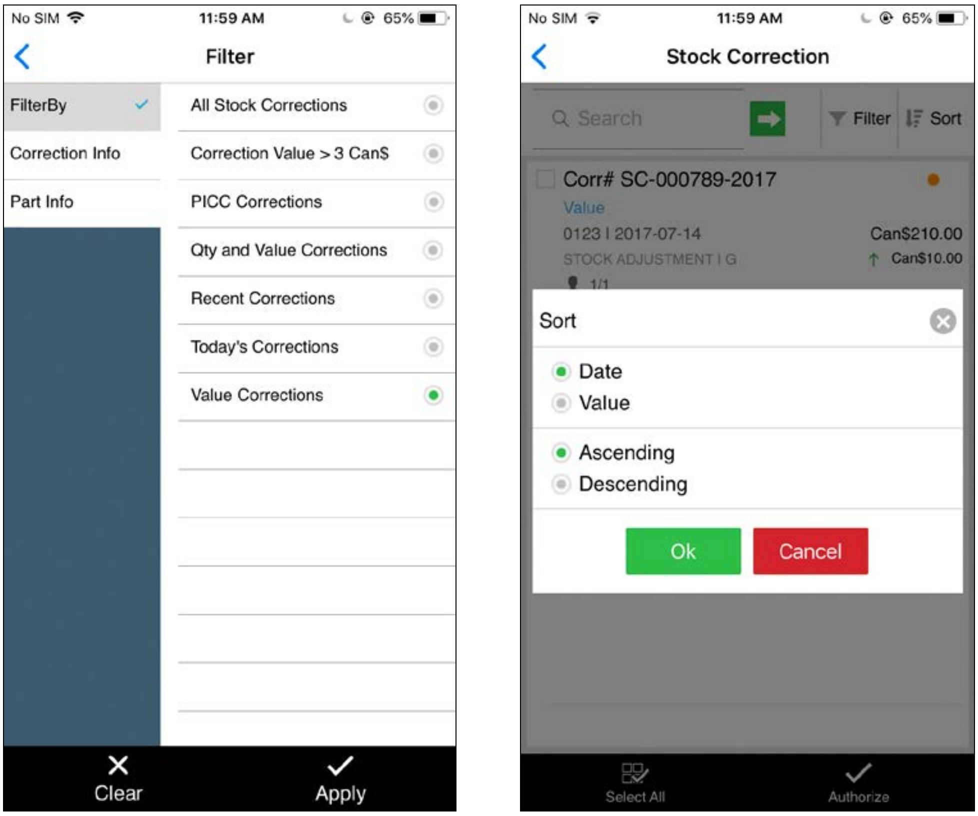


Exhibit 3: Identifies the **Filter & Sort** functions in **Stock Correction List** screen

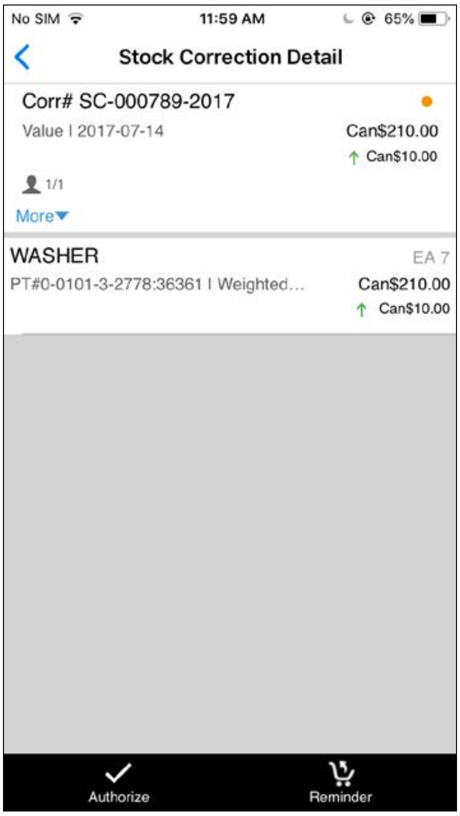


Stock Correction Details

The **Stock Correction Details** screen will display the details of Stock Correction documents, which are in 'Fresh' or 'Under Authorization' status, enabling user to authorize or return the stock correction documents. The screen displays the following details:

1. **Stock Correction Details:** Correction #, Correction Return Status, Correction Status, Correction Type, Warehouse, Correction Date, Correction Value including currency, Account Usage, Costing Usage, Correction Basis, Correction value (Amended Value), etc.
2. **Indicators**: Status Indicator, User Indicator, OU Indicator.
3. **Warehouse Details**: Warehouse #, Warehouse Description
4. **Document Details**: Stock correction document details like Ref. Document #, Correction Category, User Status, User Defined Details 1, User Defined Details 2, Comments etc.
5. **Attachment**: Attachments made against stock correction document
6. **Part Details** - Parts information for which correction is made. Part Details like Part #, Part Description, Quantity, UOM, Expense Type, Valuation Method, Correction Value, Correction Reason and Amended Correction value are displayed.
7. **Bottom Bar Action**: Select All, Authorize, Reminder

Exhibit 4: Identifies the **Stock Correction Details** screens



Part Details

The **Part Details** screen enables the user to review the serial/lot details and the value details for a part involved in the Stock Correction document. These details are displayed different tabs. The details displayed in this screen are as follows:

1. **Stock Correction #**
2. **Part Summary**: Part #, Part Description, Expense Type, Valuation Type, Reason for Correction.
3. **Serial / Lot tab**: MSN / MLN #, SRL / LOT #, Currency Symbol, Revised Value, Correction Type, Delta Value, Trading Partner Type, Trading Partner Name, UOM, Revised Qty, Reason for Correction, Condition Indicator.
4. **Value tab**:
   - LIFO / FIFO Details: Receipt #, Currency Symbol, Revised Value, Receipt Type, Delta Value, Ref. Document #, UOM, Revised Qty, Receipt Date, Delta Qty
   - Weighted Average Details: Stock Status, Currency Symbol, Revised Value, UOM, Revised Qty, Delta Qty
5. **Bottom Bar Action**: Select All, Authorize, Reminder, Help

Exhibit 5: Identifies the **Serial / Lot** tab in **Part Details** screen

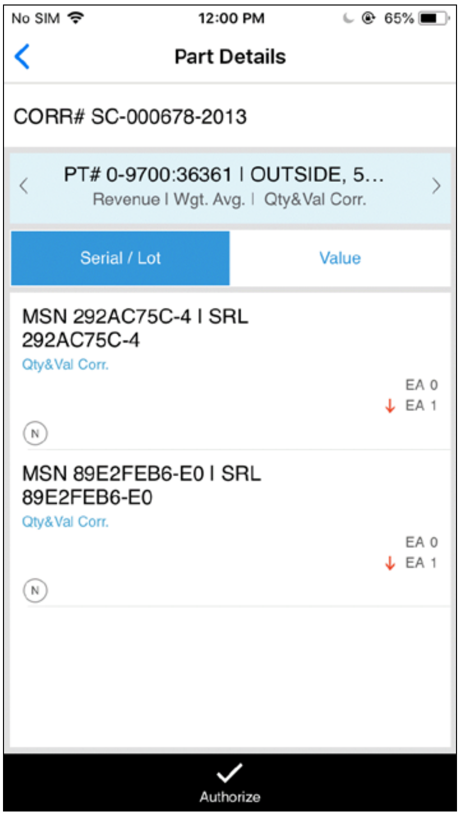
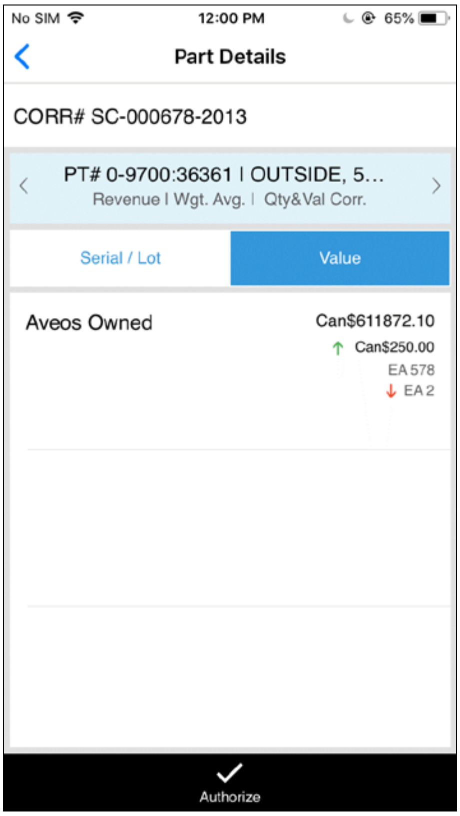


Exhibit 6: Identifies the **Value** tab in **Part Details** screen



Note: The above feature involves commercials and is not available for all customers. Please contact your Ramco Account Manager.

WHAT'S NEW IN STOCK DEMAND MANAGEMENT?

Ability to search based on MR Type and specify 'Preferred Supplier #' while creating PR from Plan Materials screen

Reference: AHBG-22972

Background

Business requirement is to review the Materials Requests in **Plan Material** screen with respect to selected MR Type. This enhancement supports the following features:

- Ability to search based on MR Type in the **Plan Material** screen.
- Ability to specify 'Preferred Supplier #' while creating PR from **Plan Material** screen.

Change Details

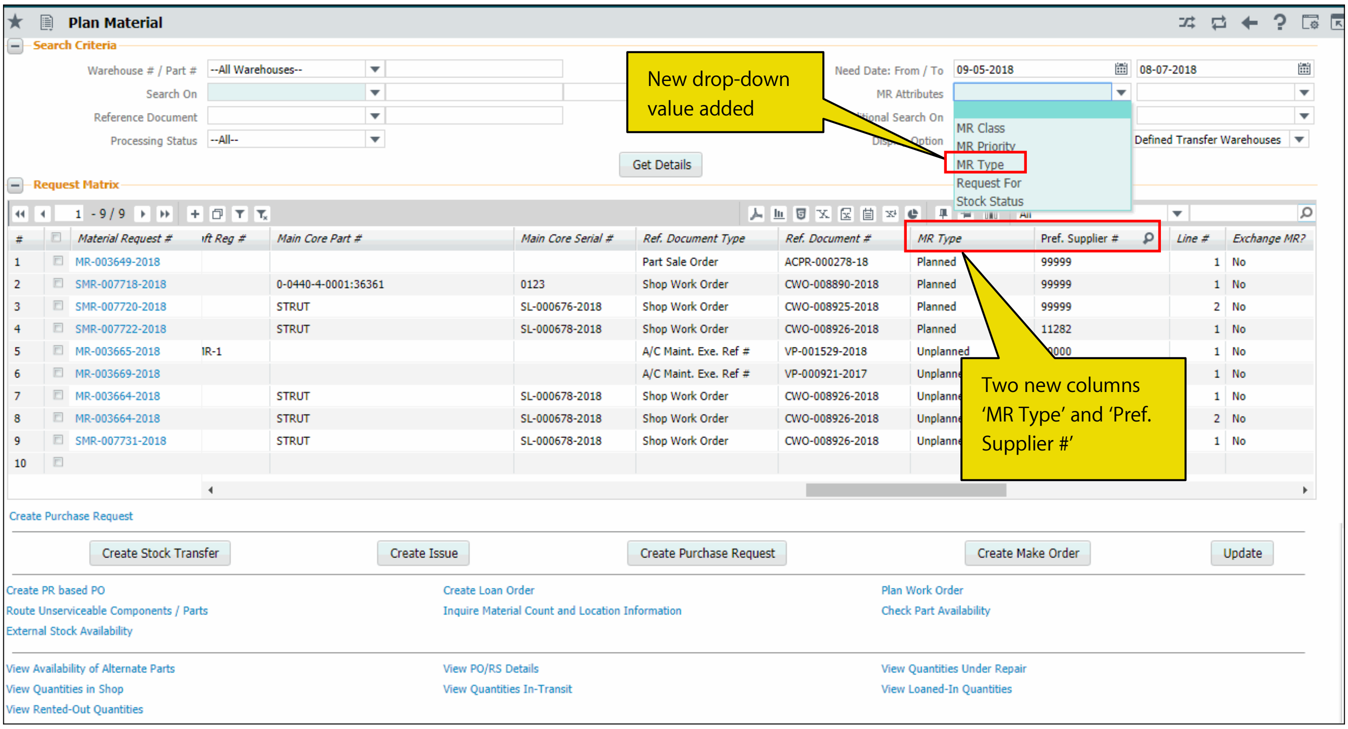
<u>Plan Material</u>

i. A new value 'MR Type' is added in the 'MR Attributes' drop-down list box in Search Criteria section in the **Plan Material** screen, to retrieve the Materials Requests based on MR Type. On selecting this value, MR Types 'Planned', 'Unplanned' and 'For Stock' will be loaded in the adjacent drop-down field.

ii. In the **Request Matrix** multiline, a new display field 'MR Type' and an editable field 'Pref. Supplier #' are added.

- MR Type - Indicates the type of the material request which could be 'Planned' or 'Unplanned' or 'For Stock'.
- Pref. Supplier # - Indicates the preferred supplier number for the part, which was defined in Maintain Purchase Information Activity under Part Administration business component. Whenever user creates a Purchase Request from the **Plan Material** screen, then the preferred supplier # saved for the Requested Part in the **Plan Material** screen will be updated as Supplier # in the Purchase Request. If Preferred Supplier # is not defined for the Part # in **Part Administration** business component, then Pref. Supplier # filed will be left blank in the **Plan Material** screen.

Exhibit 1: Identifies the **Plan Material** screen in the **Stock Demand Management** business component



WHAT'S NEW IN STOCK MANAGEMENT?

Inventory Operations Hub

Reference: AHBG-10653

Background

In Aviation industry, in addition to Aircraft maintenance, managing the warehouse including Request, Issue, Receive, Ship parts etc. becomes imperative. It is evident that the user needs to perform several activities on a day to day basis and have all the data recorded in the organization's ERP system. Though, physically all the required activities are done, recording the same in the ERP system becomes cumbersome, because, it is required to visit different processes, activities and screens for entering the data. Mechanic frequently gets lost while working in the system because of complex navigation, lack of clarity on the next step etc.

Business need is to provide a dashboard to manage Inventory Operations, which would enlist the activities pending for action, in the Inventory stand point, (i.e.) Requests, Issues, Receipts, etc. that needs to be processed and in the Maintenance Stand point, (i.e.) Alerts on parts that are due for Maintenance, Shelf Life Expiry and Tool Calibration.

Change Details

The **Inventory Operations Hub** has been developed to address the above need by providing a wide variety of the Inventory Transactions like Material Requests, Issues, Returns, Receipts and Transfers into a single, dashboard view based on identified roles. This eliminates the need to visit different processes, activities and screens, simplifying navigation. The hub also displays only necessary information based on the context. The seamless integration of the hub can greatly simplify internal processes, enabling user to focus on core business.

MANAGE SCREEN DEFAULTS & PREFERENCES

A new screen **Manage Screen Defaults & Preferences** has been developed to identify the parameters which govern the data displayed in the **Inventory Operations** Hub.

This screen facilitates the user to set the Preference for a given User – Role – User Interface combination. This screen has two sections:

i. Preference For

This section has the following controls, for whose combination the Parameters listed in Defaults & User Preference section is defined.

- Set Preference For
- Role
- User Interface
- User Name

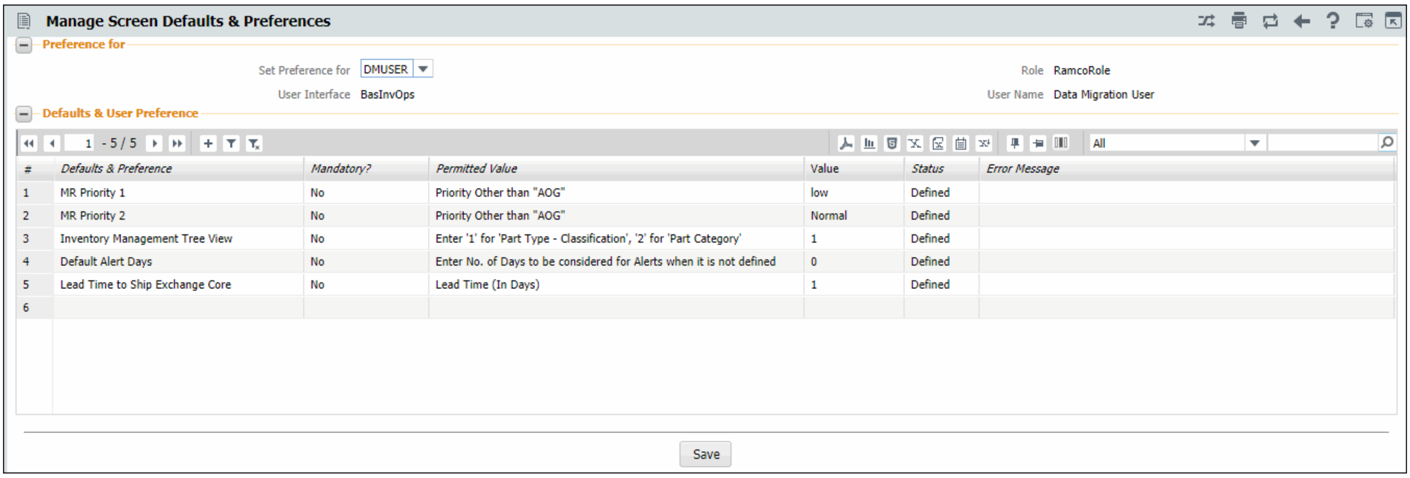
ii. Defaults & User Preference

This section has the following list of parameters identified by the system:

- MR Priority 1 (Request Priority other than AOG, that needs to be prioritized)
- MR Priority 2 (Request Priority other than AOG, that needs to be prioritized)

- Default Alert Days (In case the Alert days is not defined, this parameter helps in identifying the Alert Period for the Part)
- Lead Time to Ship Exchange Core (Lead time for the shipping of the Core Part against an “Exchange” or “PBH Exchange” Purchase Order)

Exhibit 1: Identifies the **Manage Screen Defaults & Preferences** screen



INVENTORY OPERATIONS HUB

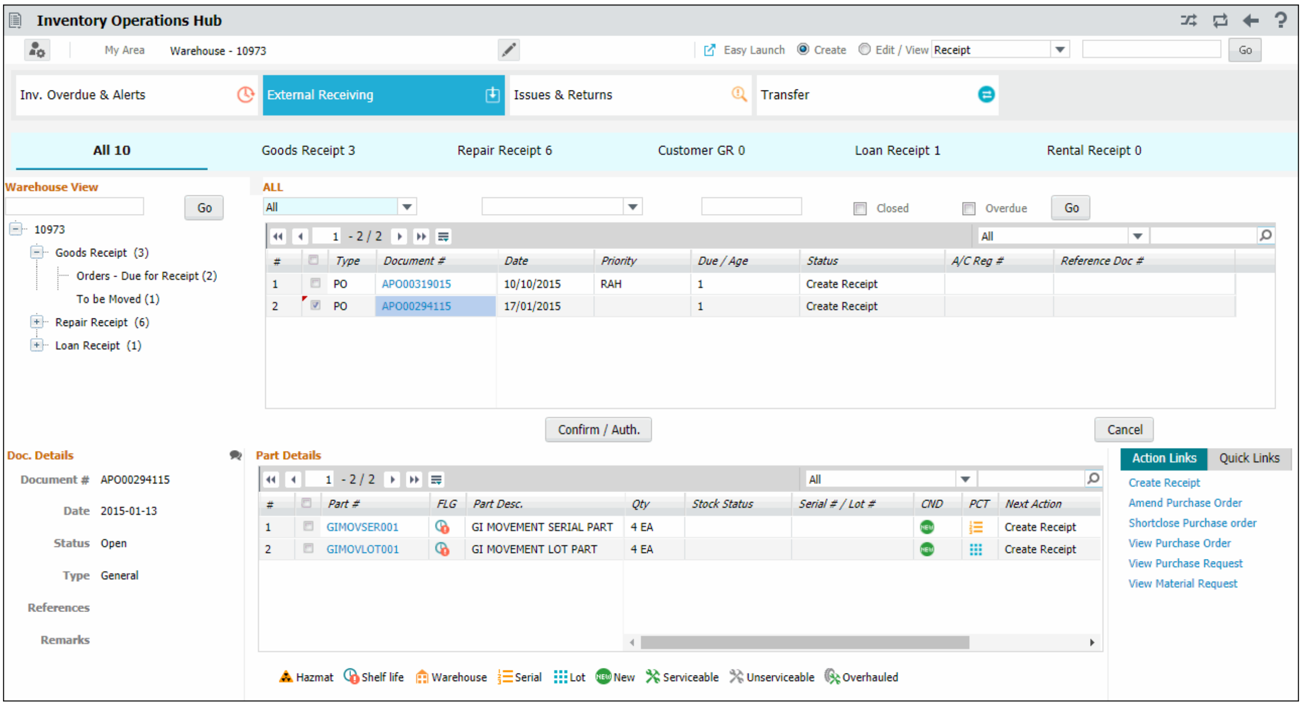
The Inventory Operations Hub provides the following panels:

1. My Area & Easy Launch Panel

2. Functions – Inv. Overdue & Alerts, External Receiving, Issues & Returns, Transfer

- Sub functions
- Tree Panel
- Document/Part List Panel
- Document Preview Panel
- Action Links and Quick Links Panel

Exhibit 2: Identifies the **Inventory Operations Hub**

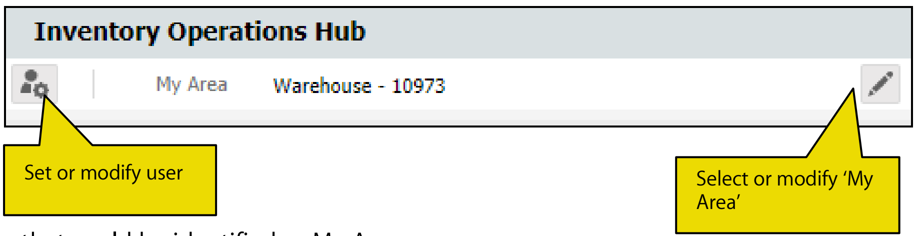


My Area & Easy Launch Panel

My Area

This section displays the Area of operation for the login user. The Area could be defined / modified by using the Edit icon provided. The documents shall be retrieved in the Hub for processing based upon the defined Area.

Exhibit 3: Identifies the **My Area** section



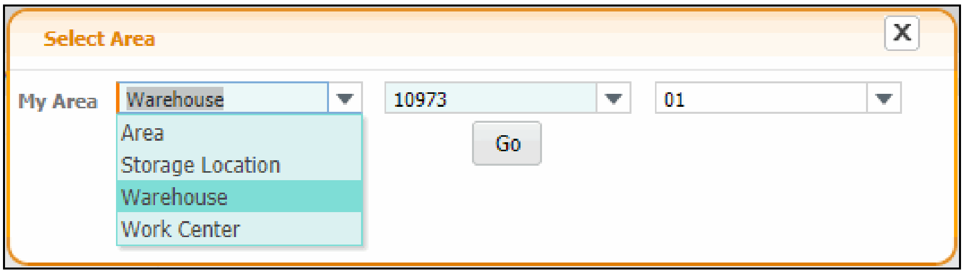
The different types of Areas that could be identified as My Area are:

- Area
- Storage Location
- Warehouse
- Work Center

Select or Modify "My Area"

Click the "Edit Icon"  to set or modify My Area. On click of the icon following screen will be launched.

Exhibit 4: Identifies Pop-up screen to define My Area



The pop-up screen has three drop downs. 1st drop down will be loaded with the following values: Work Center, Storage Location, Area and Warehouse depending upon user access rights to one or more Work Centers/Warehouse. It is mandatory to select a value.

The 2nd drop down will be loaded based on the value chosen in the 1st drop down. For example, if the 1st drop down is selected as "Warehouse", then the list of Warehouses mapped to the login user will be loaded in the 2nd drop down and user can select a particular warehouse as the Area of operation. In the event where the user is mapped to more than one warehouses, a blank value will also be loaded and if user leaves the 2nd drop down as blank, information pertaining to all the warehouses will be displayed in the Inventory Hub. The 3rd drop down will be loaded based on the value chosen in the 2nd drop down. For example, if Storage Location is selected in the 1st drop down, then the 2nd one will be loaded with corresponding storage locations upon selection of a particular storage location the 3rd drop down will be loaded with the associated warehouses. Refer to the table below for more details.

Exhibit 5: Identifies the logic of loading various drop downs in **My Area** pop-up screen

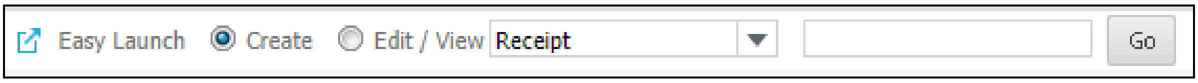
1st Drop Down	2nd Drop Down	3rd Drop Down
Work Center	Loaded with the list of Work Centers mapped to login user	Loaded with the list of Warehouse mapped to the Work Center chosen in 2nd drop down.
Storage Location	Loaded with the list of Storage Location mapped to login user, derived through Warehouse – Storage Location mapping	Loaded with the list of Warehouse mapped to the Storage Location chosen in 2nd drop down.
Area	Loaded with the list of Area identified for the warehouses mapped to the login user.	Loaded with the list of Warehouse mapped to the Area chosen in 2nd drop down.
Warehouse	Loaded with the list of Warehouse mapped to the login user	Loaded with the list of Zones identified for the Warehouse chosen in 2nd drop down.

Note: *Values chosen for "My Area" determine the details that will be displayed in the Hub. If "My Area" is not defined for a User and Role combination, then a text **"Please select My Area"** will be displayed in red in the My Area section.*

Easy Launch

This section facilitates launch of various application screens for creation or modification of receipt. With the radio button selected as 'Create', user can enter a Purchase Order, Repair Order, Loan Order, Rental Order or a Stock Transfer Issue and press the "Go" button to create respective receipts. With the radio button selected as 'Edit / View', user can enter a Goods Inward (Regular Purchase or Repair Receipt or Customer Goods Receipt), Loan / Rental Receipt or Stock Transfer Receipt and press the "Go" button to modify or view the respective receipt. Depending upon the Document # entered, "Go" button will launch respective receiving screens to facilitate receipt creation or modification.

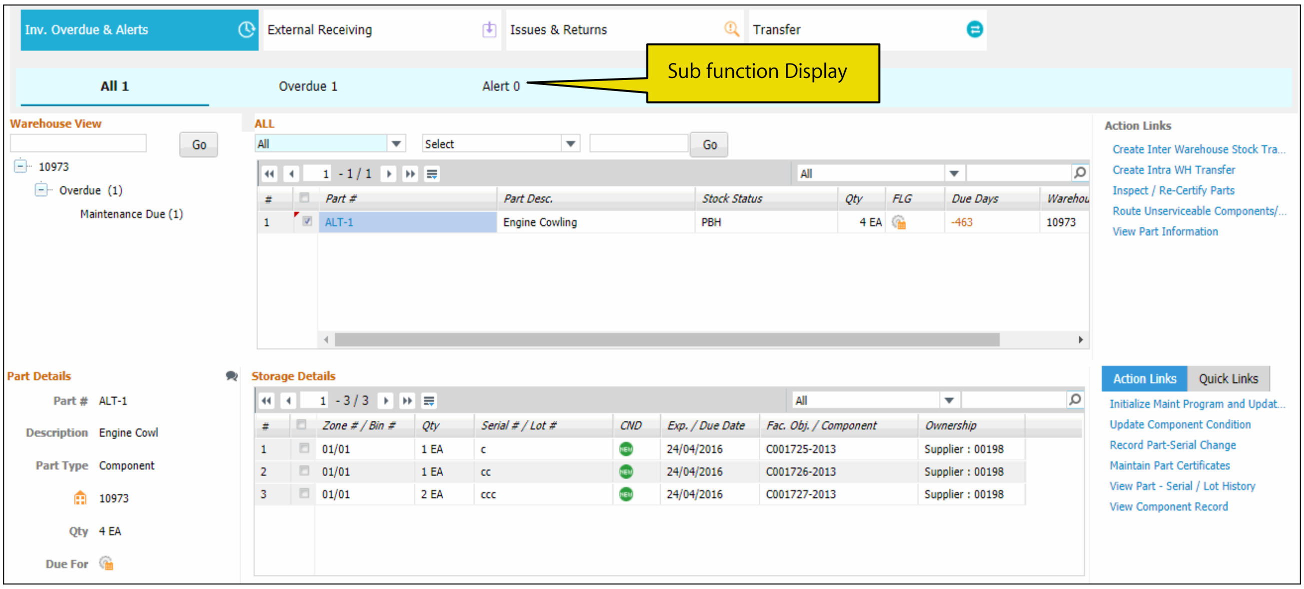
Exhibit-6: Identifies the **Easy Launch** section



Inv. Overdue & Alerts function

The **Inv. Overdue & Alerts** function alerts the user with the visibility of the inventoried parts that would be due for Maintenance or Shelf Life Expiry or Tools Calibration (in case of Tools).

Exhibit-7: Identifies the **Inv. Overdue & Alerts** function

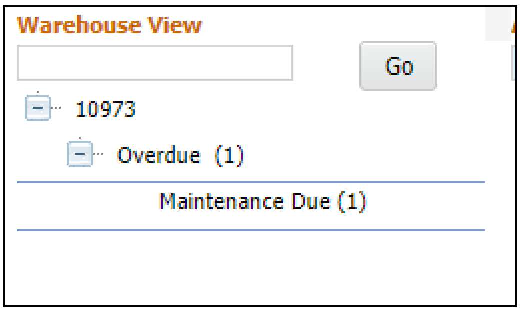


Tree Section

The tree section displays the break-down for the count displayed in the Overdue or Alerts button. The child nodes for Overdue and Alerts buttons are:

- Shelf Life Expiry
- Tool Calibration
- Maintenance Due

Exhibit-8: Identifies the Tree Section in **Inv. Overdue & Alerts** function

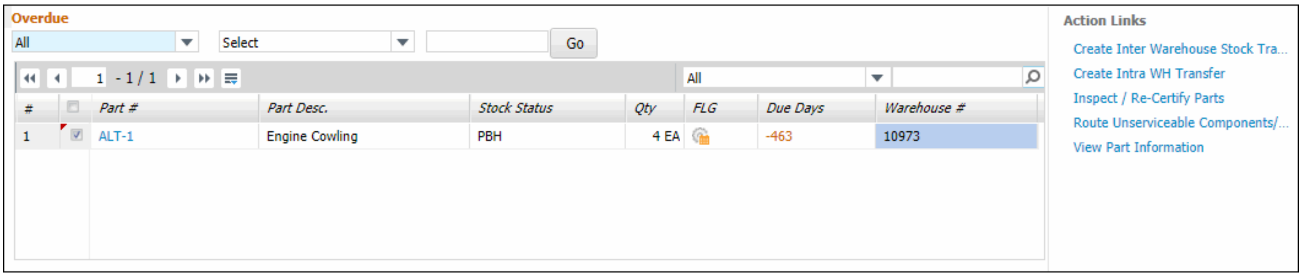


Part List Panel & Part Level Action Links

This section displays the Part-Stock Status combination that forms the count displayed against the child node in the tree section. This section is populated by the click of the tree section's child node.

The Action Links displayed are the links to the application screens for the list of identified actions possible for the Part-Stock Status combination.

Exhibit-9: Identifies the Part List Panel & Part Level Action Links in **Inv. Overdue & Alerts** function.

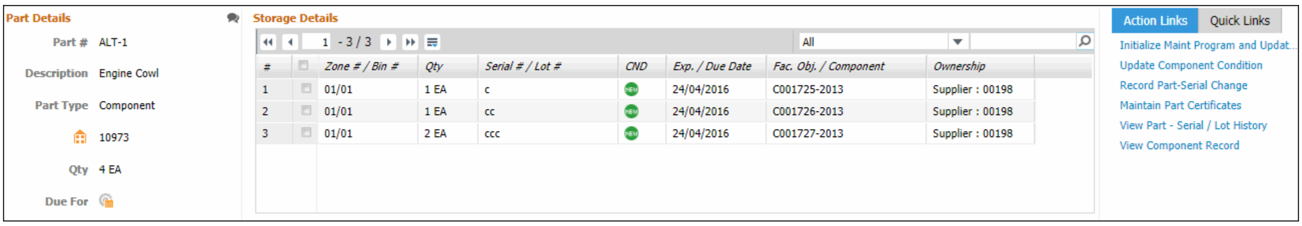


In addition, this section also has the *'Direct Search'* capability similar to the other function

Part Detailed Panel & Detailed Level Action Links

This section displays the Part-Serial / Lot # combination that forms the count displayed against the Part – Stock Status combination in the multiline of the Part List Panel under two sub-sections: Part Details and Storage Details. This section is populated by the click of the Part # in the multiline of the Part List Panel. The Action Links displayed are the links to the application screens for the list of identified actions possible for the Part-Serial # combination.

Exhibit-10: Identifies the Part Detailed Panel & Detailed Level Action Links (**Inv. Overdue & Alerts** function)



External Receiving function

One of the primary activities in the management of Warehouse is the management of Receipts from External Agents (i.e.) Suppliers and Customers.

In order to achieve the effective management of the External Receipts (i.e.) Regular Purchases, Repair Receipts, Customer Goods Receipts and Loan / Rental Receipts, it is required that they need to be summarized in the Hub, based upon the Receipt Type and the action that is pending on the respective document.

The **External Receiving** function enlists the different External Receipts that needs to be acted upon (i.e.) Goods Receipts or Repair Receipts or Customer GR or Loan Receipt or Rental Receipts under each Warehouse.

The different sections available in this function are discussed below.

Exhibit-11: Identifies the **External Receiving** function in **Inventory Operations** Hub

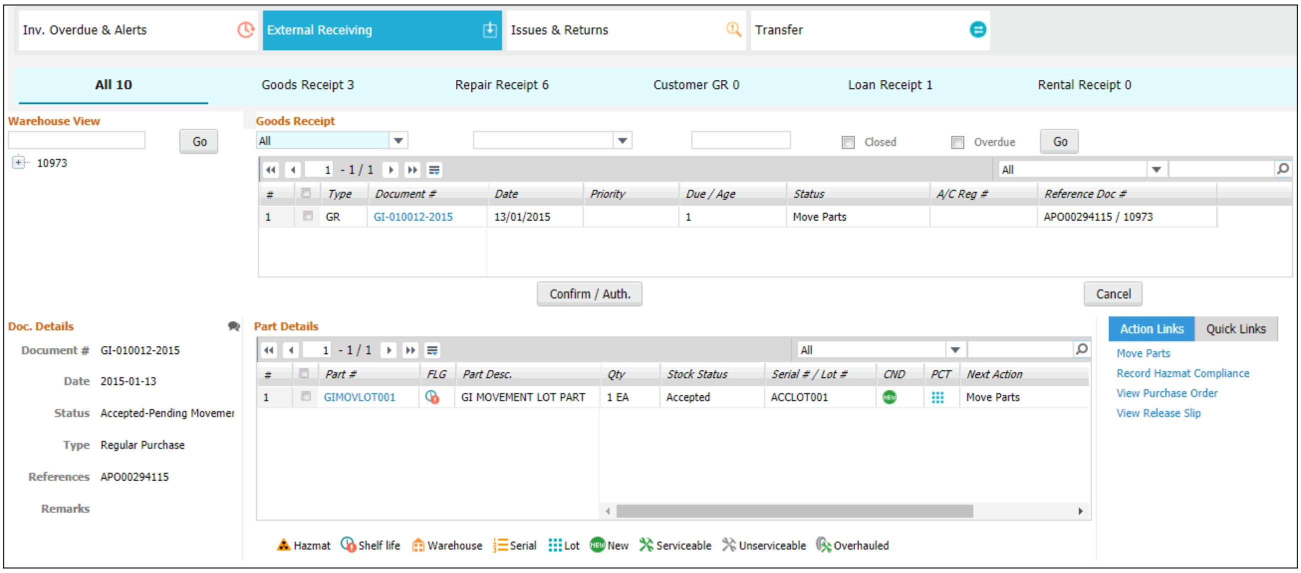
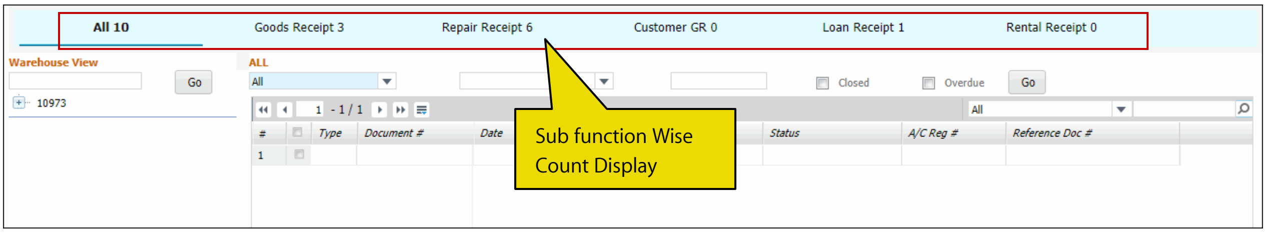


Exhibit-12: Identifies the Sub function wise Count Display in **External Receiving** function



Tree Panel (External Receiving function)

The Tree Panel comprises the following controls.

- Receipt Type wise Count Display
- Warehouse specific Search
- Document Status wise Tree Display

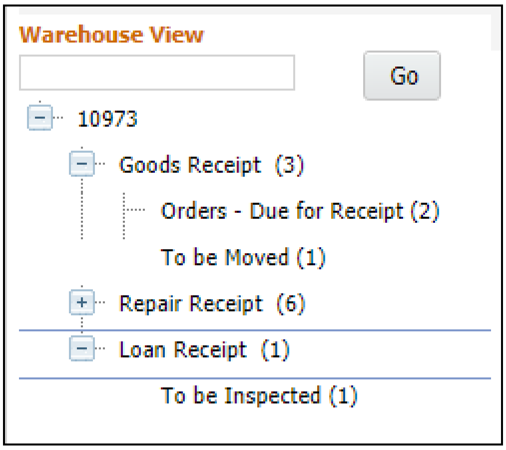
Receipt Type wise Count Display: This section displays different External Receipt types (i.e. Goods Receipt, Repair

Receipt, Customer GR, Loan Receipt and Rental Receipt). The count of the documents that are pending for action shall be displayed alongside the receipt types.

Warehouse Specific Search: This control helps in processing all the documents that are pending in a particular Warehouse. The interested Warehouse could be searched to have the tree formed with the documents pending in that Warehouse alone.

Document Status wise Tree Display: This section displays the break-down for the count displayed besides the Receipt Type drop down at Warehouse – Possible Action (derived based upon Document Status) level.

Exhibit-13: Identifies the Tree Display in **External Receiving** function



The possible child nodes under each of the parent nodes (Goods Receipt or Repair Receipt or Customer GR or Loan Receipt or Rental Receipt) are given below.

- Goods Receipt or Customer GR or Repair Receipt
  - *Orders - Due for Receipt:*
  - *Open Order – Not Due*
  - *Draft*
  - *To be Confirmed*
  - *To be Inspected*
  - *To be Moved*
  - *To be Binned*
  - *Quarantined*
- Loan Receipt or Rental Receipt
  - *Orders - Due for Receipt*
  - *Open Order – Not Due*
  - *To be Confirmed*
  - *To be Inspected*
  - *Quarantined*

Document Status wise Tree Display - Sub Nodes Logic

- **Goods Receipt:**
  - Orders – Due for Receipt: Count of the Purchase Orders (other than the PO Type "Customer Goods") and Release Slips which has at least one Part that is due for receipt in a given Warehouse, though the entire

quantity should have been received prior to the current system date (as per the Earliest Due Date definition in Purchase Order)

- Open Orders – Not Due: Count of the Purchase Orders (other than those of type "Customer Goods") and Release Slips which has at least one Part that is due for receipt in a given Warehouse with the due date well above the current system date.

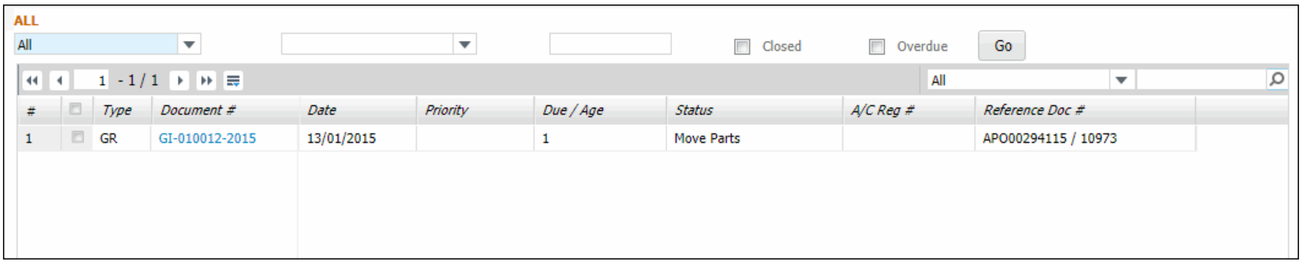
- **Repair Receipt**
  - Orders - Due for Receipt: Count of Repair Orders, with the Repair Shop Shipping Date earlier than the current date, in the given Return Warehouse #, for which there exists at least one Part due for receipt.
  - Open Orders – Not Due: Count of the Repair Orders, with the Repair Shop Shipping Date well above the current system date, in the given Return Warehouse #, for which there exists at least one Part due for receipt.
- **Customer GR:**
  - Orders – Due for Receipt: Count of the Purchase Orders of Type "Customer Goods" which has at least one Part that is due for receipt in a given Warehouse, though the entire quantity should have been received prior to the current system date (as per the Earliest Due Date definition in Purchase Order)
  - Open Orders – Not Due: Count of the Purchase Orders of Type "Customer Goods" which has at least one Part that is due for receipt in a given Warehouse with the due date well above the current system date.
- **Goods Receipt or Repair Receipt or Customer GR**:
  - Draft: Count of Receipts of the selected Receipt Type, in the given Receiving Warehouse, with the Next Action as 'Record Serial / Lot Detail' for at least one Part.
  - To be confirmed: Count of Receipts of the selected Receipt Type, in the given Receiving Warehouse, with the Next Action as 'Confirm Receipt' for at least one Part.
  - To be inspected: Count of Receipts of the selected Receipt Type, in the given Receiving Warehouse, with the Next Action as 'Inspect Part' or 'Confirm Inspection', for at least one Part.
  - To be moved: Count of Receipts of the selected Receipt Type, in the given Receiving Warehouse, with the Next Action as 'Move Part', for at least one Part.
  - To be binned: Count of Receipts of the selected Receipt Type, in the given Movement Warehouse, with the line status as 'Accepted – Pending Binning' for at least one Part.
  - Quarantined: Count of Receipts of the selected Receipt Type, in the given Receiving Warehouse, with the Next Action as 'Resolve Quarantine', for at least one Part.
- **Loan Receipt**:
  - Orders – Due for Receipt: Count of Loan Orders (against which Loan Receipt is not recorded) in the given Warehouse # for which the Required Date is less than the current system date.
  - Open Orders – Not Due: Count of Loan Orders (against which Loan Receipt is not recorded) in the given Warehouse # for which the Required Date in the Loan Order is well above the current system date.
- **Rental Receipt**:
  - Orders – Due for Receipt: Count of Rental Orders (against which Rental Issue is confirmed, but Rental Receipt is not recorded), with the Due Days for Return lesser than zero.
  - Open Orders – Not Due: Count of Rental Orders (against which Rental Issue is confirmed, but Rental Receipt is not recorded), with the Due Days for return greater than zero.
- **Loan Receipt or Rental Receipt**
  - To be inspected: Count of Loan Receipts in Received status, which requires the Inspection recording is mandatory and is due.

- To be confirmed: Count of Loan Receipts in Received status against which Inspection recording is not due or mandatory.
- Quarantined: Count of Loan Receipts in Received status where Quarantined Qty is not null.

Document List Panel (External Receiving function)

This section shows the key information of the documents contributing to the count of a given child node of the tree section. This section is populated on the click of the child node of the tree section.

Exhibit-14: Identifies the Document List Panel in **External Receiving** function



This section also provides the user an alternative way of traversal in the Hub, 'Direct Search'. By this 'Direct Search', the user need not take the tree section route to view the Document List Panel. Instead, directly, the drop-downs available over the multiline can be used to select desired Search Criteria to view the Document List.

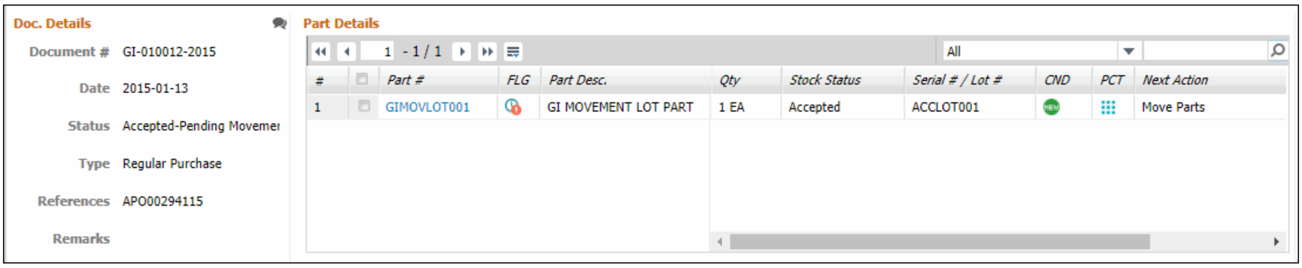
- The Check-Box 'Closed', offers the user to fetch even the Closed or Short closed or cancelled documents of Purchase Order or Release Slip or Repair Order or Loan Order or Rental Order or Goods Receipt or Repair Receipt or Customer GR or Loan Receipt or Rental Receipt.
- The Check-Box, 'Overdue', offers the user to fetch only those Purchase Orders or Repair Orders or Loan orders or Rental Orders that are Overdue (i.e.) Due Date is earlier than the current server date.

In addition, possible actions are provided below the Document List panel. These actions will help the user to Confirm or Cancel the receipt documents directly without traversing to respective screens. Confirm Receipt action is possible only for documents that are yet to be confirmed. Similarly for cancel action is possible only for the receipt document that is not in termination status.

Document Preview Panel (External Receiving function)

This section has two sub-sections: Document Details and Part Details, to enlist the document level and the Part level details of the Document that is selected from the Document List Panel multiline. This section is populated with the data on the click of the Document # in the Document List panel.

Exhibit-15: Identifies the **Document Preview Panel** in **External Receiving** function

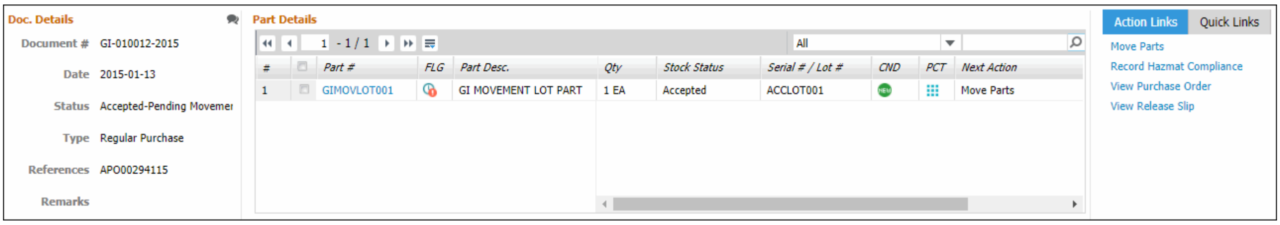


Action Links and Quick Links Panel (External Receiving function)

<u>Action Links</u>

This section comprises of the next possible action links for a given document based upon the Next Action displayed in the Next Action column of the Document Preview Panel. This section is populated along with the Document Preview Panel on click of the Document # in the Document List Panel.

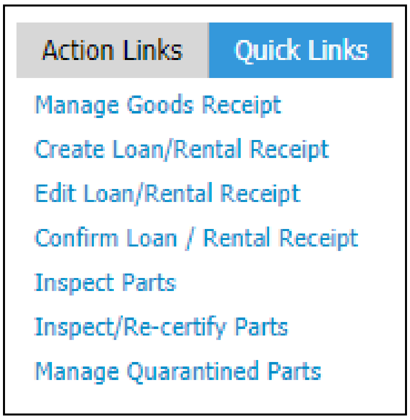
Exhibit-16: Identifies the Document Preview Panel along with Action Links in **External Receiving** function.



<u>Quick Links</u>

This section is populated on the launch of the Hub.

Exhibit-17: Identifies the **Quick Links section** in **External Receiving** function



Issues & Returns function

The Warehouse personnel must be equipped with the visibility of the count of the Requests, Issues or Returns at two levels.

- Aircraft Level
- Warehouse Level

A function titled **'Issues & Returns'** has been provided in the **Inventory Operations Hub** to view all the pending transactions (i.e.) Requests or Issues or Returns under each Aircraft or Warehouse

The different sections available in this function are detailed below:

Exhibit-18: Identifies the **Issues & Returns** function in **Inventory Operations** Hub

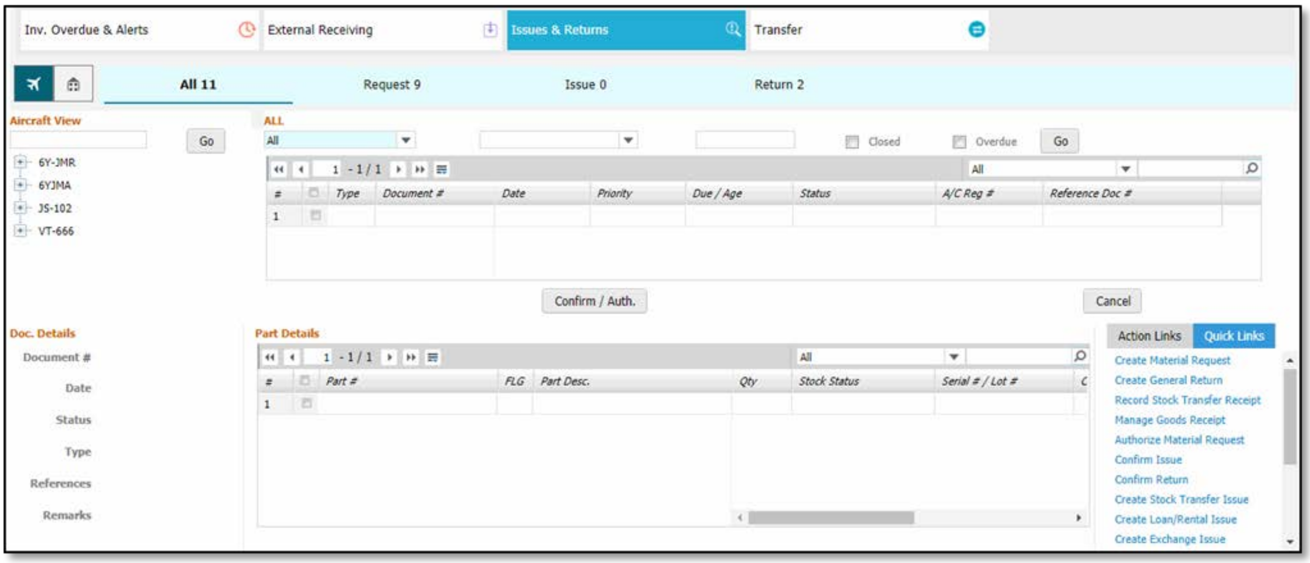
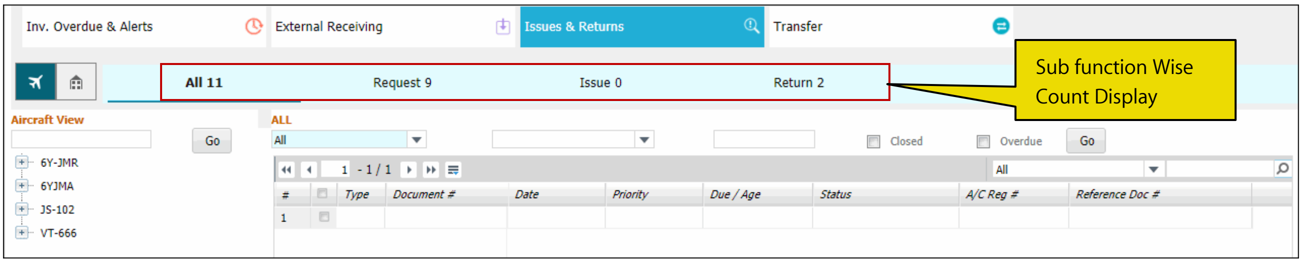


Exhibit-19: Identifies the Sub function wise Count Display in **Issues & Returns** function



Tree Panel (Issues & Returns function)

The Tree Panel comprises of the following controls.

- Document Type wise Count Display
- Warehouse specific Search
- Document Status wise Tree Display

The Tree Panel is populated primarily based on the level at which the documents are required to be viewed (i.e.) Aircraft View or Warehouse View. The primary difference between these two views is that the Aircraft View will display only those Requests, Issues and Returns made with reference to a given Aircraft, thereby eliminating the Loan Issues, Rental Issues, Exchange Issues, etc.

However, the Warehouse View can be used to retrieve all types of issues that are to be made or that are made from a given Warehouse #

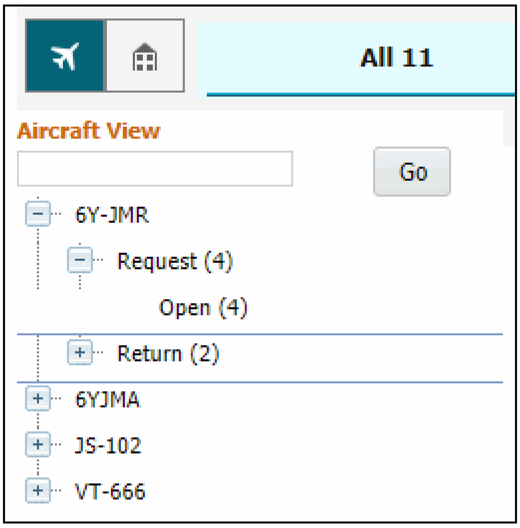
Document Type wise Count Display: This section displays different documents that are applicable for processing in the given section (viz. Material Requests, Stock Issues and Stock Returns). The count of the documents that are pending for action shall be displayed alongside the Document Types.

Aircraft / Warehouse Specific Search: Based upon the mode of view (i.e.) Aircraft / Warehouse view, this control helps in retrieval of all the documents that are pending in a given Aircraft or Warehouse. The interested Aircraft or Warehouse could be searched to have the tree formed with the documents pending in that Aircraft or Warehouse alone.

Document Status wise Tree Display: This section displays the break-down for the count displayed besides the Document Type drop down at Aircraft – Possible Action or Warehouse – Possible Action level, based upon the mode of view selected.

Document Status wise Tree Display – Aircraft View: If the mode of view is 'Aircraft View', then the Count of the documents (viz. Requests, Issues or Returns) shall be displayed as those that are done for a given Aircraft Reg. # from the defined Area of User operation (i.e.) My Area definition.

Exhibit-20: Identifies the Document Status wise Tree Display in **Issues & Returns** function – Aircraft View



The possible child nodes under each of the parent nodes (Request or Issue or Return) are given below.

- **Request**
  - Inprogress
  - Pending Authorization
  - Open
- **Issue**
  - Inprogress
  - Pending Confirmation
- **Return**

- o Inprogress
- o Pending Confirmation

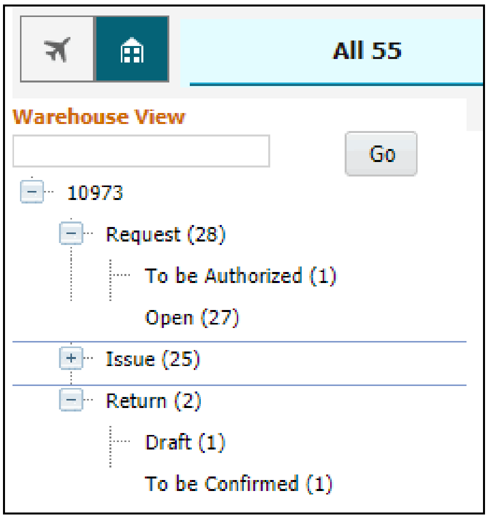
Document Status wise Tree Display - Sub Nodes Logic (Aircraft View)

- **Requests:**
  - o Inprogress: Count of the Material Requests for a given Aircraft Reg # that are in Draft status.
  - o Pending Authorization: Count of the Material Requests for a given Aircraft Reg. # that are in Fresh status.
  - o Open: Count of the Material Requests for a given Aircraft Reg, # that are in Authorized status and is available in the sourcing cycle.
- **Issues:**
  - o Inprogress: Count of the Stock Issues against a given Aircraft Reg # that are in Draft status.
  - o Pending Confirmation**:** Count of the Stock Issues against a given Aircraft Reg. # that are in Fresh status.
- **Returns:**
  - o Inprogress: Count of the Stock Returns against a given Aircraft Reg # that are in Draft status.
  - o Pending Confirmation: Count of the Stock Returns against a given Aircraft Reg. # that are in Fresh status.

Document Status wise Tree Display – Warehouse View

If the mode of view is 'Warehouse View', then the Count of the documents (viz. Requests, Issues or Returns) shall be displayed as those that are due for a given Warehouse # from the defined Area of User operation (i.e.) My Area definition. The different child nodes of the Tree display for the Warehouse View are discussed below.

Exhibit-21: Identifies the Document Status wise Tree Display in **Issues & Returns** function – Warehouse View



The possible child nodes under each of the parent nodes (Request or Issue or Return) are given below.

- **Request**
  - o Inprogress
  - o Pending Authorization
  - o Open
- **Issue**
  - o Orders Pending Issue - Due

- Inprogress
- Pending Confirmation

- **Return**
  - Inprogress
  - Pending Confirmation

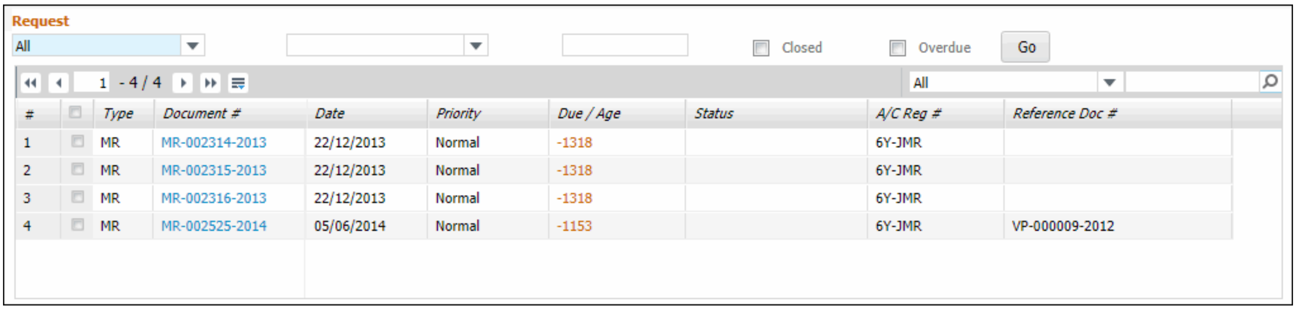
<u>Document Status wise Tree Display - Sub Nodes Logic (Warehouse View)</u>

- **Requests:**
  - <u>Inprogress:</u> Count of the Material Requests for a given Warehouse # that are in Draft status.
  - <u>Pending Authorization:</u> Count of the Material Requests for a given Warehouse # that are in Fresh status.
  - <u>Open</u>: Count of the Material Requests for a given Warehouse # that are in Authorized status and is available in the sourcing cycle.
- **Issues:**
  - <u>Orders Pending Issue – Due</u>: Count of the Exchange or PBH Purchase Orders or Loan Orders or Rental Orders or Repair Orders or Stock Transfer Orders against which issue of Parts is pending as per the current system date, in a given Warehouse.
  - <u>Inprogress</u>**:** Count of the Stock Issues against a given Warehouse # that are in Draft status.
  - <u>Pending Confirmation</u>**:** Count of the Stock Issues against a given Warehouse # that are in Fresh status.
- **Returns:**
  - <u>Inprogress</u>**:** Count of the Stock Returns against a given Warehouse # that are in Draft status.
  - <u>Pending Confirmation</u>**:** Count of the Stock Returns against a given Warehouse # that are in Fresh status.

Document List Panel (Issues & Returns function)

This section shows the key information of the documents contributing to the count of a given child node of the tree section. This section is populated on the click of the child node of the tree section.

Exhibit-22: Identifies the Document List Panel in **Issues & Returns** function



#		Type	Document #	Date	Priority	Due / Age	Status	A/C Reg #	Reference Doc #
1		MR	MR-002314-2013	22/12/2013	Normal	-1318		6Y-JMR	
2		MR	MR-002315-2013	22/12/2013	Normal	-1318		6Y-JMR	
3		MR	MR-002316-2013	22/12/2013	Normal	-1318		6Y-JMR	
4		MR	MR-002525-2014	05/06/2014	Normal	-1153		6Y-JMR	VP-000009-2012

In addition, this section also provides the user an alternative way of traversal in the Hub, *'Direct Search'*. By this 'Direct Search', the user need not take the tree section route to view the Document List Panel. Instead, directly, the drop-downs available over the multiline can be used to select desired Search Criteria to view the Document List.

- The Check-Box 'Closed', offers the user to fetch even the Closed Material Requests; Confirmed Issues and Confirmed Returns.

- The Check-Box, 'Overdue', offers the user to fetch only those Issues or Requests that are Overdue (i.e.) Due Date is earlier than the current server date. The Overdue Check-box does not impact the Search for Returns.

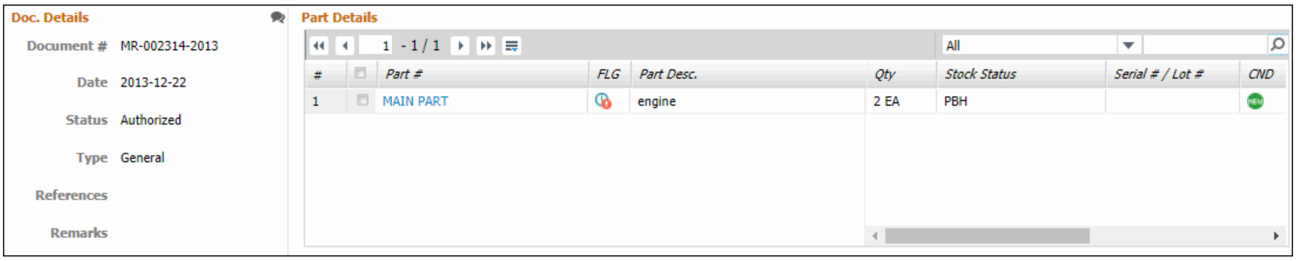
The Pending Requests count displayed is the count of Material Requests, which are available in any of the Child node in the tree structure possible, for which the Priority is either AOG or MR Priority 1 or MR Priority 2 (as defined in the **Manage Screen Defaults & Preference** screen)

In addition, possible actions are provided below the Document List panel. These actions will help the user to Confirm and Cancel the Request or Issue or Return documents directly without traversing to the respective screens.

Document Preview Panel (Issues & Returns function)

This section has two sub-sections: Document Details and Part Details, to enlist the document level and the Part level details of the Document that is selected from the Document List Panel multiline. This section is populated with the data on the click of the Document # in the Document List panel.

Exhibit-23: Identifies the Document Preview Panel in **Issues & Returns** function

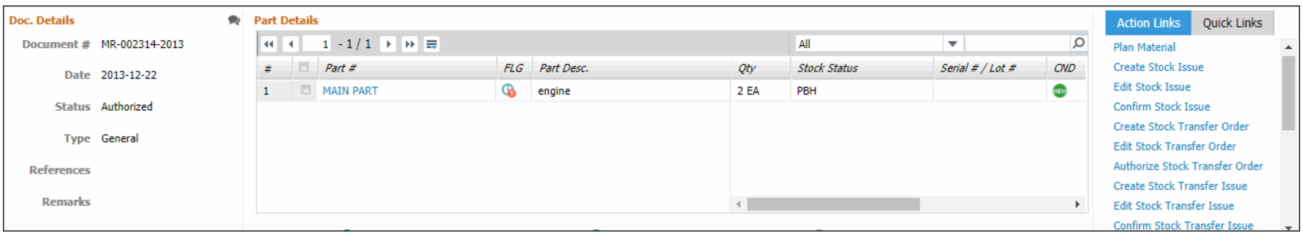


Action Links and Quick Links Panel (Issues & Returns function)

Action Links

This section comprises of the next possible action links for a given document based upon the Next Action displayed in the Next Action column of the Document Preview Panel. This section is populated along with the Document Preview Panel on click of the Document # in the Document List Panel.

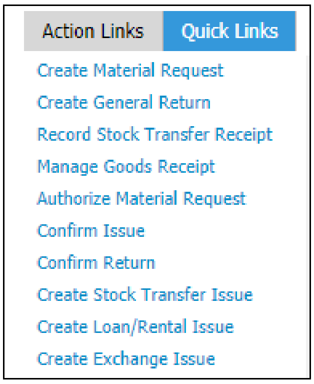
Exhibit-24: Identifies the Document Preview Panel along with Action Links in **Issues & Returns** function



Quick Links

This section comprises of links to all the possible routine activities and is populated on the launch of the Hub.

Exhibit-25: Identifies the Quick Links section in **Issues & Returns** function



Transfer function

Warehouse management includes processing the Transfer Issue or Transfer Receipt or Material Loss or Transfer Order or Intra Warehouse Stock transfer etc. that are made in that Warehouse. It is imperative to have a single dashboard that provides a summary of all the pending activities related to transfer of stock so that the Stock Transfer could be managed efficiently.

A function titled **Transfer** has been provided under the Inventory Operations Hub, to have a view on all the pending stock transfer related transactions (i.e.) Transfer Issue or Transfer Receipt or Material Loss or Transfer Order or Intra Warehouse Stock transfer under each Warehouse.

Exhibit-26: Identifies the **Transfer** function in **Inventory Operations** Hub

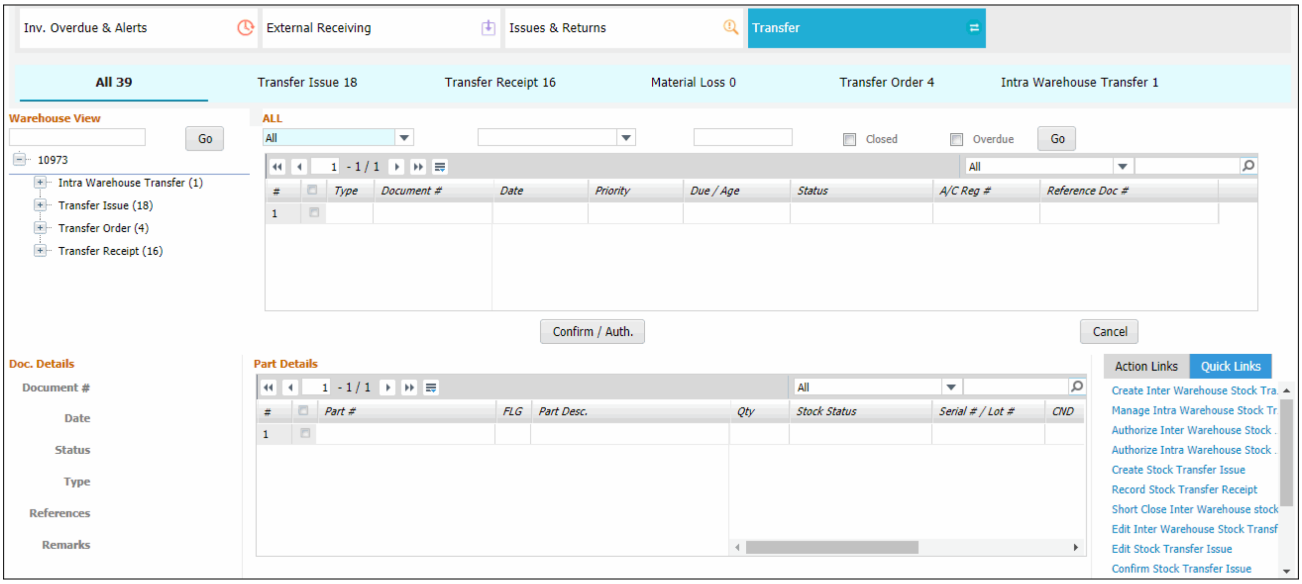
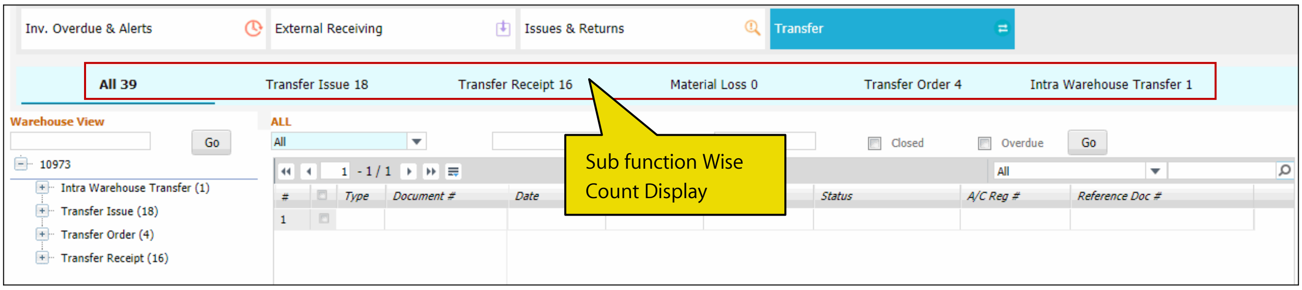


Exhibit-27: Identifies the Sub function wise Count Display in **Transfer** function



Tree Panel (Transfer function)

The Tree Panel comprises of the following controls.

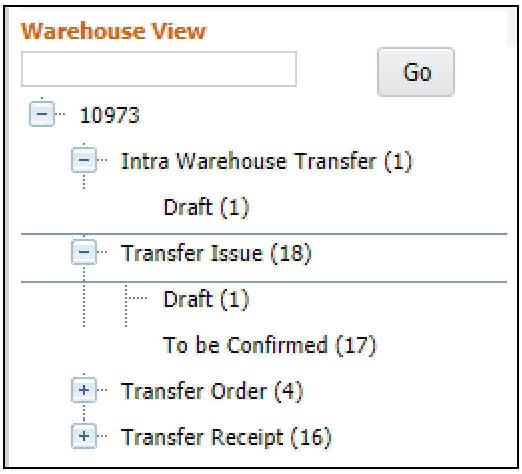
- Document Type wise Count Display
- Warehouse specific Search
- Document Status wise Tree Display

Document Type wise Count Display: The Document Type section displays different documents that are applicable for processing in the given section (viz. Transfer Issue, Transfer Receipt, Material Loss, Transfer Order and Intra Warehouse Stock Transfer). The count of the documents that are pending for action shall be displayed alongside.

Warehouse Specific Search: This control helps in retrieval of all the stock transfer documents that are pending in a given Warehouse. The interested Warehouse could be searched to have the tree formed with the documents pending in that Warehouse alone.

Document Status wise Tree Display: This section displays the break-down for the count displayed besides the Document Type drop down at Warehouse – Possible Action level.

Exhibit-28: Identifies the Document Status wise Tree Display in **Transfer** function



The possible child nodes under each of the parent nodes (Transfer Issue or Transfer Receipt or Material Loss or Transfer Order or Intra Warehouse Transfer) are given below.

- Transfer Issue
  - Draft
  - Fresh
  - Orders
  - Open Order
- Transfer Receipt
  - To be Confirmed
  - Orders pending for Receipt
- Material Loss
  - To be Confirmed
- Transfer Order
  - Draft
  - To be Authorized
- Intra Warehouse Transfer
  - Draft
  - To be Authorized

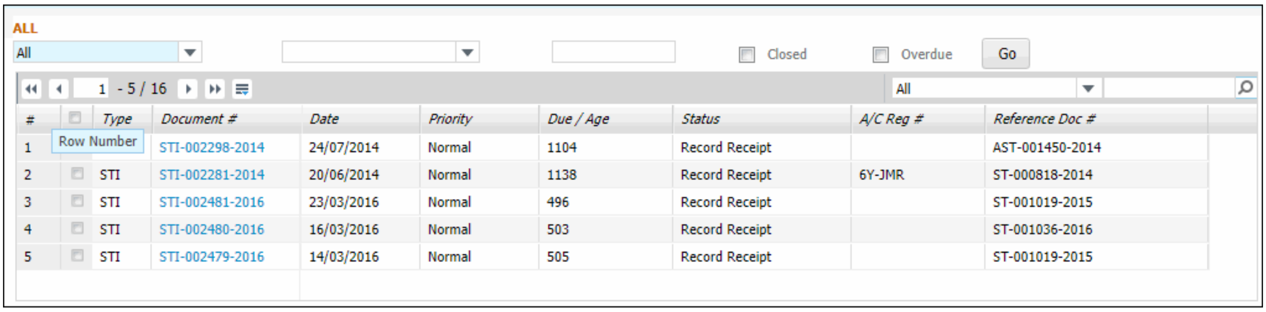
Document Status wise Tree Display - Sub Nodes Logic

- **Transfer Issue:**
  - Draft: Count of the Stock Transfer Issues in Draft status, for a given Warehouse.
  - Fresh: Count of the Stock Transfer Issues in Fresh status, for a given Warehouse.
  - Orders – Due for Issue: Count of the Stock Transfer orders created from a given Warehouse, that are in Authorized status with the Need Date less than or equal to the current system date (with Stock Transfer Issue not being recorded for at least one part).
  - Orders – Not Due: Count of the Stock Transfer orders created from a given Warehouse that is in Authorized status with the Need Date greater than the current system date (with Stock Transfer Issue not being recorded for at least one part).
- **Transfer Receipt**:
  - To be confirmed: Count of the Stock Transfer Receipts that are in Fresh status, in the given Warehouse.
  - Orders pending for Receipt: Count of the distinct Stock Transfer Orders (for a given To Warehouse #), against which the Stock Transfer Issue is in Confirmed status, but Stock Transfer Receipt is not recorded.
- **Material Loss:**
  - To be confirmed: Count of the Material Loss documents recorded against a Stock Transfer document for a given Warehouse # that are in Fresh status.
- **Transfer Order:**
  - Draft: Count of the Stock Transfer orders created from a given Warehouse that is in Draft status.
  - To be authorized: Count of the Stock Transfer orders created from a given Warehouse that is in Fresh status.
- **Intra Warehouse Transfer:**
  - Draft: Count of Intra Warehouse Stock Transfer Orders created from a given Warehouse that is in Draft status.
  - To be authorized: Count of the Intra Warehouse Stock Transfer orders created from a given Warehouse that are in Fresh status.

Document List Panel (Transfer function)

This section shows the key information of the documents contributing to the count of a given child node of the tree section. This section is populated on the click of the child node of the tree section.

Exhibit-29: Identifies the Document List Panel in **Transfer** function



#		Type	Document #	Date	Priority	Due / Age	Status	A/C Reg #	Reference Doc #
1			STI-002298-2014	24/07/2014	Normal	1104	Record Receipt		AST-001450-2014
2		STI	STI-002281-2014	20/06/2014	Normal	1138	Record Receipt	6Y-JMR	ST-000818-2014
3		STI	STI-002481-2016	23/03/2016	Normal	496	Record Receipt		ST-001019-2015
4		STI	STI-002480-2016	16/03/2016	Normal	503	Record Receipt		ST-001036-2016
5		STI	STI-002479-2016	14/03/2016	Normal	505	Record Receipt		ST-001019-2015

In addition, this section also provides the user an alternative way of traversal in the HUb, *'Direct Search'*. By this 'Direct Search', the user need not take the tree section route to view the Document List Panel. Instead, directly, the drop-downs available over the multiline can be used to select desired Search Criteria to view the Document List.

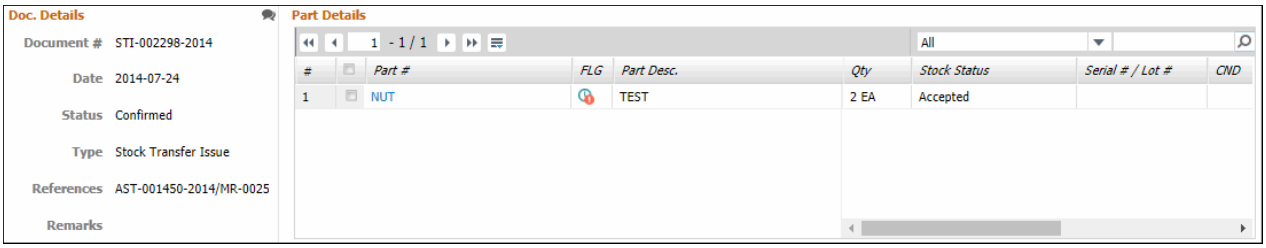
- The Check-Box 'Closed', offers the user to fetch even the Canceled or Closed or short closed documents for Transfer Issue or Transfer Receipt or Material Loss or Transfer Order or Intra Warehouse Transfer.
- The Check-Box, 'Overdue', offers the user to fetch only those Transfer Issue or Transfer Receipt or Material Loss or Transfer Order or Intra Warehouse Transfer that are Overdue (i.e.) Due Date is earlier than the current server date.

In addition, possible actions are provided below the Document List panel. These actions will help the user to Confirm and Cancel the Transfer Issue or Transfer Receipt or Stock Transfer Order documents directly without traversing to respective screens.

Document Preview Panel (Transfer function)

This section has two sub-sections: Document Details and Part Details, to enlist the document level and the Part level details of the Document that is selected from the Document List Panel multiline. This section is populated with the data on the click of the Document # in the Document List panel.

Exhibit-30: Identifies the Document Preview Panel in **Transfer** function



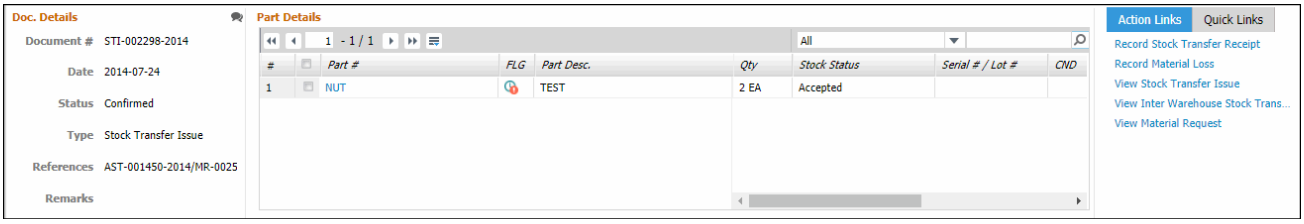
#		Part #	FLG	Part Desc.	Qty	Stock Status	Serial # / Lot #	CND
1		NUT		TEST	2 EA	Accepted		

Action Links & Quick Links Panel (Transfer function)

Action Links

This section comprises of the next possible action links for a given document based upon the Next Action displayed in the Next Action column of the Document Preview Panel. This section is populated along with the Document Preview Panel on click of the Document # in the Document List Panel.

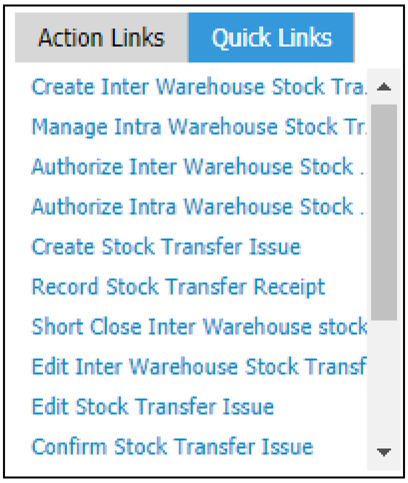
Exhibit-31: Identifies the Document Preview Panel along with Action Links in **Transfer** function



Quick Links

This section comprises of links to all the possible routine activities. This section is populated on the launch of the Hub.

Exhibit-32: Identifies the Quick Links section in **Transfer** function



Note: This feature involves commercials and is not available for all customers. Please contact your Ramco Account Manager.

Ability to manage MOD details at Part # - Serial # and visibility of MOD information in Inquire Stock Availability

Reference: AHBG-16175

Background

Part Modification is an activity for modifying / upgrading part with superior properties and is driven through regulatory document such as Service Bulletins (SB's), CMM's etc. Whenever a part is modified / upgraded then the Part # - Serial # will be assigned with the new MOD #, which can be used for tracking purpose. Current Framework in Ramco does not support Part Modification Feature. Hence the business requirement is to update the Part- Serial level MOD details.

Change Details

1. A new activity **Manage Part Serial MOD Details** is added under the **Stock Maintenance** business component to manage / view the list of Mod #s complied on a specific Part # - Serial # or across Part # and Serial #.
2. Mod information will be displayed in **Inquire Stock Availability** screen, so that when a general stock inquiry is done, mod details are also seen against respective Serial #s.
3. The new screen **Manage Part Serial MOD Details** is provided as a link across multiple components.

Manage Part-Serial MOD details

A new activity **Manage Part Serial MOD details** is added under the **Stock Maintenance** business component to manage / view the list of Mod #s complied on a specific Part # - Serial # or across Part # and Serial #. The page allows to record / authorize / reverse the Part Serial Mod compliance details.

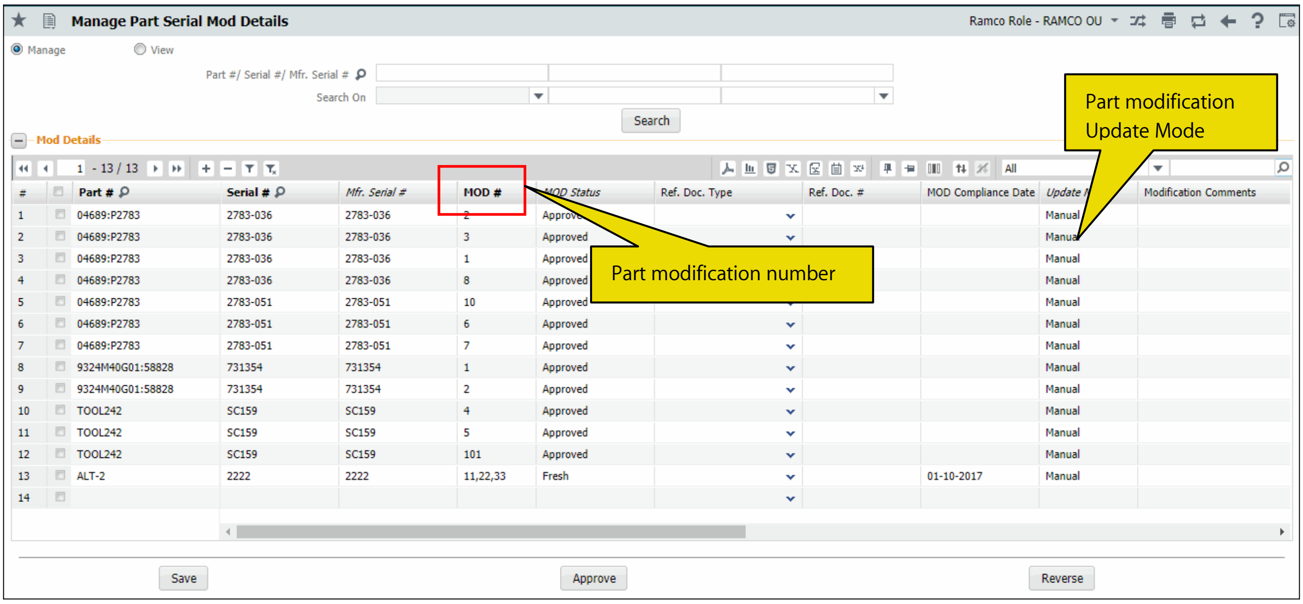
Using Manage/View radio button user can record or View the MOD details. Also using the search function, user can retrieve the mod details for a part serial combination either by directly entering a serial controlled part or enter the search criteria. MOD details can be updated or modified in the Part Serial MOD details multiline.

1. MOD # - The unique number identifying the part modification.
2. MOD Status - The status of part-serial modification which could be 'Fresh', 'Approved' or 'Reversed'.
3. MOD Compliance Date - The date on which the modification is complied on the serial controlled part. The MOD Compliance date must be lesser than or equal to the current date.
4. Update Mode – The part serial modification update mode, which could be either 'Auto' or 'Manual'.
   - Auto - if the system auto-inherits/updates the MOD details for the Part Serial upon completion of a Work Order.
   - Manual – if the user updates the MOD details manually using the manage Part Serial MOD details.
5. Modification Comments – Any additional comments pertaining to the part modification.
6. Reason for Reversal – Enter the reason for which the part modification compliance is reversed.
7. Click on **Approve** pushbutton to approve the part serial mod details. The MOD status is changed to "Approved" for the authorized records.
8. Reversal comments are mandatory for MOD reversal. Upon Reversal of MOD # status will be changed to Reversed.

Note: Reversal of MOD details is allowed only for the records having the status 'Approved'

Note: When a MOD task is added in the Work order, then upon completion of Work Order, system updates the MOD details for the Part Serial combination automatically in Manage Part Serial MOD details.

Exhibit 1: Identifies the **Manage Part Serial MOD Details** activity in **Stock Maintenance** business component



Inquire Stock Availability

A new check box 'MOD Info' is added in the **Display Options** group box in the **Inquire Stock Availability** screen, to display approved MOD details against respective Serial #s when a general inquiry is done. A new column 'Mod #' is added in the Search Results multiline. The Mod # should be displayed for the Part # - Serial # combination, only when 'MOD Info' check box is enabled. If the MOD # is not available for the selected Part # - Serial Combination the display 'Blank'. Also if the 'MOD Info' checkbox is not checked, then display the MOD # as blank in the Search Results multiline. If MOD #s are applicable, but not complied then display blank. If MOD #s are applicable and are complied, then the system displays the MOD # as shown in the below example.

Example:

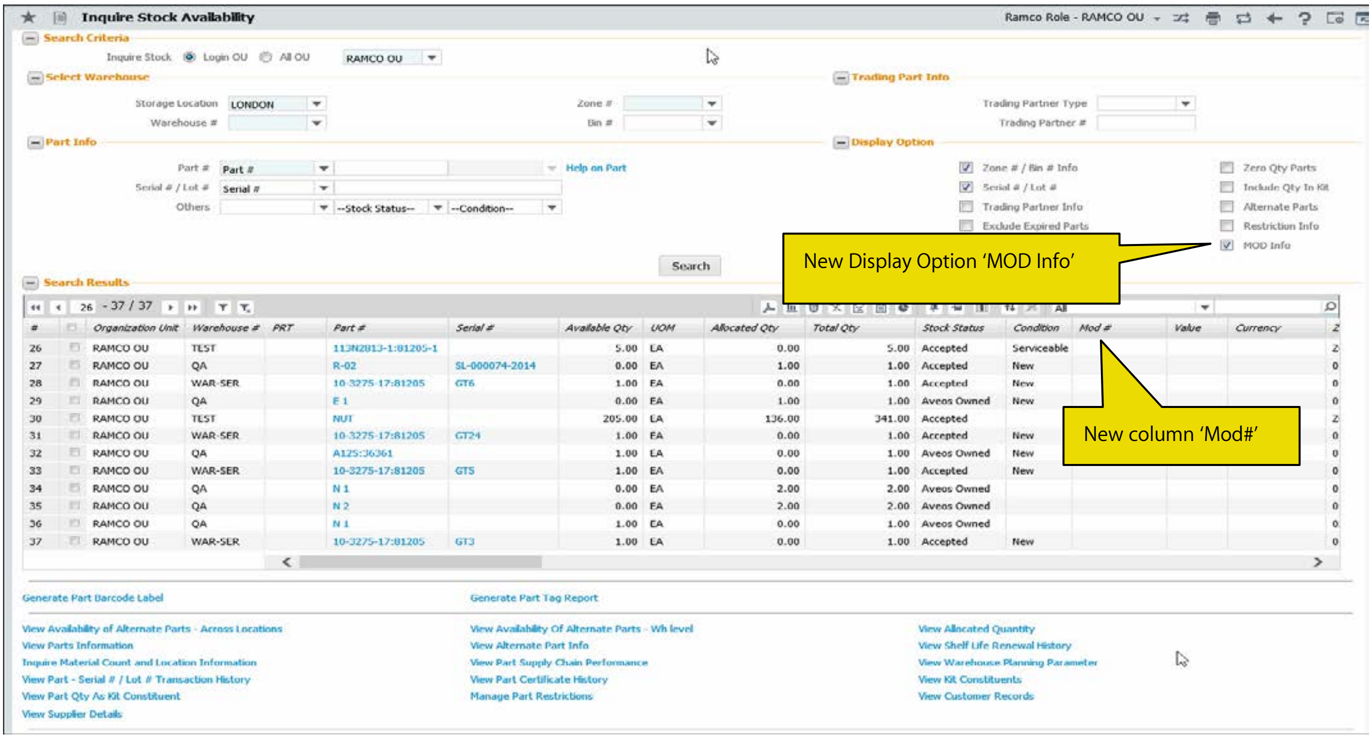
Part #	Serial #	MOD #	MOD status	MOD complied date
P1	S1	1	Approved	1-Aug-17
P1	S1	2	Approved	5-Aug-17
P1	S1	5	Approved	7-Aug-17
P1	S1	7	Reversed	10-Aug-17
P1	S1	8	Fresh	11-Aug-17

'Mod #' is displayed in the **Inquire Stock availability** screen as shown below:

Part #	Serial #	Qty	MOD #
P1	S1	1	1,2,5

Note: If the search result is not going to display both Part # and Serial #, then display the Mod # column as 'Blank'

Exhibit 2: Identifies the **Inquire Stock Availability** screen



New screen **Manage Part Serial Mod Details** is added as a link in various screens across business components.

1. Goods Inward:
   - Manage Goods Receipt
2. Shop Work Order:
   - Record Shop Execution Details
3. Stock Return:
   - Create Maintenance Return
   - Create General Return
   - Edit Return
   - Create Unplanned Return
   - Edit Unplanned Return
4. Stock Receipt:
   - Record Stock Transfer Receipt
   - View Stock Transfer Receipt
   - Create Unplanned Receipt
   - View Unplanned Receipt
5. Loan / Rental Receipt:
   - Create Loan / Rental Receipt
   - Edit Loan / Rental Receipt
   - View Loan / Rental Receipt

Exhibit 3: Identifies the link addition in **Manage Goods Receipt** screen

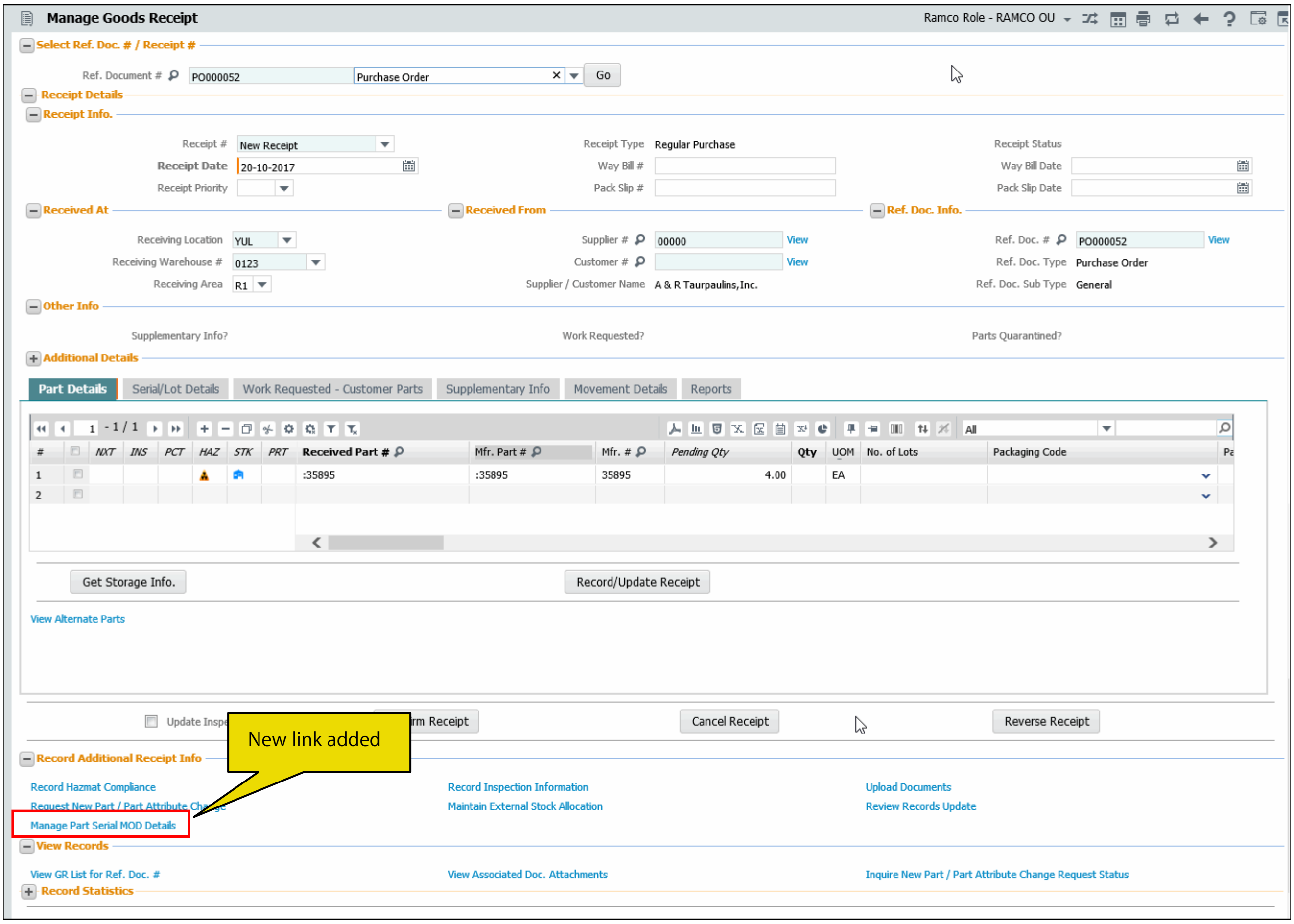
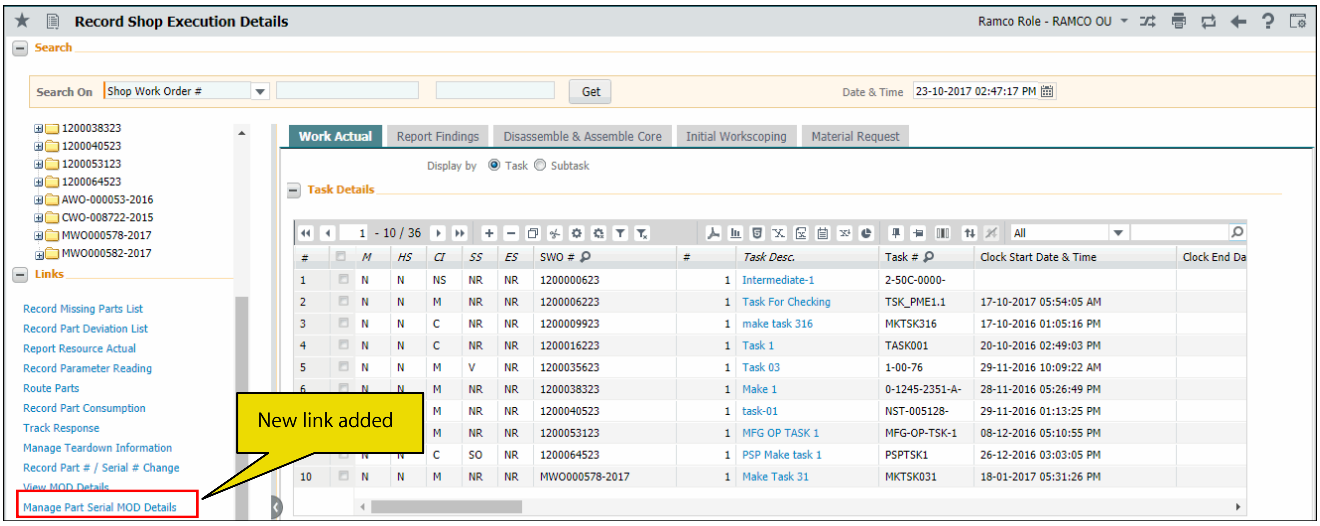


Exhibit 4: Identifies the link addition in **Record Shop Execution Details** screen



Ability to view Part Serial Name Plate using Smart Popup

Reference: AHBG-15469

Background

Currently, in Ramco Aviation Solution, there is a provision to verify the Part related information like Basic Part Details, Maintenance Details, Sourcing Details in Part Name plate. But the screen provides only basic information like Last transaction details and Due dates for the Part # - Serial # / Lot # combination. Business requirement to display complete overview of the Part # – Serial #/Lot # combination like Component Replacement History, Transaction History & Condition history details in the same screen along with Tech record status of Part #. Hence the Part Name Plate is enhanced to provide multiple information for a given Part # - Serial # / Lot # combination.

Change Details

The **Part Serial Name Plate** smart popup can be launched by clicking the hyperlinked Serial # / Lot # in the '**Inventory Operations Hub**' and '**Inquire Stock Availability'.** This popup enables quick review of Part - Serial/Lot reference details and is integrated with various functions to retrieve and display the required details for a given Part - Serial / Lot # combination.

i. **Aircraft** business component to retrieve the current location, Parameter Values and Remaining Life of the Component Record.

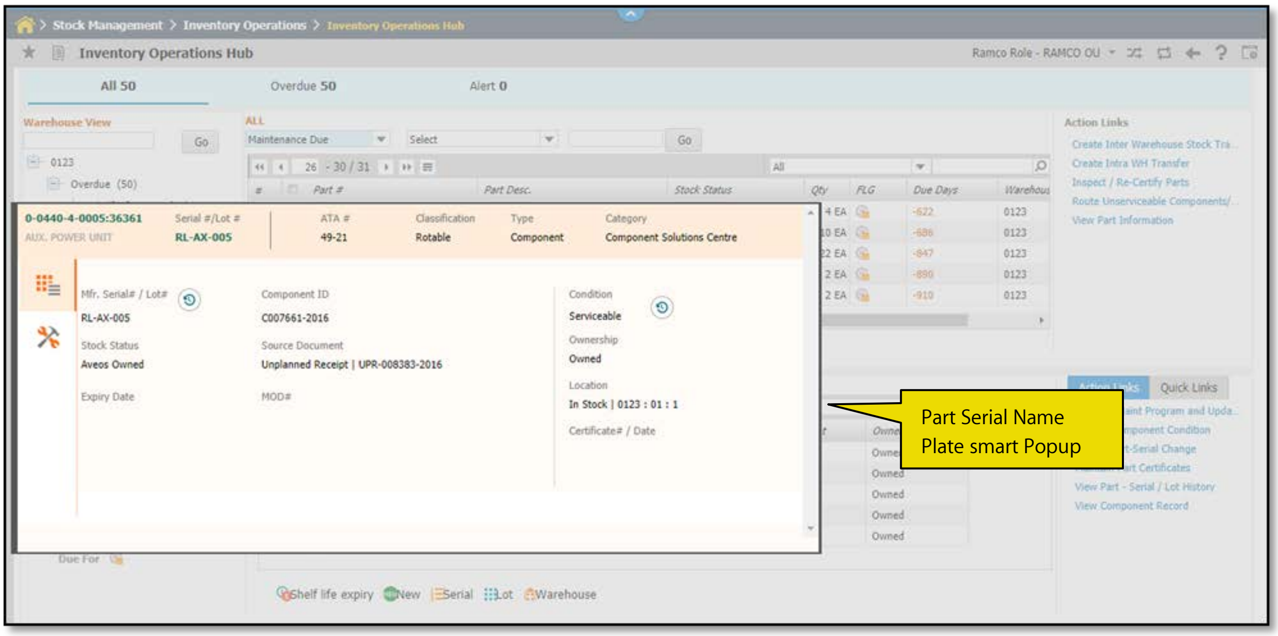
ii. **Tech Records** to retrieve the Tech Record status of the Component Record.

iii. **Compliance Tracking & Control** business component to retrieve the "Next Due At" value for the Component record.

The **Part Serial Name Plate** smart popup displays details like Part #, Part Description, ATA #, Classification of the part, Part Type, Part Category and internal Serial # / Lot of the part in the header and the following tabs:

1. Serial Lot Information tab
2. Maintenance Information tab

Exhibit 1: Identifies the **Part Serial Name Plate** smart popup invoked from **Inventory Operations Hub**



1. **Serial Lot Information tab**:

This tab displays the following details of the part:

- **Mfr. Serial # / Mfr. Lot #** - The Mfr. Serial # corresponding to the Serial # of the Part, displayed Serial Controlled Parts. Also, the Mfr. Lot # corresponding to the Lot # of the part is also displayed for Lot Controlled parts).
- **Component #** - The Component # pertaining to the Part # - Serial # combination from the interacting **Aircraft** business component (will be available only for the Component Parts).
- **Stock Status** - The Stock Status of the Part # - Serial # or the Part # - Lot # combination
- **Source Document #** - The concatenation of the Source Document type and the Source Document # for the Part - Serial # or Part - Lot # combination as available in the stock records.

Note: The different Source Document Types include "Goods Receipt", "Repair Receipt", "Opening Balance", "Physical Inventory", "Cycle Count", "Stock Correction", "Loan / Rental Receipt", "Unplanned Receipt", "Stock Return", "Component Replacement", "Facility Record". For Example: "Goods Receipt | GR-000230-2013"

- **Expiry Date** - The Expiry Date for the Part # - Serial # or Part # - Lot # combination. If the Part is a Shelf Life Controlled Part, but there is no Expiry Date, then the Expiry Date is displayed as "Not Available".
- **MOD #** - The Mod # corresponding to the Part - Serial # combination of the Part #.
- **Condition** - The condition of the Part # - Serial # or the Part - Lot # combination.
- **Ownership** - The "Ownership" and "Trading Partner Name" for the 'Part # - Serial #' or the 'Part # - Lot #' combination are concatenated and displayed.
- **Location** - The Location Information for the Part - Serial # or Part - Lot # combination.
- **Certificate #/Date** - The Certificate Type, Certificate # and the Certificate Date for the Part - Serial # or the Part - Lot # combination are concatenated and displayed.

*Note: Click the Mfr. Serial # /Lot # history icon provided alongside the **Mfr. Serial # / Mfr. Lot # field** to display the last 5 Transactions for the Part # - Serial # or Part # - Lot # combination as a popup.*

*Click the Condition History icon provided alongside the **Condition** field to display condition history for Part # - Serial # or Part # - Lot # combination as a popup.*

Exhibit 2: Identifies the **Serial Lot Information** tab in the **Part Serial Name Plate** smart popup

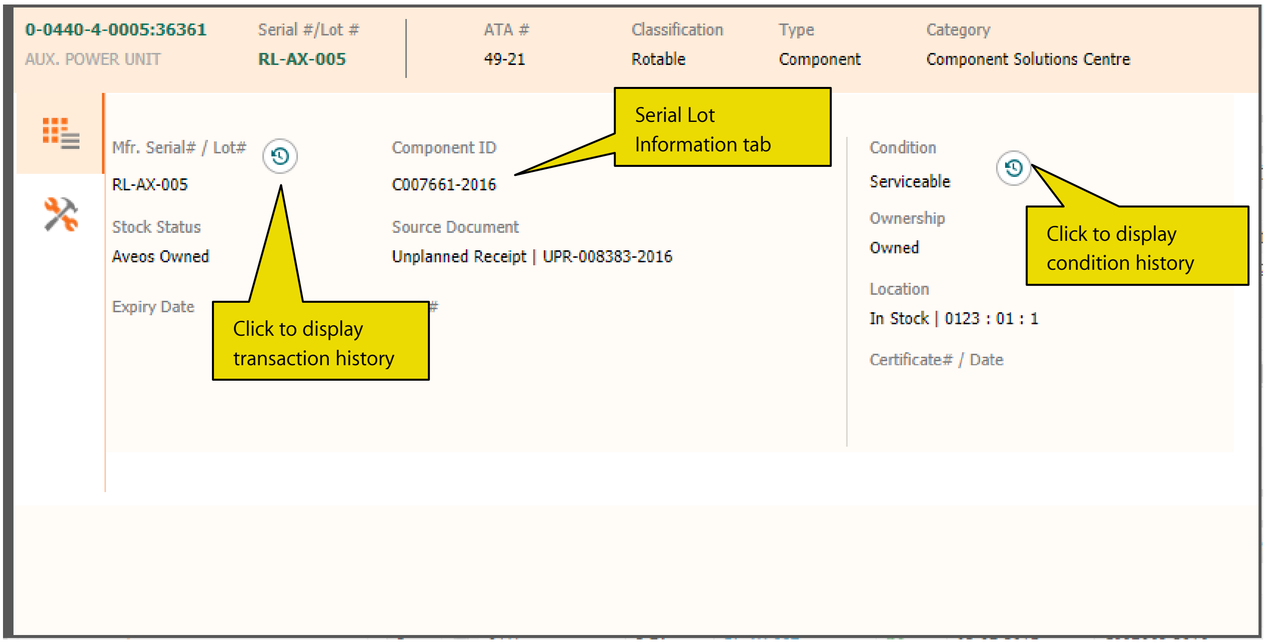
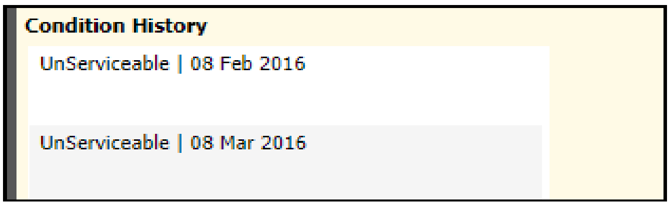


Exhibit 3: Identifies the **Mfr. Serial # / Lot #** Transaction History in **Serial Lot Information** tab in the **Part Serial Name Plate** smart popup

Exhibit 4: Identifies the **Condition History** in the **Serial Lot Information** tab of the **Part Serial Name Plate** smart popup



2. **Maintenance Information tab**:

The **Maintenance Information** tab provides the following sections:

i. *Parameter Info.:* This section displays the following parameter details of the part for the given Serial # / Lot # combination.

- **Parameter Values** - The concatenation of the current FH and FC values for the given Component. E.g. "100 FC |

300 FH".

- **Next Due at** - The Parameter Values / Date at which the Component is due for maintenance. If multiple values exist, the values are concatenated and displayed. For example, if a Component has Tasks, T1 due at 250 FH; T2 due at 100 FC and T3 due at 30.11.2013, then this field should be displayed as "250 FH | 100 FC | 30.11.2013"

ii. *Program Info.:* This section displays the program details of the part.

- **Remaining Life** - The Remaining Life of the Component # for lifed parts. If the part is not lifed, this field is left blank.
- **Remaining Days/Values** - The Remaining Days / remaining parameter values of the component # for the lifed part.
- **Triggering Task #** - The Task # or a Standard procedure or a work package, to be performed as part of the work package. The Task # and Task Description for the given component are concatenated and displayed.
- **Last Comp. Repl.** - The Last Component Replacement # for the Part - Serial # or Part - Lot # combination as available in the Component Replacement history is displayed.

Note: Click the Component Replacement History icon ' ' provided alongside to display all the Component Replacements generated for the Part #- Serial # or Part # - Lot # combination in a separate popup.

iii. *Tech. Records Info.* This section displays the tech records details for the component part.

- **Component Status** - The Component Status of the component Part # available in the **Aircraft** business component..
- **Config Status** - The status of the component configuration for the given component #.
- **Assembly Status** - The status of the assembly component for the given component # - Indicates whether all sub assembly components are associated to all the active position codes in the component configuration.
- **Program Status** - The status of the Maintenance Program for the given component #.

Exhibit 5: Identifies the **Maintenance Information** tab in the Part Serial Name Plate smart popup

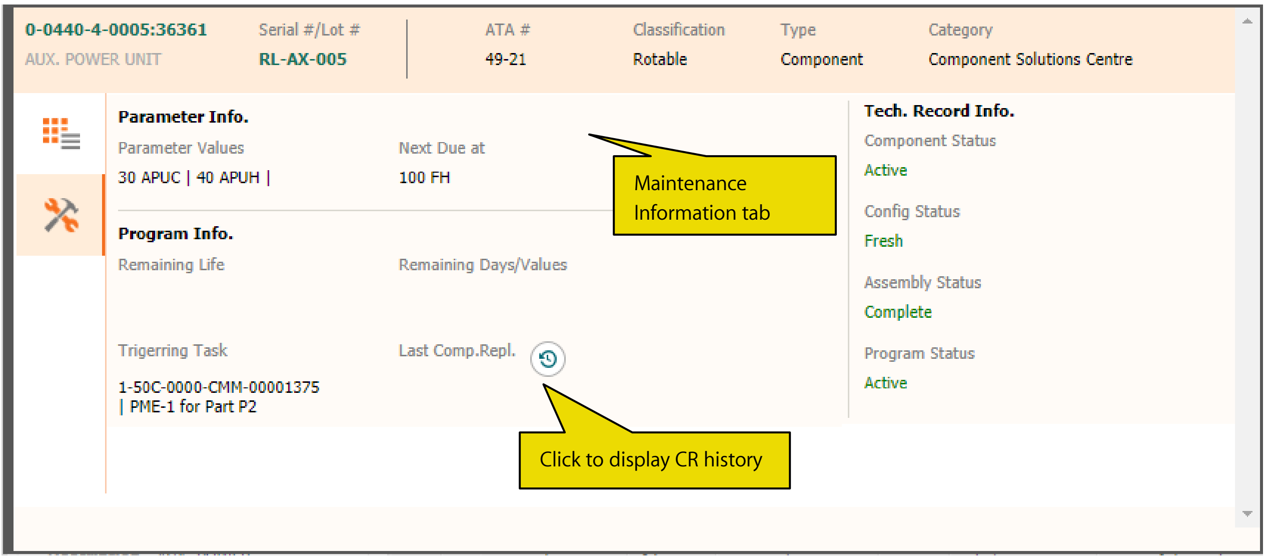
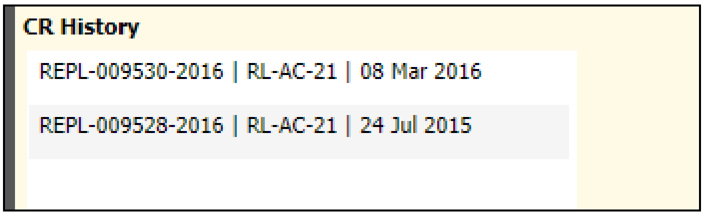


Exhibit 6: **Identifies** the **Component Replacement** History in **Maintenance Information** tab in the **Part Serial Name Plate** smart popup



Note: Engineering Information and Finance Information for the Part # - Serial #/Lot # combination will be available as a separate tab information in the Part Serial Name Plate in the future Enhancement.

Ability to review previous history of shipment of part using smart popup

Reference: AHBG-15365

Background

When a part needs to be shipped to Customer or Supplier location, Shipping Administrator needs to choose a right Carrier and Shipping Method considering the freight cost and delivery timelines etc. To identify the appropriate Carrier information, Shipping Administrator has to refer previous history of the shipment for a given part between From and To destinations. Verifying the Shipping Note history one by one is cumbersome process. Smart Shipping History popup aids the Shipping Administrator to select the right Carrier swiftly without requiring to visit multiple screens. Smart Shipping History provides the preview of Shipping Information like Carrier, Shipping Method, Freight Charges, Package and Freight information for the latest 5 transactions.

Change Details

A new column 'History' which displays the Shipment History icon '' is added in the 'Part Details' multiline of the **Record Shipping Note** activity. On mouse hover of History icon, the system displays the last carrier information for the combination of selected Part, From Destination and To Destination. On clicking the Part Shipment History icon, the system displays the **Shipping Note** Smart Popup.

Shipping Note Smart Popup

The Shipping Note popup displays the following shipment details of the part:

1. Header Details
2. Shipping History List
3. Shipping Information
    a. Shipping Note #
    b. Package Info
    c. Shipping Information - Freight Info
    d. Shipping Information - Doc. Info

1. Header Details:

The system displays the following details in the header.

- **Part #:** Displays the Shipping Part #
- **Part Description:** Displays the Description of the Part #
- **Sender Location Info**: Displays Ship From (i.e. Shipping Warehouse) details like Sender Name, Sender Address, City, State, Country and Zip Code.
- **Movement Icon**: Display the Movement icon '' next to the Ship From details

- **Recipient Location Info**: Displays Ship to address (i.e. Customer # or Supplier # or Warehouse #) details like Recipient Name, Ship to Address, City, State, Country and Zip Code.

2. *Shipping History List:*

The system displays the shipping note transactions for the combination of shipped part # from the Shipping Warehouse to Ship to customer # & Address ID, in the following format:

Display of Elements

| Example

Carrier Code Net Weight Freight Charges UOM | FedEx 20 LB 112 USD

Shipping Method Ship Note Date | FedEx Ground 20-Jul-17

3. *Shipping Information:*

The Shipping note details are displayed corresponding to the record selected in the Shipping History List. The system displays various details like Shipping Note #, Package information, freight details and document information.

a. **Shipping Note #**: The Shipping Note for the record selected in the Shipping History list.

b. **Package Info**: The packaging code, packaging dimension and the net weight of the package are displayed for the selected Shipping Note #.

c. **Freight Info**: The Freight Charges, Freight Terms and INCO Terms available for the selected Shipping Note # are displayed in this section.

d. **Doc. Info**: The document details like Way Bill #, Ref. Doc. Type and the INCO Terms (International Commercial Terms) available for the selected Shipping Note # are displayed here.

Exhibit 1: Identifies the **Shipping Note** smart popup invoked from **Recording Shipping Note** screen

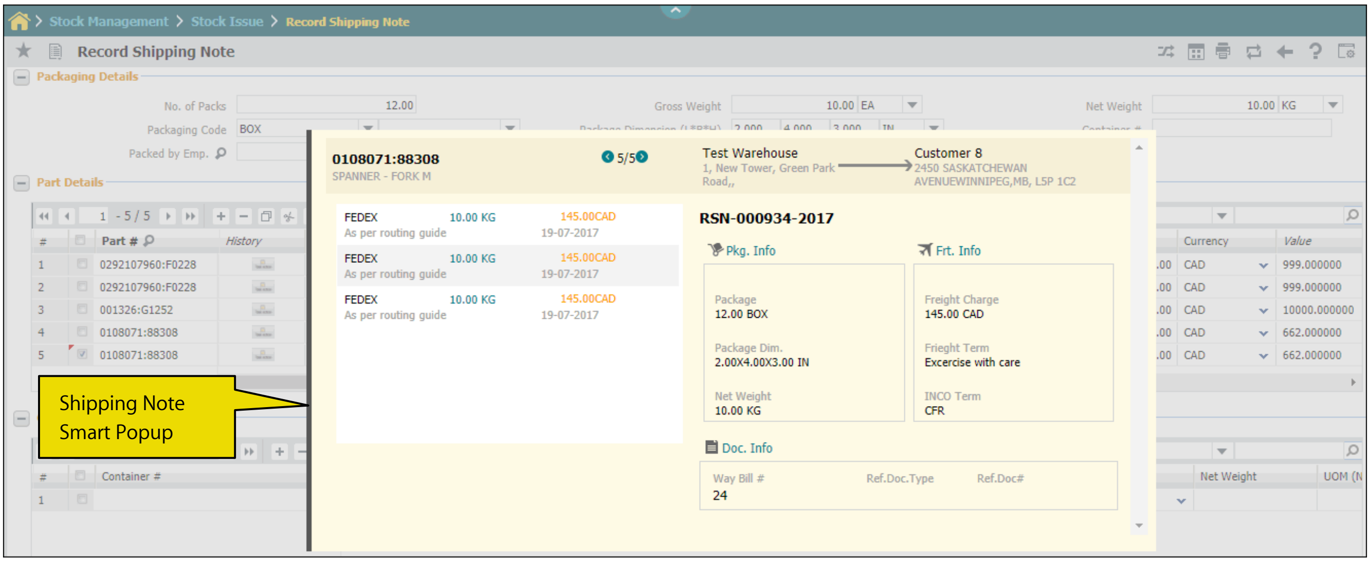
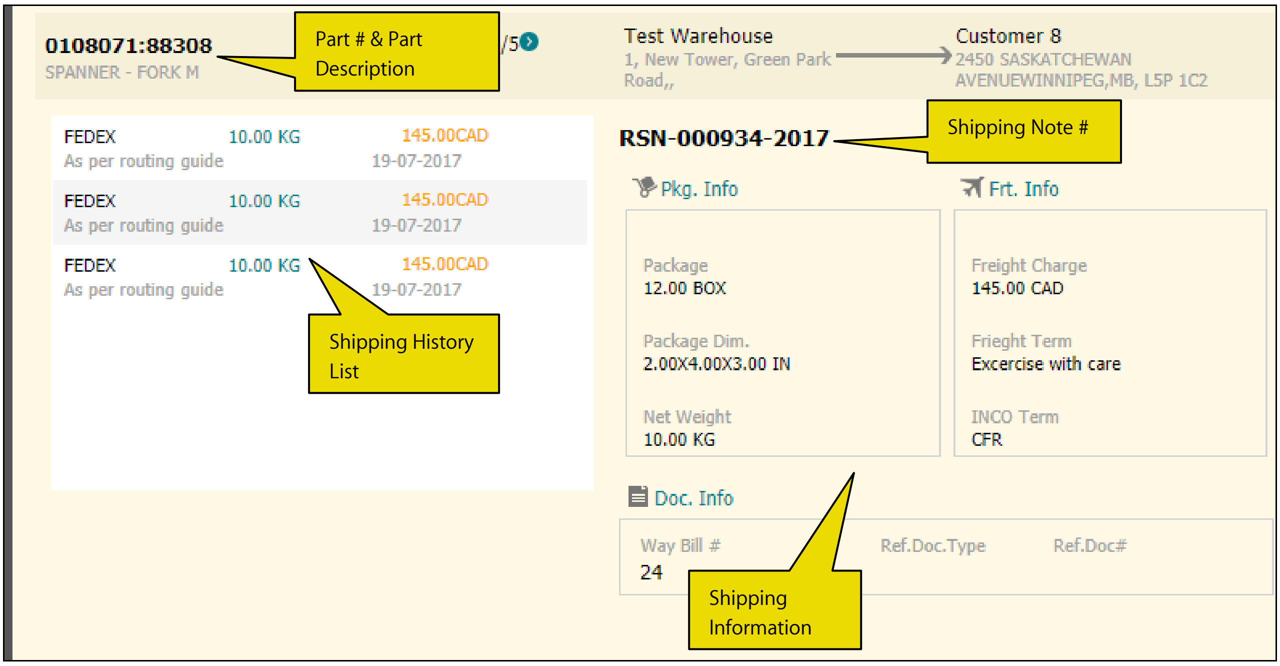


Exhibit 2: Identifies the **Shipping Note** smart popup



Ability to compute inventory revaluation across warehouses and part types

Reference: AHBG-10518

Background

In Ramco, for computing inventory revaluation across locations, it is required to compute it separately for every combination of warehouse and part type. Computing inventory Revaluation for each Warehouse or part type is a time consuming and cumbersome process. Hence a provision is required to compute the inventory revaluation across warehouses and part types in one go.

Change Details

With the help of this new enhancement, user can compute the Inventory Revaluation across all the warehouse or Part Types in one go. Also Inventory Revaluation document status is enabled to track the progress of document.
This enhancement provides the following features:

- Inventory Valuation processing at Storage Location level
- Inventory Valuation processing across Part types
- Provision to compare the system arrived Supplier Price list value with the modified market rate
- Provision to compute the Supplier Pricelist value including the Charges and Discounts mapped with the supplier
- Track the Status of Inventory Revaluation document

Compute Inventory Revaluation screen

The following changes are made in the **Compute Inventory Revaluation** screen.

1. In the 'Inventory Revaluation Details' section:
   - New display only field 'Status' is added.
   - New Combo UI field 'Storage Location' is added.
   - Warehouse # and Part Type are made Non-Mandatory fields.
2. In the 'Part Details' multiline of 'Stock Revaluation Details' tab:
   - New Columns 'Warehouse #' and 'Stock Correction #' are added.
   - New Columns 'Supplier #', 'Supplier Pricelist Value' are added.
3. In the 'Stock Revaluation Summary' section of the Stock Revaluation details tab:
   - Stock Correction # display only field is removed.

View Inventory Revaluation screen

This activity is renamed 'Edit/View Inventory Revaluation'

4. In the Search Criteria section,
   - New combos 'Storage Location' and 'Status' are added.
   - In Search Details multiline, 'Status' and 'Created date' are added.

Logic Changes

a. Storage Location selection is made mandatory for performing Inventory Revaluation.

b. On clicking 'Analyze Revaluation' button, Revaluation # will be generated with status as 'Draft'.

c. An offline scheduler will pick up the 'Draft' Revaluation # and initiate process of identifying the parts that are eligible for Inventory Revaluation, comparing the current stock value with the Supplier Price List value. Status will be updated as 'Inprogress'.

d. Once the scheduler completes the processing, if there are parts applicable for revaluation, the Inventory Revaluation document status will be updated as 'Fresh' and the same will be displayed in the **Compute Inventory Revaluation** screen when launched from **Edit / View Inventory Revaluation** activity. If there are no parts, the document status will be updated as 'Cancelled'. Part's eligibility for revaluation is handled based on the following logic:

   Any Part #-Serial # or Part #-Lot # combination that is available in stock with the current stock rate greater than the sum of Cost, Supplier and/or Part level charges and discounts (with basis as Percentage) defined for that part in the Supplier master, will be considered for revaluation. The current stock rate taken for validation varies based on the 'Valuation Method - Valuation Level' combination selected for Inventory Revaluation.

   - If the Valuation Method is selected as 'Actual Cost', then the rate is considered at Warehouse # – Part # - Serial/Lot # - Stock Status level and all these values will be displayed in the multiline.
   - If the Valuation Method is selected as 'Weighted Average' and Valuation Level is selected as 'Warehouse', then the rate is considered at Warehouse # – Part # - Stock Status level and all these values will be displayed in the multiline.
   - If the Valuation Method is selected as 'Weighted Average' and Valuation Level is selected as 'Location', then the rate is considered at Part # - Stock Status level and these values will be displayed in the multiline. In addition to these values, to have Stock Correction generated, one of the warehouses where the part is stocked will be displayed in the multiline. These Revaluation documents in 'Fresh' status can be selected from the **Edit/View Inventory Revaluation** screen**.**

e. On click of 'Update' button, Stock Correction and/or Journal Voucher will be generated based on the Revaluation Type and document status will be updated as 'Closed'.

Exhibit 1: Identifies the controls added in **Compute Inventory Revaluation** screen

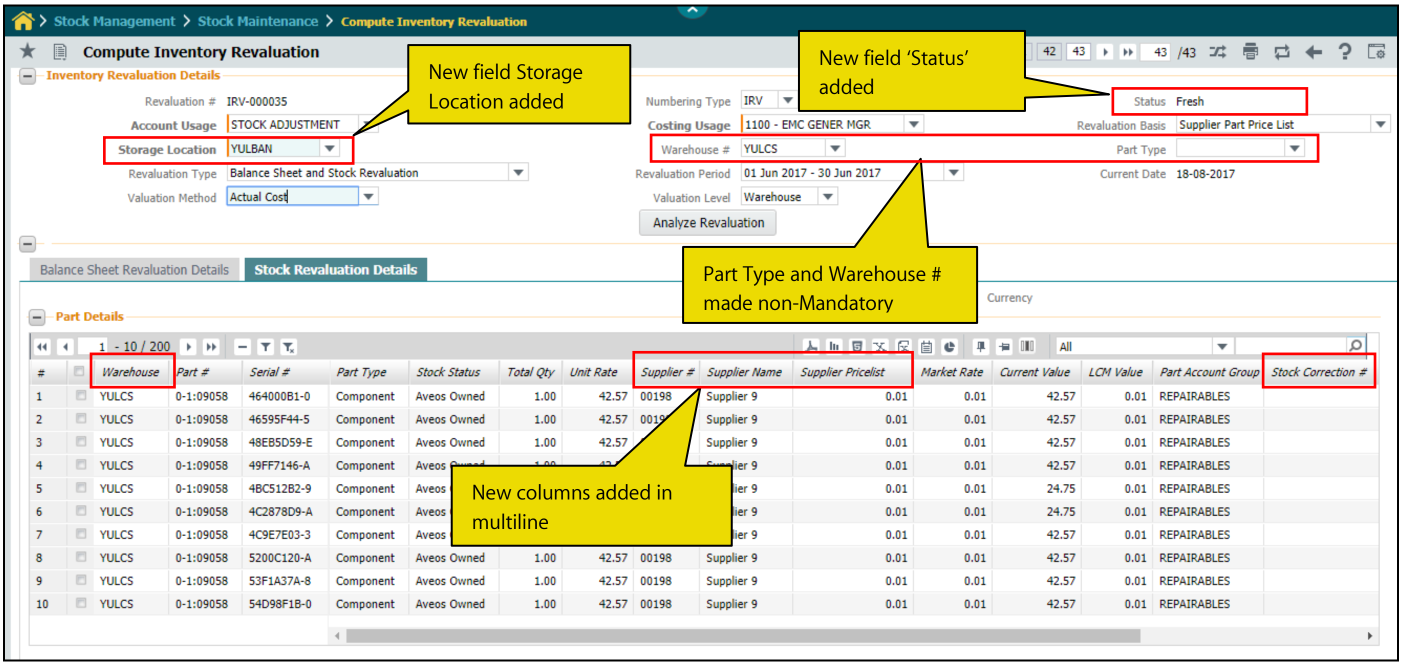
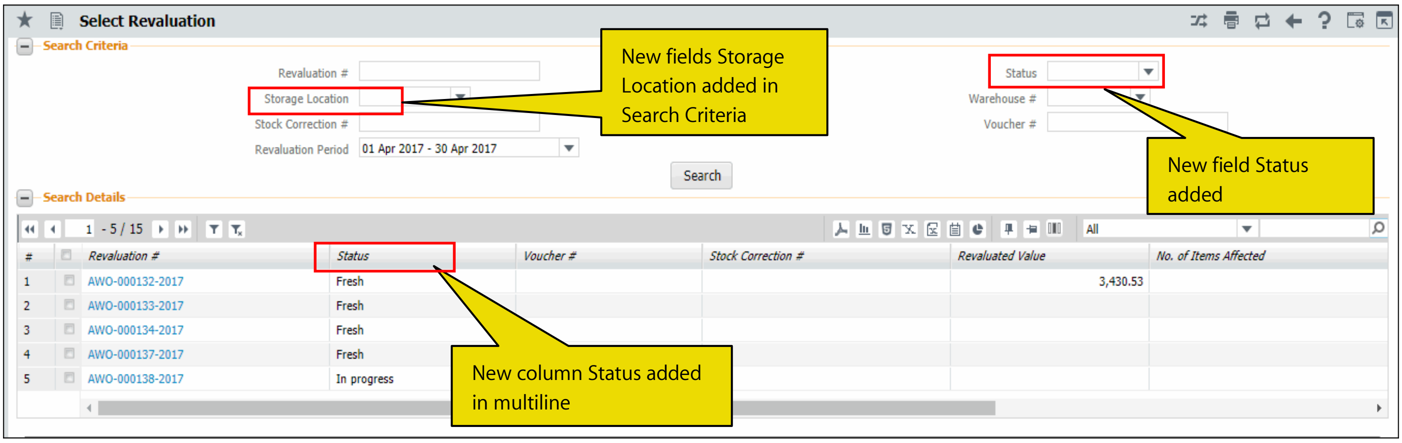


Exhibit 2: Identifies the controls added in **Edit / View Inventory Revaluation** screen



Ability to display annual consumption details for kit constituents parts

Reference: AHBG-17980

Background

Currently, when a non-returnable build kit is issued, then system will automatically update the consumption quantity for the kit part alone. Ideally kit part consumed means kit constituents will also be considered as consumed. But, there is no such provision to update consumption quantity against a kit constituent part when a kit part is consumed. Hence there is a requirement is to update the consumption quantity of kit constituent whenever kit part is consumed.

Change Details

Kit constituent part consumption qty should be shown for kit constituents in the **View Part Supply Chain Performance** screen when the non-returnable build kit part is issued.

Example: Two kit constituents (KS1, KS2) with multiple Qtys are used to build the non-returnable kit part.

Build Kit Details:

Kit Part	*Kit Part Qty*	*Kit Constituents*	*Constituent Qty*
KIT1	*1*	*KS1*	*2*
KIT1	*1*	*KS2*	*3*

When a non-returnable kit part (KIT1) is issued against Maintenance or General Issue document, then consumption quantity of the each constituent should be displayed as follows:

Kit Constituent	*Consumed Qty*
KS1	*2*
KS2	*3*

Note: When a kit constituent part is returned as an excess Return in the later time, then consumption qty of the kit constituent part that is updated should be reversed.

For returnable kit parts (build kit), consumption quantity of the kit constituents should not be shown in Part Supply Chain Performance.

Ability to display Mfr. Lot # along with Internal Lot # for traceability in transactions (Phase-2)

Reference: AHBG-15282

Background

Currently in Ramco M&E, if a lot controlled part is moved from its respective warehouse-zone-bin or zone-bin or bin, system generates new internal lot # for better identification. However, in this process, it will become tedious to track the part through internal lot # as it keeps on changing on Part's movement. Hence, business requirement is to display Manufacturer Lot # along with internal lot # in transactions and reports for better traceability of the part. This feature enhances usability to a greater extent.

Change Details

To address the above business need, a display only control 'Manufacturer Lot #' is added in the following screens:

- Edit Serial# / Lot# Details (Edit Intra Warehouse Stock Transfer)
- Edit Serial# / Lot# Details (Edit Inter Warehouse Stock Transfer)
- Record Shipping Note
- View Shipping Note
- Enter Physical Inventory Count Results
- Edit Serial #/Lot #/Condition Details (Edit Stock Conversion)
- View Serial #/Lot #/Condition Details (View Stock Conversion)
- Create Repair Order
- Edit Repair Order
- View Repair Order
- View Loan or Rental Receipt

Exhibit 1: Identifies the display of 'Manufacturer Lot #' in **Edit Serial # / Lot # Details (Edit Intra Warehouse Stock Transfer)** screen**.**

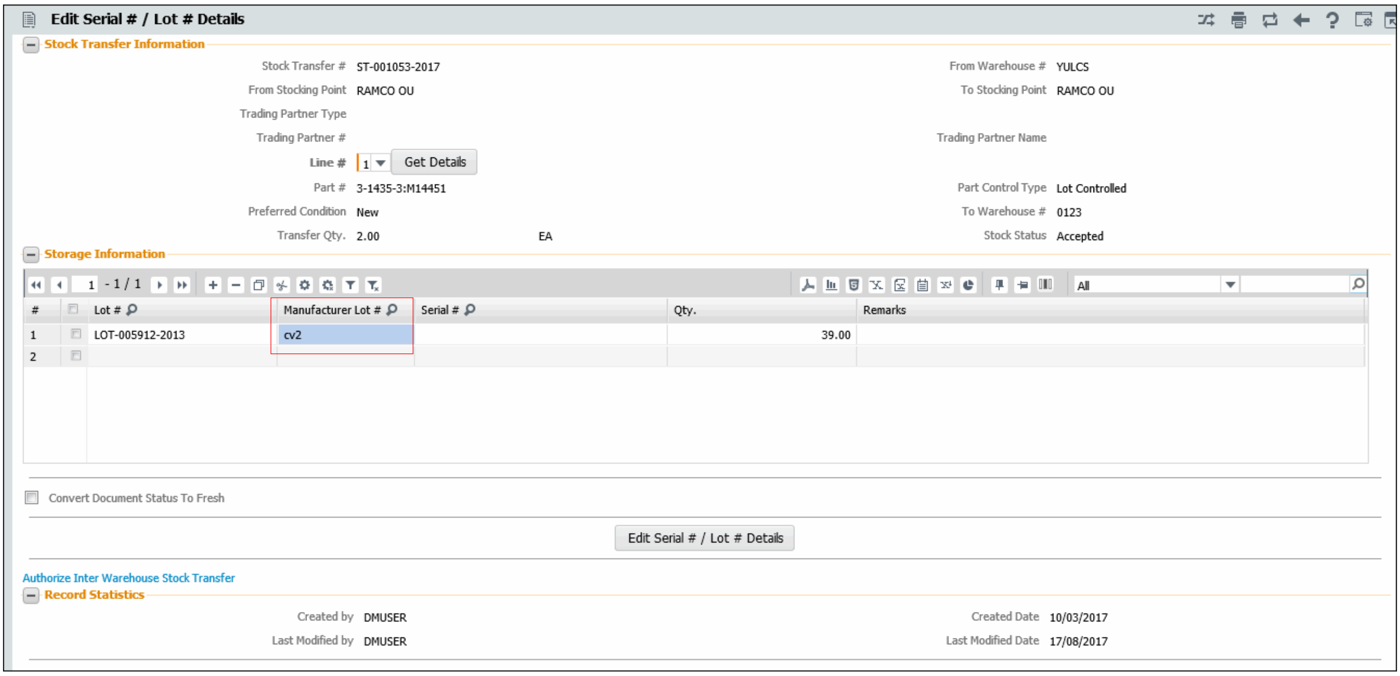


Exhibit 2: Identifies the display of 'Manufacturer Lot #' in **Record Shipping Note** screen.

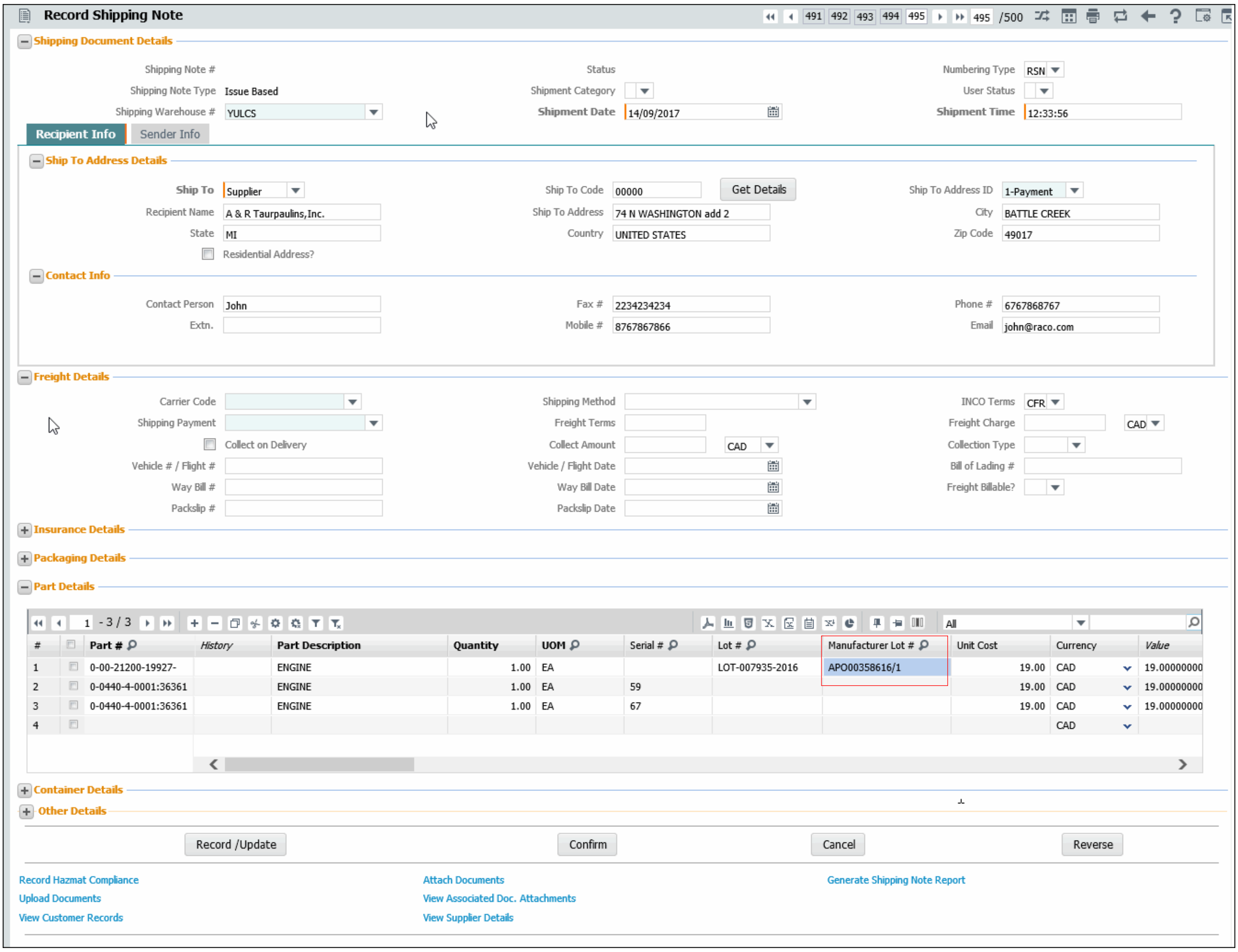


Exhibit 3: Identifies the display of 'Manufacturer Lot #' in **View Serial # /Lot # /Condition Details (View Stock Conversion)** screen.

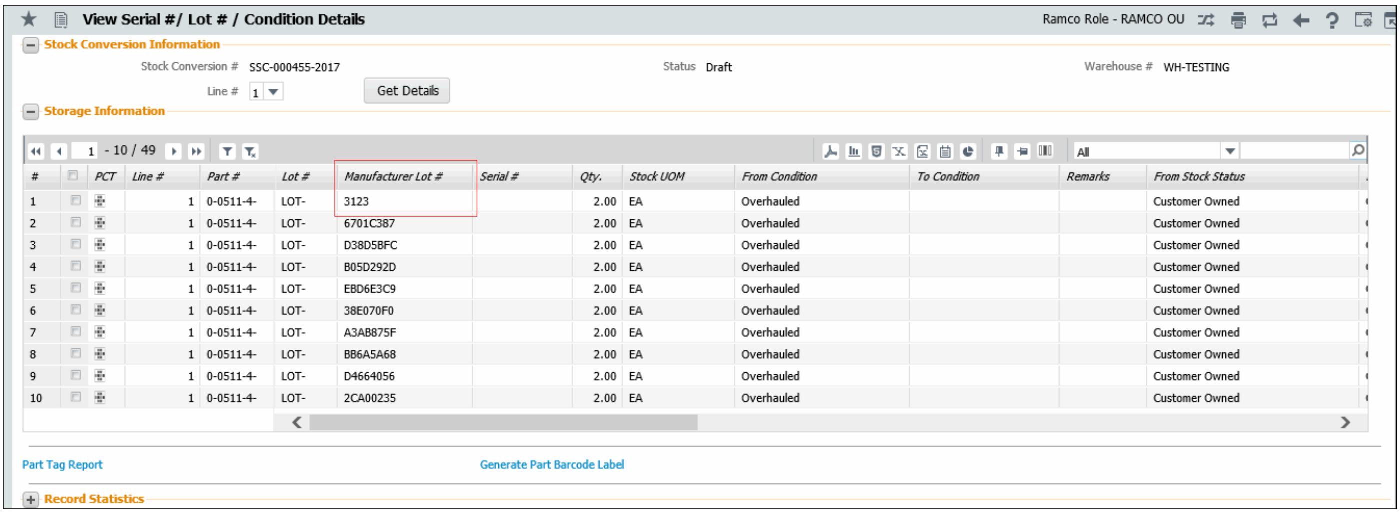
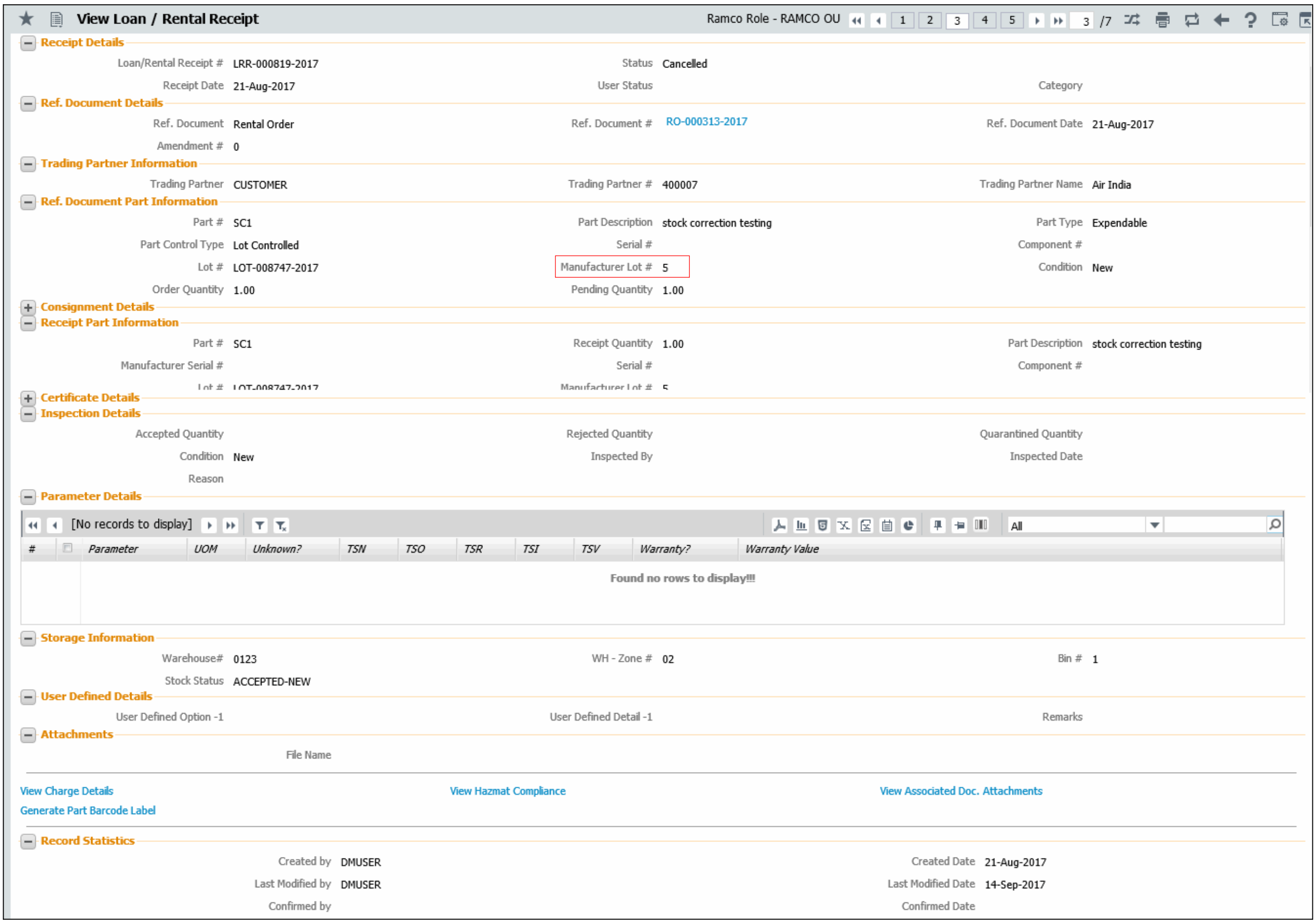


Exhibit 4: Identifies the display of ‘Manufacturer Lot #’ in **View Loan or Rental Receipt** screen.



Ability to manage stock status restriction for customer stocks

Reference: AHBG-21397

Background

Whenever customer owned stock is transacted in inventory, the Customer-Stock Status mapping needs to be validated. Business requirement is to restrict the selection of the Stock Status that is not mapped to the customer selected, to provide better control of Customer Owned inventory. Customer-Stock Status mapping is validated in the various transactions: Customer Goods Receipt, Goods Receipt, Unplanned Receipt, Maintenance Return, General Return, Unplanned Return, Stock Conversion, Stock Correction, Return Tools, Physical Inventory & Cycle Count, Loan Order and Opening Balance.

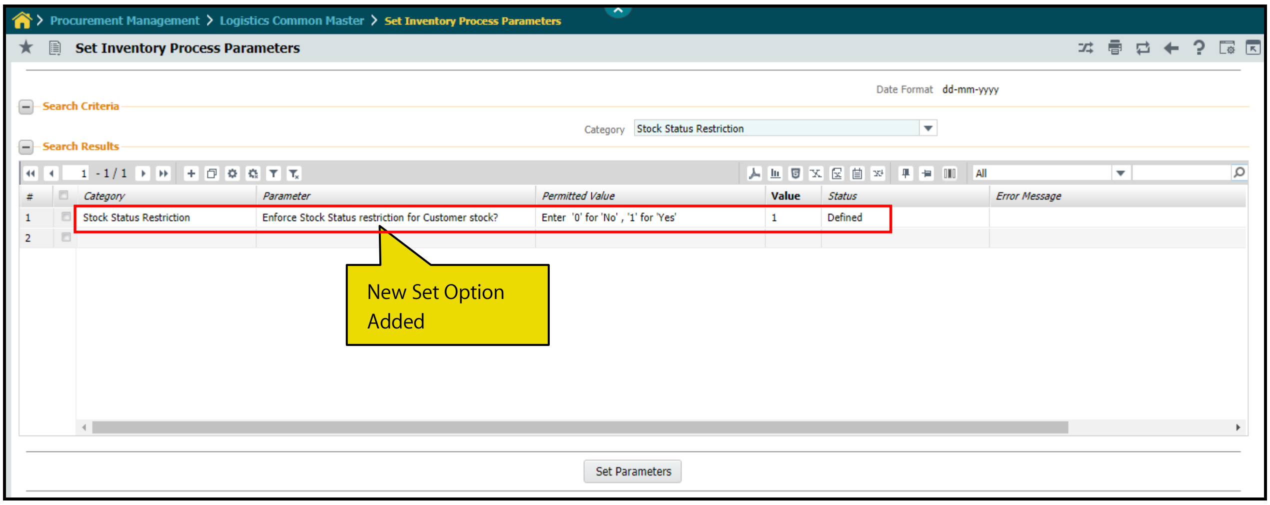
Change Details

Logistics Common Master:

A new set option "Enforce Stock Status restriction for Customer stock?" is added under the Category 'Stock Status Restriction' in the **Set Inventory Process Parameters** activity of the **Logistics Common Masters** business component to enable / disable restricted stock status:

- 'No' – Stock Status that is selected should be of Ownership 'Customer'.
- 'Yes' – Stock Status that is selected in the respective transaction (i.e. Goods Inward, Stock Receipt) should be mapped to the respective Customer # in **Manage Restricted Stock Status** screen in the interacting **Customer** business component.

Exhibit 1: Identifies the **Set Inventory Process Parameters** screen



Customer:

A new screen **Manage Stock Status Restriction** is added as a link in the **Create Customer Record**, **Edit Customer Record** and **View Customer Record** screens in the **Customer** business component. This screen provides the list of stock statuses that can be restricted to each customer. A stock status mapped to one customer cannot be reused for another.

On screen launch, the Customer #, Customer Name and Customer Category are retrieved in the header of the screen. On selection of stock status in the multiline, the corresponding stock description and Valuated flag must be retrieved automatically in subsequent columns from the User Defined Stock Status master. On click of save, system will validate if the stock status selected is already mapped to any other customer.

Note: Defining restricted stock status is not mandatory. Customer can be made Active even without defining restricted stock status.

A given stock status can be mapped to only one Customer at a time. Also, any one of the multiple Stock statuses can be mapped as a default.

Exhibit 1: Identifies the link addition in **Edit Customer Main Information** screen

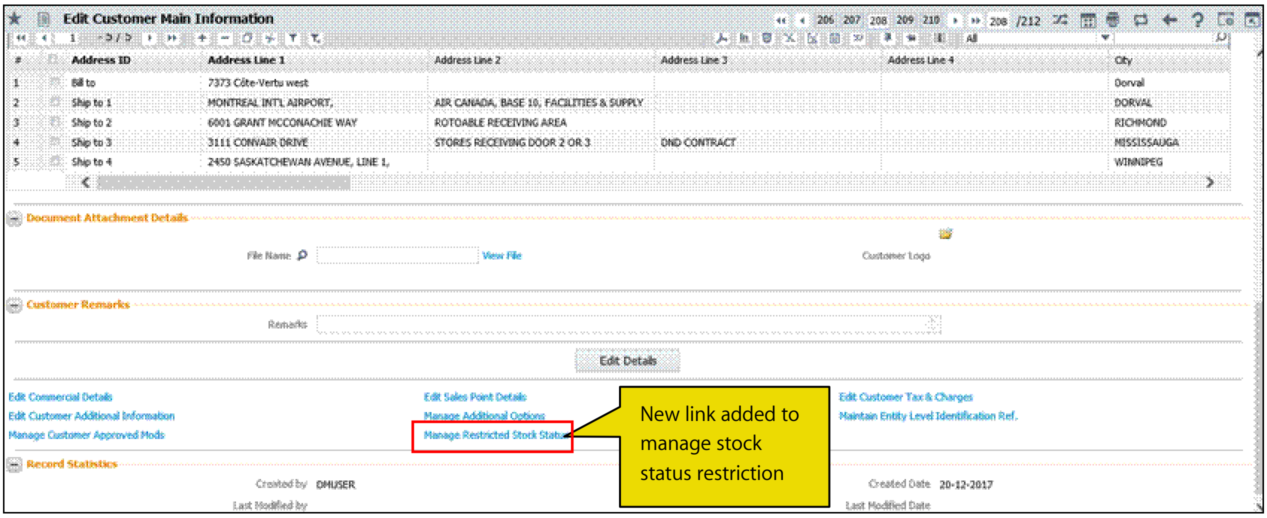
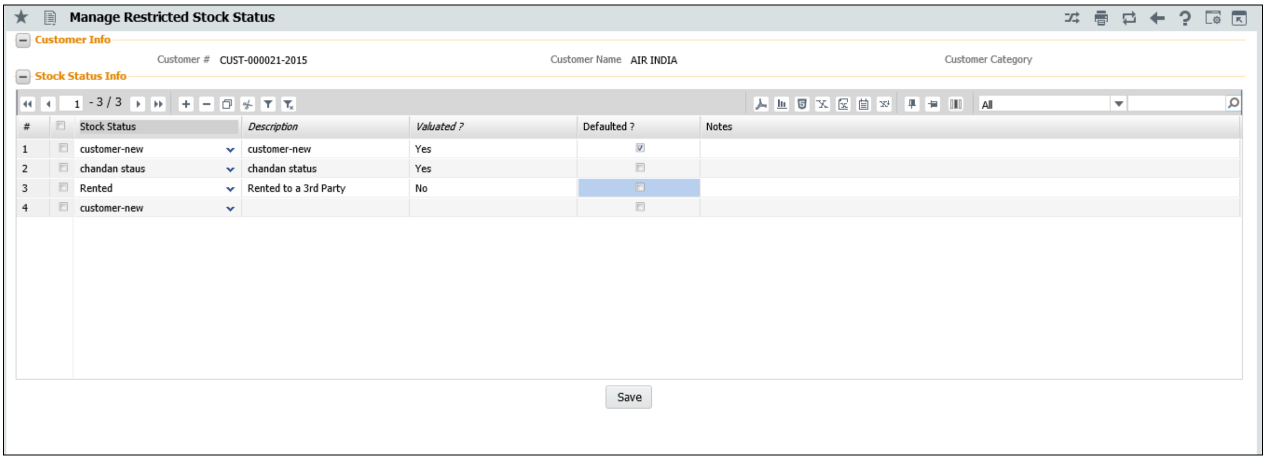


Exhibit-2: Identifies the **Manage Stock Status Restriction** screen



Stock Status Restriction Logic:

The Stock Status selected in the respective screens in selected transactions must be mapped to the Customer # in the **Manage Restricted Stock Status** screen in the **Customer** business component, if the value for the Parameter 'Stock Status restrictions' is set as 'Yes' in the **Set Inventory Process Parameters** screen, for the selected record. Else the system validates. If the value for the parameter 'Stock Status restrictions' is set as 'No', the system does not validate the Stock Status - Customer mapping.

Transactions impacted by Stock Status Restriction:

Customer-Stock Status mapping is validated in the following transactions: Customer Goods Receipt, Goods Receipt, Unplanned Receipt, Maintenance Return, General Return, Unplanned Return, Stock Conversion, Stock Correction, Return Tools, Physical Inventory & Cycle Count, Loan Order and Opening Balance.

Ability to create Replenishment MR when stock falls below Min level during Stock Status conversion

Reference: AHBG-23397

Background

Business need is to provide the ability to generate the Replenishment document based on Replenishment Level set in Warehouse Planning Parameters, when stock qty goes below Min. Qty or Reorder level during Stock status conversion. This enhancement enables automatic replenishment of stock as and when it goes below Stock Qty, without user intervention, ensuring stock availability always and preventing stock-out situations.

Change Details

During the Stock Status Conversion, If Stock Qty for a Prime part goes below Min. Quantity or Reorder level, then a Replenishment document (i.e. PR/PO/ST) will be generated based on Replenishment Parameters defined for the Prime Part # / Requested Part # (if Requested Part is self-prime) in **Maintain Warehouse Planning Parameters** activity under **Storage Administration** business component.

Ability to have Serial # / Lot # and Alternate Parts check boxes automatically selected as default on launch of Inquire Stock Availability screen

Reference: AHBG-21059

Background

Provision is required to have the Serial # / Lot # and Alternate Parts check boxes automatically selected as default instead of forcing the user to manually update it every time on launch of the **Inquire Stock Availability** screen.

Change Details

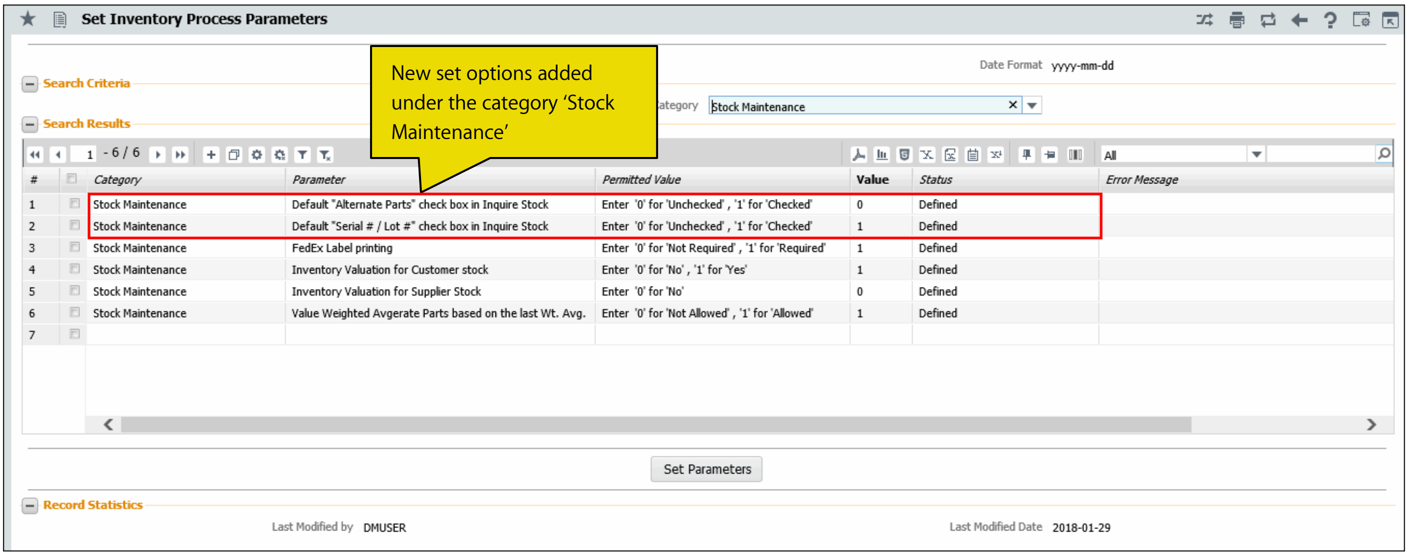
<u>Logistics Common Master</u>

The following set options are added in the **Set Inventory Process Parameters** activity of the **Logistics Common Master** business component:

i. Default "Alternate parts" check box in Inquire Stock Availability, if the option is set as
   - '0' or 'Not Defined' – 'Alternate Parts' checkbox will be unchecked by default on launch of the **Inquire Stock Availability** screen.
   - '1' – Indicates that the 'Alternate Parts' checkbox will be checked by default on launch of the **Inquire Stock Availability** screen.

ii. Default "Serial # / Lot #" check box in Inquire Stock Availability, if the option is set as
   - '0' or 'Not Defined' – 'Serial # / Lot #' checkbox will be unchecked by default on launch of the **Inquire Stock Availability** screen.
   - '1' – Indicates that the 'Serial # / Lot #' checkbox will be checked by default on launch of the **Inquire Stock Availability** screen.

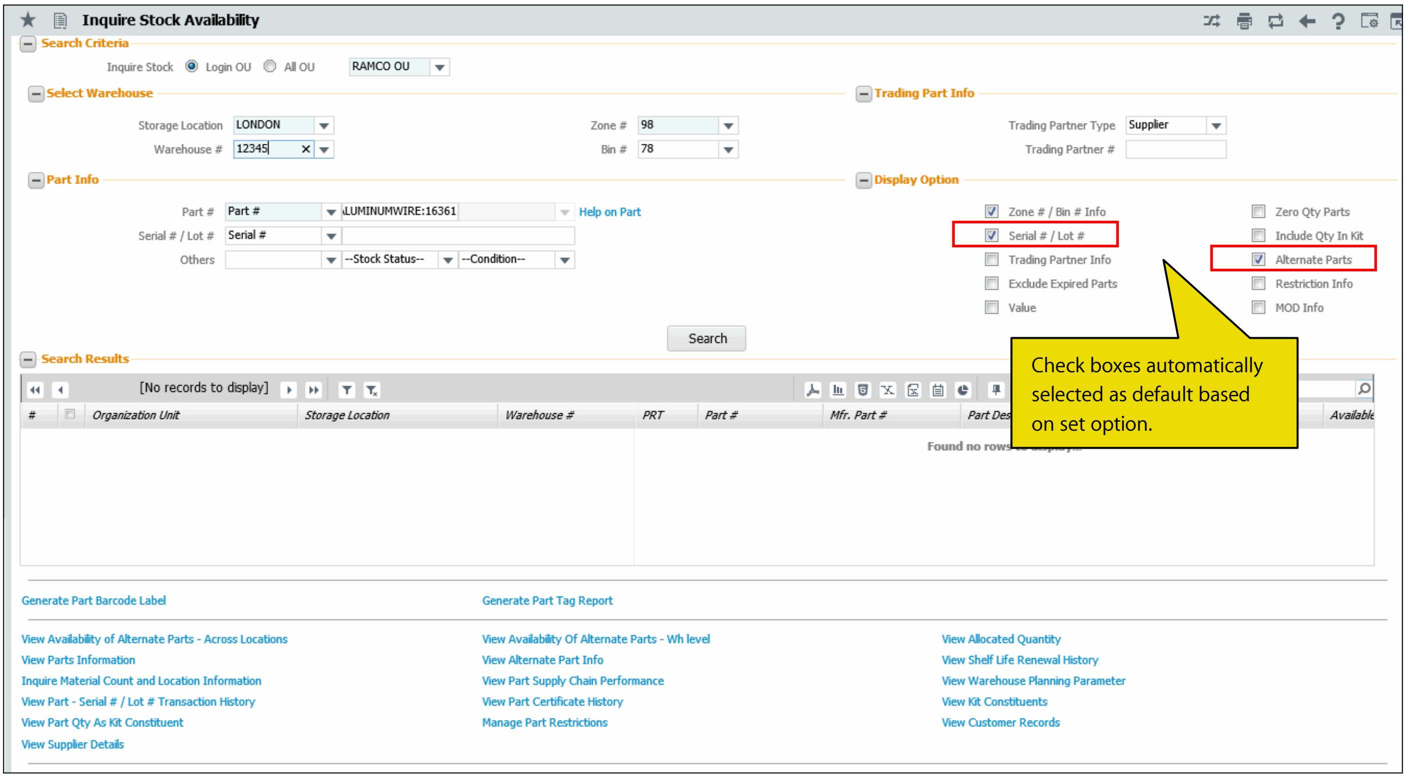
Exhibit 1: Identifies the **Set Inventory Process Parameters** screen in **Logistics Common Master** business component



Stock Maintenance

In the **Inquire Stock Availability** screen of the **Stock Maintenance** business component, the 'Alternate Parts' checkbox and the 'Serial # / Lot #' checkbox in the 'Display Option' group box will be 'Unchecked' or 'Checked' on launch of the page, based on the set options in the **Set Inventory Process Parameters** activity of the **Logistics Common Master** business component.

Exhibit 2: Identifies the **Inquire Stock Availability** screen in **Stock Maintenance** business component.



Ability to create cycle count plan in bulk for multiple warehouses

Reference: AHBG-19975

Background

Currently, for a large organization operating at a location with multiple warehouses, creation of cycle count for all warehouses at a stretch could be challenging and cumbersome, using the existing Create CC Plan screen in Ramco Aviation. Business Requirement is to provide an ability to create Cycle Count Plans in Bulk for multiple warehouses at various levels, as CC Plans generally are initiated for all stock locations at once. Also this enhancement provides the ability to associate parts in Cycle Count Plan based on cumulative % of Inventory value.

Change Details

A new activity **Create Bulk Cycle Count Plan** is added under the **Physical Inventory & Cycle Count** business component to create Cycle Count Plans in Bulk at different CC Plan Levels i.e. Warehouse or Warehouse-Zone or Warehouse-Zone-Bin across Warehouses in one step. This enhancement also provides the ability to associate parts in Cycle Count Plan based on cumulative % of Inventory value.

i. Specify the Plan Details such as 'Plan Description', 'Planned Start Date' and 'Numbering Type' in the header.

ii. In the multiline, select the 'CC Plan Level' as "Warehouse", "Warehouse – Zone" or "Warehouse – Zone - Bin" indicating the storage level at which the bulk cycle count plan must be generated.

iii. Specify the 'Warehouse #', 'Zone #' and 'Bin #' for which the bulk cycle count plan is generated.

iv. In the 'Planning Options' group box, select the 'Part Selection Mode' field as either 'Manual' or 'Random'.

- Manual – Maps all the parts that satisfies the other planning options specified such as the 'Class', 'Part Type', 'Part Category', 'Part Group', 'Part Classification', 'Expense Type', 'From / To Value', 'Cum.% Inv. Value: From/To'.
- Random – Maps the random parts for the sample size specified, out of the parts that satisfy the other planning options.

v. Check the box 'Include Capital Parts' to include parts with expense type 'Capital' in the CC plan. The system includes the Capital parts in the CC Plan on selection of this checkbox even if you have specified the From Value and To Value fields.

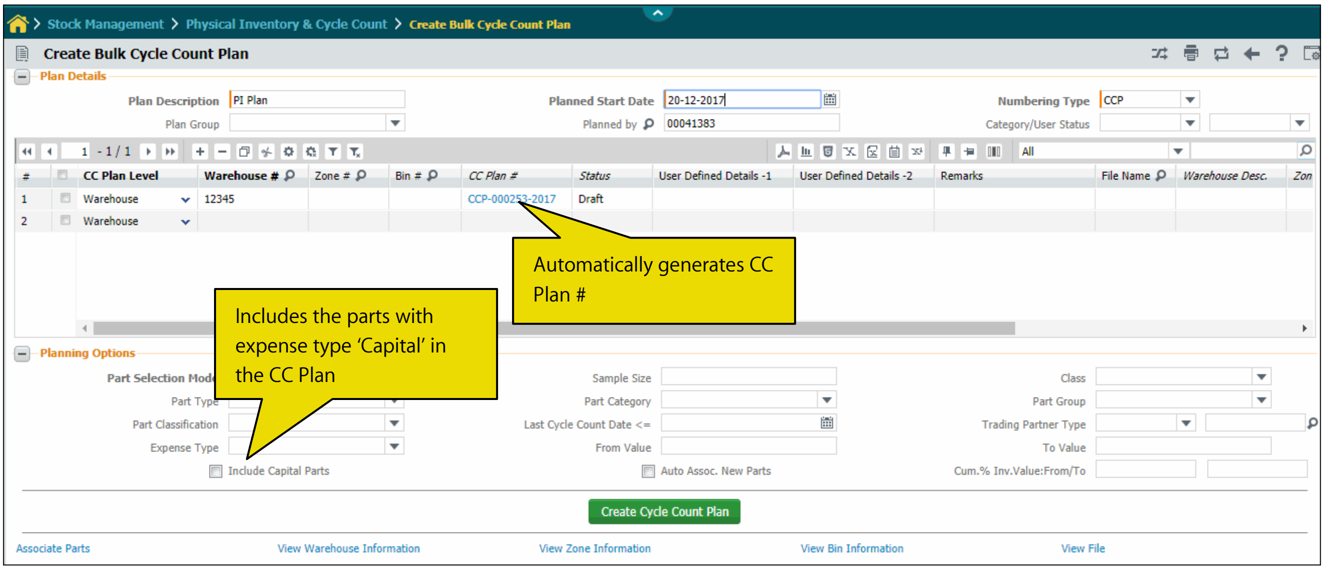
vi. Check the box 'Auto Assoc. New Parts' to automatically include in the CC plan those parts available in the warehouse/zone/bin that are not associated with the CC plan.

vii. Specify the 'Cum. % Inv. Value: From/To.' fields to indicate the starting and the ending values in the range of the cumulative percentage inventory value for the part in a particular warehouse-Zone-Bin. Parts can be picked based on the contribution to the inventory value. For example, From/To can be specified as 30-100 for obtaining 70% inventory value parts.

viii. Click the 'Create Cycle Count Plan' pushbutton. The system automatically generates the cycle count number based on the numbering type selected for all the applicable lines in the multiline.

ix. On creation of Cycle Count Plan, the system sets the status of the documents to "Draft". Also, an offline scheduler begins to associate parts to each of the CC plan created based on the CC Plan Level and Planning Options. On successful completion of the process, system would update the status of the documents as 'Fresh', if there is no error encountered in the offline process. Else the status would still continue to remain in 'Draft' status.

Exhibit 1: Identifies the **Create Bulk Cycle Count Plan** screen of the **Physical Inventory & Cycle Count** business component.



Ability to pick parts in Cycle Count Sheet based on Zones and Bins, have the Non-Discrepant Inventory available for Aircraft all time and to automatically authorize the Stock Corrections for Discrepant stock

Reference: AHBG-19975

Background

The following Enhancements have been done in Cycle Count to meet various business requirements.

- Provision to pick parts based on Zones and Bin selection in Cycle Count Sheet.
- Provision to have the Non-Discrepant Inventory available for Aircraft all time.
- Ability to evaluate and confirm the count results based on changes in system (Stock) quantity during confirmation of count results.
- Ability to automatically authorize the Stock Corrections for Discrepant stock.

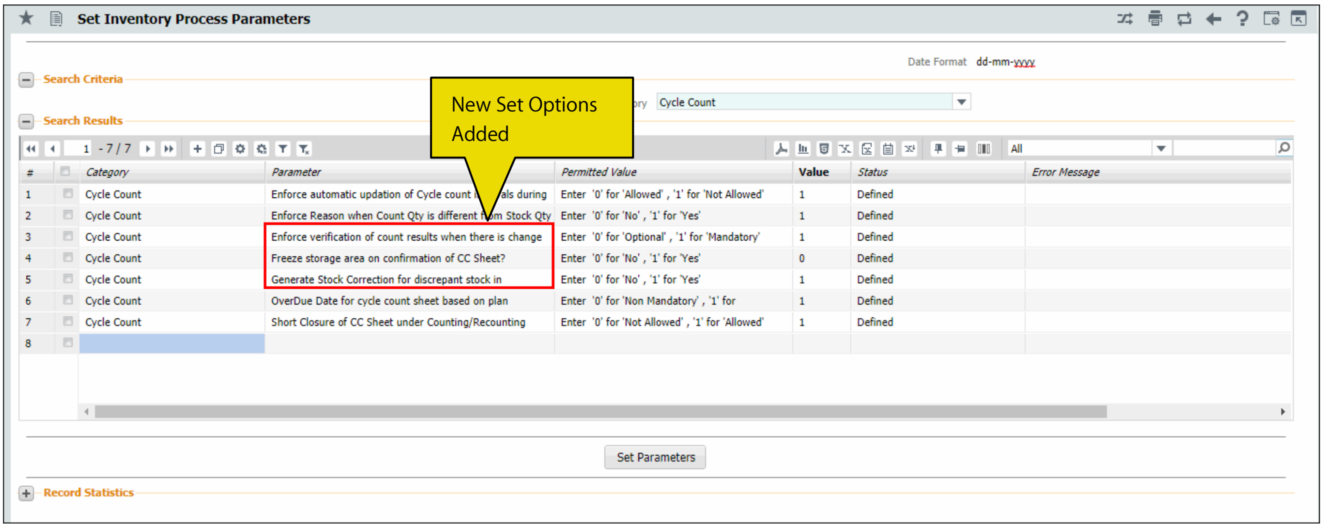
Change Details

Logistics Common Master:

The following set options are added under the Category 'Cycle Count' in the **Set Inventory Process Parameters** activity of the **Logistics Common Masters** business component:

- "Freeze storage area on confirmation of CC Sheet?", with the following values:
  - 'No' - System will not freeze the Part-Warehouse-Zone-Bin combination for Inventory Transactions like Stock Issue, Receipt, etc.
  - 'Yes' - System will freeze the Part-Warehouse-Zone-Bin combination for Inventory Transactions like Stock Issue, Receipt, etc.
- "Generate Stock Correction for discrepant stock in Authorized status?" to authorize stock correction document automatically for the discrepancy stocks, with the following values:
  - 'No' - Stock Correction document generated on authorization of count results for the discrepant stock will be generated in Draft status.
  - 'Yes' - Stock Correction document generated on authorization of count results for the discrepant stock will be generated in Authorized status.
- "Enforce verification of count results when there is change in the sys. Qty.?", with the following values:
  - 'Optional' - During confirmation of the Count Results, the Verified check-box need not be selected by user for the parts for which Change in Stock Qty is 'Yes'.
  - 'Mandatory' - During confirmation of the Count Results, the Verified check-box should be selected by user for the parts for which Change in Stock Qty is 'Yes'

Exhibit 1: Identifies the **Set Inventory Process Parameter** screen of the **Logistics Common Master** business component



Physical Inventory & Cycle Count:

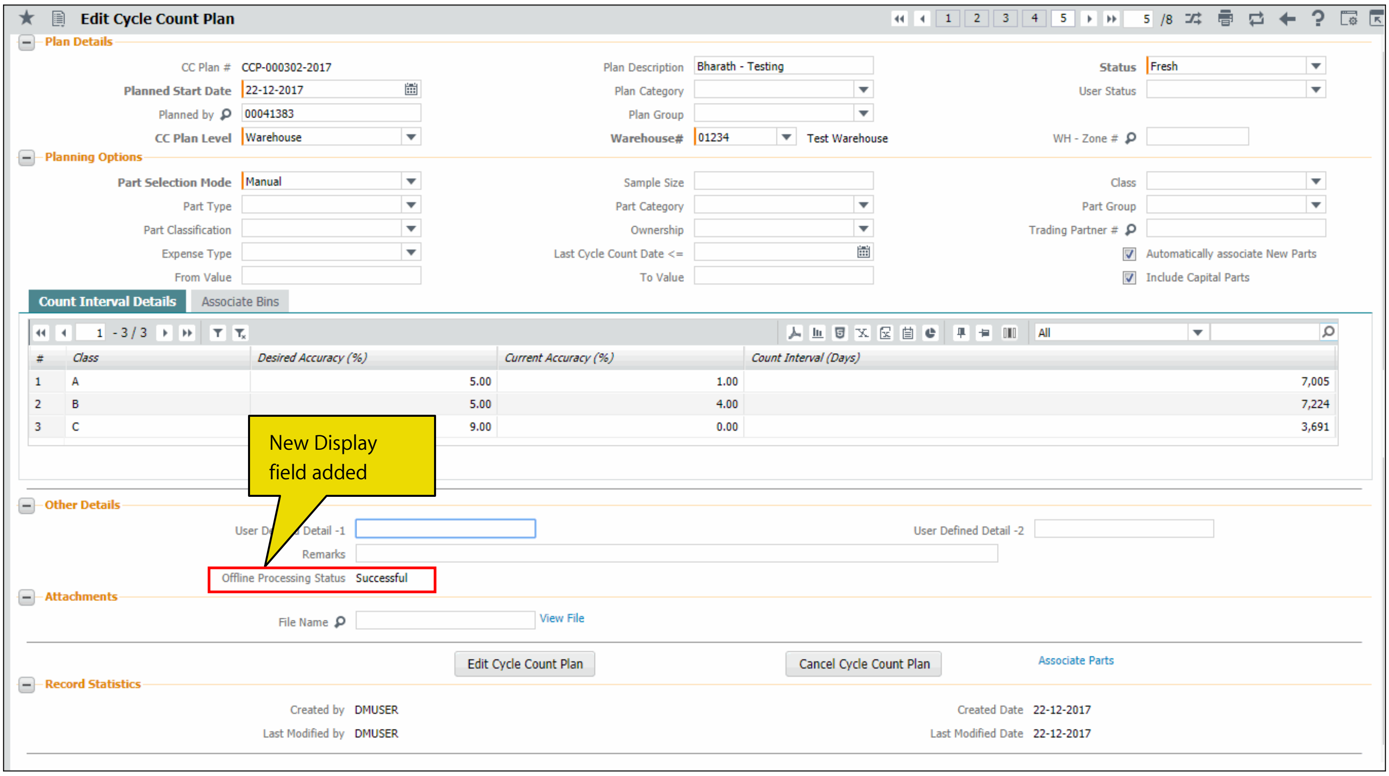
Edit Cycle Count Plan

A new display field 'Offline Processing Status' is added in 'Other details' section in **Edit Cycle Count Plan** screen.

The system displays one of the following options:

- If the offline service broker is still running, then the system displays the Offline processing status as 'Inprogress'.
- If processing of offline service broker is completed and if Parts are associated successfully, then the system displays the Offline processing status as 'Completed'.
- If processing of offline service broker is Not completed, due to error, then the system refers the error log and displays the Offline processing status as Error.

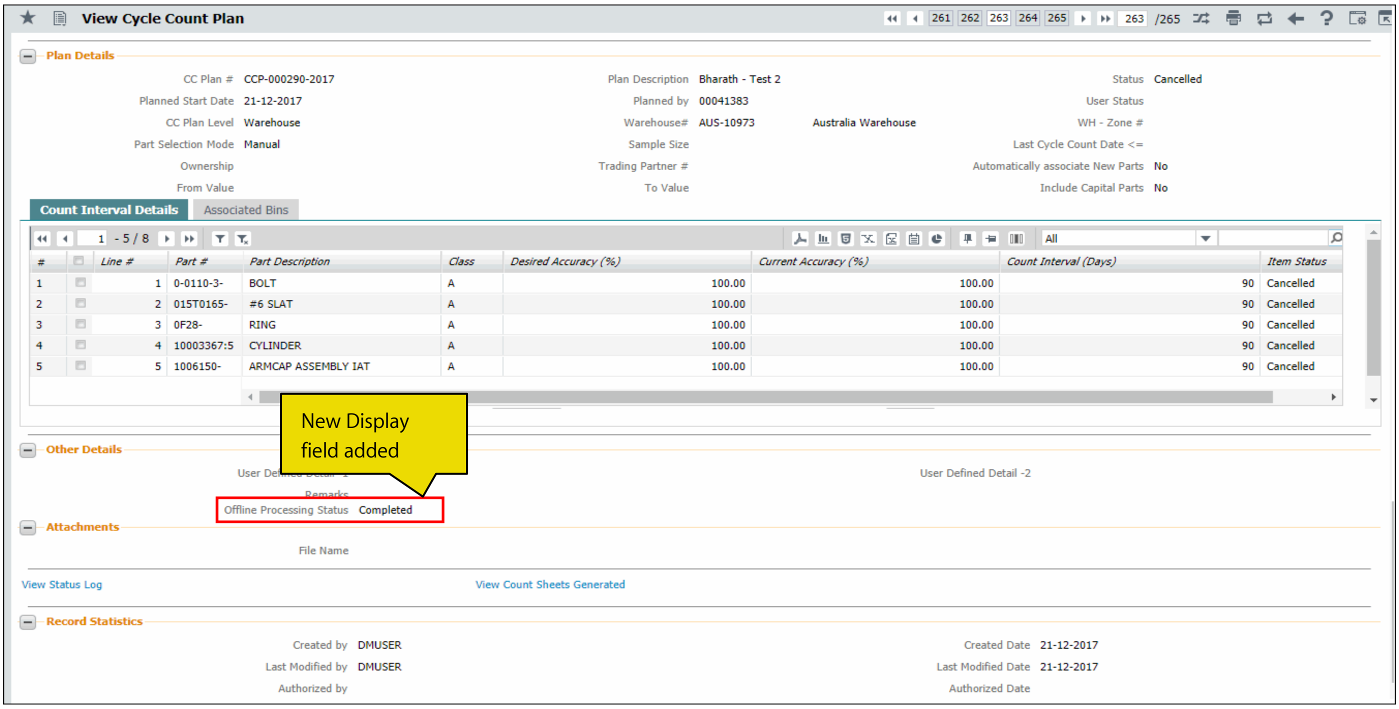
Exhibit 2: Identifies the **Edit Cycle Count Plan** screen of the **PICC** business component.



View Cycle Count Plan

A new display field 'Offline Processing status' is added in 'Other details' section in **View Cycle Count Plan** screen to display the offline processing status information for the CC Plan #.

Exhibit 3: Identifies the **View Cycle Count Plan** screen of the PICC business component.

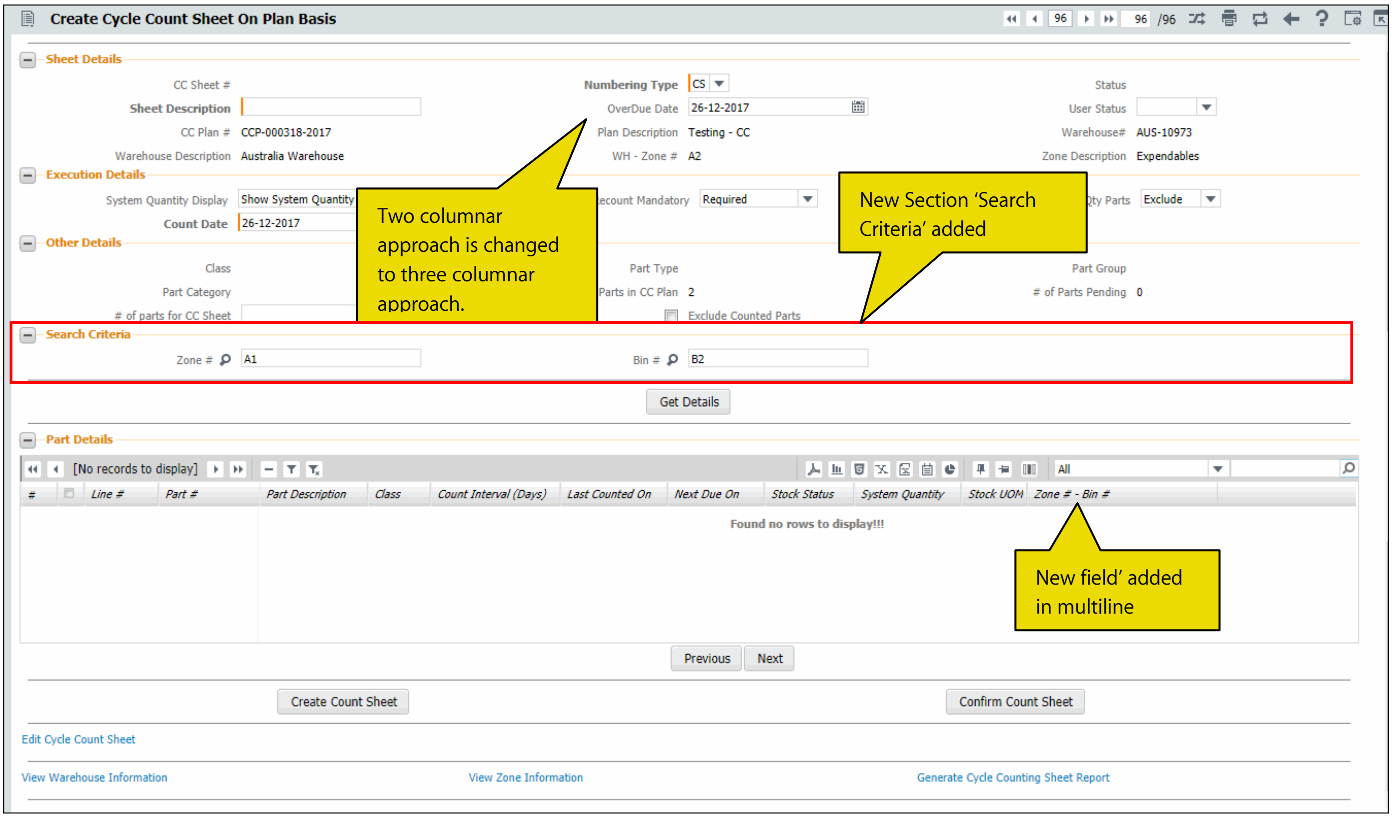


Create Cycle Count Sheet on Plan Basis

A new section 'Search Criteria' is added in **Create Cycle Count Sheet on Plan Basis** screen to pick parts based on Zones and Bin selection in Cycle Count Sheet. Under this new section two new controls 'Zone #' and 'Bin #' is added. With the help of these two controls, user can filter the parts based on the user entered values provided in Zone /Bin #.

A new display field 'Zone #-Bin #' is added in the **Part details** multiline. If part - stock status combination is available in the multiple zone/bin, then it will display the Zone -Bins by concatenating all the Zone and Bin details. If multiple values are there, it will be separated by comma. Example: Z1-B1, Z1-B2,…

Exhibit 4: Identifies the **Create Cycle Count Sheet on Plan Basis** screen of the PICC business component.



Edit Cycle Count Sheet

A new display field 'Zone #-Bin #' is added in the **Part details** multiline of the **Edit Cycle Count Sheet** screen which identifies the zone-bin for the Part- Stock status combination which is to be included in the Cycle Count sheet.

The two columnar approach has been changed to three columnar approach in the **Select Cycle Count Sheet** screen and the **Edit Cycle Count Sheet** screen of the Edit Cycle Count Sheet activity.

The system on confirmation of the cycle count sheet freezes the parts (Warehouse # - Part # -Stock status) based on the process parameter "Freeze storage area on confirmation of CC Sheet?" in the "Set Inventory Process Parameters" screen of the "Logistics common master" business component.

Exhibit 5: Identifies the select screen of the **Edit Cycle Count Sheet** activity

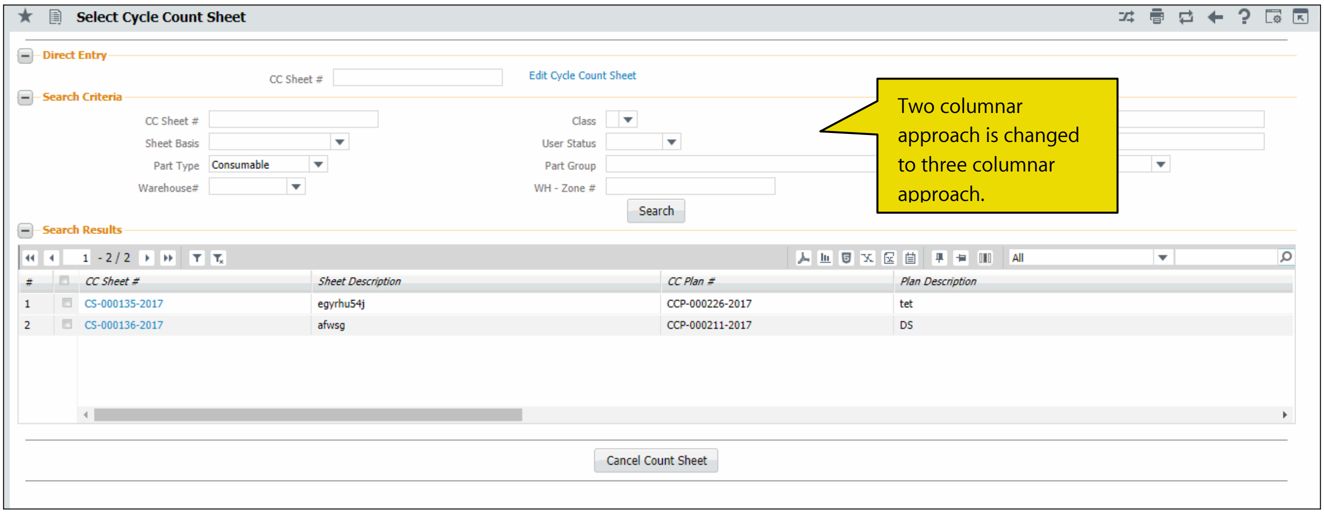
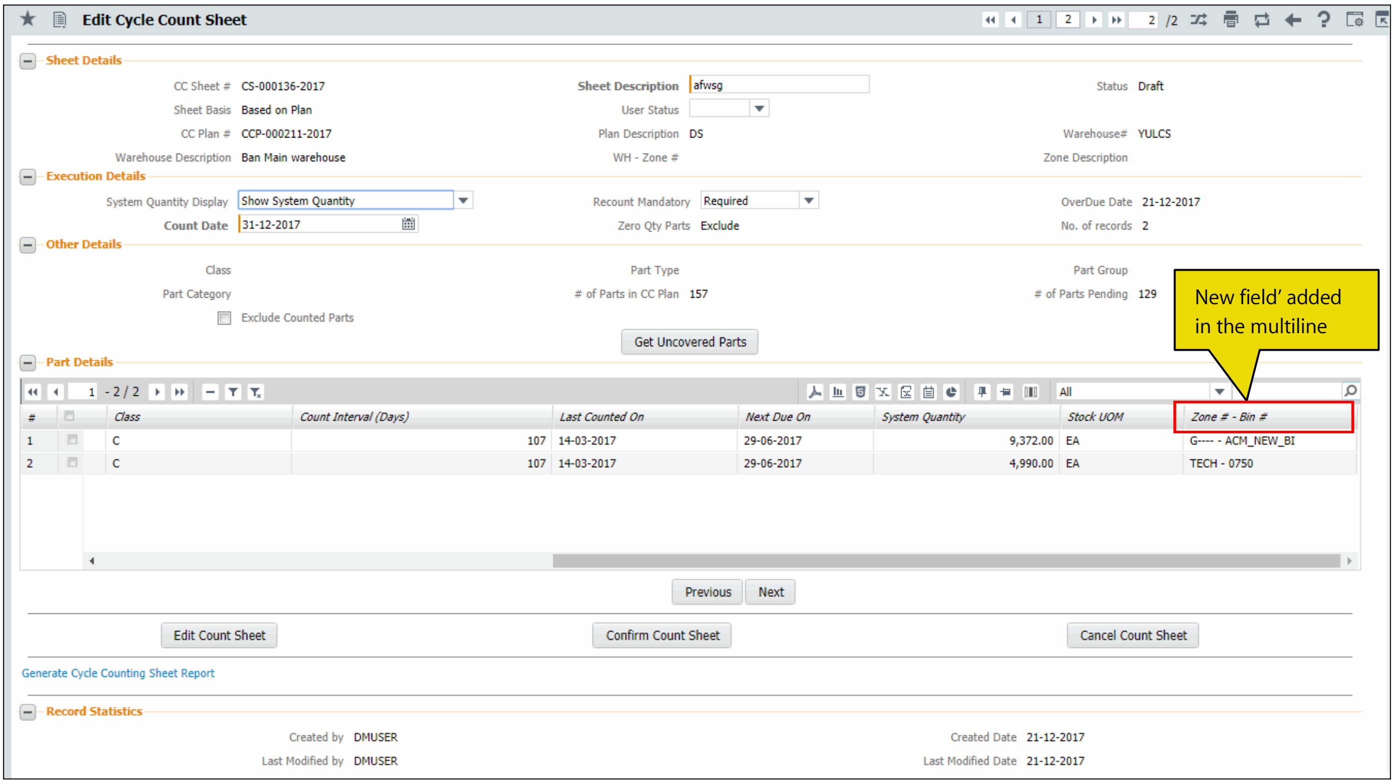


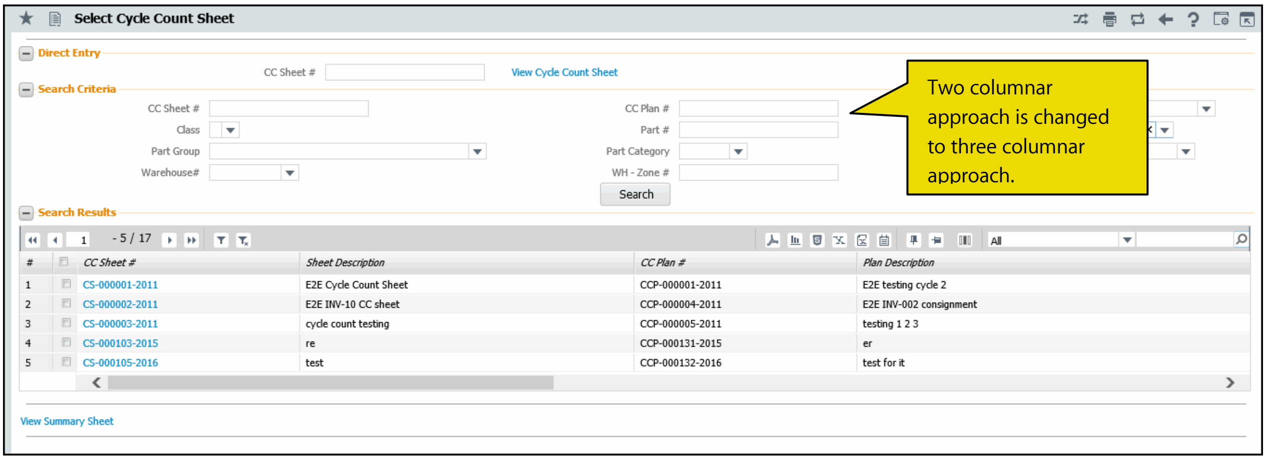
Exhibit 6: Identifies the **Edit Cycle Count Sheet** screen



View Cycle Count Sheet

The two columnar approach has been changed to three columnar approach in the **Select Cycle Count Sheet** of the View Cycle Count Sheet activity.

Exhibit 7: Identifies the select screen of the **View Cycle Count Sheet** activity



Enter Cycle Count Results

Two new display fields 'Change in Stock Qty.?' and 'Verified?' checkbox are added in the **Part details** multiline in the **Enter Cycle Count Results** screen.

Change in Stock Qty.? - Indicates whether there is a change in the quantity of stock which could be "Yes" or "No".

- Yes - If there is a difference between Current Stock Qty in Inventory and Persisted Stock Qty at the time of confirmation of CC Sheet.
- No - If there is no difference between Current Stock Qty and Persisted Stock Qty.

Verified? - Indicates whether the cycle counting is done or not.

- If the set option "Enforce verification of count results when there is change in the Stock Qty?" of the "Logistics Common Master" business component is set as '0' (No) or 'Blank' or Changes in the stock Qty? is derived as 'No', then the Verified? checkbox need not be checked during confirmation of results.
- If the set option "Enforce verification of count results when there is change in the Stock Qty?" of the "Logistics Common Master" business component is set as '1' (Yes) and if Changes in the Stock Qty? is derived as 'Yes', then the Verified? checkbox should be checked during confirmation of results.

The two columnar approach has been changed to three columnar approach in the **Select Cycle Count Sheet** of the Enter Cycle Count Results activity.

Exhibit 8: Identifies the select screen of the **Enter Cycle Count Results** activity

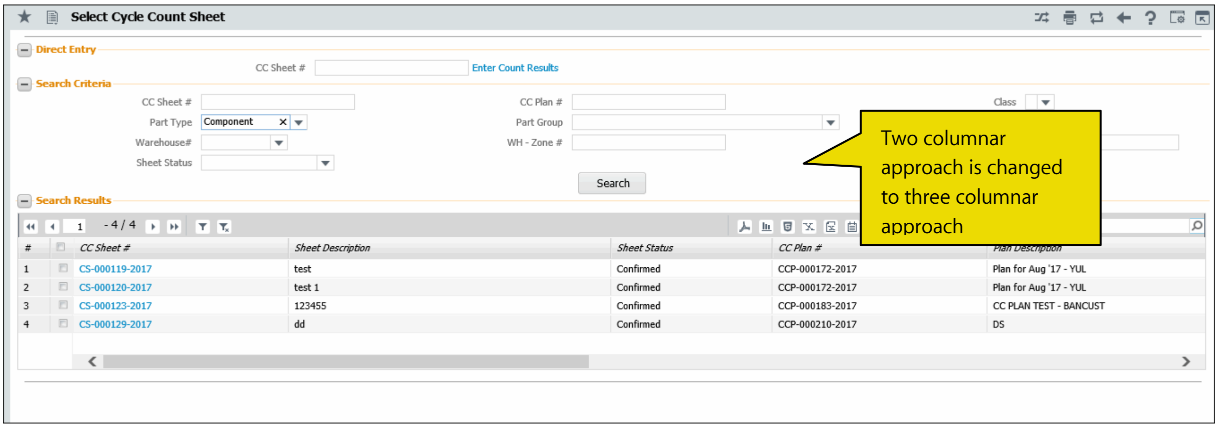
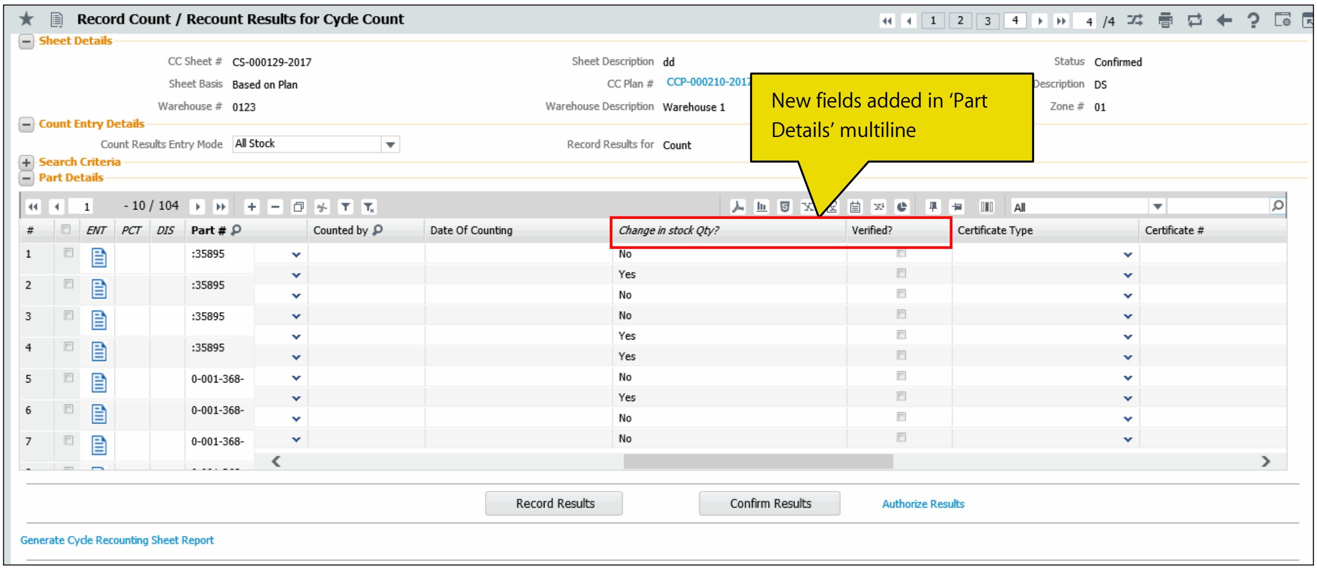


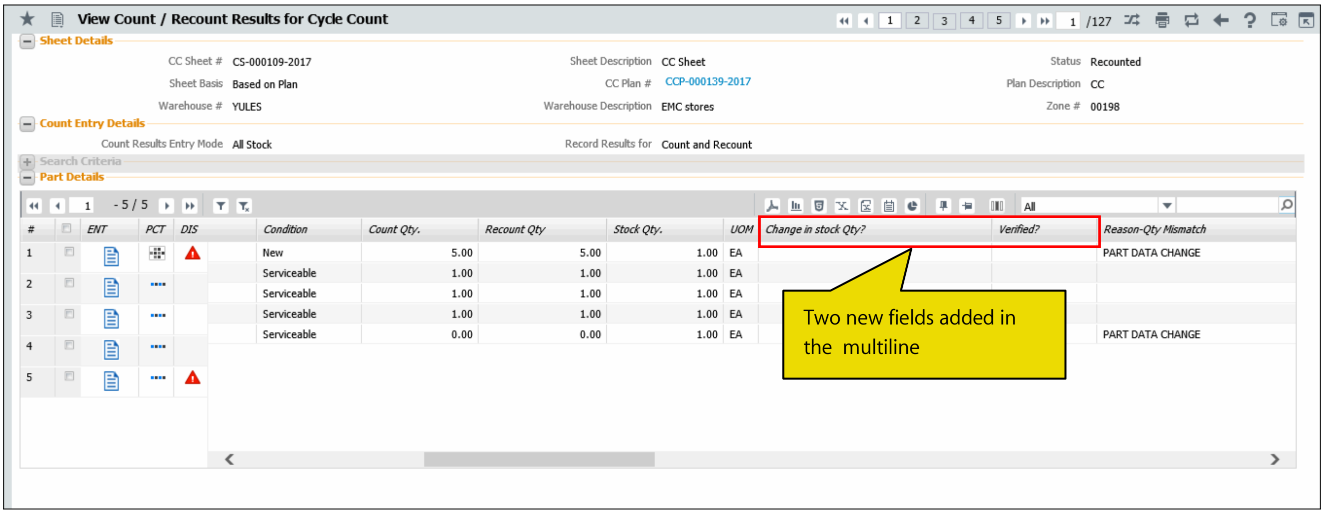
Exhibit 9: Identifies the **Record Count / Recount Results** for Cycle Count screen



View Cycle Count Results

Two new display fields 'Change in Stock Qty.?' and 'Verified?' checkbox are added in the **Part details** multiline in the **View Count/Recount Results** screen.

Exhibit 10: Identifies the **View Count/Recount Results** screen



Ability to Quarantine parts during Stock Transfer Receipt

Reference: AHBG-15519

Background

Whenever a part is received in a warehouse (by Stock Transfer Receipt), there could be various reasons because of which the part needs to be quarantined. Also, there could be various information that needs to be captured as part of the Stock Transfer Receipt document. A provision is required to enable quarantine of the parts and to capture the supplementary information in Stock Transfer Receipt.

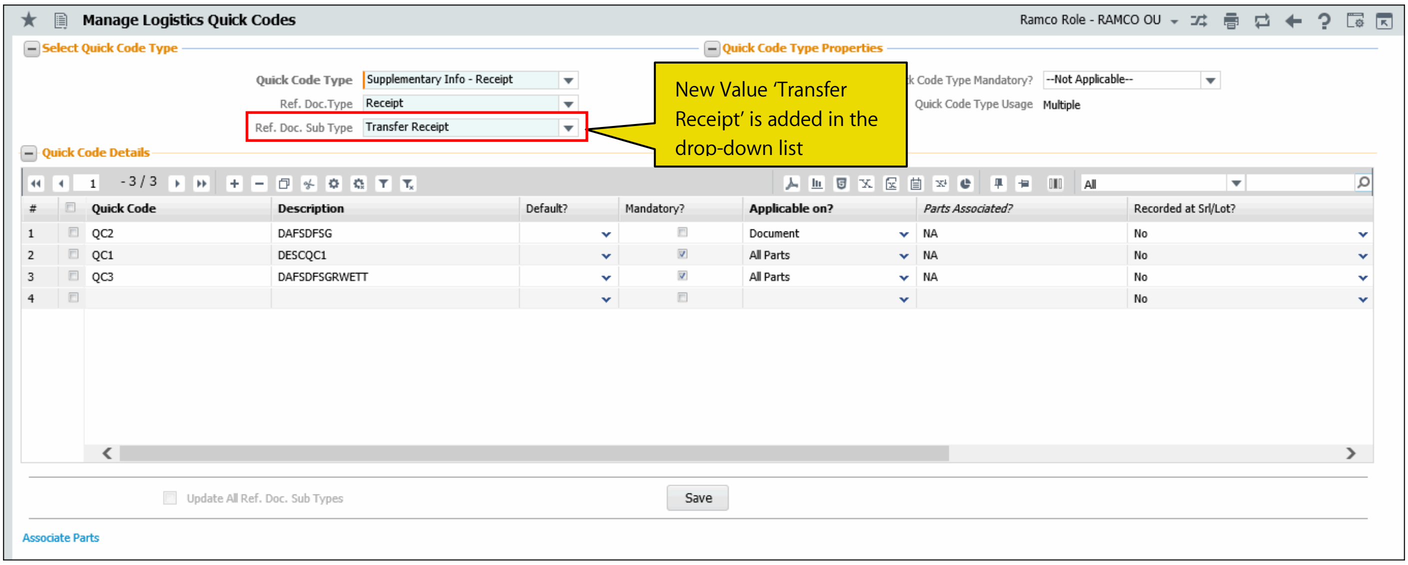
Change Details

Logistics Common Master

Manage Logistics Quick codes

In the **Manage Logistics Quick Codes** activity of the **Logistics Common Master** business component, on selection of the value "Supplementary Info - Receipt" in the Quick Code Type, the Ref. Doc Type combo UI is loaded and defaulted with the value "Receipt". The Ref. Doc. Sub Type combo is loaded with a new value 'Transfer Receipt' along with the existing values 'Regular Purchase', 'Repair Receipt', 'Customer Goods Receipt' and 'Blank'.

Exhibit 1: Identifies the screen **Manage Logistics Quick Codes** in the **Logistics Common Master** business component

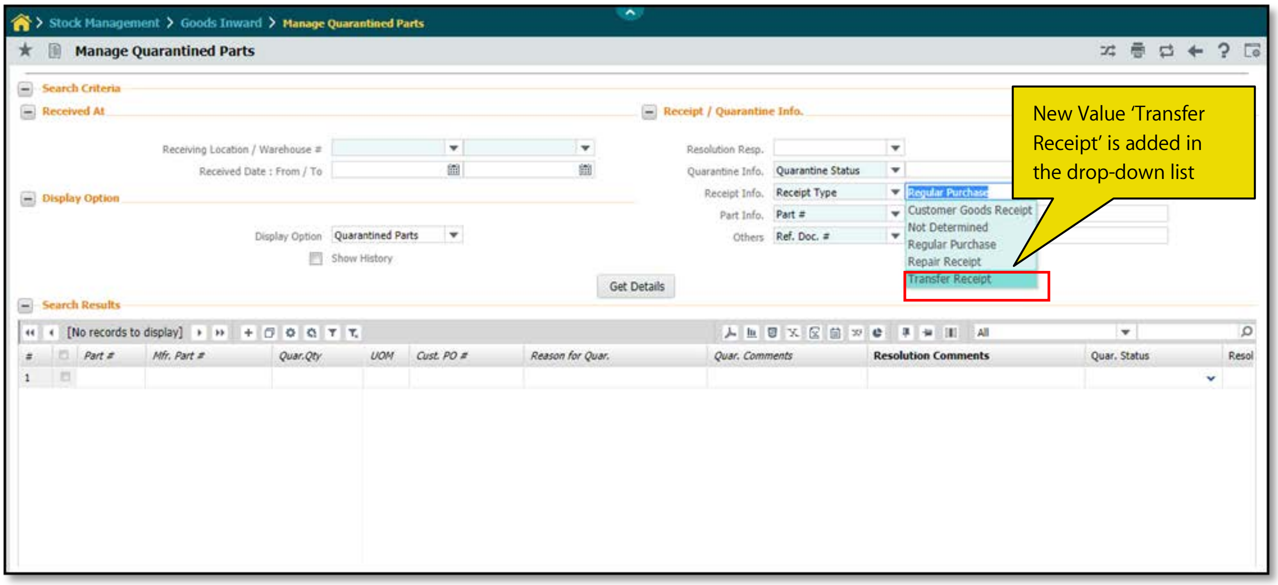


Goods Inward

Manage Quarantined Parts

In the **Manage Quarantined Parts** activity of the **Goods Inward** business component, in the "Receipt/ Quarantine Info." section, a new Receipt Type is added. On selection of the value "Receipt Type" in the "Receipt Info." field, the adjacent combo UI is loaded with the new value "**Transfer Receipt**" along with the existing values 'Goods Receipt', 'Repair Receipt', 'Customer Goods Receipt' and 'Not Determined'. "Quar. Stage" in the multiline, is displayed with values "Receiving" or "Inspection" depending on the stage where the parts are getting quarantined. If the Parts are getting quarantined in **Record Stock Transfer Receipt**, then Quarantine Stage should be updated as 'Receiving'.

Exhibit 2: Identifies the screen **Manage Quarantined Parts** in the **Goods Inward** business component



Stock Receipt

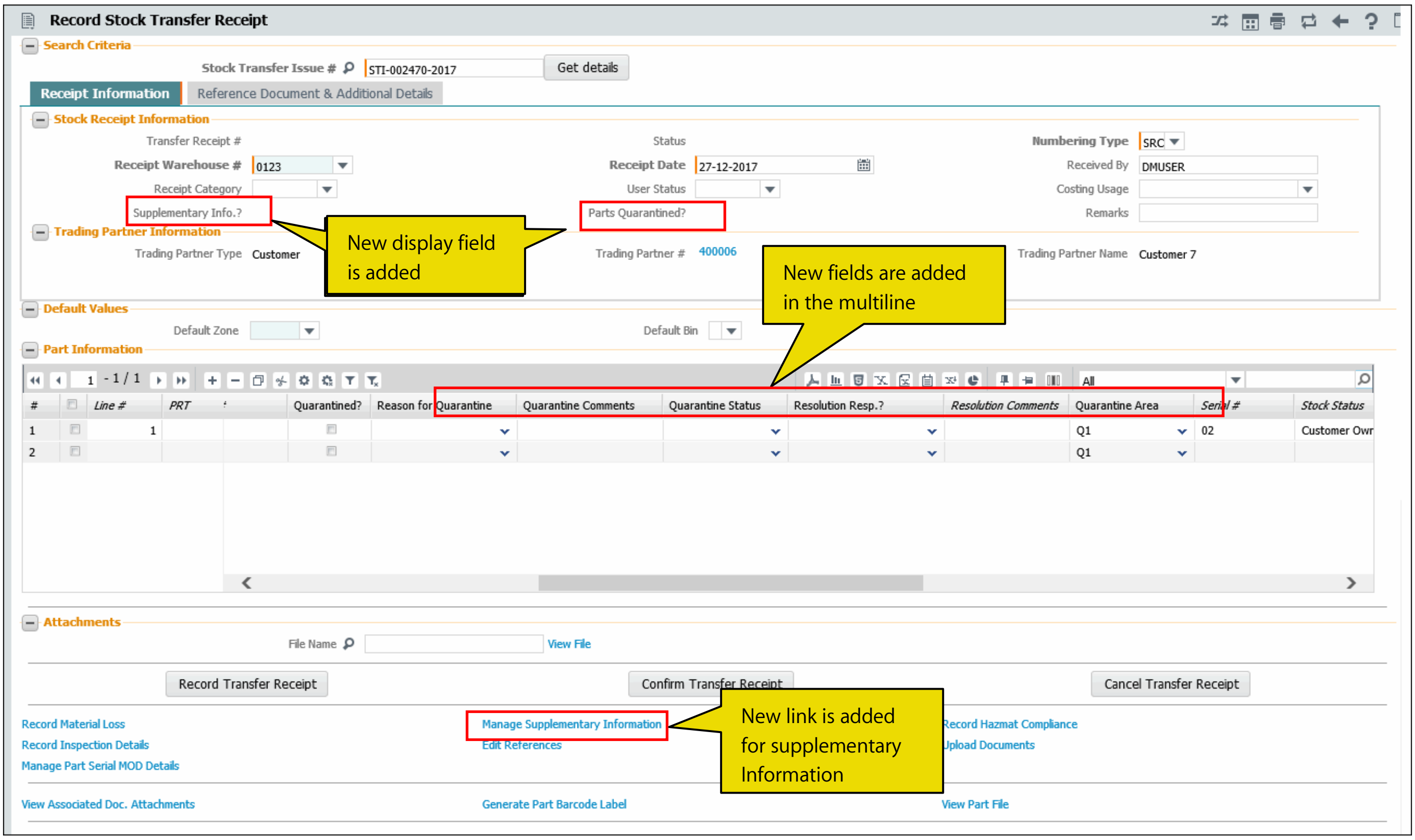
Record Stock Transfer Receipt

In the **Record Stock Transfer Receipt** screen of the **Stock Receipt** business component, following changes are done.

- New display field "Supplementary Info.?" Is added in the 'Stock Receipt Information' section of the **Receipt Information** tab. Based on the Quick Code defined under **Manage Logistics Quick Code** activity in the **Logistics Common Master** business component for the Quick Code Type "Supplementary Info - Receipt" and the Ref. Doc. Sub Type 'Transfer Receipt', one of the following values will be displayed:
    - o Pending - Active Quick Code exists for the Quick Code Type 'Supplementary Info - Receipt' and Ref. Doc. Sub Type 'Transfer Receipt' combination and at least one of the Quick Code is defined as mandatory (either at Part level, Document level or both).
    - o Optional - Active Quick Code exists for the Quick Code Type 'Supplementary Info - Receipt' and Ref. Doc. Sub Type 'Transfer Receipt' combination but none of them are mandatory (either at Part level, Document level or both).
    - o Not Applicable - Active Quick Codes does not exist for the Quick Code Type 'Supplementary Info - Receipt' and Ref. Doc. Sub Type 'Transfer Receipt' combination.

- New display field “Supplementary Info.?” Is added in the ‘Stock Receipt Information’ section of the **Receipt Information** tab. One of the following values will be displayed.
    - Yes – If any of the part in the Part Information multiline is Quarantined.
    - No – None of the parts in the receipt is Quarantined.
- New fields “**Quarantined?**”, “**Reason for Quarantine**”, “**Quarantine Comments**”, “**Quarantine Status**”, “**Resolution Resp.?**”, “**Resolution Comments**” and “**Quarantine Area**” are added in the “Part Information” multiline.
- New Link “**Manage Supplementary information**” is added in the link section to record the supplementary Information for the stock transfer receipt.

Exhibit 3: Identifies the **Record Stock Transfer Receipt** screen in the **Stock Receipt** business component



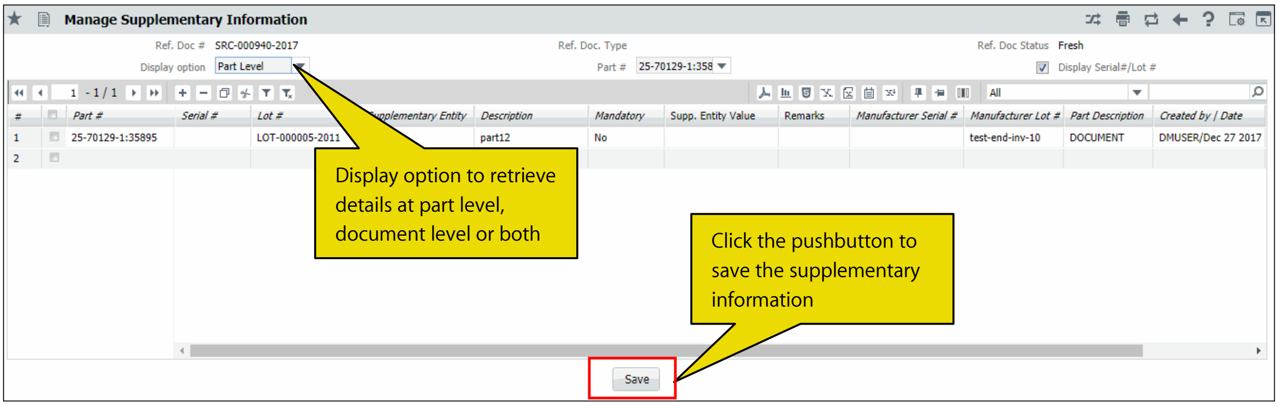
Manage Supplementary Information

A new screen “**Manage Supplementary Information**” is added to record and manage the supplementary information for the stock transfer receipt, while receiving the stock transferred from a warehouse that could be in the same location or different location.

- The “Ref. Doc #”, “Ref. Doc. Type” and “Ref. Doc Status” fields in the header section displays the details of the reference document.
- “Display Option” can be selected as “Document Level”, “Part Level” or “All”, to retrieve and display the supplementary information at Document Level, Part Level and both.
- The ‘Part #’ drop-down list box lists all the parts received against the Transfer Receipt document. Using Part # drop-down, supplementary information can be filtered for the selected Part #
- Check the “Display Serial #/Lot #” box to retrieve the serial #/Lot # details in the multiline.

- In the multiline, the "Supplementary Entity" field displays the quick code defined under quick code type Supplementary Info – Receipt and Ref. Doc. Sub Type (Regular Purchase/Customer Goods Receipt/Repair Receipt) combination at part level or document level in the **Manage Logistics Quick Codes** activity of the **Logistics Common Master** business component.
- In the 'Supp. Entity. Value' field, the receiving clerk enters the values for the Supp. Entities listed down in the multiline.
- On clicking "Save", the supplementary information for the stock transfer receipt can be recorded.

Exhibit 4: Identifies the screen **Manage Supplementary Information** in the **Stock Receipt** business component



Ability to display other customer stock visibility in Plan Materials screen

Reference: AHBG-19658

Background

When an MRO requests a Part and if the requested part is not available in the requested warehouse, the system will fetch and display the MR into **Plan Material** screen. Plan Materials screen will aid the materials planner to verify if the requested parts are available in any other warehouses in the location. If a requested part is available in any other warehouse having no hard allocation, then the same will be displayed as WH free qty. As per the current system behaviour, Plan Material will consider only Requested part, Requested Stock Status, Alternate part, Alternate Stock status (Internal & Supplier Ownership) for identifying the WH Free Qty. But there is no provision to consider Other Customer stocks as a WH Free qty.

Business need is to facilitate visibility of other customer stocks available in other locations, when the parts are not available in the Requested ownership.

Change Details

This enhancement provides the ability to display other customer parts in Plan Material screen. When other customer stocks are available in the different locations, then the system displays the same as WH free quantity along with From WH details.

<u>Usage of other customer parts, when requested customer part is not available in the stock</u>

When a requested customer part is not available, but there are other customer stocks are available, then display the other customer stocks as WH free quantity based on following options.

- Usage of other Customer stocks under the category 'Customer Parts Usage' must be set as "Allowed" in the **Manage Additional Options** screen of the **Customer** business component.
- **Demand & Receipt pegging preferences across ownership** must be defined for the Requested customer.

<u>Usage of other customer parts, when requested internal part is not available in the stock</u>

When a requested internal part is not available, but there are other customer stocks are available, then display the other customer stocks as WH free quantity based on following options.

- 'Usage of Customer Parts in case of shortage of Internal Parts' under the category 'Stock Demand Management' must be set as "Allowed" in the **Set Inventory Process Parameters** screen of the **Logistics Common Master** business component.
- **Demand & Receipt pegging preferences across ownership** must be defined for the Requested ownership.

Ability to display Ship to Address Information in Shipping Note select screen

Reference: AHBG-19873

Background

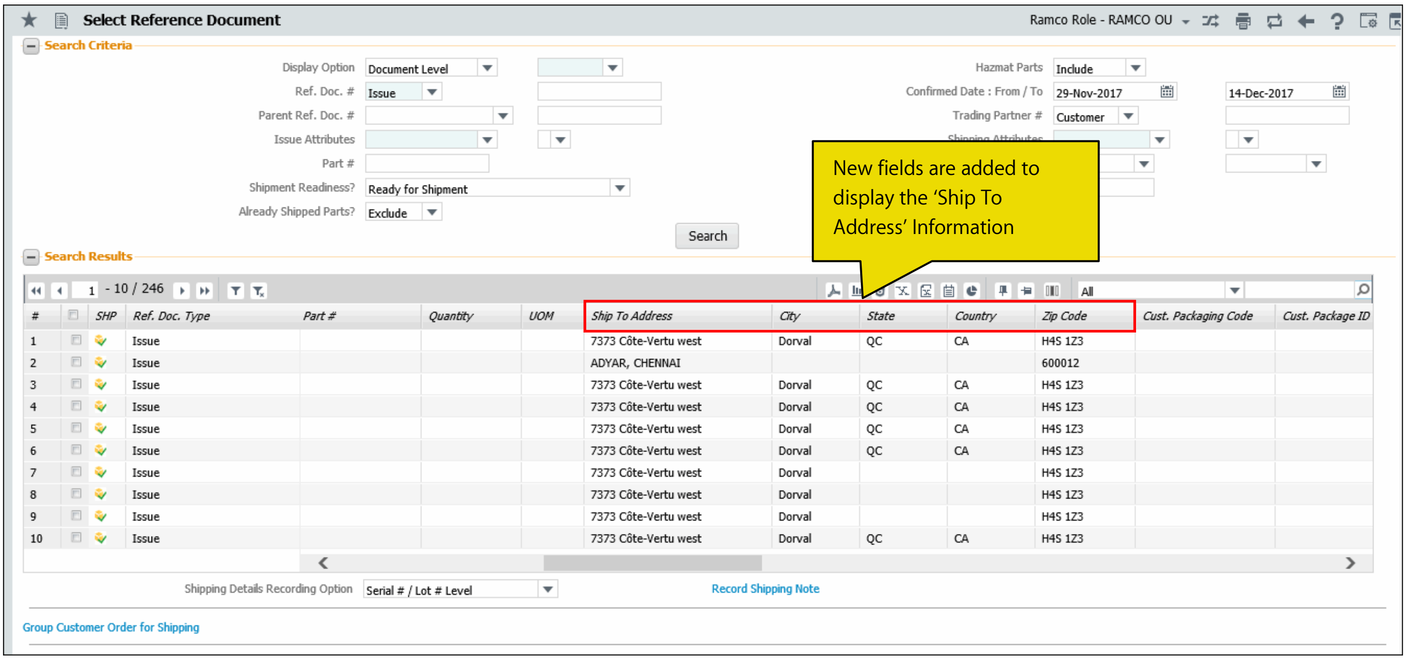
In aviation industry, organizations face unprecedented challenges in today's uncertain and volatile environment. They must fulfil their strategic agendas while keeping costs under control. Shipping Charges account to a large amount of cost. In order to reduce the cost of shipments, shipper may group some parts and then send them together based on supplier/customer location preferences.

Business Need is to provide an ability to display Ship to Address Information of Ref. Doc to create shipping note so that the Shipping Personnel will group multiple shipment for the same address and customer as single shipment.

Change Details

In the **Select Reference Document** screen of the **Record shipping Note** activity in the **Stock Issue** business component, new display fields "Ship To Address", "City", "State", "Country" and "Zip Code" are added in the **Search Results** multiline to expedite grouping the reference docs and creation of the shipment.

Exhibit 1: Identifies the **Select Reference Document** screen of **Record Shipping Note** activity



<u>Address Details retrieval Logic:</u>

On search, the system retrieves and displays the address details ("Ship To Address", "City", "State", "Country" and "Zip Code") in the multiline based on the Ref. Document Type and the Parent Ref. Doc. # selected in the Search Criteria. This is explained in the below table:

Parent Ref. Doc	The system retrieves and displays
Purchase Order (Ref. Doc. Type – Issue)	Address details for the corresponding Exchange issue documents from the **Supplier** business component for the saved Supplier - Return core to supplier Address ID combination available in Edit Terms and conditions screen in **Create Purchase Order** activity. If Return Core to supplier Address ID is not available, then system shall retrieve and display address details from the **Supplier** business component for the saved Supplier - Address ID combination available in **Create Purchase Order** activity.
Purchase Order (Ref. Doc. Type – Receipt)	Address details for the corresponding Goods Receipt from the **Supplier** business component for the saved Supplier - Address ID combination available in **Create Purchase Order** activity
Repair Order (Ref. Doc. Type – Issue)	Address details for the corresponding Repair Order issue from the **Supplier** business component for the saved Supplier - Ship to Address ID combination available in **Edit Terms and conditions** screen under **Create Repair Order** activity.
Repair Order (Ref. Doc. Type – Receipt)	Address details for the corresponding Repair Receipt from the **Supplier** business component for the saved Supplier - Address ID combination available in **Create Repair Order** activity.
Loan Order	Address details for the corresponding Loan Order Issue document from the **Supplier** business component for the saved Supplier – Return to Supplier ID combination available in **Edit Terms and Conditions** screen under **Create Loan Order** activity.
Rental Order	Address details for the corresponding Rental Order Issue from the **Customer** business component for the saved Customer - Ship to Address combination available in **Edit Terms and Conditions** screen under **Create Rental Order** activity.
Customer Order (Ref. Doc. Type – Issue)	Address details for the corresponding Unplanned issue document from **Shipping Terms** tab in the Customer Order (if available), else from the default Ship to ID from the **Customer** business component with Customer #.

Parent Ref. Doc	The system retrieves and displays
Customer Order (Ref. Doc. Type – Receipt)	Address details for the corresponding Customer Goods Receipt document from 'Shipping Terms' tab in the Customer Order (if available), else from the default Ship to ID from the **Customer** business component with Customer #.
Material Request	Address details from the **Storage Administration** business component for the requesting warehouse available in the MR for the corresponding General / Maintenance Issue Documents.
Stock Transfer	Address details for the corresponding Stock Transfer Issue document from the **Storage Administration** business component for the To warehouse available in the respective Stock Transfer order.
Pack Slip	Address details for the corresponding packslip issue from the **Customer** business component for the saved Ship to Customer - Ship to customer ID combination available in **Create Pack Slip** business activity.
Part Sale Order	Address details for the corresponding General Issue document from 'Shipment Info' tab in the Part Sale Order (if available). If it is not available then display the customer address details for the default Ship to ID from the **Customer** business component with Customer #.
Release Slip (Ref. Doc. Type – Receipt)	Address details for the corresponding Goods Receipt from the **Supplier** business component for the saved supplier # in the Release Slip.
Scrap Note	If Parent Ref Doc is Scrap Note, the system does not retrieve and display address details, and the fields are left blank.
Tools	If Parent Ref Doc is Tools, the system does not retrieve and display address details, and the fields are left blank.

WHAT'S NEW IN PURCHASE ORDER?

Ability to specify Requested Date in Purchase Order

Reference: AHBG-21009

Background

In Aviation industry, it is imperative for an airline operator to track the supplier's ability to meet the Requested date for the part. The modification of Requested date due to various business reasons should not trigger PO amendment and PO should not be routed for authorization again. Business need is provide the ability to specify 'Requested Date' in the Purchase Order against each part and the facility to modify the 'Requested Date' in an authorized PO without changing the amendment # and routing it for authorization again.

Change Details

Logistics Common Master

A new process parameter 'Amendment of Purchase Order?' is added under the category "Purchase Order" in **Purchase Option Settings** screen, with the following values:

- '1' (Any changes made to an authorized PO) – If the user updates or modifies any information in the PO, the system generates the new amendment # for the PO and updates the PO Status as 'Amended'.
- '2' (Only when Qty, Cost or Value is changed in the PO) – System does not generate the new amendment for the PO, only if user updates or modifies any information other than Cost, or Order Qty or PO Total Value.

Note: If user updates or modifies Cost, or Order Qty or PO Total Value, then system will generate the new Amendment # for the PO irrespective of new process parameter.

Purchase Order

i. A new editable column 'Requested Date' is added in the multiline in **Create Purchase Order** / **Edit Purchase Order** / **PR Based PO** / **Edit Schedule & Distribution** / **Amend Purchase Order** screens.

ii. A new display column 'Requested Date' is added in the multiline in **View Purchase Order** / **View Schedule & Distribution** screens**.**

iii. The existing 'Need Date' column in the multiline is renamed as 'PR Need Date' in **PR Based PO** screen.

iv. A new editable column 'Reason for Date Change' is added in the multiline in **Edit Schedule and Distribution** / **Amend Purchase Order** screens, to track the track the reason for Requested Date change in PO.

v. A new display column 'Reason for Date Change' is added in the **View Purchase Order** / **View Schedule and Distribution** screens.

Exhibit 1: Identifies the **Purchase Option Settings** screen in **Logistics Common Master** business component

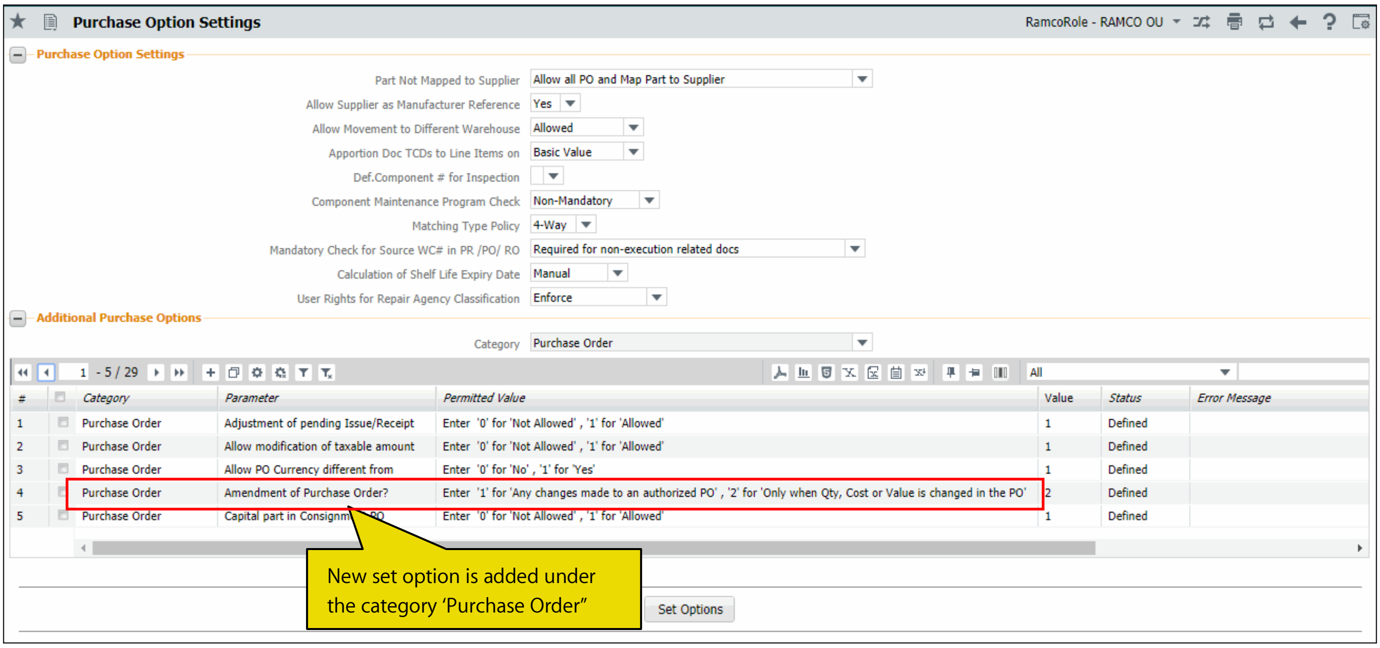


Exhibit 2: Identifies the changes in **PR based PO** screen

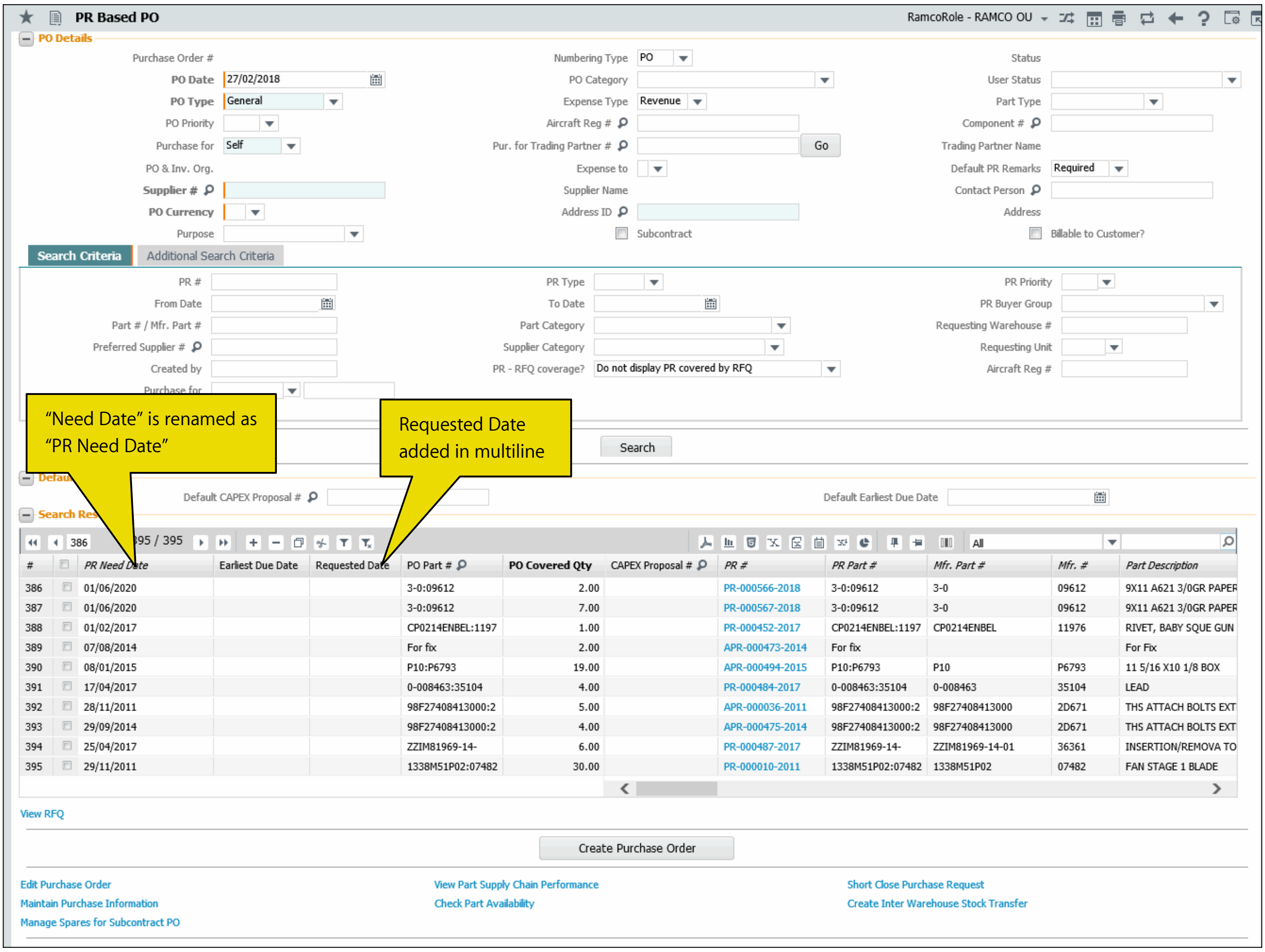


Exhibit 3: Identifies the changes in **Create Purchase Order** screen

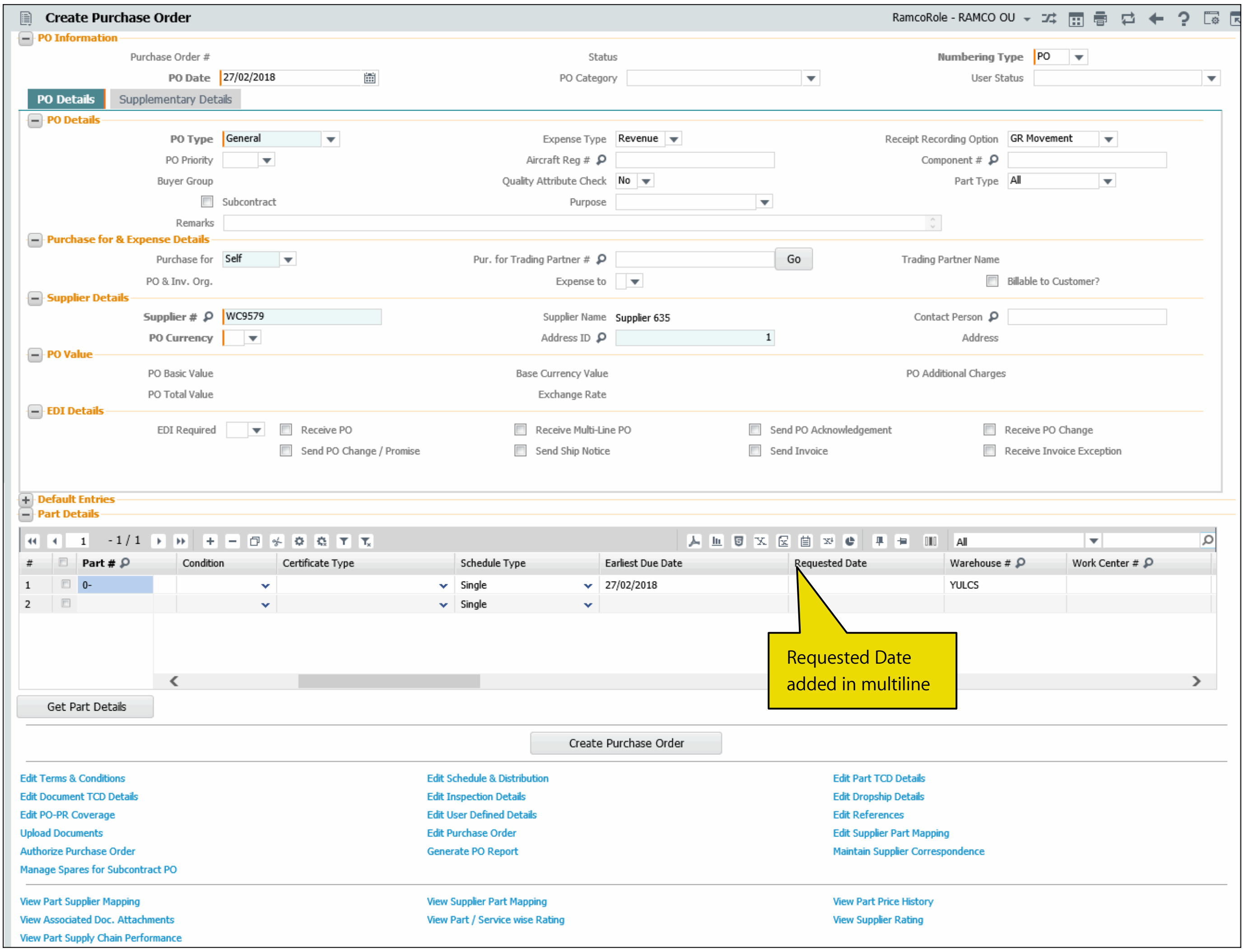


Exhibit 4: Identifies the changes in **Edit Schedule and Distribution** screen

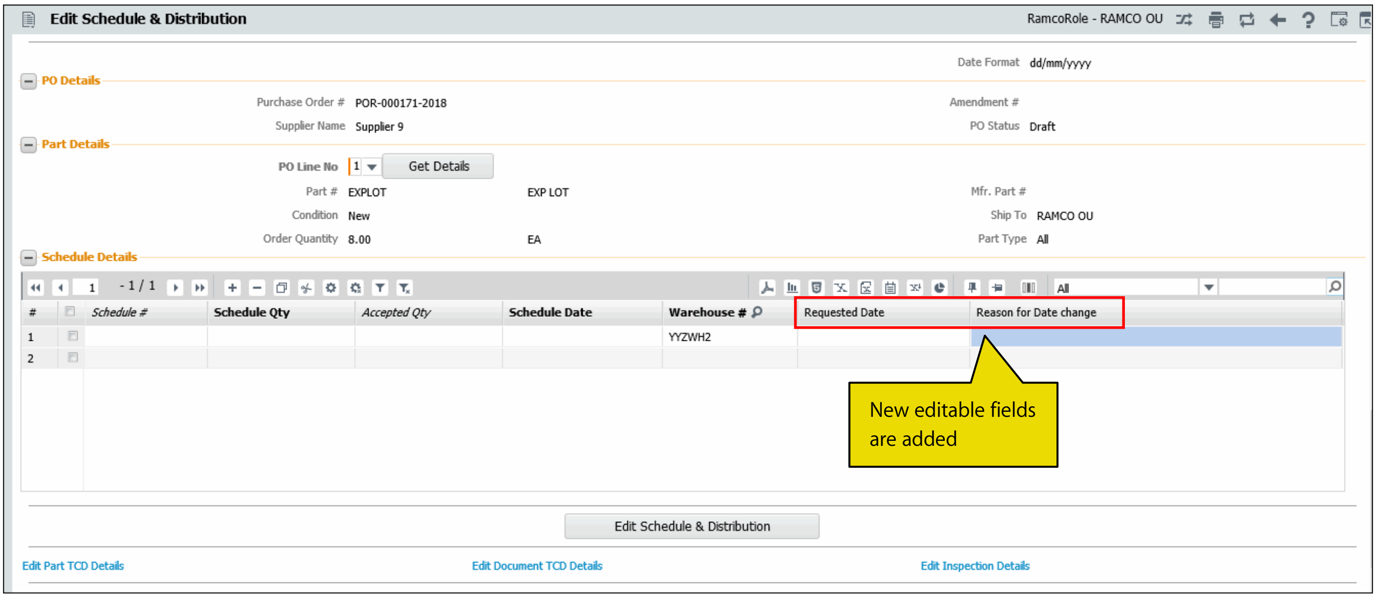


Exhibit 5: Identifies the **Amend Purchase Order** screen

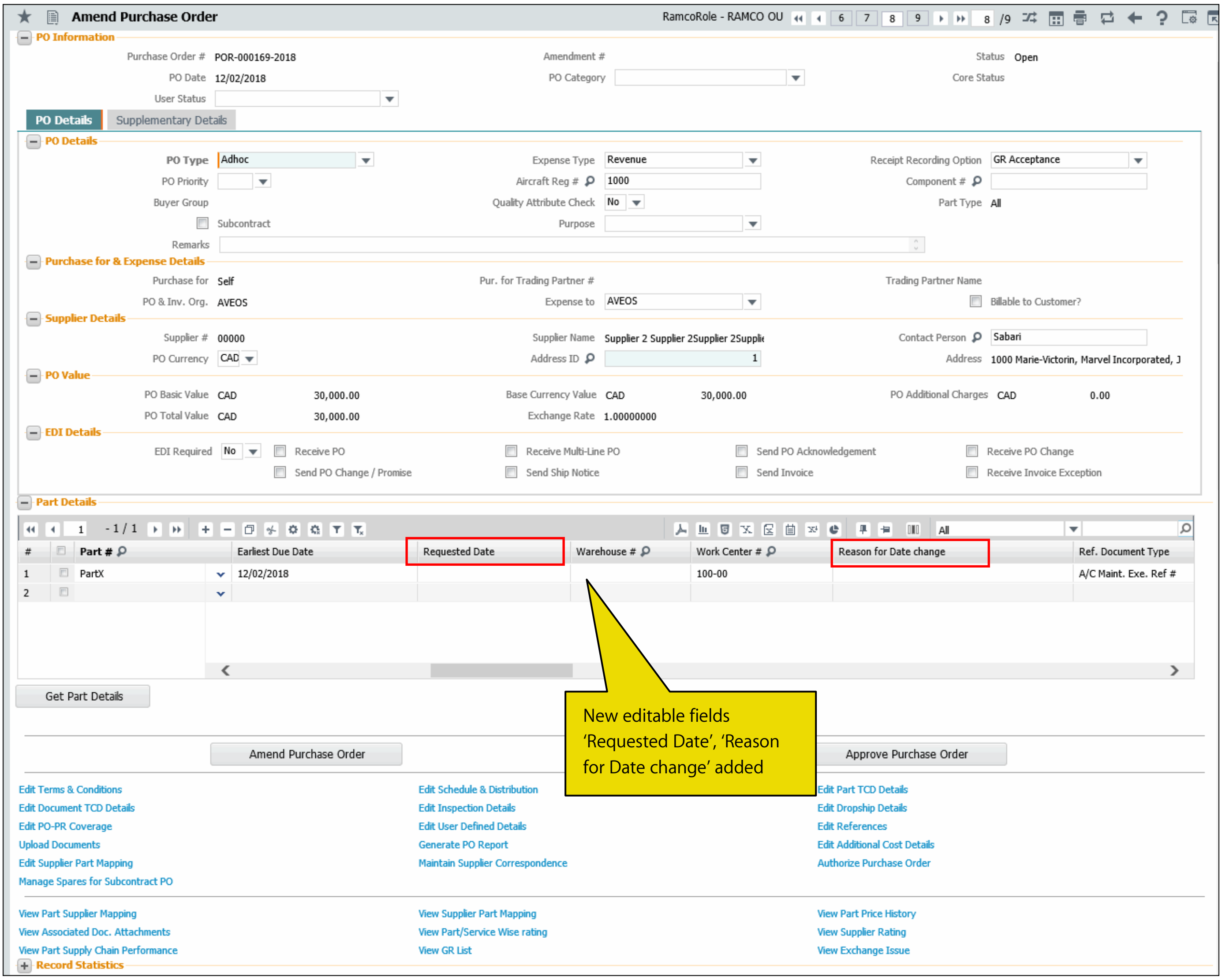
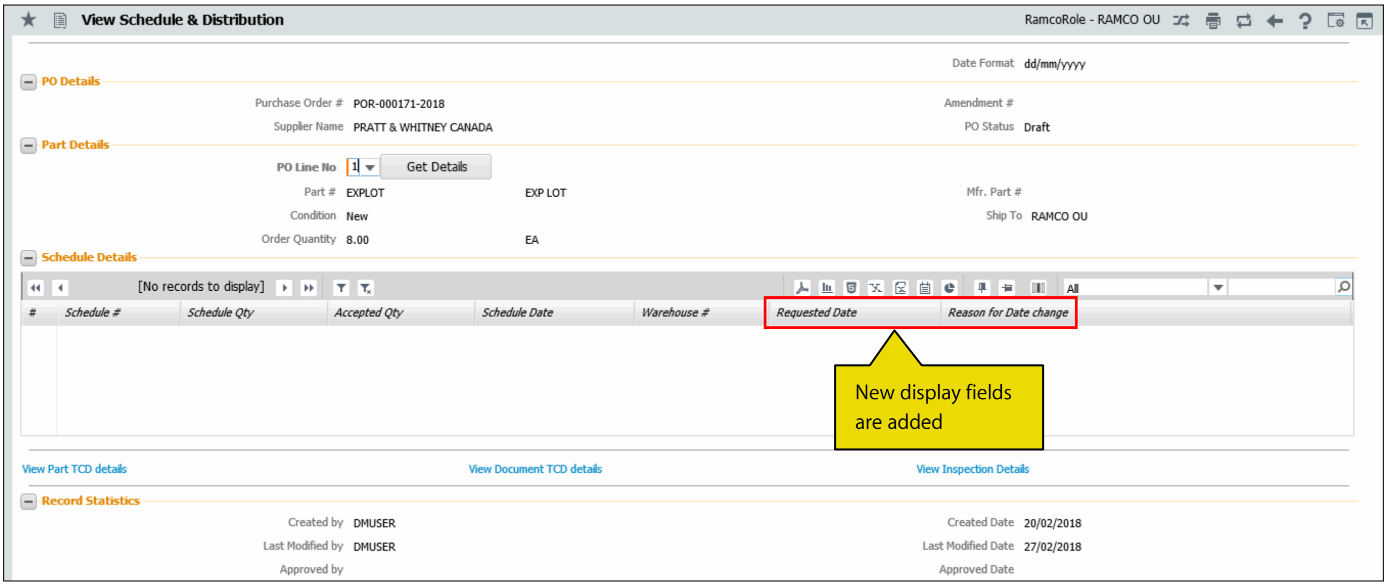


Exhibit 6: Identifies the **View Schedule and Distribution** screen



Ability to view the documents associated to Purchase Order from Authorize Purchase Order screen

Reference: AHBG-22899

Background

This enhancement provides the ability to view the documents attached to a purchase order during authorization.

Change Details

A new link 'View Associated Doc. Attachments' is added in the **Select Purchase Order** screens of the **Authorize Purchase Order** activity and **View Purchase Order** activity of the **Purchase Order** business component. This link enables to view / delete the documents associated to the Purchase Order.

Exhibit 1: Identifies the **Select Purchase Order** screen of the **Authorize Purchase Order** activity

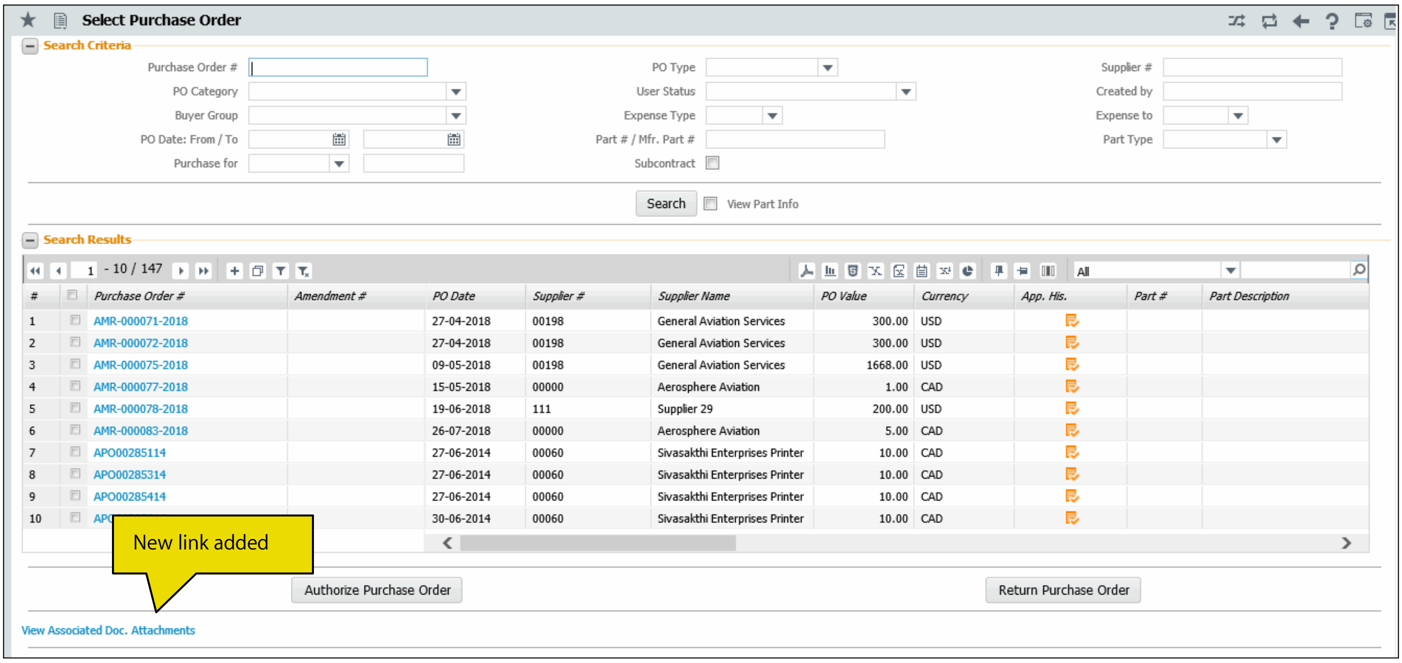
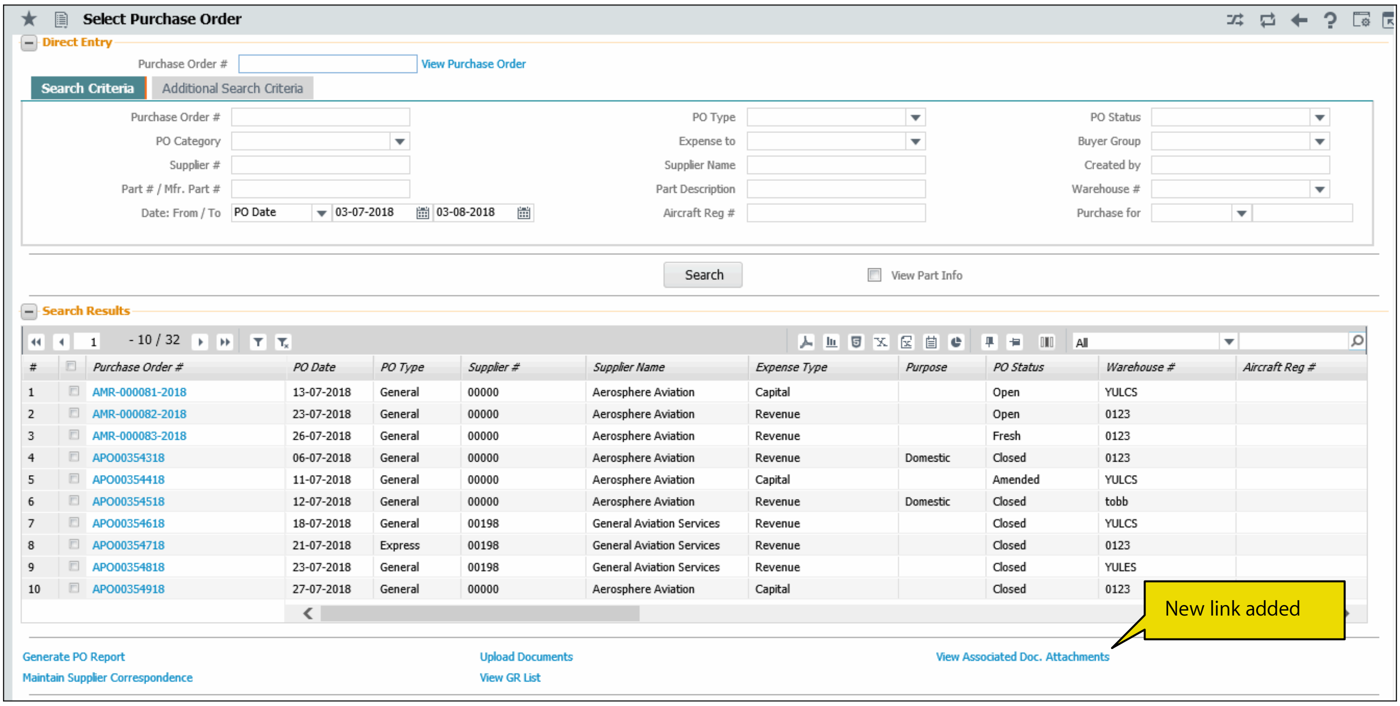


Exhibit 2: Identifies the **Select Purchase Order** screen of the **View Purchase Order** activity



Ability to initiate workflow based on current date instead of PO date

Reference: AHBG-23058

Background

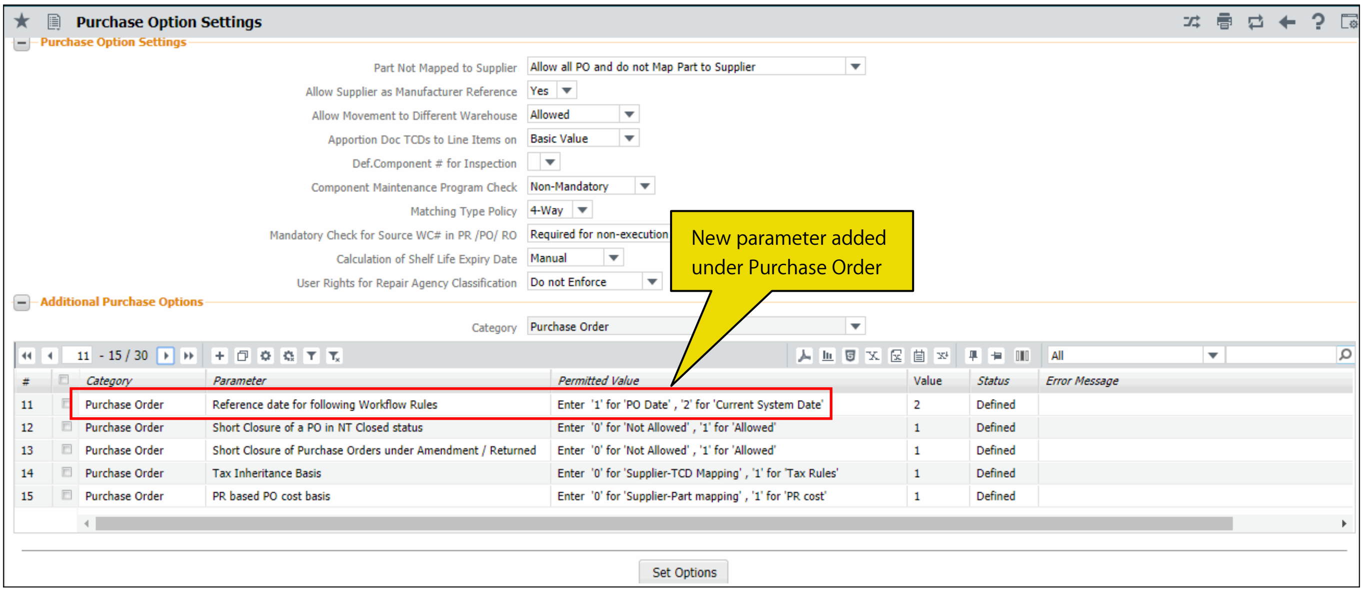
During creation of purchase order, pre-defined parameters are passed to the workflow for authorization of the purchase order. Whenever workflow is called from purchase order, PO Date is usually passed to identify the authorizer. This enhancement provides the ability to consider the PO Date or the current date for processing PO in workflow, based on option setting.

Change Details

A new set option 'Reference date for following Workflow Rules' has been added under the Category 'Purchase Order' in the **Purchase Option Settings** activity of the **Logistics Common Master** business component. The option can be set as 'PO Date' or 'Current System Date'.

- 'PO Date' – The system considers the PO date as the reference date that should be passed to the workflow for PO authorization as per the existing behavior.
- 'Current System Date – The system considers the current date as the reference date that should be passed to the workflow for PO authorization.

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



Ability to view part notes in Purchase Order

Reference: AHBG-23099

Background

Currently in order to view the notes recorded against any part (including the Best purchase practices) during generation of purchase order, it is required to traverse to the **Maintain Notes** screen in **Part Administration** business component. This enhancement provides the ability to view the part notes using the link provided in various screens in **Purchase Order** business component. This eliminates the need to traverse to the Part Administration business component to view the notes recorded against the part, thus enabling quicker review and improving usability.

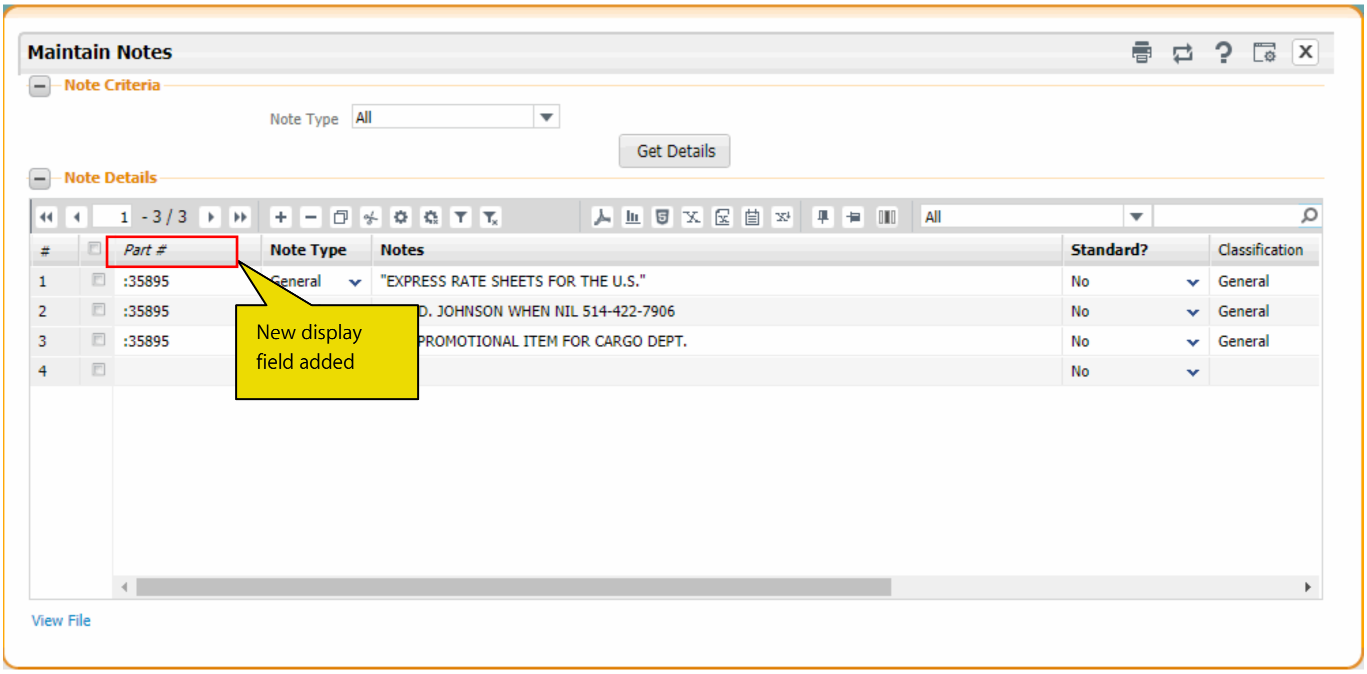
Change Details

Part Administration

A new display field 'Part #' is added in the 'Note Details' multiline of the **Maintain Notes** screen to display the Part # for which the Notes are defined.

Note: This field is visible only when the screen is launched as a link from Purchase Order. When the screen is launched from Purchase Order, the field to enter the Part # and the Save button will be hidden, as well.

Exhibit 1: Identifies the **Maintain Notes** screen launched through the link in **Purchase Order** business component.



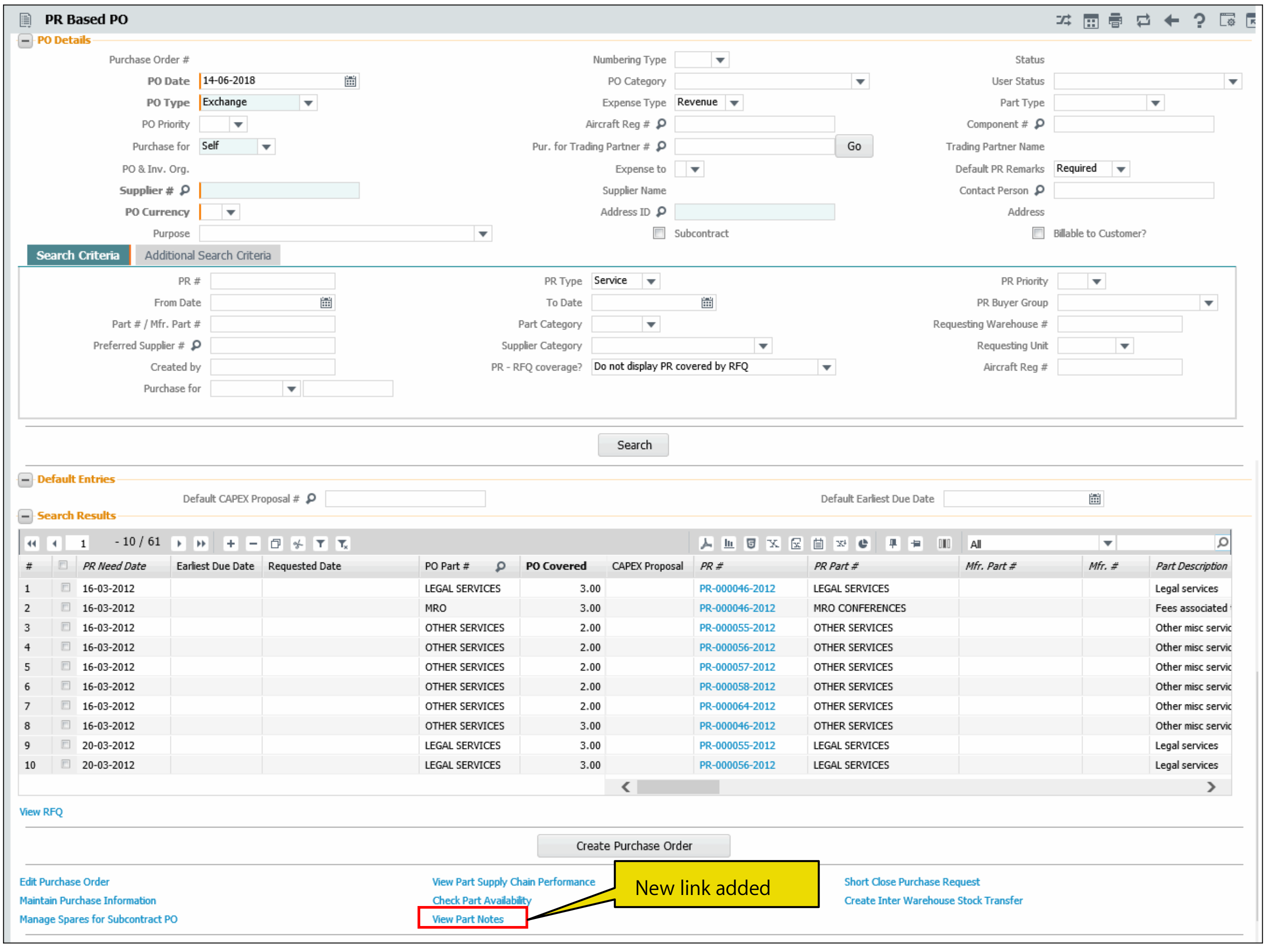
Purchase Order

A new link 'View Part Notes' is added in the following screens:

- Create Purchase Order
- Edit Purchase Order
- Amend Purchase Order
- PR Based PO
- View Purchase Order

When the Purchase Order is created from **PR Based PO** screen and when Part details are retrieved by using 'Get Part Details' button in the **Create** / **Edit** / **Amend Purchase Order** screens, a success message informing the existence of Part Notes will be displayed.

Exhibit 2: Identifies the link addition in **PR based PO** screen



WHAT'S NEW IN REPAIR ORDER MANAGEMENT?

Ability to enable EDI capabilities in Repair Order

Reference: AHBG-22052

Background

Today, in Technology savvy world, information / data is the key to carry out things faster. In Aviation Industry, typically in the MRO segment, only after the Repair Order is raised by the operator, a repair order report shall be sent to the MRO with all the relevant information regarding the part, maintenance tasks, terms and conditions etc. In Ramco, currently there is no capability in RO to electronically transmit information regarding the Repair Services to the MRO. Business requirement is to provide an ability to identify applicable Electronic Data Interchange (EDI) for the Repair services in the supplier master. Also, provision is given to enable / disable EDI in the Repair Order.

Change Details

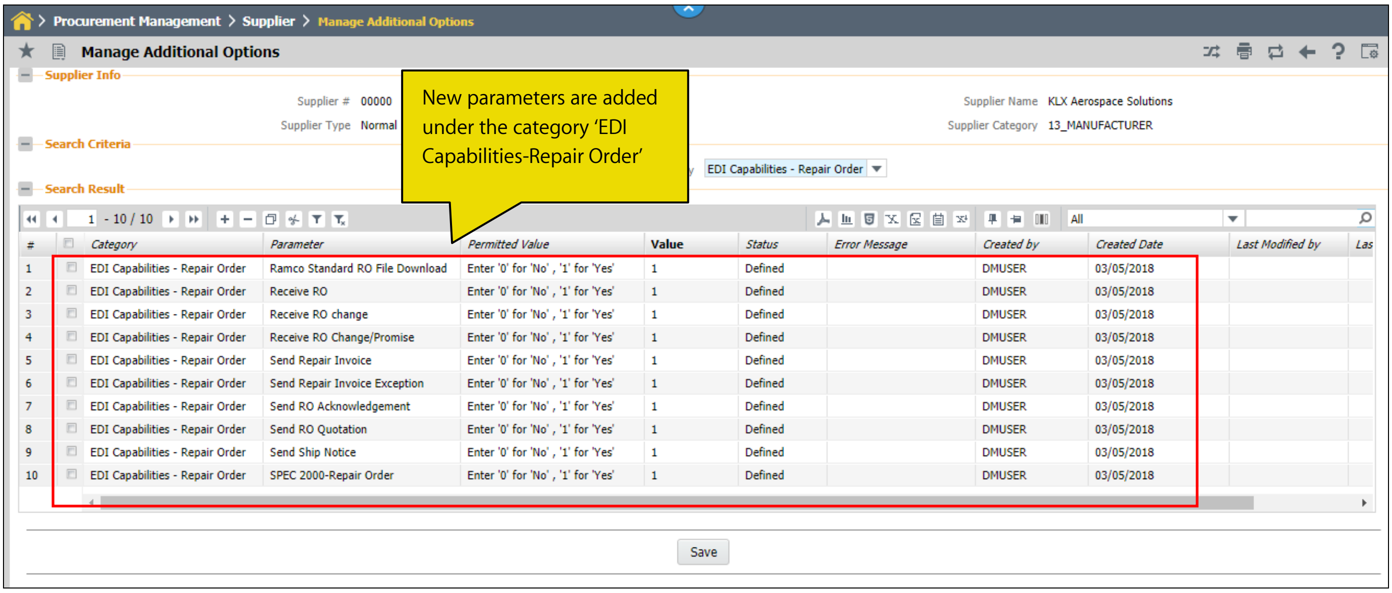
Supplier

In the **Manage Additional Options** screen of the **Supplier** business component, the following changes are done:

- Existing Category 'EDI Capabilities' is renamed as 'EDI Capabilities – Repair Order'.
- The following parameters are added under the category 'EDI Capabilities – Repair Order'

Category	Parameter	Permitted Value
EDI capabilities-Repair Order	Ramco Standard RO File Download	Enter 0 for 'No', 1 for 'Yes'
	Receive RO	Enter 0 for 'No', 1 for 'Yes'
	Receive RO Change	Enter 0 for 'No', 1 for 'Yes'
	Send RO Acknowledgement	Enter 0 for 'No', 1 for 'Yes'
	Send RO Quotation	Enter 0 for 'No', 1 for 'Yes'
	Receive RO Change/Promise	Enter 0 for 'No', 1 for 'Yes'
	Send Ship Notice	Enter 0 for 'No', 1 for 'Yes'
	Send Repair Invoice	Enter 0 for 'No', 1 for 'Yes'
	Send Repair Invoice Exception	Enter 0 for 'No', 1 for 'Yes'
	SPEC 2000-Repair Order	Enter 0 for 'No', 1 for 'Yes'

Exhibit 1: Identifies the **Manage Additional Options** screen in **Supplier** business component



Repair Order

In the **Create Repair Order, Edit Repair Order** and **Manage Repair Quote** screens of the **Repair Order** business component, a new drop-down list box “EDI Required?” with values ‘Yes’ or ‘No’, is added under the ‘Repair Shop Details’ group box. This field specifies whether the EDI capabilities are required or not in the Repair Order.

In the **View Repair Order** screen, a display field “**EDI Required?**” is added under the ‘Repair Shop Details’ group box which specifies whether the EDI capabilities in the Repair Order are applicable or not.

Exhibit 2: Identifies the **Create Repair Order** screen

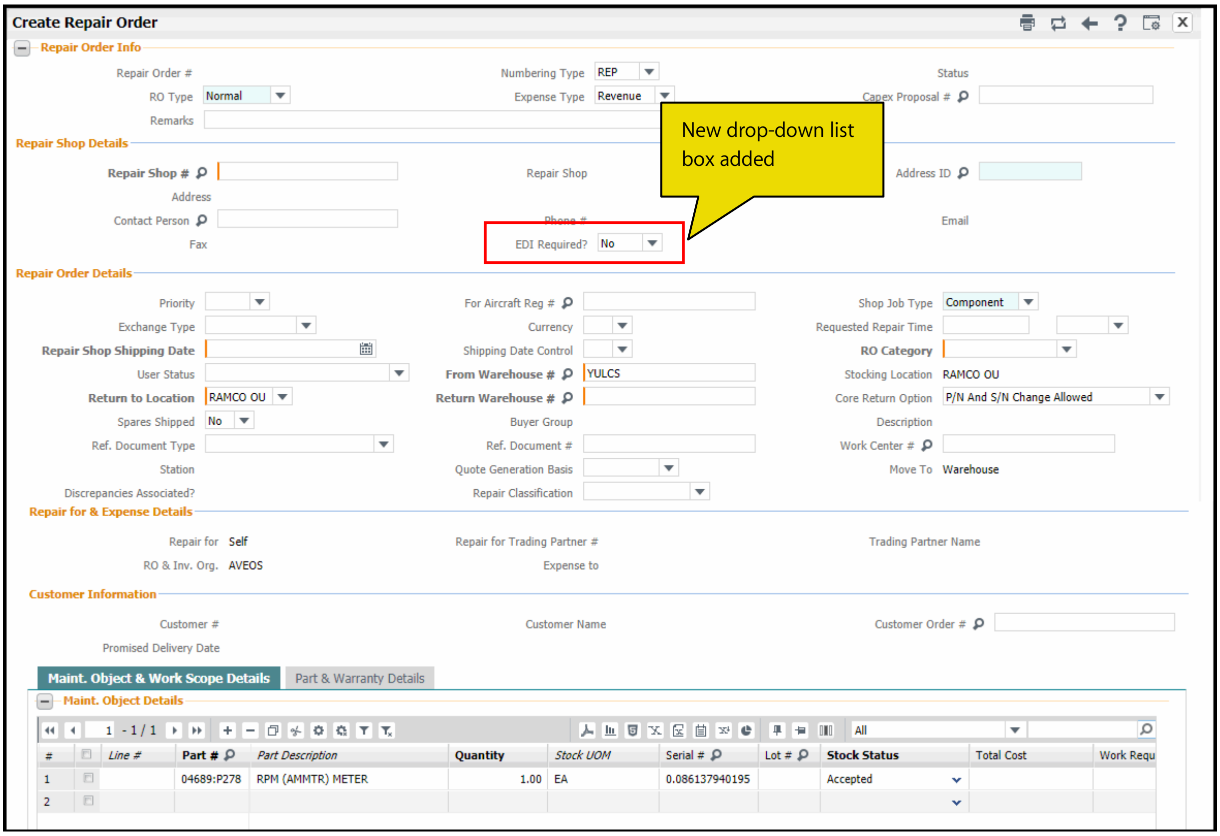


Exhibit 3: Identifies the **Edit Repair Order** screen

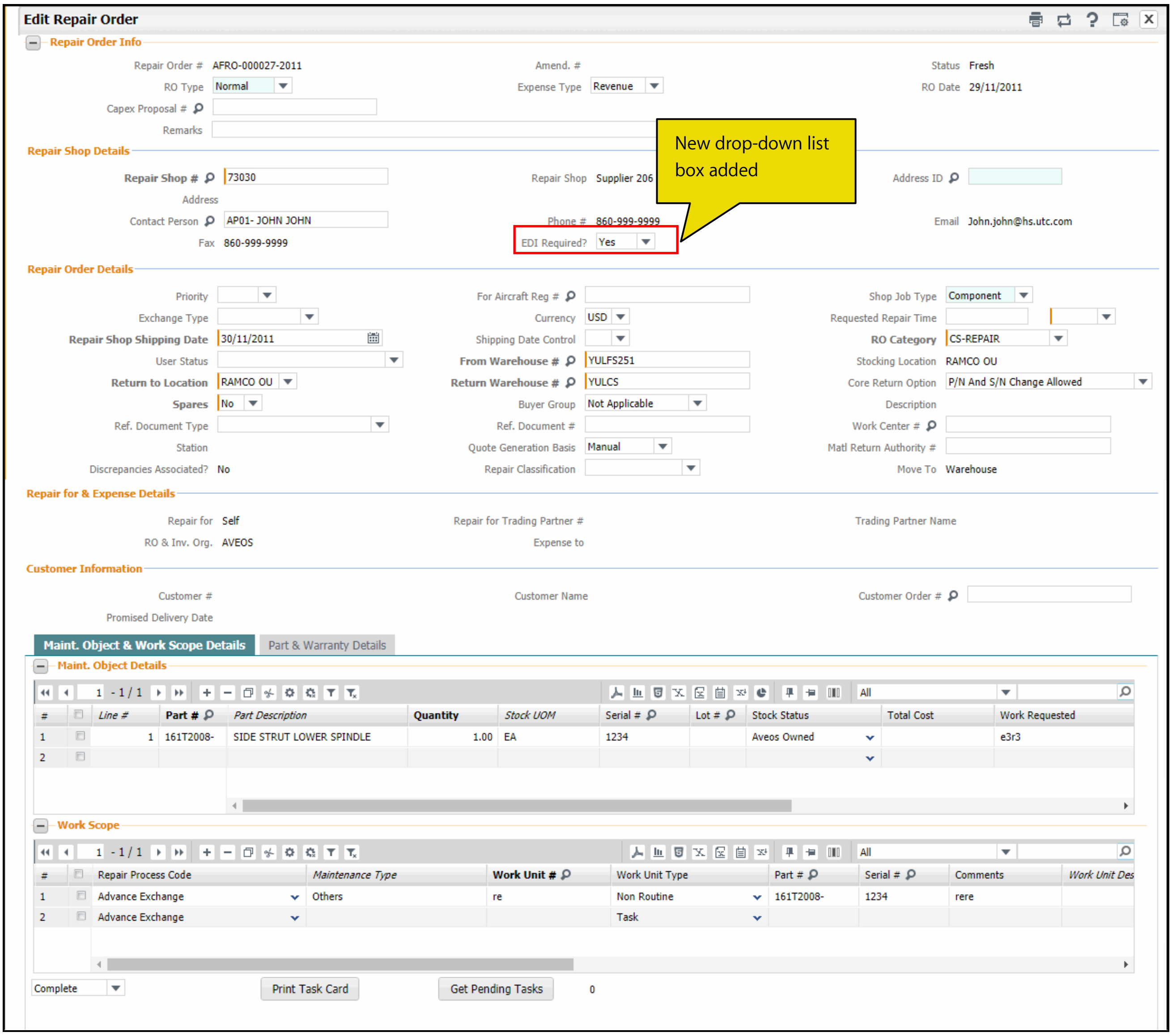


Exhibit 4: Identifies the **Manage Repair Quote** screen

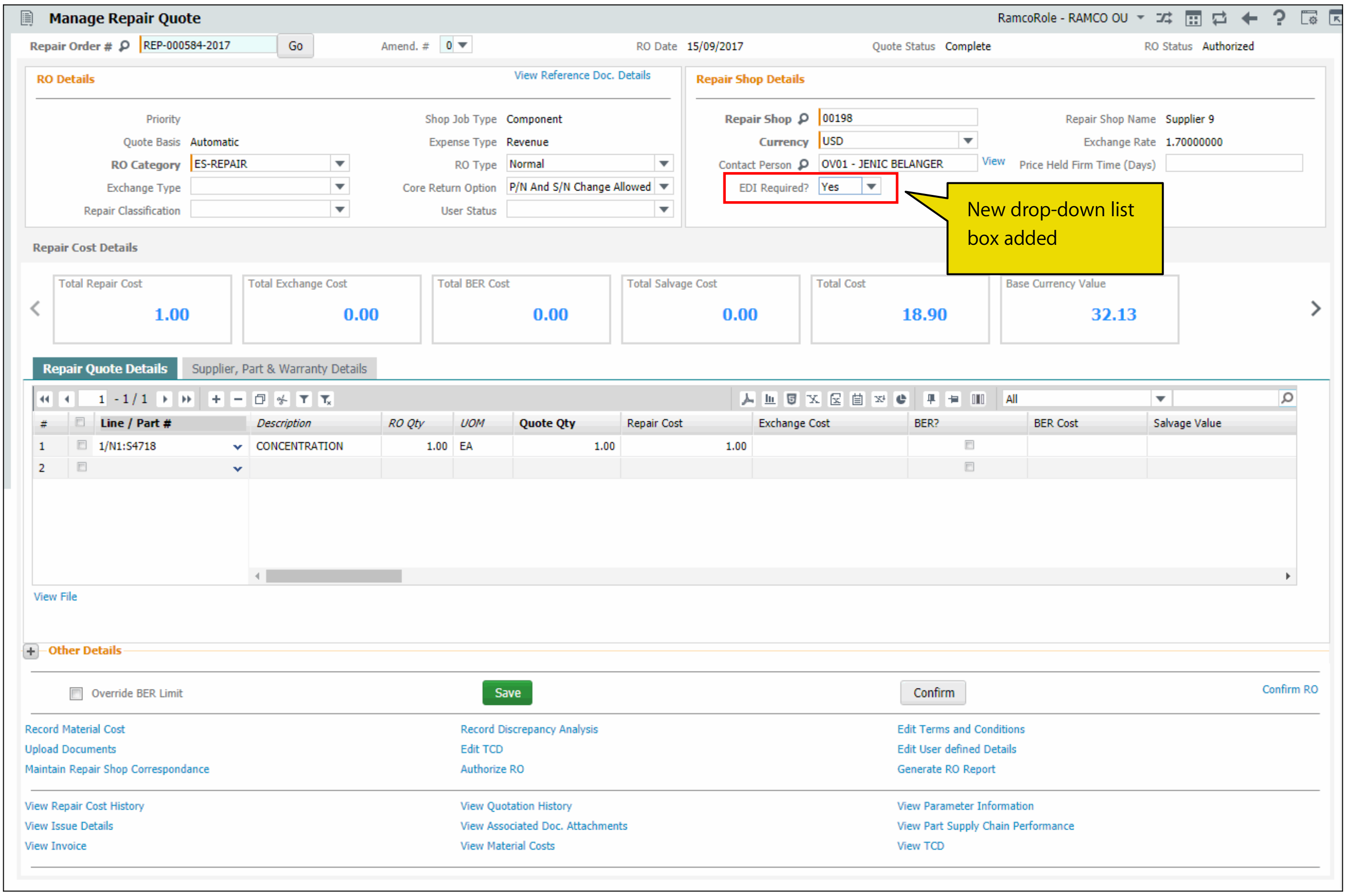
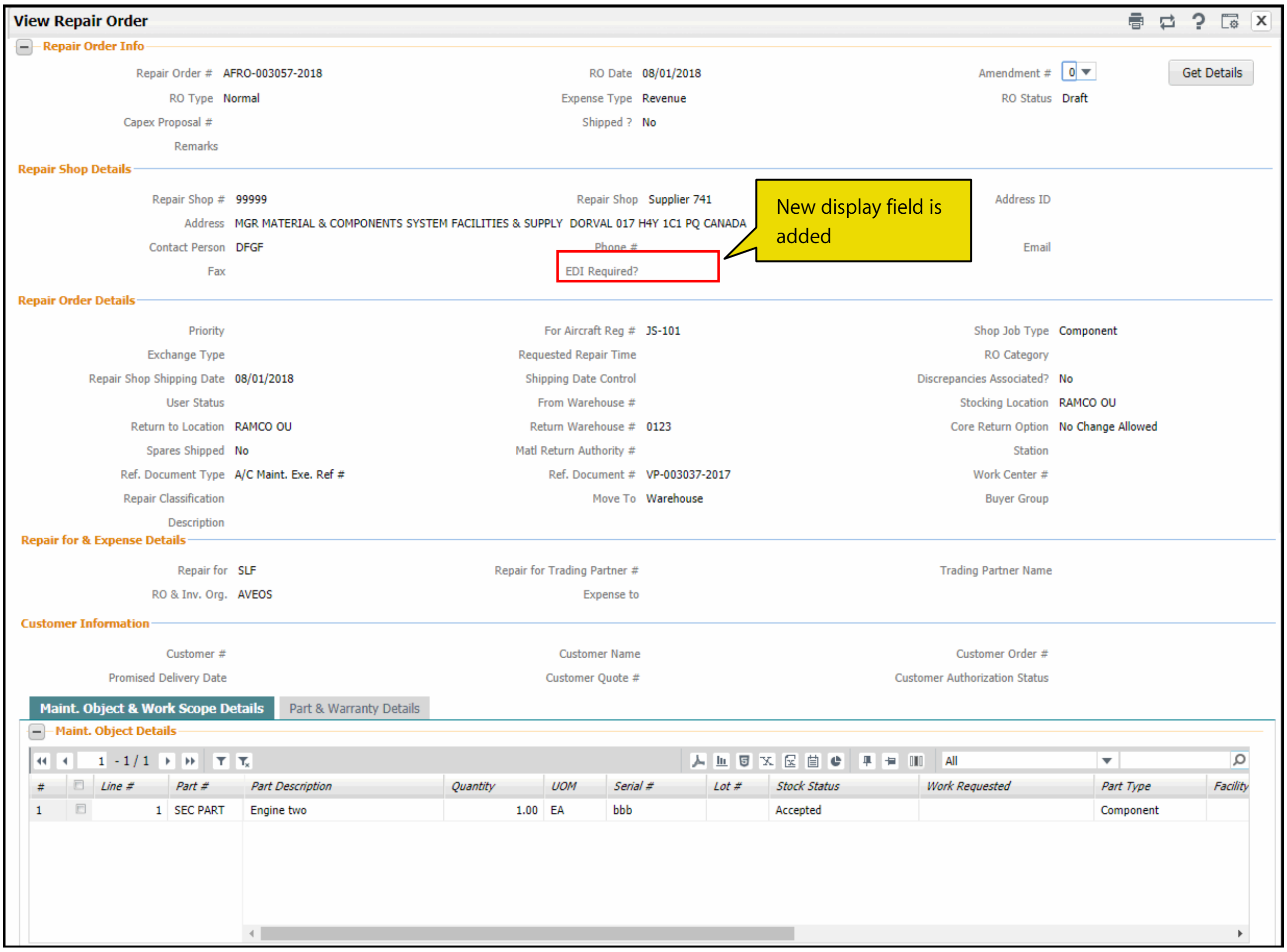


Exhibit 5: Identifies the **View Repair Order** screen



Ability to auto default the Certificate Type in Repair Order based on Supplier Certificate Capability

Reference: AHBG-23120

Background

This enhancement provides the ability to auto default the Certificate Type in Repair Order based on the Supplier Certificate Capability definition in the Supplier master.

Change Details

Logistics Common Master

A new set option “Default Certificate Type based on the Supplier Certificate information” is added under the ‘Repair Order’ category in the **Purchase Option Settings** activity of the **Logistics Common Master** business component, to default the Certificate Type in the Repair Order. If the set option is set as:

- ‘Yes’ - System defaults the Certificate Type defined in the **Edit Certificate Details** page of the **Supplier** business component.
  - If only one Certificate Type is mapped against a supplier, then the same will be defaulted in the Repair Order.
  - If multiple Certificate Types are defined in the Supplier master, then the first Certificate Type effective for the current date will be defaulted.
- ‘No’ - The existing behaviour to default the certificate type will be retained.

Exhibit 1: Identifies the addition of new set option in **Purchase Option Settings** screen

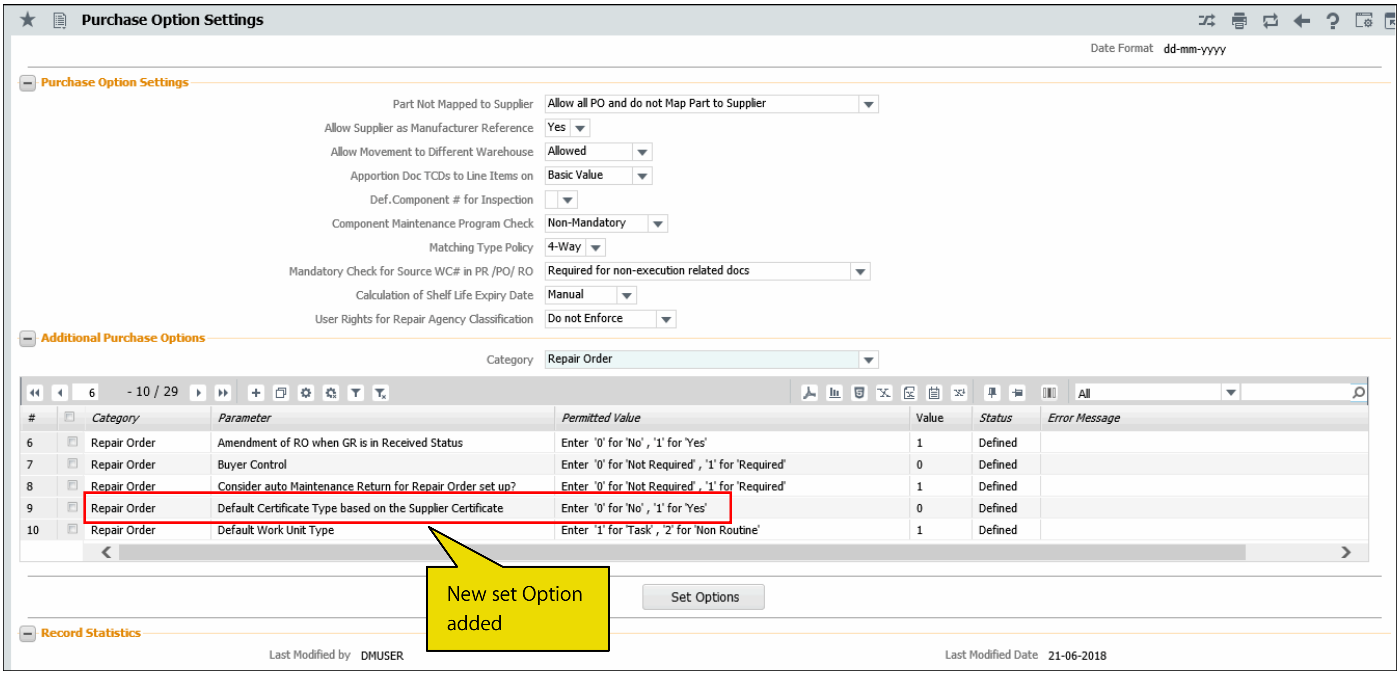
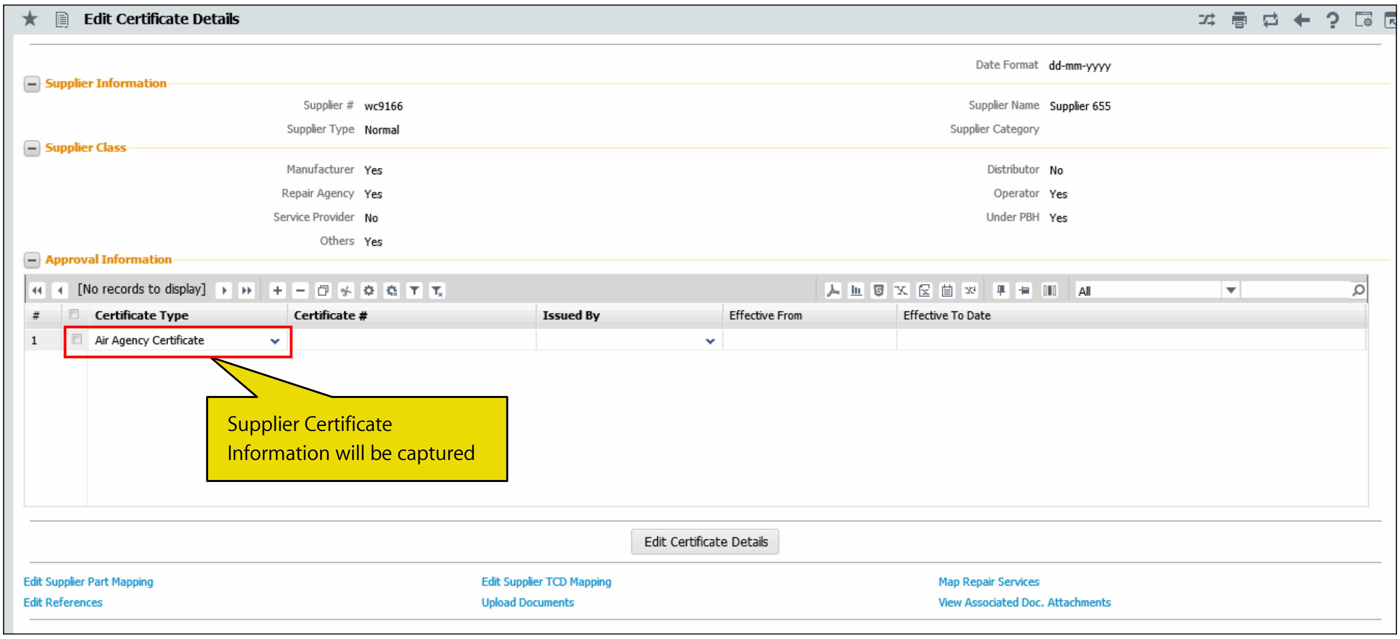


Exhibit 2: Identifies the Certificate Type Definition in **Edit Certificate Details** screen of the **Supplier** business component

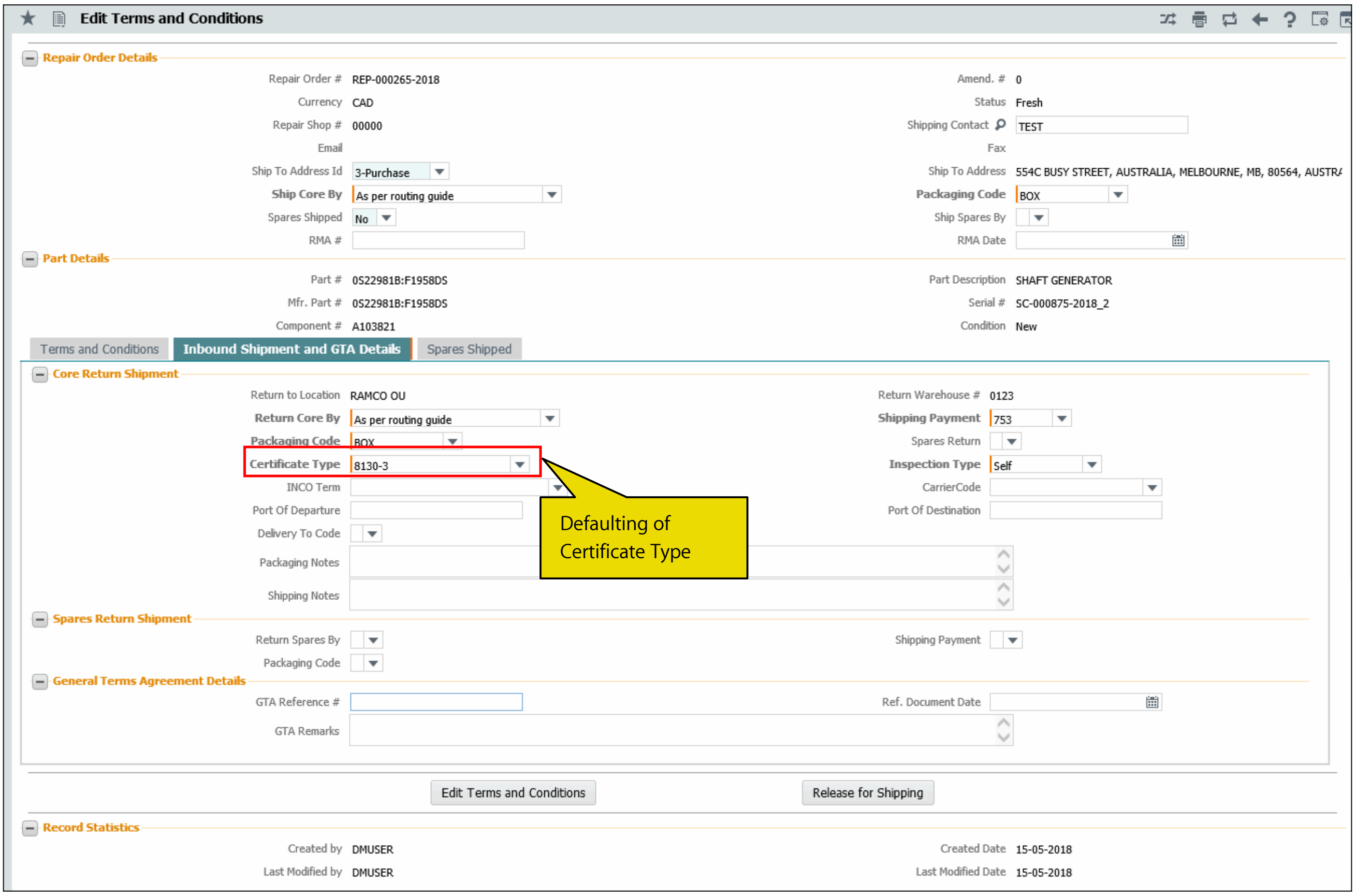


Repair Order

Edit Terms and Conditions

Upon creation of Repair Order, the 'Certificate Type' field in the "Inbound Shipment and GTA Details" tab of the **Edit Terms and Conditions** screen will be defaulted based on the set option 'Default Certificate Type based on the Supplier Certificate information' defined in the **Purchase Option Settings** activity.

Exhibit 3: Identifies the **Edit Terms and Conditions** screen of the **Logistics Common Master** business component



Ability to manage taxes in Repair Order at RO Quote line level and support Indian GST

Reference: AHBG-14228

Background

Currently in Repair Order, there is a provision to capture the tax at document level only. But there is no provision to capture the Taxes at Quote Line level (i.e. Part). Hence there is a requirement to capture the Tax at Quote Line level and also modify the taxable amount while recording Document and Quote Line # / Part # TCDs in Repair Order.

Change Details

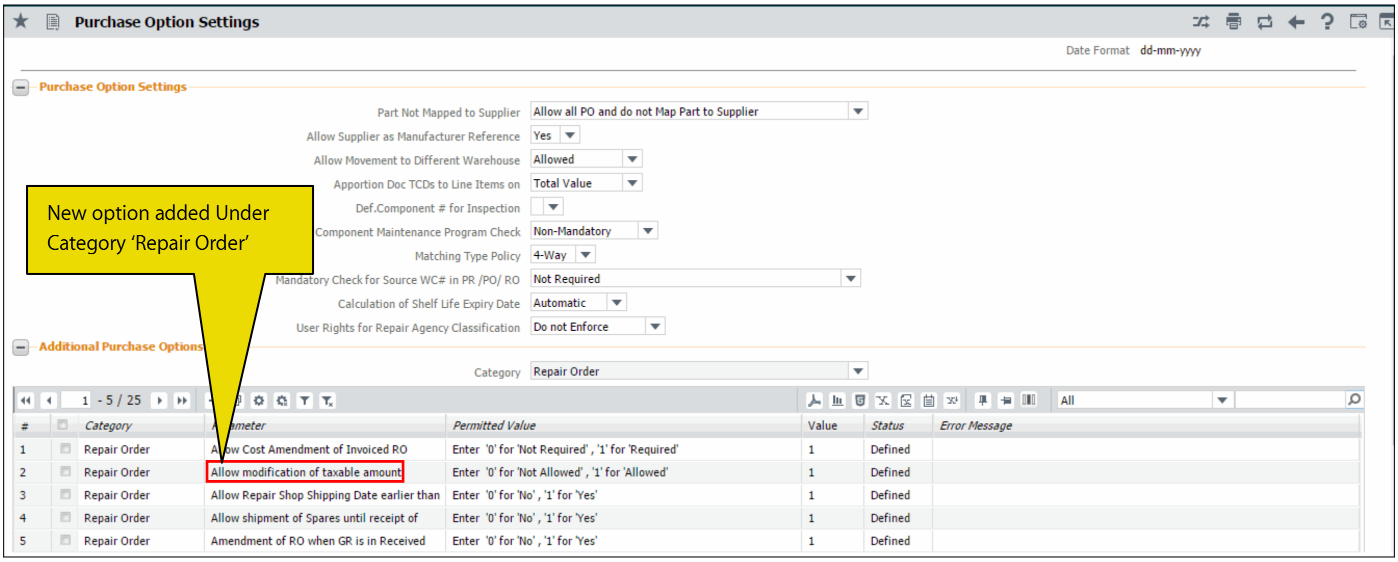
This enhancement allows recording TCDs at Quote Line level and also modifying the taxable amount while recording Document and Quote Line # / Part # TCDs. The total tax amount is displayed in **Manage Repair Quote** in order currency and base currency. This is facilitated through the below changes:

Logistics Common Master

A new set option is added under the Category 'Repair Order' in the **Purchase Option Settings** activity of the **Logistics Common Master** business component.

- 'Allow modification of taxable amount?' provides the following options:
  - Allowed - User will be allowed to modify the Taxable amount in Edit TCD screen.
  - Not Allowed - System will not allow user to enter or modify the Taxable amount in Edit TCD screen.

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



Repair Order

The following changes have been made in the **Repair Order** business component.

Edit TCD and **View TCD** screens:

1. The existing combo 'Matl Line #' has been renamed as 'Quote Line # / Part #'.

2. The 'TCD Mode' drop-down lists the additional value 'Quote Line # / Part #' along with the existing value 'Document' in the Search Criteria.
   - If TCD Mode is selected as 'Document' in **Edit TCD** screen, the system retrieves and displays all the saved records for the Document TCD with TCD Mode as 'Document', Quote Line # / Part # as 'Blank' and Taxable amount as 'Total Repair cost of all lines' along with other values for respective records in the multiline (if available). (*Existing Logic*)
   - If the TCD Mode is selected as 'Quote Line # / Part #', the retrieves and displays all the saved records for the Quote Line TCD with TCD Mode as 'Quote Line #/Part #' and Quote Line # / Part # as 'respective quote line reference' and Taxable amount as 'Repair cost of respective line selected in the Quote Line #/Part #' along with other values for respective records in the multiline (if available).
3. Search criteria has been modified from 2 column approach to 3 column approach.
4. New drop-down list boxes 'TCD Mode' and 'Quote Line # / Part #' and an editable control 'Taxable Amount' have been added in 'TCD Information' multiline. (These are display only controls in **View TCD** screen).

Manage Repair Quote screen:

5. Two new tiles 'Total TCD Amount' and 'Total TCD Amount (Base Curr.)' have been added in 'Repair Cost Details' tile section.

TCD Amount Calculation Logic

With the introduction of new value 'Quote Line # / Part #' in TCD, TCDs can be recorded now at each Repair part level based on tax inheritance logic. The TCD amount is calculated based on the following logic:

1. If TCDs are recorded / modified and if TCD Mode is selected as 'Document', and if user has not entered taxable amount, then on save, **TCD Amount** is computed on the RO Total Cost (*Total Repair Cost + Total Exchange Fee + Total BER Cost - Total Salvage Cost*). Also the system displays the Taxable Amount as the RO Total Cost and TCD Amount on page refresh.

2. If TCDs are recorded / modified and if TCD Mode is selected as 'Quote # / Line #', and if user has not modified taxable amount, then on save, the **TCD Amount** is computed on the RO Total Value for the selected Quote # / Line # (*Repair Cost + Exchange Fee + BER Cost - Salvage Cost* for the selected line). The system displays the Taxable Amount corresponding to the Quote # / Line # on selection of 'Quote Line # / Part #' combo.

   Note: If user has entered / modified the taxable amount, then on save, the TCD Amount is computed on the user modified Taxable Amount.

TCD Difference Amount Calculation Logic

If RO is amended and Repair Cost is modified, the system updates the Taxable amount available in the **Edit TCD** screen as the modified RO Cost and then post the TCD diff. amount on save based on the following logic:

1. If TCD Mode is set as 'Document' and if user has not entered the Taxable amount, the TCD Amount is recomputed based on the revised taxable amount and the diff. TCD amount (i.e. +ve or -ve) is posted appropriately.

2. If TCD Mode is set as 'Quote Line # / Part #' and if user has not entered the Taxable amount corresponding to the Quote Line # / Part #, the the TCD Amount is recomputed based on the revised taxable amount for the Quote Line # / Part # and the diff. TCD amount (i.e. +ve or -ve) is posted for the Quote Line # / Part # by apportioning the cost to all qty appropriately.

Tax Inheritance Logic at line level

Based on TCD Code, Tax Region from, Tax Region to and other parameters like Part Group, Supplier Group, Warehouse Group, Document Type and Document Sub Type, Tax Inheritance happens at line level.

Example: Consider that tax rules are defined as per the below table.

S.No	Part Grp	Sup Grp	Doc Type	Doc Sub	Wh Grp	Applied on?	Tax Region From	Tax Region To	Eff From	Eff To	Order of Pref	Tax	Var
1.	PGrp1	SGrp1	RO	Normal	WhGrp1	Doc	TN	AP	17/02/15	20/02/15	3	SGST1	V1
2.	PGrp1					Doc			17/02/15	20/02/15	1	SGST2	V2
3.	PGrp1	SGrp1				Doc	AP	KA	17/02/15	20/02/15	4	CGST3	V3
4.	PGrp2	SGrp1	RO	Normal	WhGrp1	Doc	TN	KA	17/02/15	20/02/15	2	SGST4	V4
5.	PGrp1	SGrp1	RO	Normal		Doc	KA	TN	17/02/15	20/02/15	6	SGST2	V5
6.	PGrp1	SGrp1	RO	Normal		Doc	TN	TN	17/02/15	20/02/15	5	IGST1	V6

When a RO is created with one part and if the parameters determined from RO are "PGrp1, SGrp1, RO, General and WhGrp1" then we find an exact match on ‘S.No: 1’ and it should consider inheriting T1 and V1 as TCD. In case if ‘S. No: 1’ is not available then it should check if there are any 4 parameter match i.e., ‘S.No: 5 & 6’ are matching. Tax Type of the Tax Rules are same, so the one with least order of preference i.e., 5 is considered in this case.

Exhibit 2: Identifies the changes in **Edit TCD** screen in **Repair Order** business component

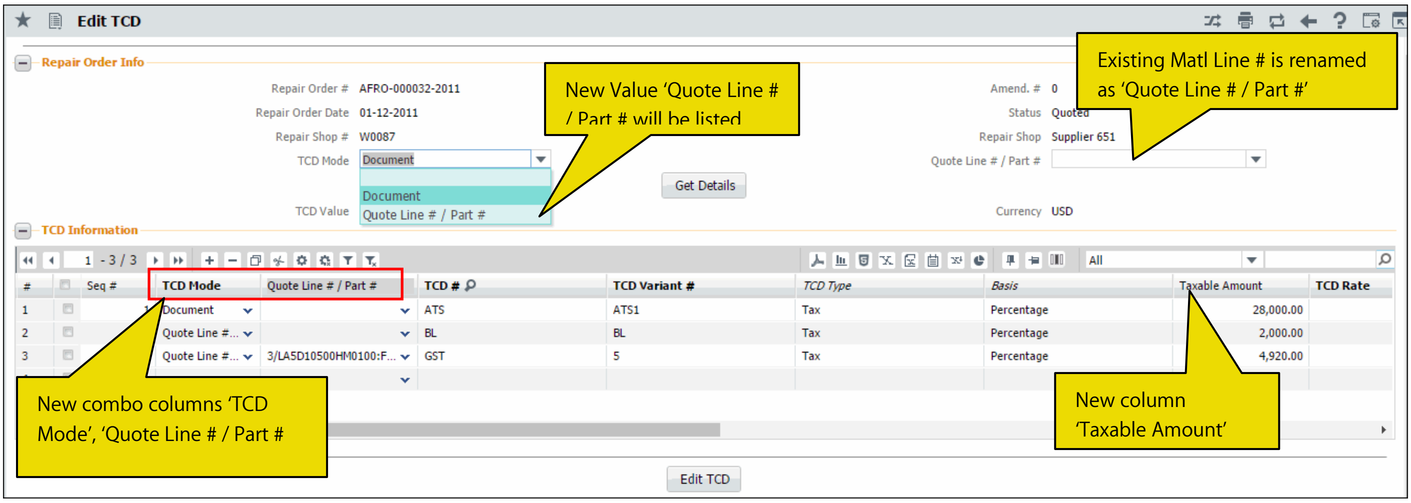


Exhibit 3: Identifies the changes in **View TCD** screen in **Repair Order** business component

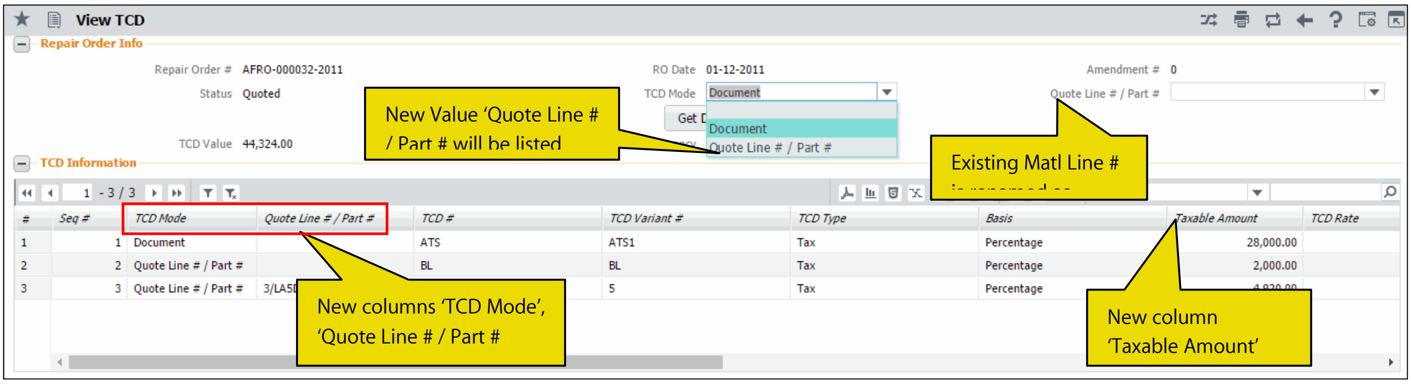
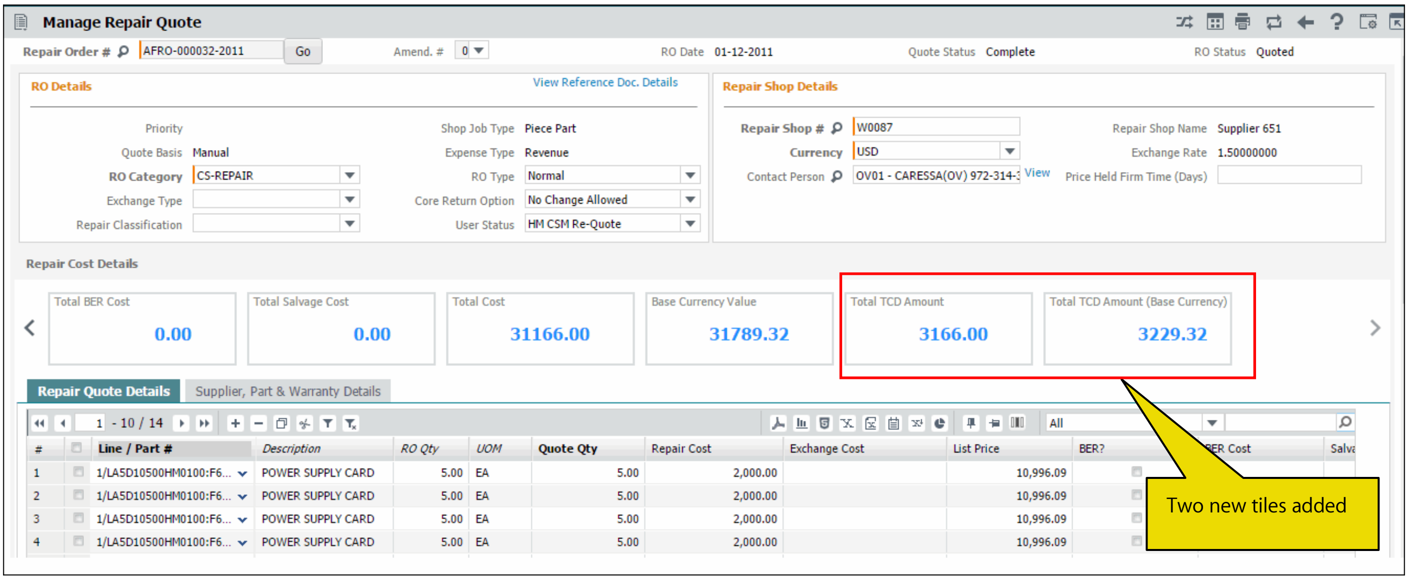


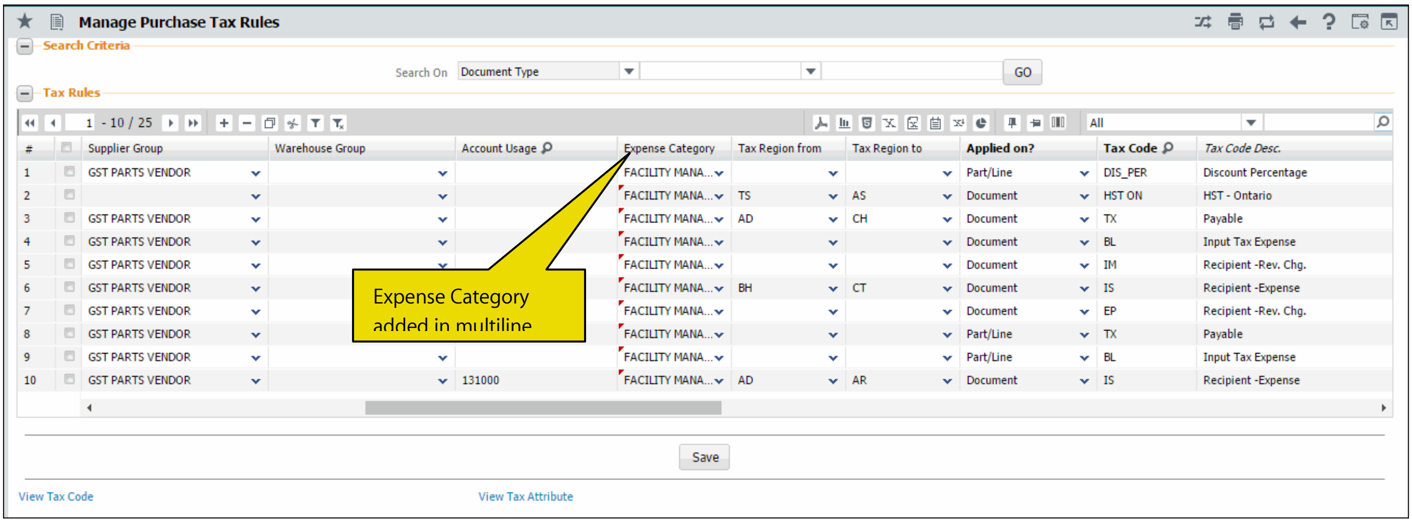
Exhibit 4: Identifies the changes in **Manage Repair Quote** screen



TCD

A new drop-down list box 'Expense Category' is added in the 'Tax Rules' multiline of the **Manage Purchase Tax Rules** activity of the **Taxes Charges and Discounts** business component, to capture the Expense Category in TNC for tax rule definition.

Exhibit 5: Identifies the changes in **Manage Purchase Tax Rules** screen



Repair Order Report

New columns 'TCD Mode', 'Quote Line # / Part #' and Taxable Amount have been be added under Additional Charges Cluster in Repair Order Report.

WHAT'S NEW IN PURCHASE ORDER AND REPAIR ORDER?

View Approval History in Authorize and View PO

Reference: AHBG-16021

Background

Buyer creates a Purchase Order with the required items and quantity and based on various parameters, the system routes the PO document to respective authorizer based on the workflow configuration. Buyer views the authorization status of the Purchase Order and follows-up with the authorizers so that the order can be released to the supplier at the earliest. For knowing the current authorizer, the buyer is now required to navigate to a completely different screen in workflow management business process. Also, there could be some remarks the authorizers would wish to update against the Purchase Order during authorization. Currently, there is no provision to capture this authorization remarks. This enhancement provides the ability to view the authorization trail of a Purchase Order and also the provision to update the authorization remarks.

Change Details

A new column 'FLG' is added in the multiline of the select screens of **Authorize Purchase Order** activity and **View Purchase Order** activity. On clicking the icon available in this column, 'Approval History' screen will be launched and this screen will display the authorization trail of the Purchase order selected. This screen displays the details like the Purchase Order # to be authorized, levels of authorization and the corresponding Authorizer details, Date of authorization, Authorization status and Comments (if any). Also, mail can be opened from the approval history pop-up by clicking the mail icon next to the user.

Note:

- *If a workflow profile is associated for a given level of authorization, then*
    - *The user displayed will be the login user (if the user is a part of the workflow profile for that level) or the first user in that workflow profile.*
    - *The other users in the workflow profile can be viewed by clicking the icon next to the user name.*
- *The details of the workflow path taken can be viewed by clicking the number available in the Level column.*
- *If workflow based authorization is not enabled, then it shall display a blank multiline.*

Exhibit 1: Identifies the select screen of **Authorize Purchase Order** activity.

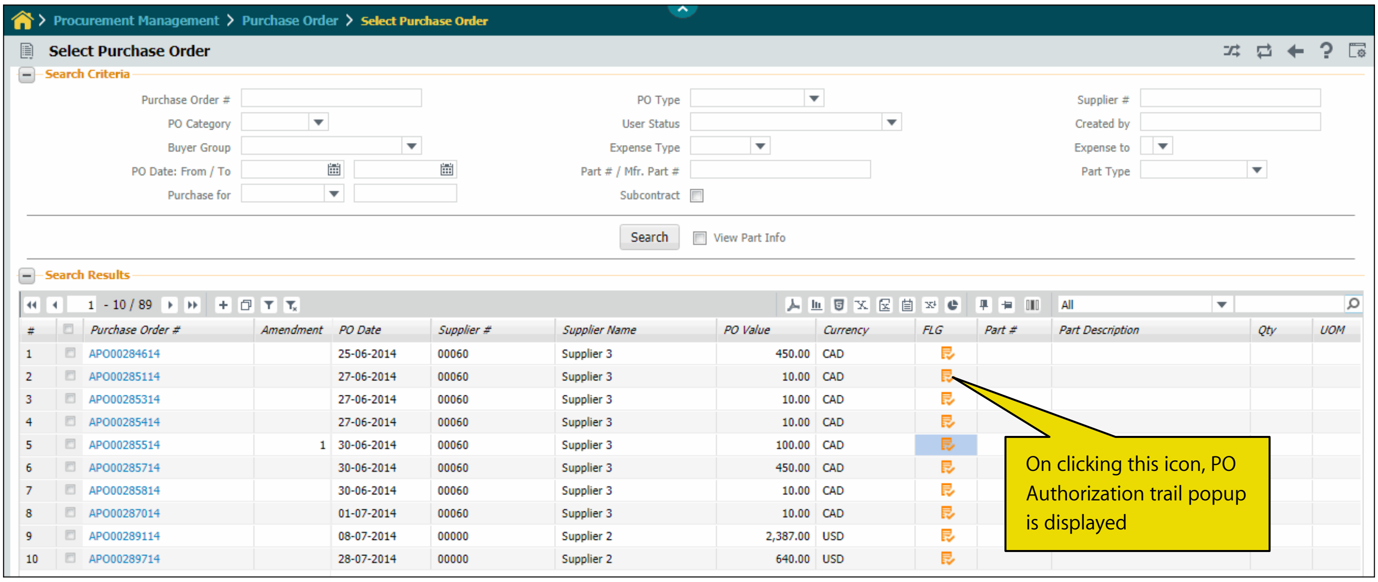
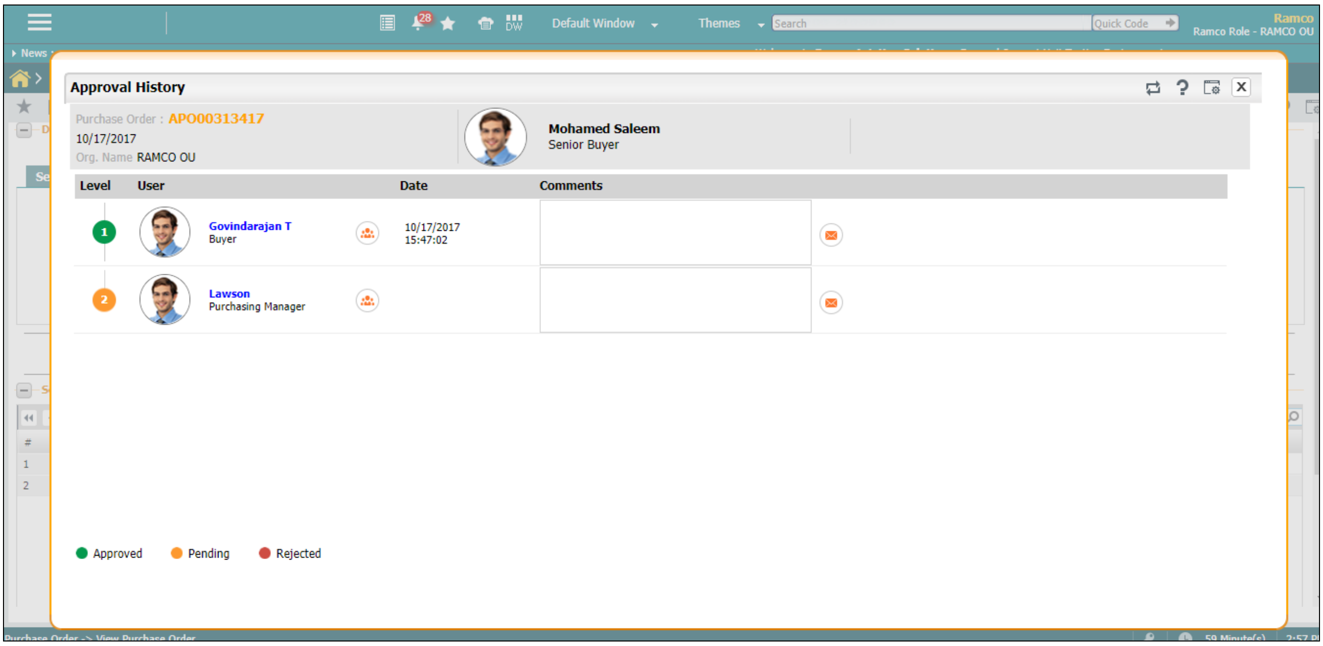


Exhibit 2: Identifies the **Approval History** displayed in PO



View Approval History in Authorize and View RO

Reference: AHBG-16224

Background

This enhancement provides the ability to view the approval history of a repair order from the Authorize Repair Order and View Repair Order screens. It also provides the provision to take the authorization remarks provided by a user.

Change Details

A new column 'App. His.' is added in the multiline of the select screens of **Authorize Repair Order** activity and **View Repair Order** activity. On clicking the icon available in this column, 'Approval History' screen will be launched and this screen will display the authorization trail of the Repair Order selected. The screen also displays the Authorization date, Authorization status, Authorizer information and authorization comments similar to the one displayed in PO.

Exhibit 1: Identifies the select screen of **View Repair Order** activity.

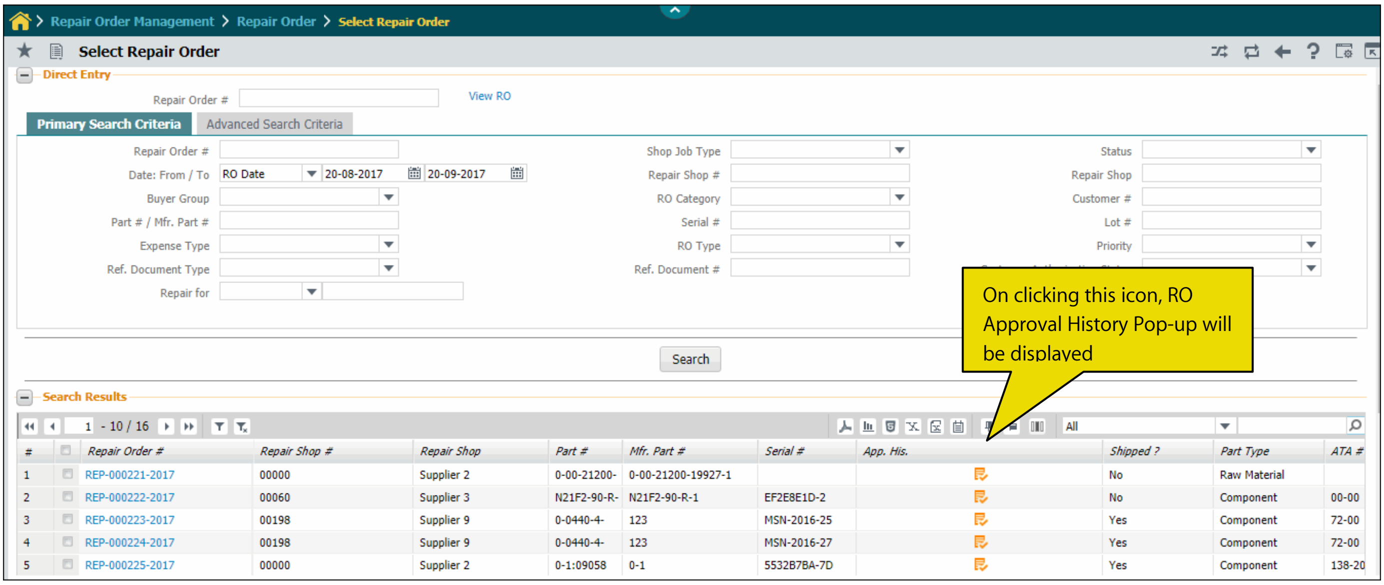
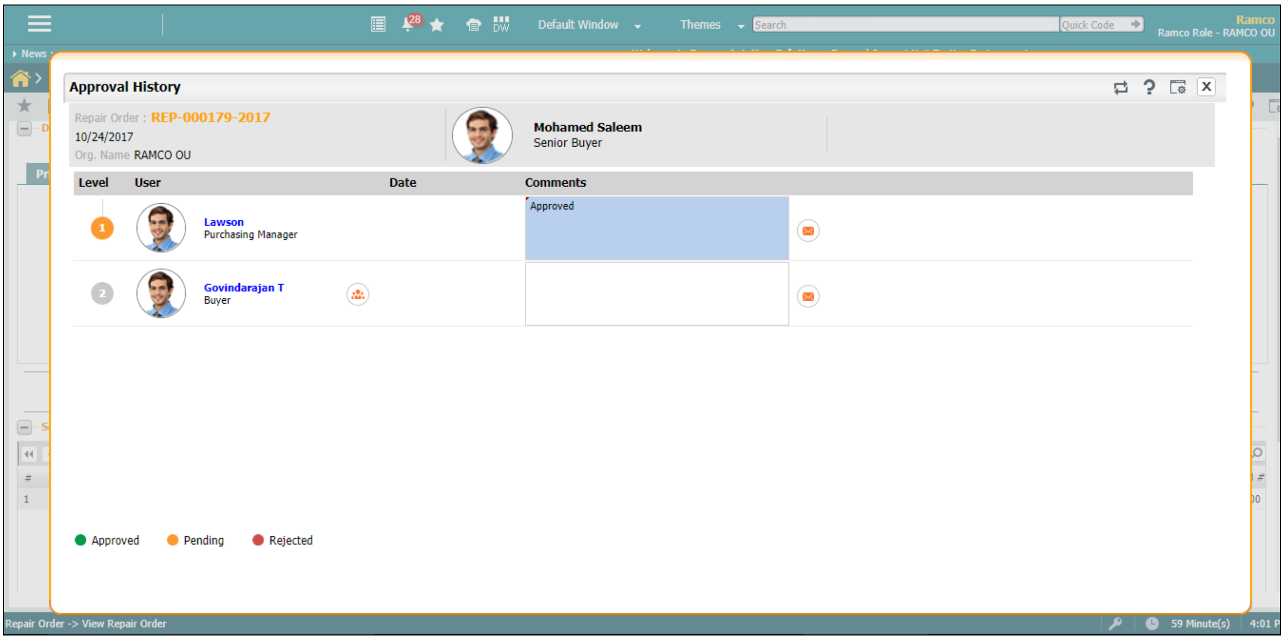


Exhibit 2: Identifies the **Approval History popup** displayed for RO



WHAT'S NEW IN LOAN ORDER?

Ability to Loan parts on behalf of Customer

Reference: AHBG-15106

Background

Currently, system allows loaning in parts from a supplier only for the login organization. However, there are scenarios in which parts needs to be taken on loan for the group company, who is a customer to the login organization and the invoicing will be done to the group company. A provision is required to create loan orders on behalf of the group company.

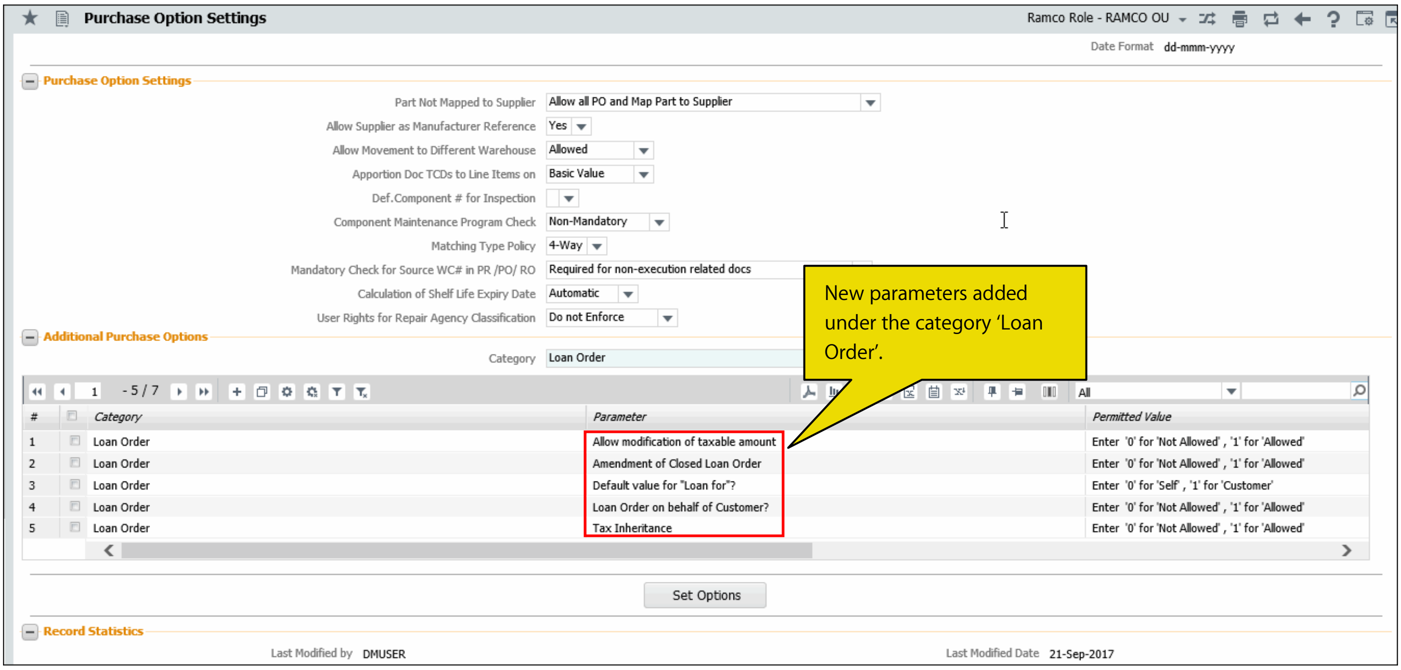
Change Details

Logistics Common Master

New set options are added under the Category 'Loan Order' in the **Purchase Option Settings** screen of the **Logistics Common Master** business component to facilitate loaning parts on behalf of customer.

- 'Loan Order on behalf of Customer?' is added with the following options:
  - Allowed –Loaning of parts on behalf of Customer is allowed.
  - Not Allowed – Loaning of parts on behalf of Customer is not allowed.
- 'Default value for 'Loan for'?' is added with the following options:
  - Self – 'Loan for' field will be defaulted with 'Self'.
  - Customer – 'Loan for' field will be defaulted with 'Customer'.
- 'Allow modification of taxable amount' is added with the following options:
  - Allowed – Modification of taxable amount is allowed.
  - Not Allowed – Modification of taxable amount is not allowed.
- 'Tax Inheritance' is added with the following options:
  - Allowed – Tax Inheritance based on the Purchase Tax Rules is allowed.
  - Not Allowed – Tax Inheritance based on the Purchase Tax Rules is not allowed.

Exhibit 1: Identifies the new option settings in **Purchase Option Settings** screen in **Logistics Common Master** business component



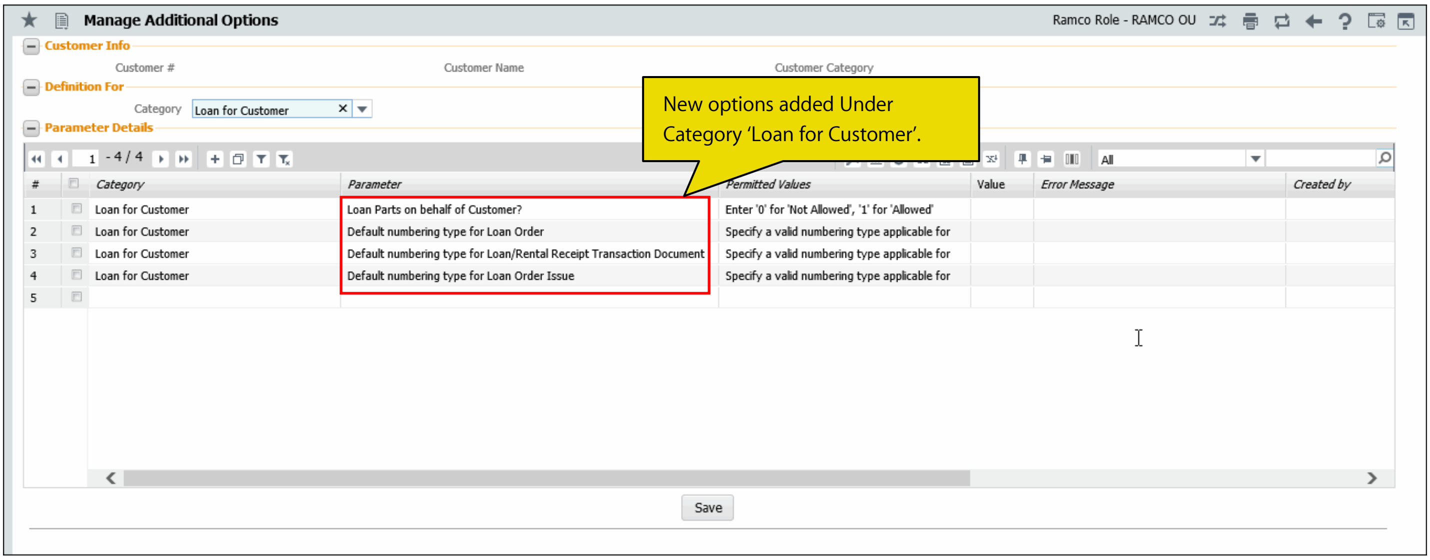
Customer

New set options are added in **Customer** business component, indicating whether the MRO is allowed to loan the Parts/Components on behalf of a specific customer. This is applicable only for a customer whose nature is 'Group Company'. The following set options have been added under the Category 'Loan for Customer' in the **Manage Additional Options** screen of the **Create Customer Record** activity in **Customer** business component.

- 'Loan Parts on behalf of Customer?' provides the following options:
    - Allowed – Loaning of Parts on behalf of the given Customer is allowed.
    - Not Allowed – Loaning of Parts on behalf of the given Customer is not allowed.
- 'Default numbering type for Loan Order'
    - Specify a valid numbering type applicable for Loan Order transaction.
- 'Default numbering type for Loan/Rental Receipt Transaction Document'
    - Specify a valid numbering type applicable for Loan/Rental Receipt transaction.
- 'Default numbering type for Loan Order Issue'
    - Specify a valid numbering type applicable for Loan Order Issue transaction.

Note: The specific customer set options can be set only if the Organization level set option for Loan & Rental on behalf of customer is set as 'Allowed' in the ***Purchase Options Settings*** *activity of the* ***Logistics Common Master*** *Component.*

Exhibit 2: Identifies the new option settings in **Manage Additional Options** screen of the **Create Customer Record** activity



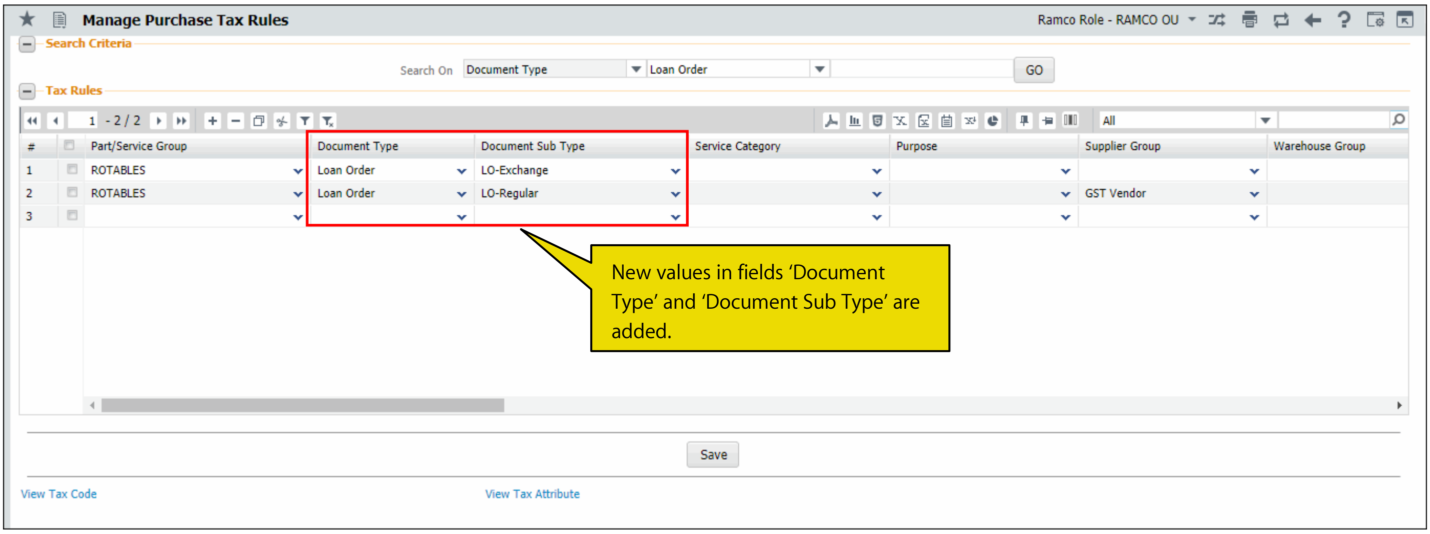
Tax Charges and Discounts

The following values are added in **Manage Purchase Tax rules** activity of the **Tax Charges and Discounts** business component.

a. The value 'Loan Order' is added with the existing values of the drop-down field 'Document Type'.

b. The values 'LO-Regular' are 'LO-Exchange' are added with the existing values of the drop-down field 'Document Sub-Type'.

Exhibit 3: Identifies the changes in **Manage Purchase Tax Rules** activity

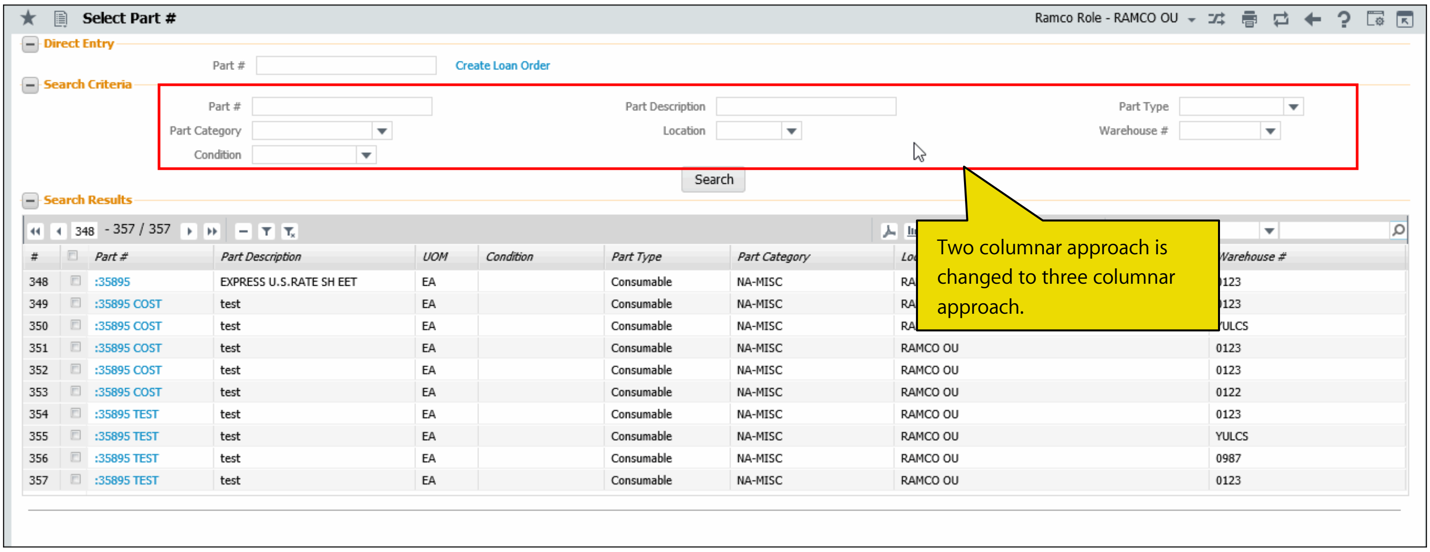


Loan Order

In the **Select Part #** screen in **Create Loan Order** activity under the **Loan Order** component, following change Has been made:

- Two columnar approach has been changed to three columnar approach.

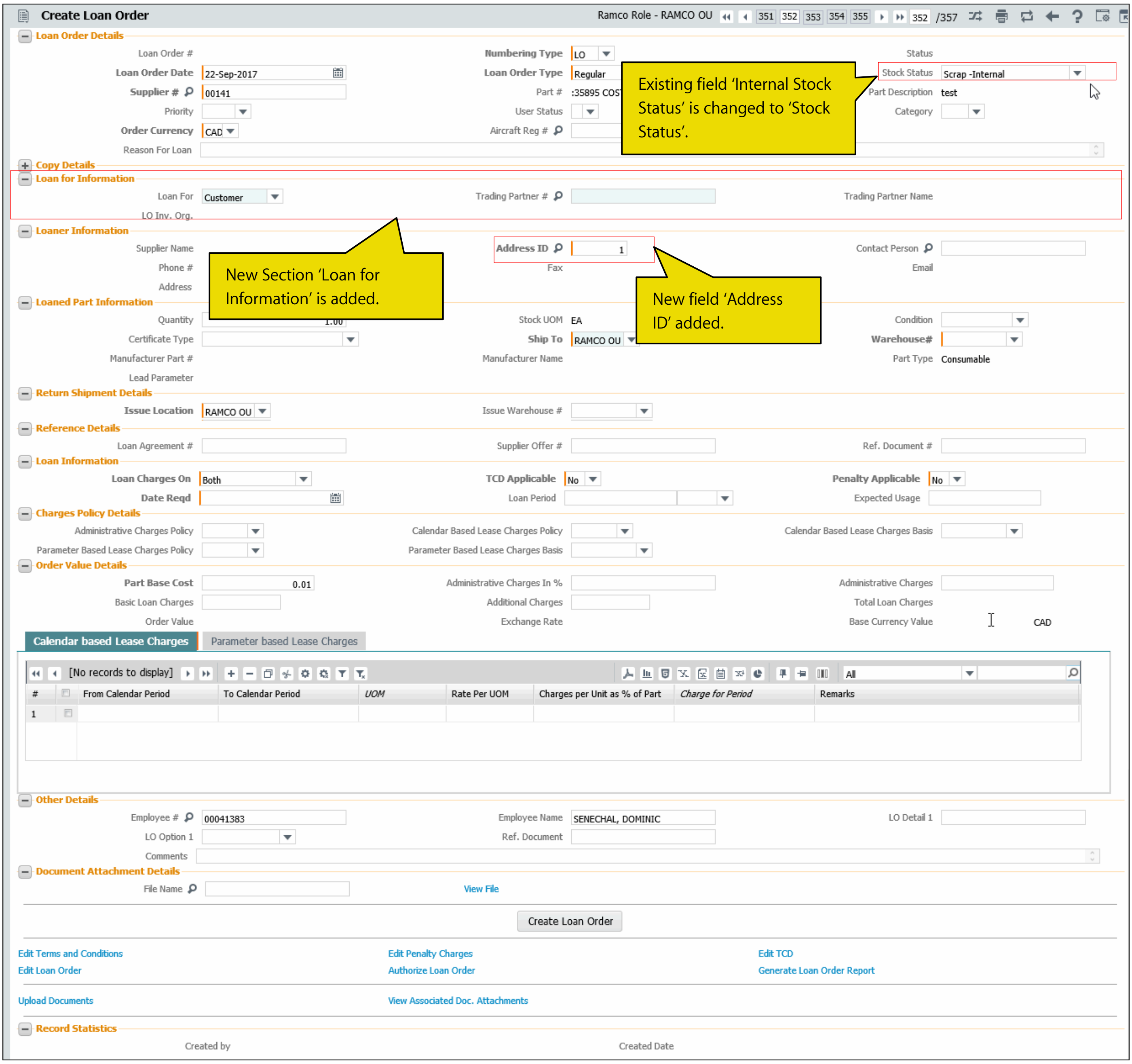
Exhibit 4: Identifies the changes in **Select Part #** screen of the **Create Loan Order** activity



In the **Create Loan Order** screen under the **Loan Order** component, following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Loan for Information' is added in the header. Under this section, the following controls are available:
    - o A new drop-down 'Loan for' is added and this will be loaded with the values 'Customer' and 'Self', if the option 'Loan Order on behalf of Customer' is set as 'Allowed' in the **Purchase Options Settings** activity. If this option is set as 'Not Allowed', the value 'Customer' will not be loaded.
    - o New editable control 'Trading Partner #' is added to provide the customer for whom the loaning of parts needs to be initiated.
    - o Display only controls 'Trading Partner Name' and 'LO Inv. Org.' are added.
- In the 'Loan Order Details' section, caption of the 'Internal Stock Status' field is changed to 'Stock Status' which specifies the stock status to which the loaned part is to be converted.
- In the 'Loaner Information' section, a new editable field 'Address ID' with help enabled is added to specify the Address ID of the contact person from the supplier who is providing the part on loan.

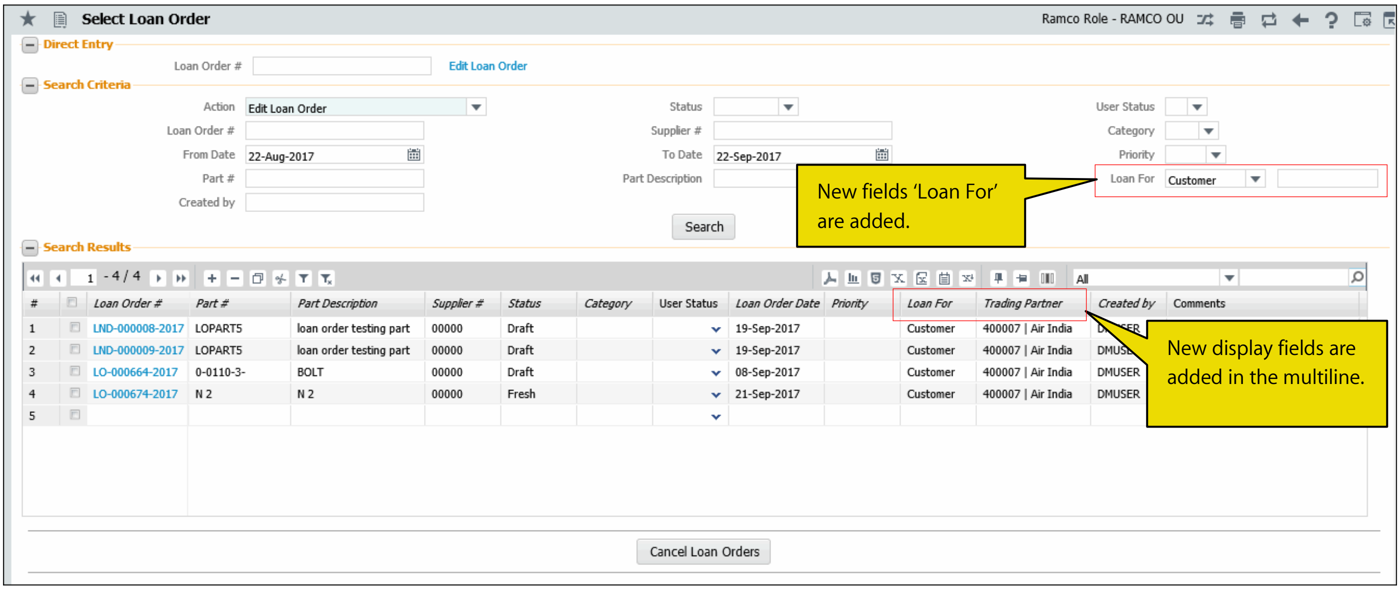
Exhibit 5: Identifies the new section 'Loan for Information' addition in **Create Loan Order** activity



In the **Select Loan Order** screen in **Edit Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new drop-down and editable field 'Loan for' is added to facilitate searching the loan orders based on the value selected.
- Two new display only fields 'Loan for' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Loan Order details on behalf of Customer.

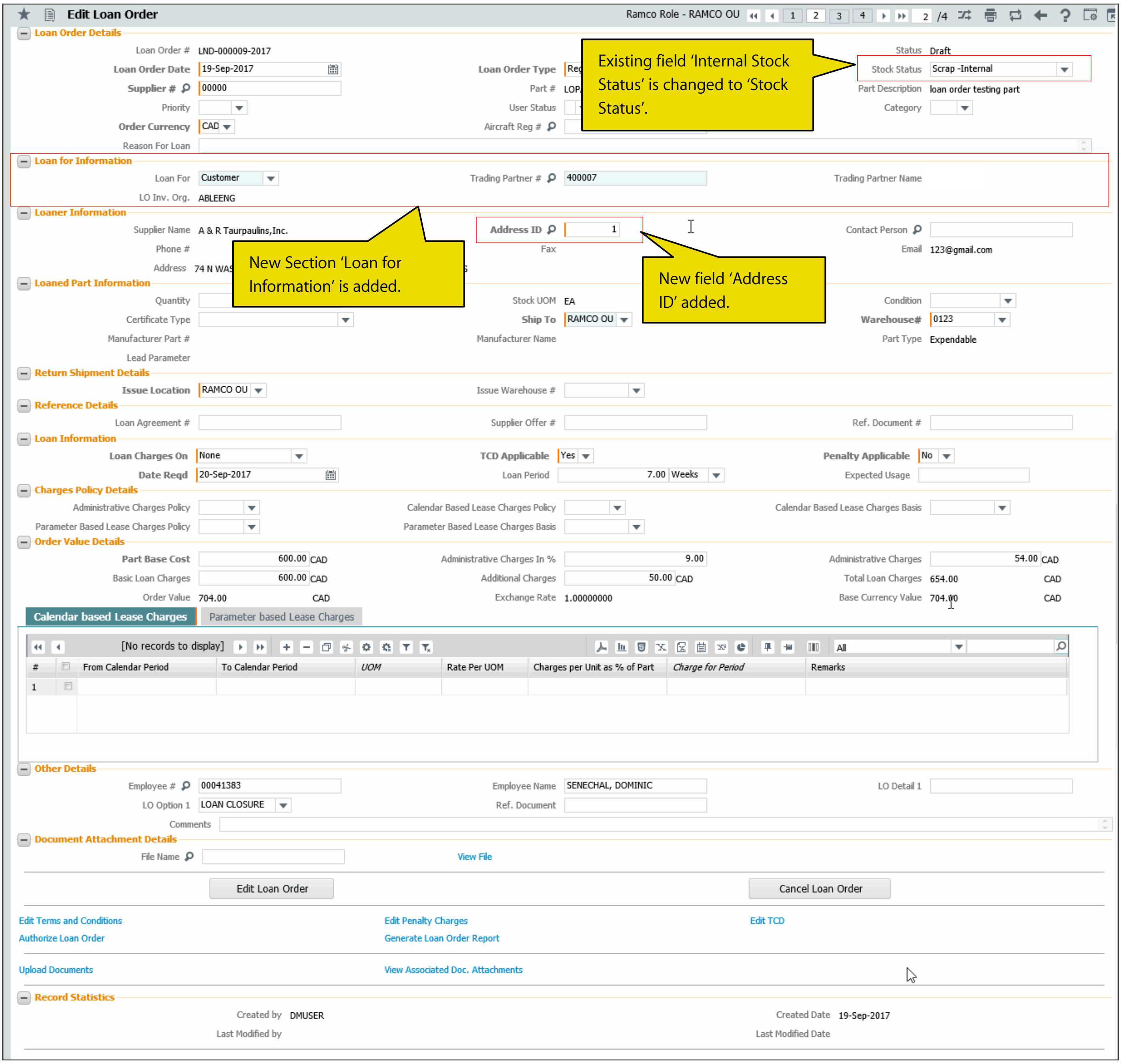
Exhibit 6: Identifies the changes in **Select Loan Order** screen of the **Edit Loan Order** activity



In the **Edit Loan Order** screen of the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Loan for Information' is added in the header. Under this section, the following controls are available:
  - A new drop-down 'Loan for' is added and this will be loaded with the values 'Customer' and 'Self', if the option 'Loan Order on behalf of Customer' is set as 'Allowed' in the **Purchase Options Settings** activity. If this option is set as 'Not Allowed', the value 'Customer' will not be loaded.
  - New editable control 'Trading Partner #' is added to provide the customer for whom the loaning of parts needs to be initiated.
  - Display only controls 'Trading Partner Name' and 'LO Inv. Org.' are added.
- In the 'Loan Order Details' section caption of the 'Internal Stock Status' field is changed to 'Stock Status' which specifies the stock status to which the loaned part is to be converted.
- In the 'Loaner Information' section, a new editable field 'Address ID' editable field with help enabled is added to specify the Address ID of the contact person.

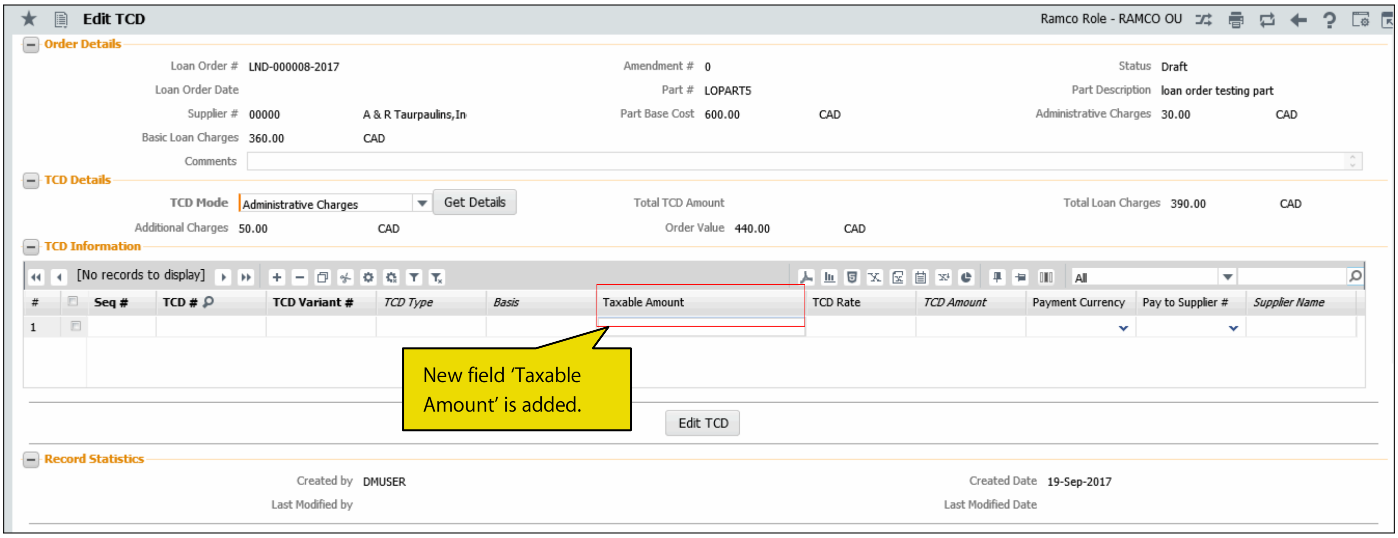
Exhibit 7: Identifies the changes in **Edit Loan Order** screen



In the **Edit TCD** screen in **Edit Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new editable field 'Taxable Amount' is added to specify the taxable amount on which the TCD amount will be calculated.

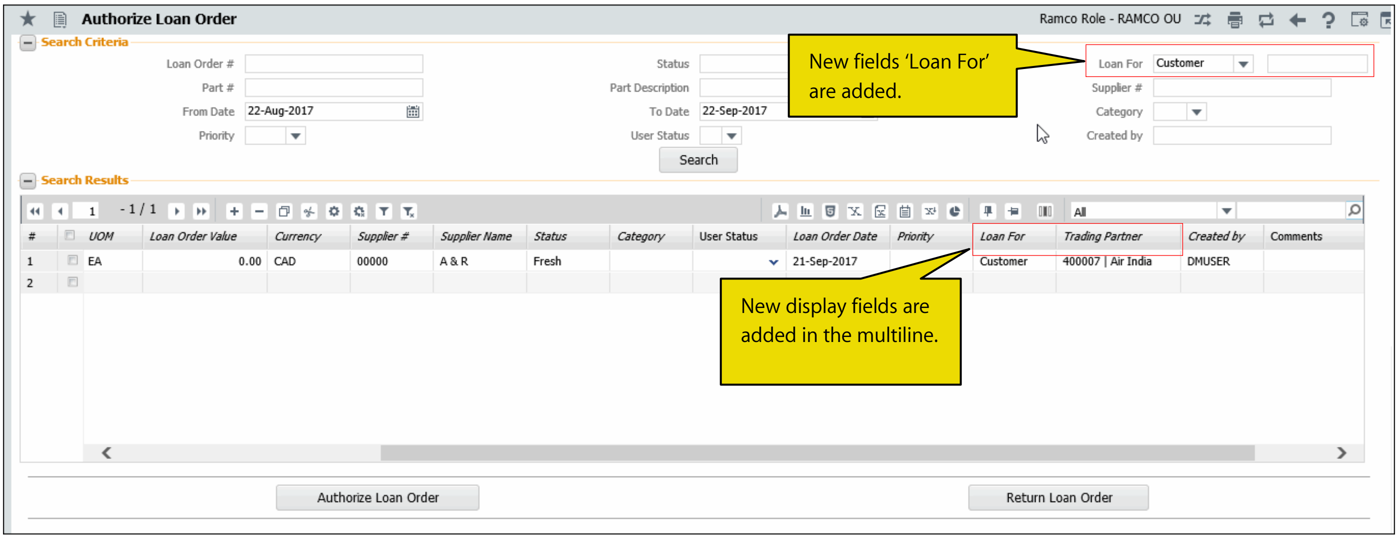
Exhibit 8: Identifies the changes in **Edit TCD** screen of the **Edit Loan Order** activity



In the **Authorize Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new drop-down and editable field 'Loan for' is added to facilitate searching the loan orders based on the value selected.
- Two new display only fields 'Loan for' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Loan Order details on behalf of Customer.

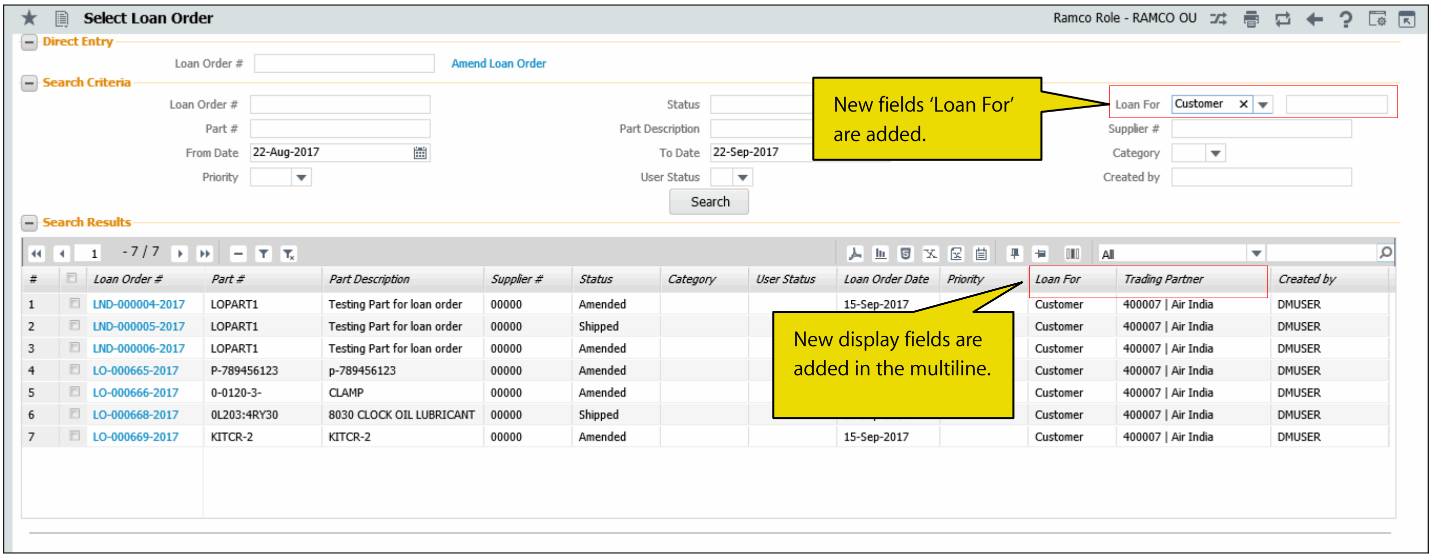
Exhibit 9: Identifies the changes in **Authorize Loan Order** activity



In the **Select Loan Order** screen in **Amend Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new drop-down and editable field 'Loan for' is added to facilitate searching the loan orders based on the value selected.
- Two new display only fields 'Loan for' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Loan Order details on behalf of Customer.

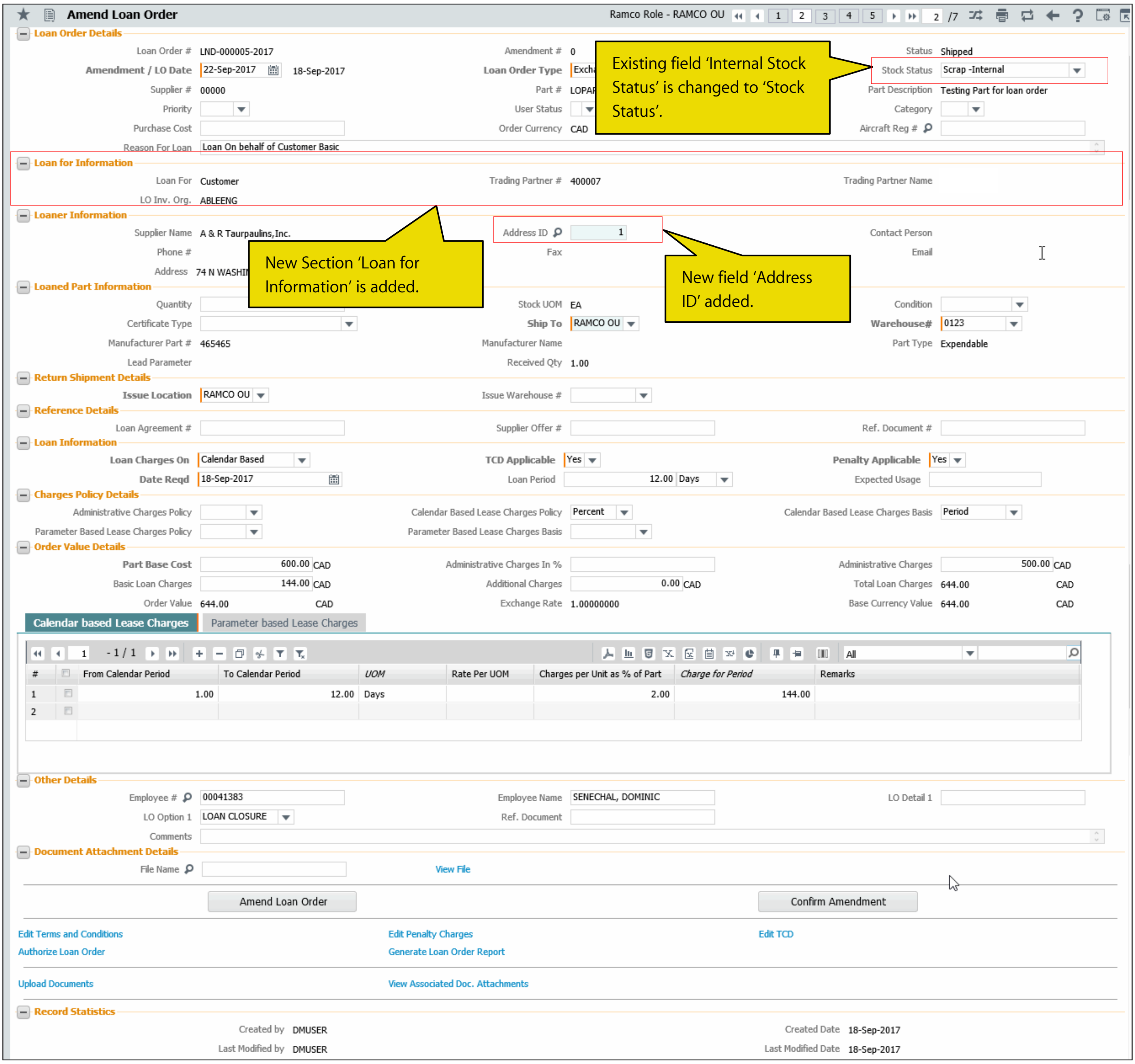
Exhibit 10: Identifies the changes in **Select Loan Order** screen of the **Amend Loan Order** activity



In the **Amend Loan Order** screen of the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Loan for Information' is added in the header. Under this section, the following controls are available:
  - o Display only controls Loan for, Trading Partner #, 'Trading Partner Name' and 'LO Inv. Org.' are added.
- In the 'Loan Order Details' section caption of the 'Internal Stock Status' field is changed to 'Stock Status' which specifies the stock status to which the loaned part is to be converted.
- In the 'Loaner Information' section, a new editable field 'Address ID' editable field with help enabled is added to specify the Address ID of the contact person.

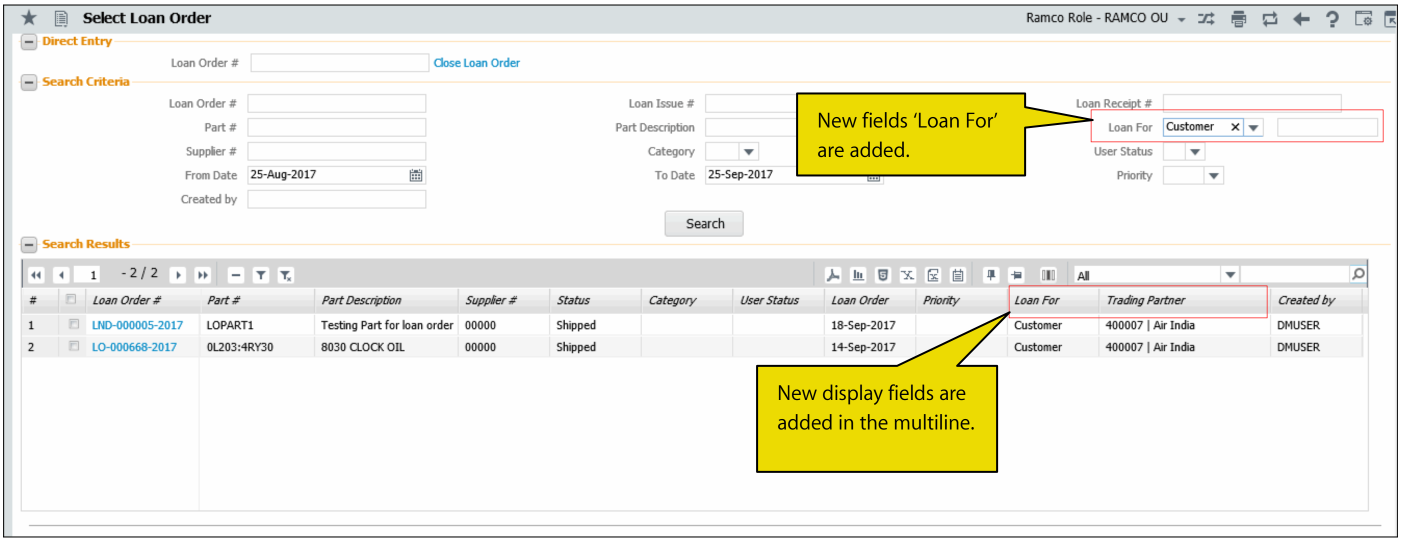
Exhibit 11: Identifies the changes in the **Amend Loan Order** screen



In the **Select Loan Order** screen in **Close Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new drop-down and editable field 'Loan for' is added to facilitate searching the loan orders based on the value selected.
- Two new display only fields 'Loan for' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Loan Order details on behalf of Customer.

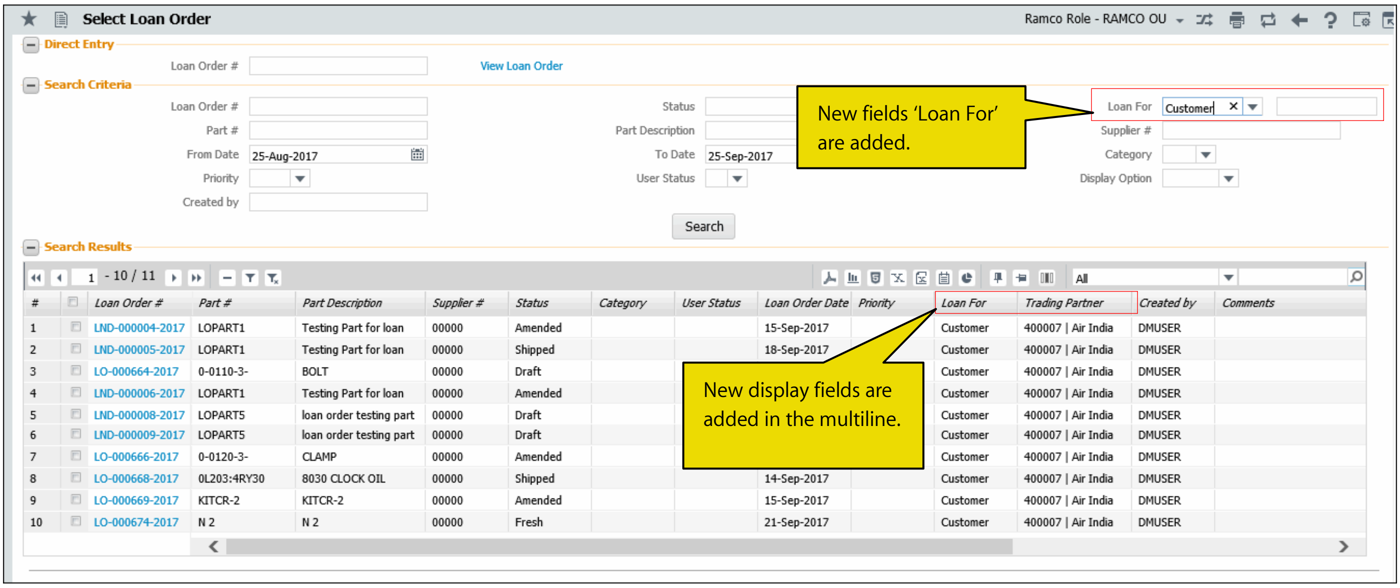
Exhibit 12: Identifies the changes in **Select Loan Order** screen of the **Close Loan Order** activity



In the **Select Loan Order** screen in **View Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new drop-down and editable field 'Loan for' is added to facilitate searching the loan orders based on the value selected.
- Two new display only fields 'Loan for' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Loan Order details on behalf of Customer.

Exhibit 13: Identifies the changes in **Select Loan Order** screen of the **View Loan Order** activity



In the **View Loan Order** screen of the **Loan Order** component following changes are made:

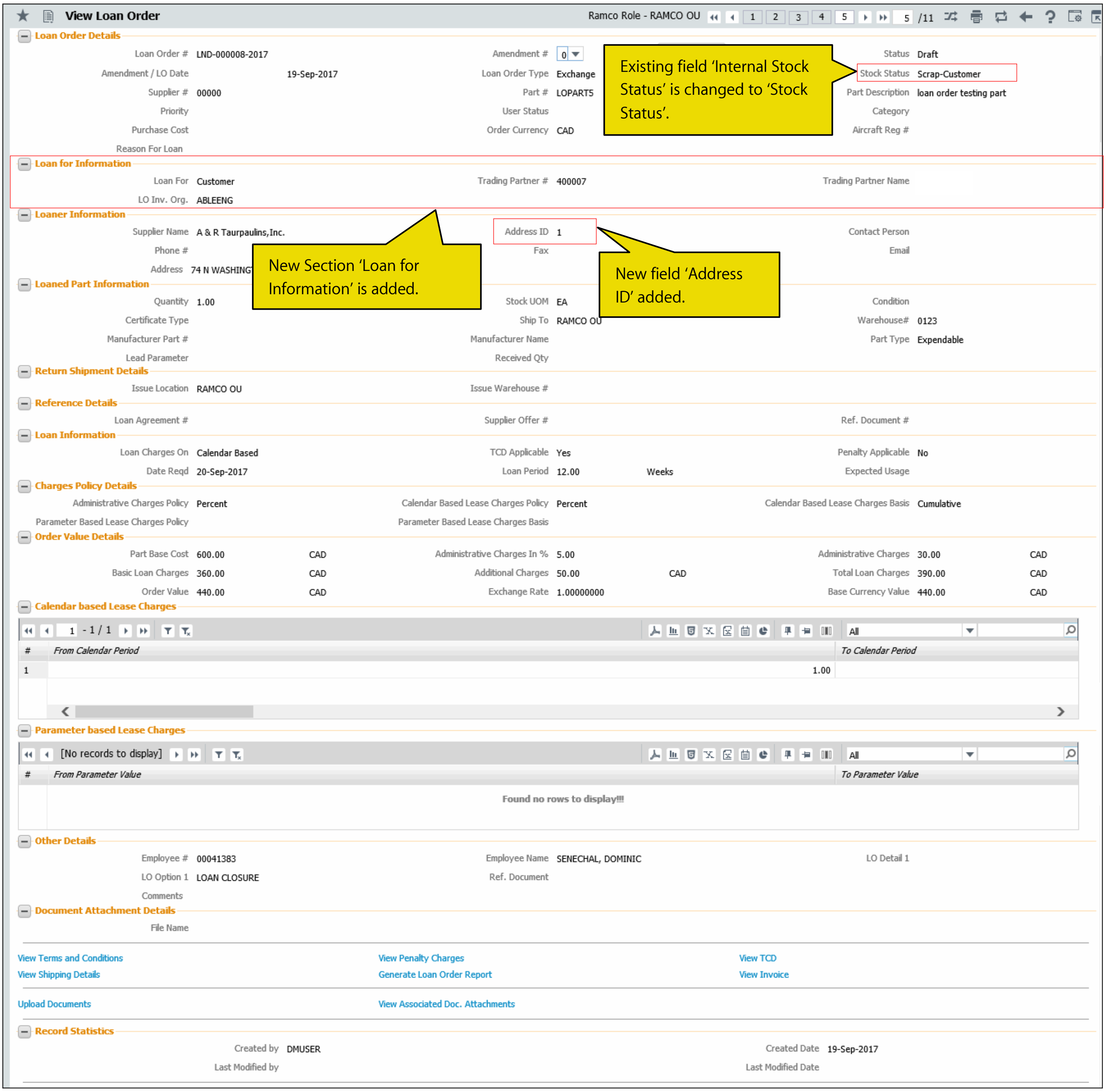
- Two columnar approach has been changed to three columnar approach.
- A new section 'Loan for Information' is added in the header. Under this section, the following controls are

available:

  - Display only controls ‘Loan for’, ‘Loan for Trading Partner #’, ‘Trading Partner Name’ and ‘LO Inv. Org.’ are added.

- In the 'Loan Order Details' section caption of the ‘Internal Stock Status’ field is changed to ‘Stock Status’ which specifies the stock status to which the loaned part is to be converted.
- In the 'Loaner Information' section, a new display field ‘Address ID’ is added which specifies the Address ID of the contact person.

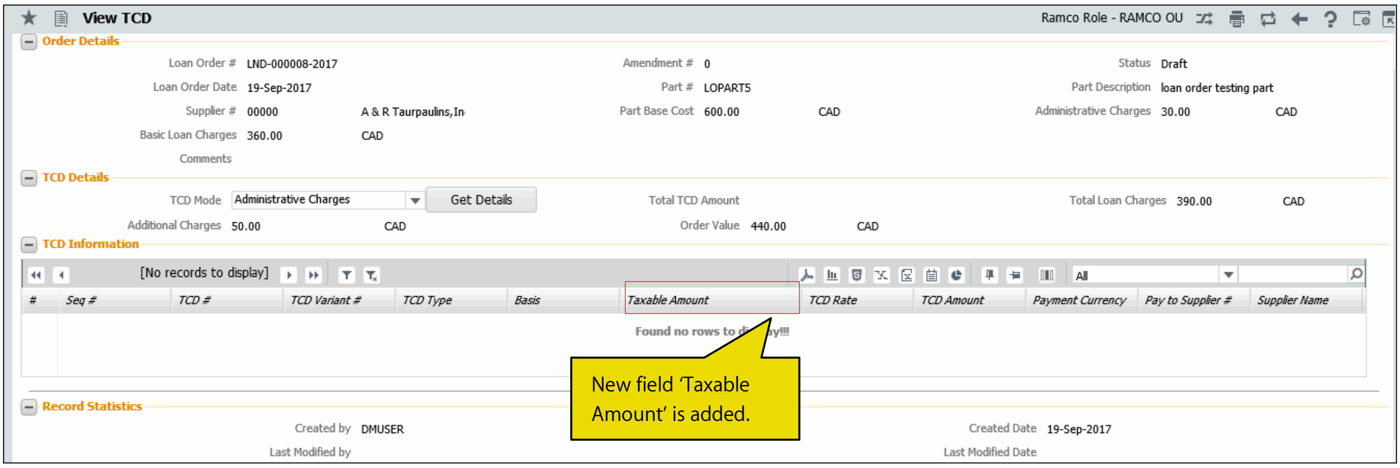
Exhibit 14: Identifies the changes in the **View Loan Order** screen



In the **View TCD** screen in **View Loan Order** activity under the **Loan Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new display field 'Taxable Amount' is added in the 'TCD Information' multiline which specifies the taxable amount on which the TCD amount is calculated.

Exhibit 15: Identifies the changes in **View TCD** screen of the **View Loan Order** activity



Accounting Impact

Background

Currently, Loan Order only supports Loaning of part(s) for self-organization. This enhancement allows organizations to loan part(s) on behalf of Customer which is a group Company and use the same for the respective group company's maintenance activities. Though all the transactions are carried out by Source Company, account postings for the same are recorded in Destination Company and invoicing also happens in the destination company.

Change Details

Group Company (related Company) need to be set up in Ramco Application by virtue of which relationship shall be established amongst them to carry out transactions on behalf of another. To carry out business, Transacting Company need to identify its Destination Company. After Identification, it need to set up the **Customer Master** with **Nature of Customer** as 'Group Company' and specify the unique **Company Code** i.e., Destination Company Code.

For Instance: - Transacting Company 'ABC Ltd.' need to loan part(s) on behalf of its Group Company say 'XYZ Ltd.', then in the books of 'ABC Ltd.', Customer Master shall be set up in the name of 'XYZ Ltd.' and it is identified as Group Company/Trading Partner.

Loan Order Accounting

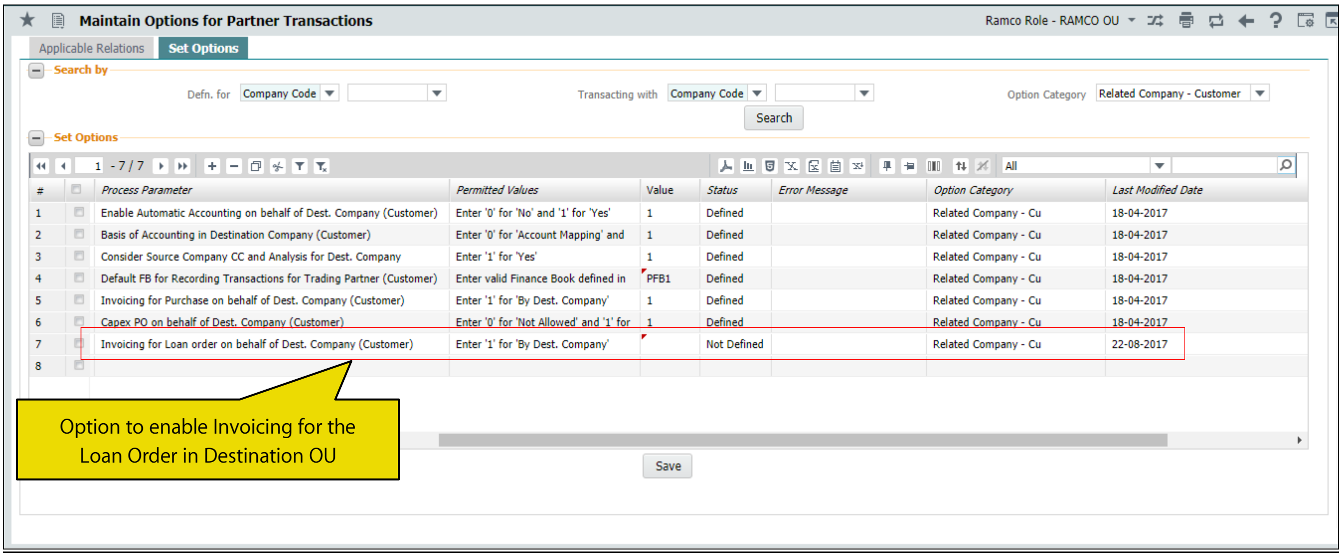
Account postings for Loan Order has been enhanced to post the accounting entries in the destination/ group company during loan order closure or amendment for Loan Orders created on behalf of Group Company Customers.

Supplier Order Based Invoice

New Set option (See Exhibit: 15) is introduced to Invoice the Loan Order in Destination Company/OU though Loan Order document is created in Source Company/OU. The set option is read as "Invoicing for Loan order on behalf of Dest. Company (Customer)" in Business Process Component **Finance Setup** under Component **Organization Setup** under

Activity **Maintain Organization Parameters**. Here, Login OU Company (Source Company) shall establish the relationship amongst the Group Companies.

Exhibit 16: Displays the set option in **Maintain Organization Parameters** Activity for invoicing Loan Order on behalf of customer



Supplier Prepayment Voucher

Prepayment Voucher for advances can be created in the respective Destination Company only. **Prepayment Voucher** is enhanced to refer the Loan Order created in Source Company to process the details of Terms and Conditions of the respective reference document for which prepayment voucher need to be created. Advance information in Loan Order – Terms and Conditions will be considered for recording Prepayment. Help on **Ref. Document #** in Prepayment Voucher is enhanced to refer Loan Order created on behalf of Destination Company from Source Company.

WHAT'S NEW IN RENTAL ORDER?

Ability to Rent out parts on behalf of Customer

Reference: AHBG-16024

Background

Currently, Parts of internal ownership can be rented out to customers of an organization. However, the parts that are owned by group company, which will be Customer owned cannot be rented out, though it is a group company's stock. An ability to rent out these parts to customer is required.

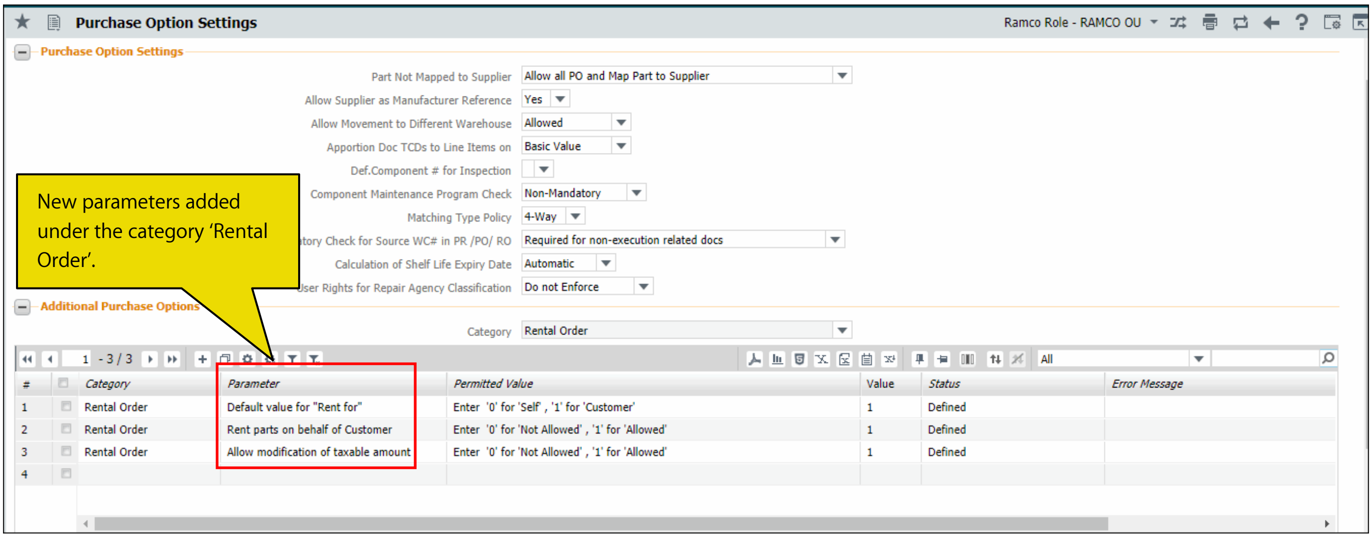
Change Details

Logistics Common Master

New set options are added under the Category 'Rental Order' in the **Purchase Option Settings** screen of the **Logistics Common Master** business component to facilitate renting out parts on behalf of customer.

- 'Rent Parts on behalf of Customer?' is added with the following options:
  - Allowed – Renting out parts on behalf of Customer is allowed.
  - Not Allowed – Renting out parts on behalf of Customer is not allowed.
- 'Default value for 'Rent for'?' is added with the following options:
  - Self – 'Rent for' field will be defaulted with 'Self'
  - Customer – 'Rent for' field will be defaulted with 'Customer'.
- 'Allow modification of taxable amount' is added with the following options:
  - Allowed – Taxable amount can be different from the value corresponding to the TCD Mode selected
  - Not Allowed – Taxable amount cannot be different from

Exhibit 1: Identifies the new option settings in **Purchase Option Settings** screen in **Logistics Common Master** business component



Customer

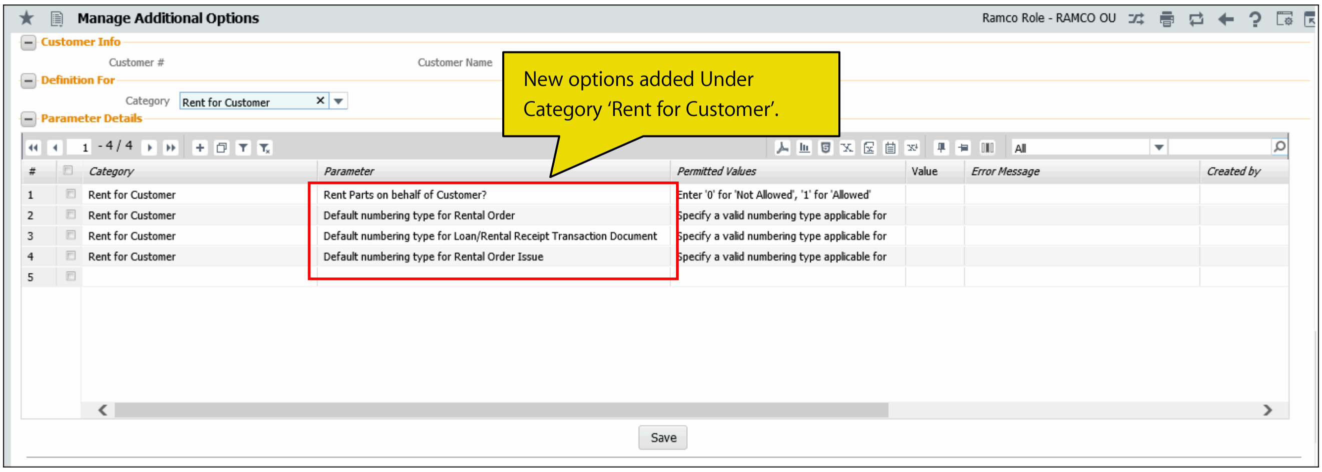
New set options are added in **Customer** business component, indicating whether the MRO can provide parts / components for rentals on behalf of a specific customer. This is applicable only for a customer whose nature is

'Group Company'. The following set options have been added under the Category 'Rent for Customer' in the **Manage Additional Options** screen of the **Create Customer Record** activity in **Customer** business component.

- 'Rent Parts on behalf of Customer?' provides the following options:
  - Allowed – Renting out parts belonging to the given customer is allowed.
  - Not Allowed – Renting out parts belonging to the given Customer is not allowed.
- 'Default numbering type for Rental Order'
  - Specify a valid numbering type applicable for Rental Order transaction.
- 'Default numbering type for Loan/Rental Receipt Transaction Document'
  - Specify a valid numbering type applicable for Loan/Rental Receipt.
- 'Default numbering type for Rental Order Issue'
  - Specify a valid numbering type applicable for Rental Order Issue transaction.

Note: The specific customer set options can be set only if the Organization level set option for Loan & Rental on behalf of customer is set as 'Allowed' in the ***Purchase Options Settings*** *activity of the* ***Logistics Common Master*** *Component.*

Exhibit 2: Identifies the new option settings in **Manage Additional Options** screen of the **Create Customer Record** activity

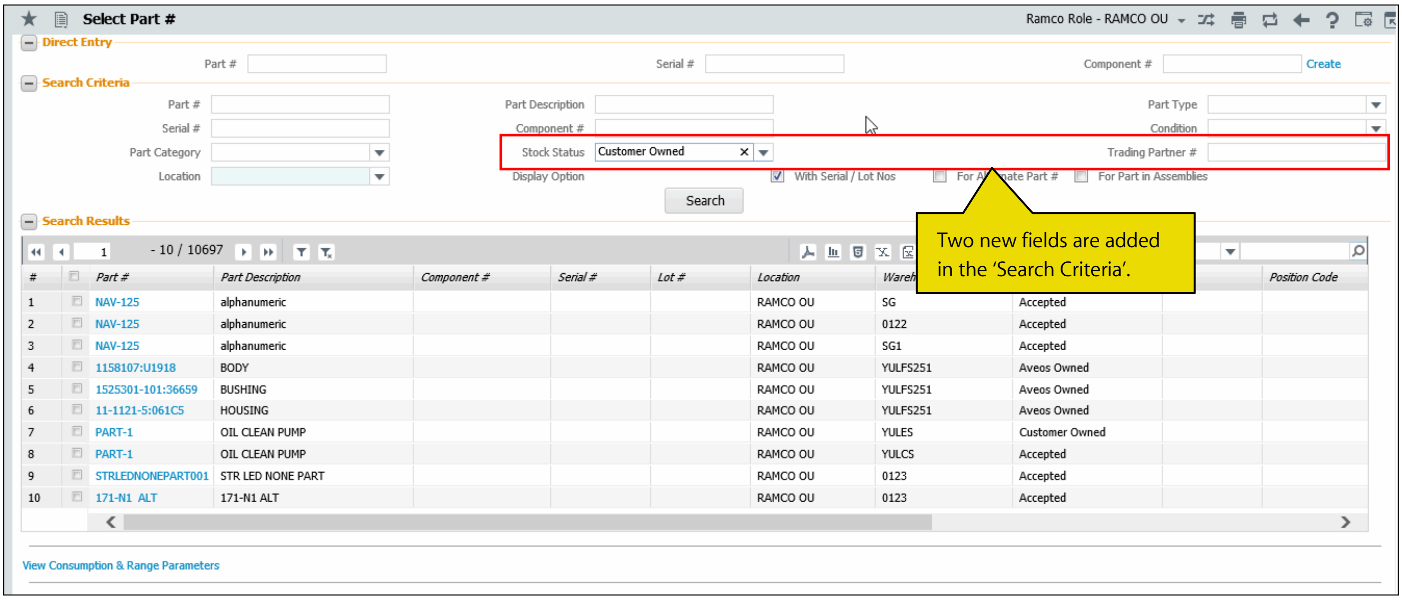


Rental Order

In the **Select Part #** screen in **Create Rental Order** activity under the **Rental Order** component, following changes are made:

- Two columnar approach has been changed to three columnar approach.
- Two new fields are added in the 'Search Criteria' section.
  - A new drop-down 'Stock Status' is added and this will be loaded based on the option setting 'Rent Parts on behalf of Customer'. If this option setting is set as 'Allowed', then the stock statuses with 'Ownership-Customer' set as 'Yes' will be loaded in addition to the internal stock statuses.
  - A new editable field 'Trading Partner #' is added to specify the customer who owns the parts that are to be rented out.

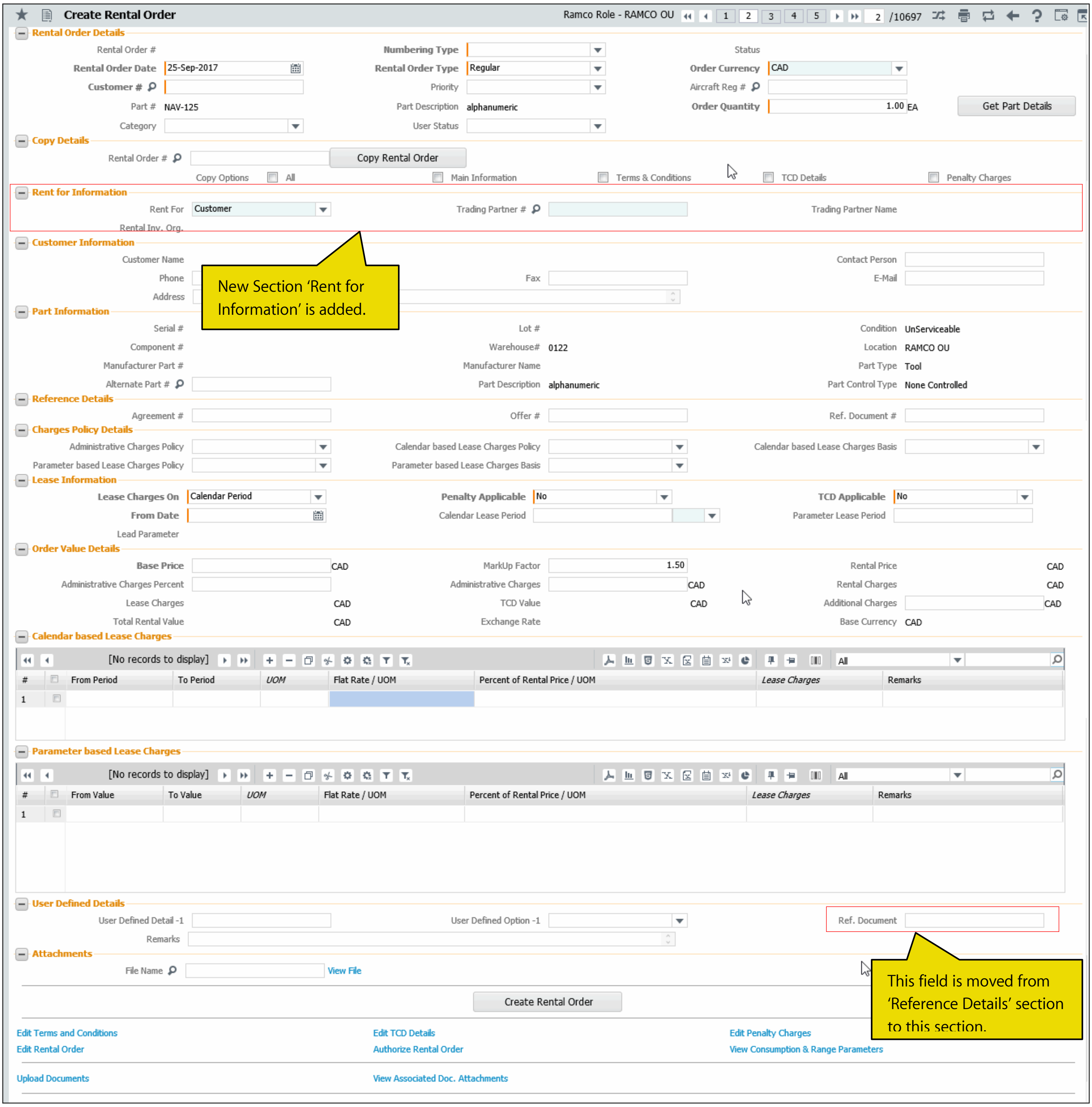
Exhibit 3: Identifies the changes in **Select Part #** screen of the **Create Rental Order** activity



In the **Create Rental Order** screen under the **Rental Order** component, following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Rent for Information' is added in the header. Under this section, the following controls are available:
  - A new drop-down 'Rent For' is added and this will be loaded with the values 'Customer', 'Self' and 'Blank' based on applicability of rental order on behalf of customer.
  - New editable control 'Trading Partner #' is added to provide the customer who owns the renting out parts.
  - Display only controls 'Trading Partner Name' and 'Rental Inv. Org.' are added.
- In the 'Reference Details' section, 'Ref. Document' field is moved to the 'User Defined Details' section.

Exhibit 4: Identifies the changes in the **Create Rental Order** activity



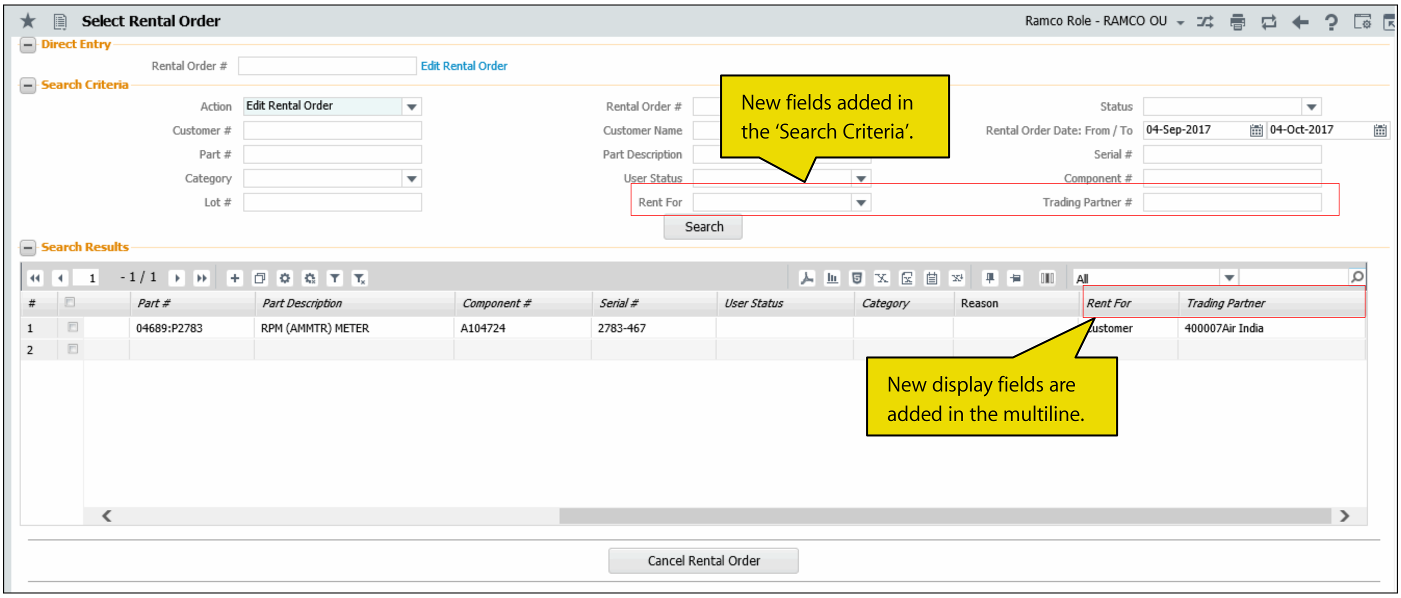
In the **Select Rental Order** screen in **Edit Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- Two new fields are added in the 'Search Criteria' section:
  - o A new drop-down 'Rent For' is added and this will be loaded with the values 'Customer', 'Self' and 'Blank'.
  - o New editable field 'Trading Partner #' is added to specify the customer who owns the renting out

parts.

- Two new display only fields ‘Rent For’ and ‘Trading Partner’ are added in the ‘Search Results’ multiline to facilitate the display of Rental order details on behalf of Customer.

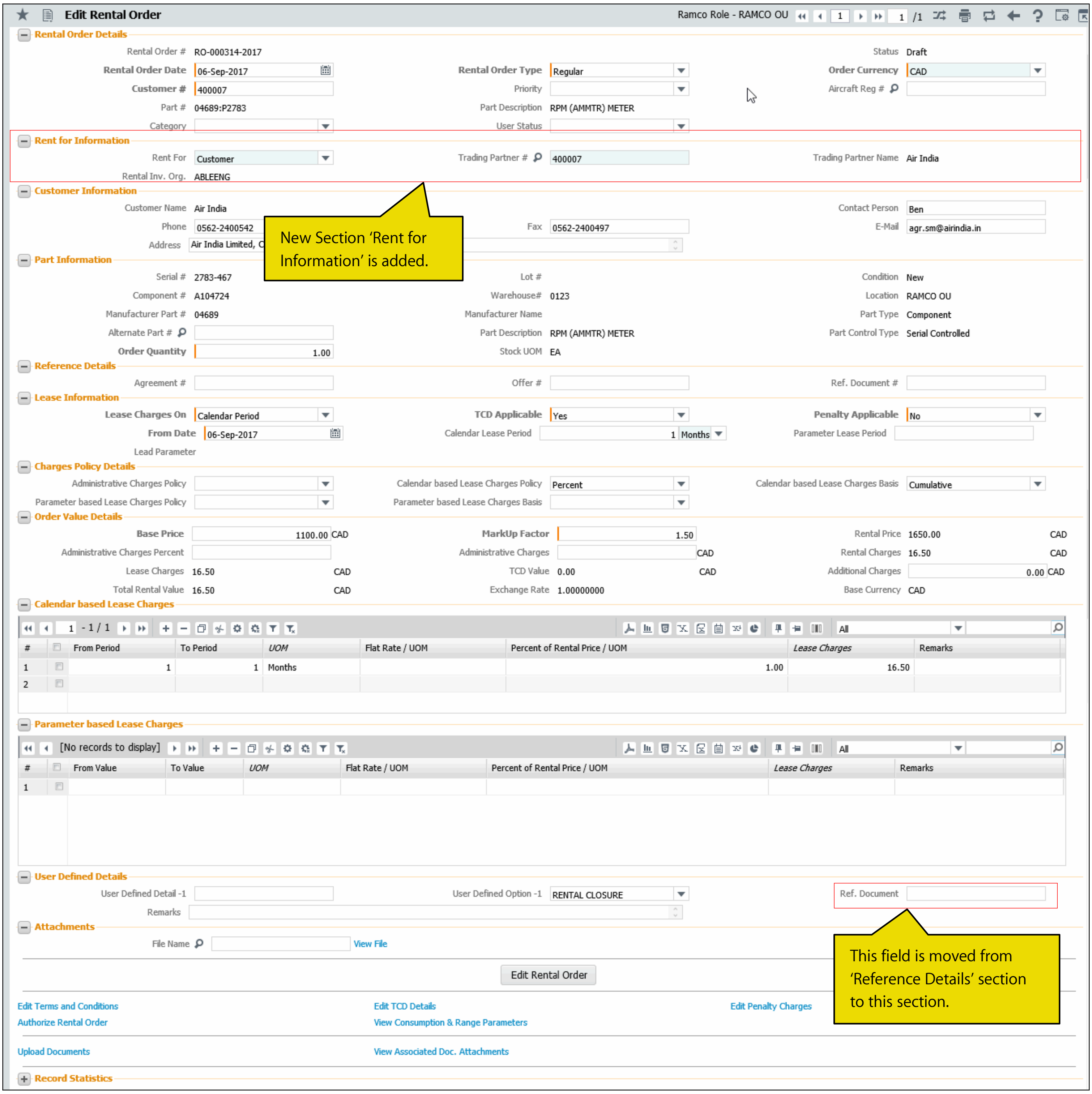
Exhibit 5: Identifies the changes in **Select Rental Order** screen of the **Edit Rental Order** activity



In the **Edit Rental Order** screen of the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Rent for Information' is added in the header. Under this section, the following controls are available:
    - A new drop-down ‘Rent For’ is added and this will be loaded with the values ‘Customer’, ‘Self’ and ‘Blank’.
    - New editable control ‘Trading Partner #’ is added to specify the customer who owns the renting out parts.
    - Display only controls ‘Trading Partner Name’ and ‘Rental Inv. Org.’ are added.
- In the 'Reference Details' section, ‘Ref. Document’ field is moved to the ‘User Defined Details’ section.

Exhibit 6: Identifies the changes in **Edit Rental Order** screen

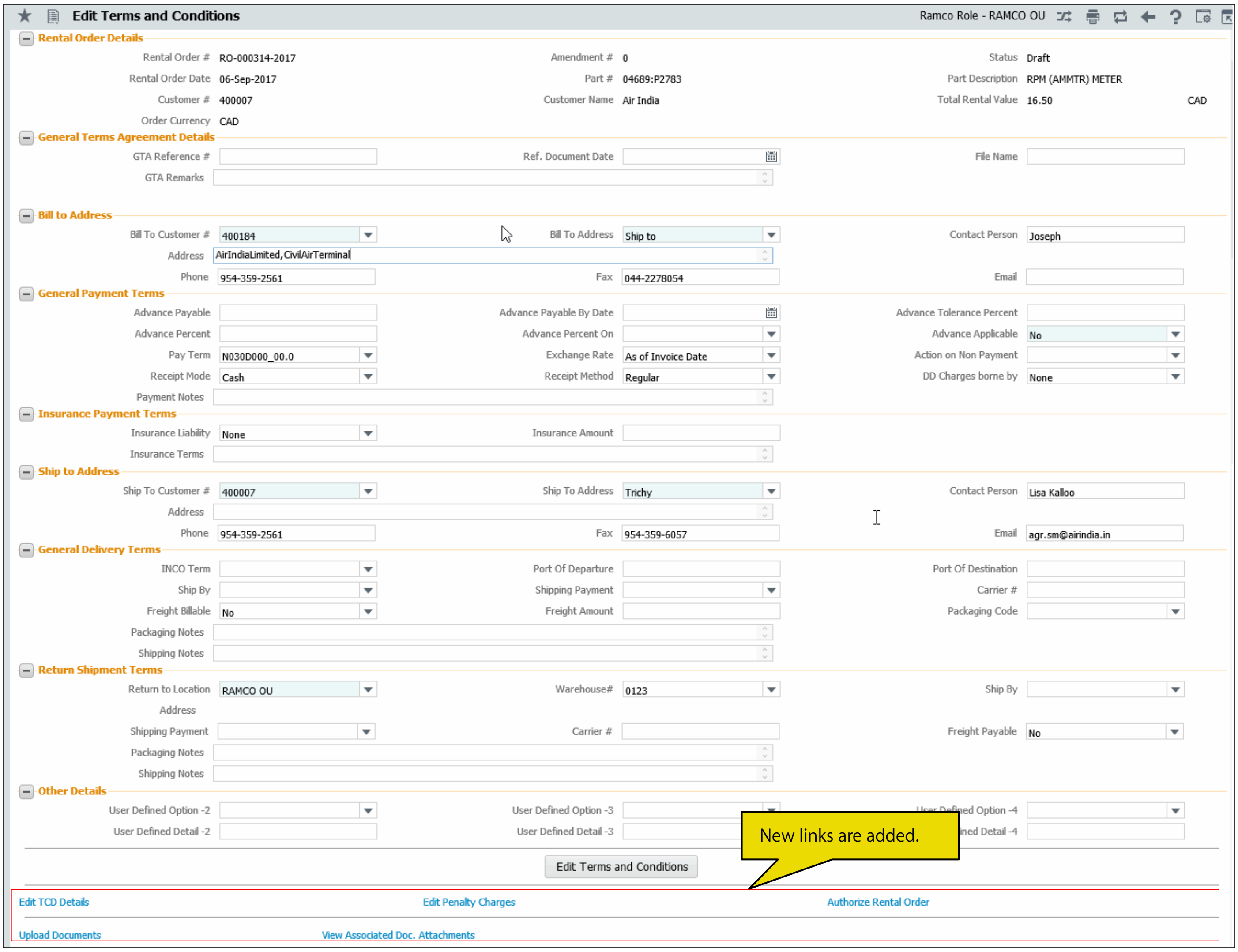


In the **Edit Terms and Conditions** screen in **Edit Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- New links are added at the bottom of the screen.
  - Edit TCD Details
  - Edit Penalty Charges
  - Authorize Rental Order
  - Upload Documents

- o View Associated Doc Attachments

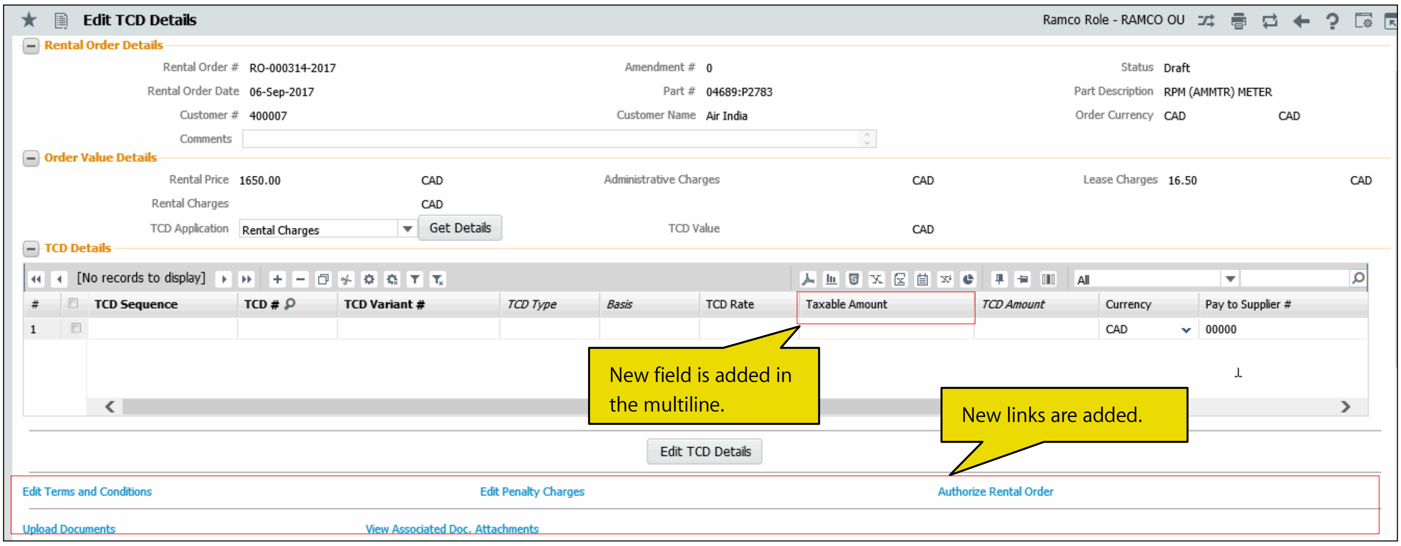
Exhibit 7: Identifies the changes in **Edit Terms and Conditions** screen of the **Edit Rental Order** activity



In the **Edit TCD Details** screen in **Edit Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new editable field 'Taxable Amount' to specify the taxable amount on which the TCD amount will be calculated is added in the 'TCD Details' multiline.
- New links are added at the bottom of the screen.
    - o Edit Terms and Conditions
    - o Edit Penalty Charges
    - o Authorize Rental Order
    - o Upload Documents
    - o View Associated Doc Attachments

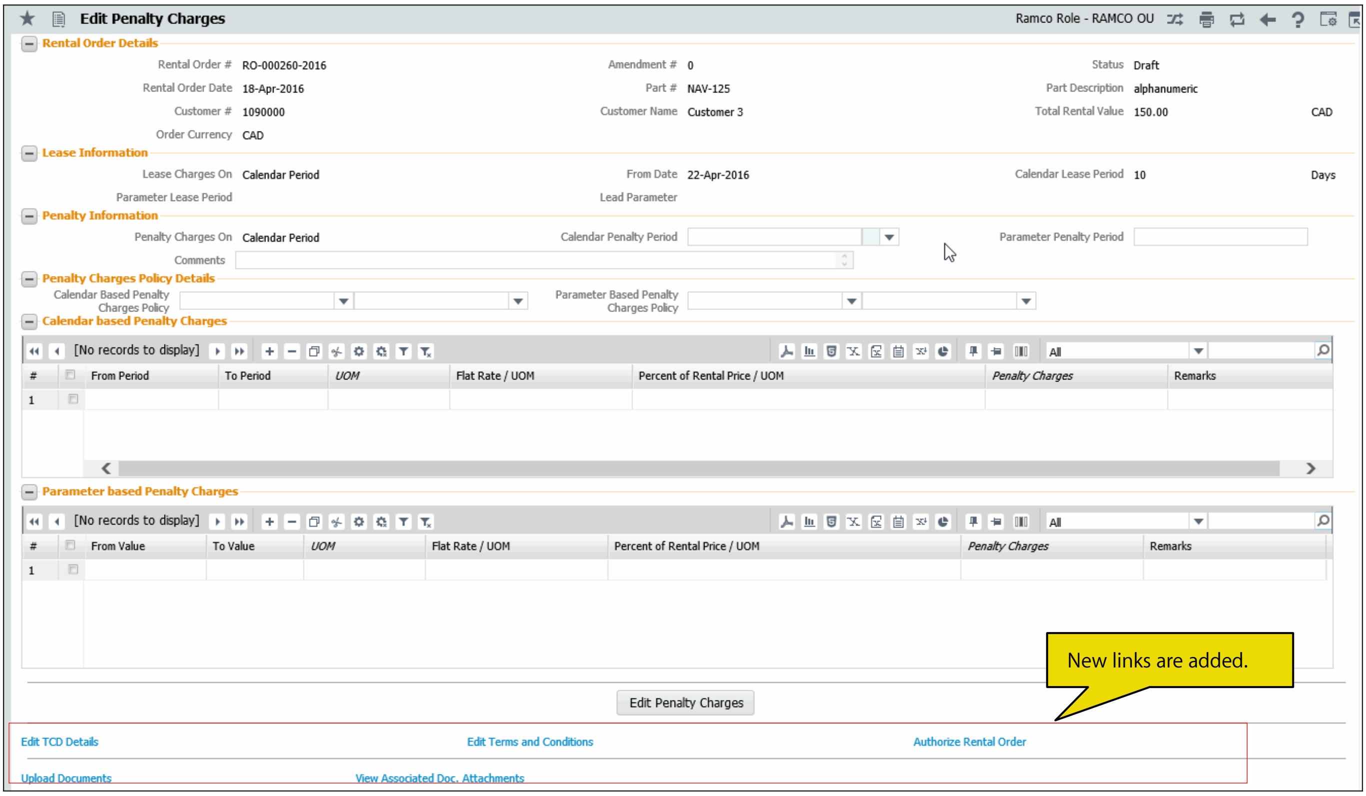
Exhibit 8: Identifies the changes in **Edit TCD** screen of the **Edit Rental Order** activity



In the **Edit Penalty Charges** screen in **Edit Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- New links are added at the bottom of the screen.
  - Edit Terms and Conditions
  - Edit TCD Details
  - Authorize Rental Order
  - Upload Documents
  - View Associated Doc Attachments

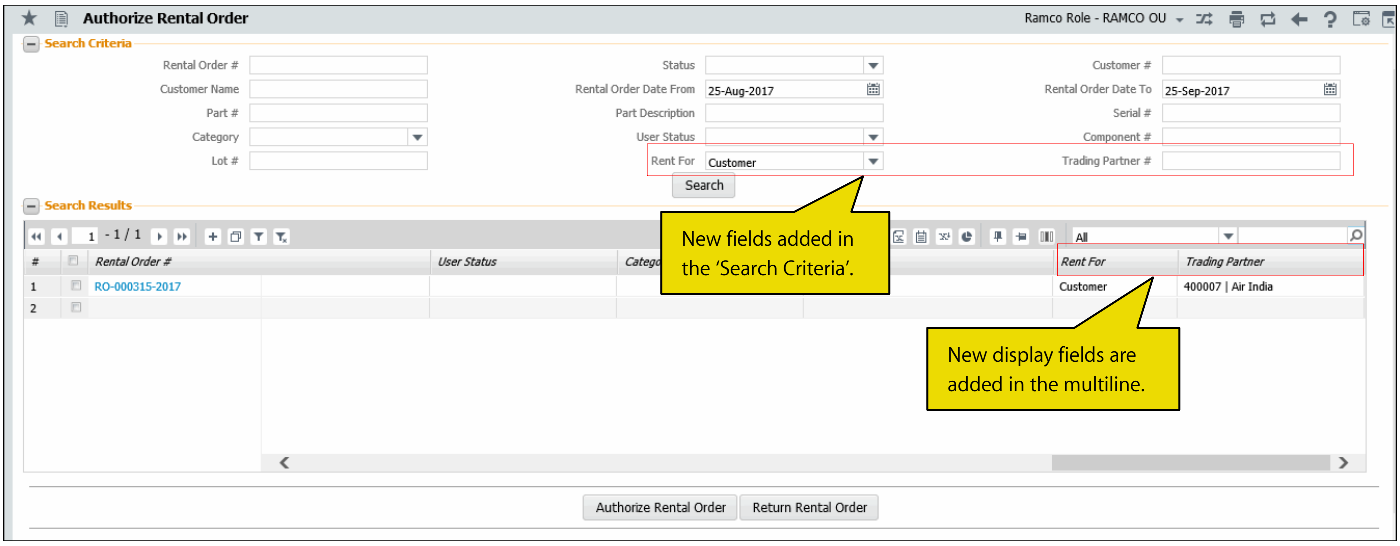
Exhibit 9: Identifies the changes in **Edit Penalty Charges** screen of the **Edit Rental Order** activity



In the **Authorize Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- Two new fields are added in the 'Search Criteria' section:
  - o A new drop-down 'Rent For' is added and this will be loaded with the values 'Customer', 'Self' and 'Blank'.
  - o New editable field 'Trading Partner #' is added to specify the customer who owns the renting out parts.
- Two new display only fields 'Rent For' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Rental order details on behalf of Customer.

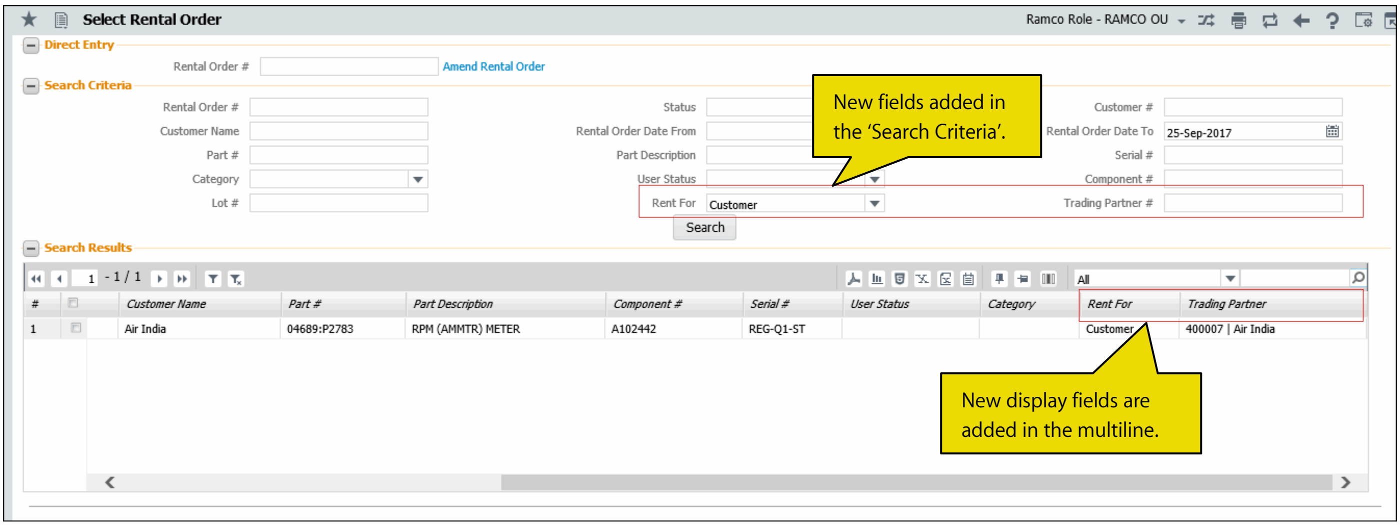
Exhibit 10: Identifies the changes in **Authorize Rental Order** activity



In the **Select Rental Order** screen in **Amend Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- Two new fields are added in the 'Search Criteria' section:
  - A new drop-down 'Rent For' is added and this will be loaded with the values 'Customer', 'Self' and 'Blank'.
  - New editable field 'Trading Partner #' is added to specify the customer who owns the renting out parts.
- Two new display only fields 'Rent For' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Rental order details on behalf of Customer.

Exhibit 11: Identifies the changes in **Select Rental Order** screen of the **Amend Rental Order** activity



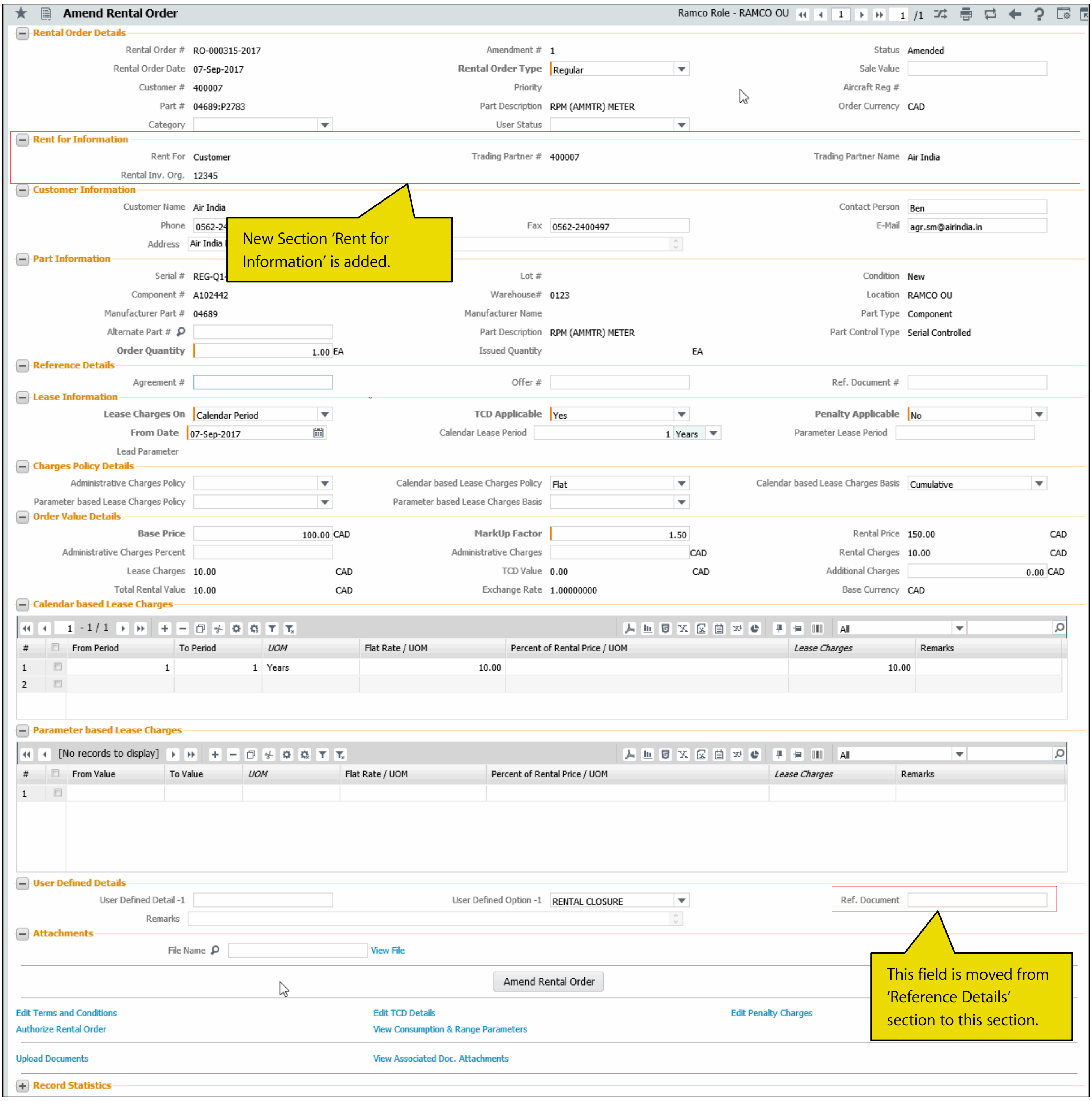
In the **Amend Rental Order** screen of the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Rent for Information' is added in the header. Under this section, the following controls are available:

- Four display fields ‘Rent For’, ‘Trading Partner #’, ‘Trading Partner Name’ and ‘Rental Inv. Org.’ are added to facilitate the display of Rental order details on behalf of Customer.

- In the 'Reference Details' section, ‘Ref. Document’ field is moved to the ‘User Defined Details’ section.

Exhibit 12: Identifies the changes in the **Amend Rental Order** screen



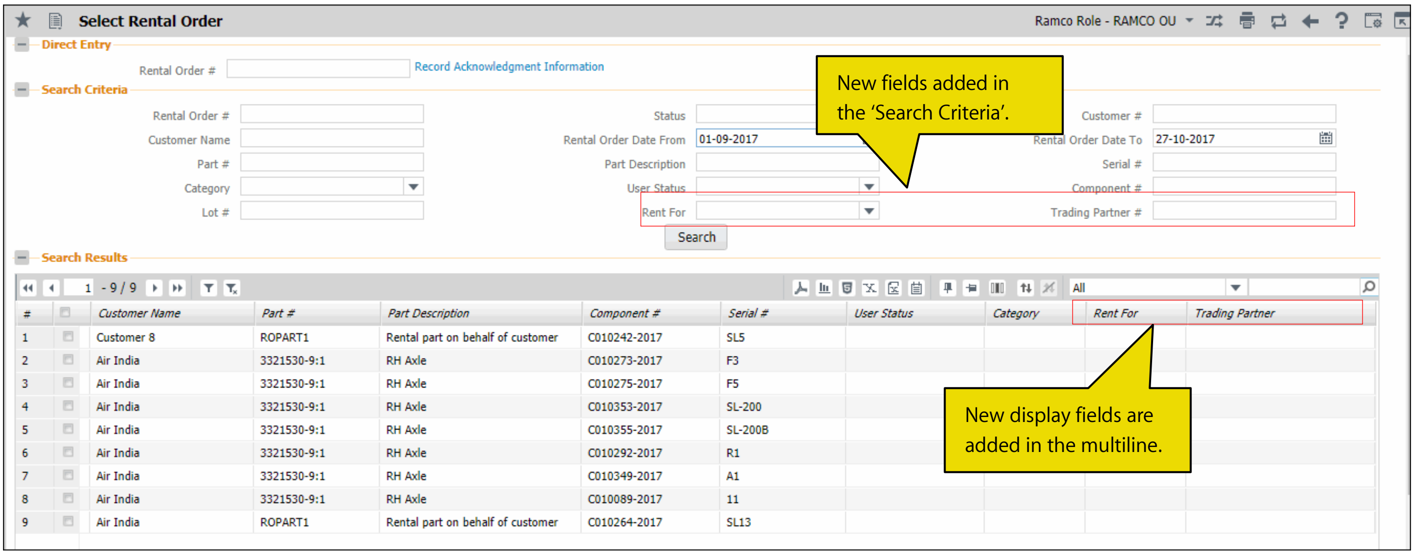
In the **Select Rental Order** screen in **Record Acknowledge Information** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- Two new fields are added in the ‘Search Criteria’ section:
  - A new drop-down ‘Rent For’ which will be loaded with the values ‘Customer’, ‘Self’ and ‘Blank’.
  - New editable field ‘Trading Partner #’ is added to specify the customer who owns the renting out of

parts.

- Two new display only fields 'Rent For' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Rental order details on behalf of Customer.

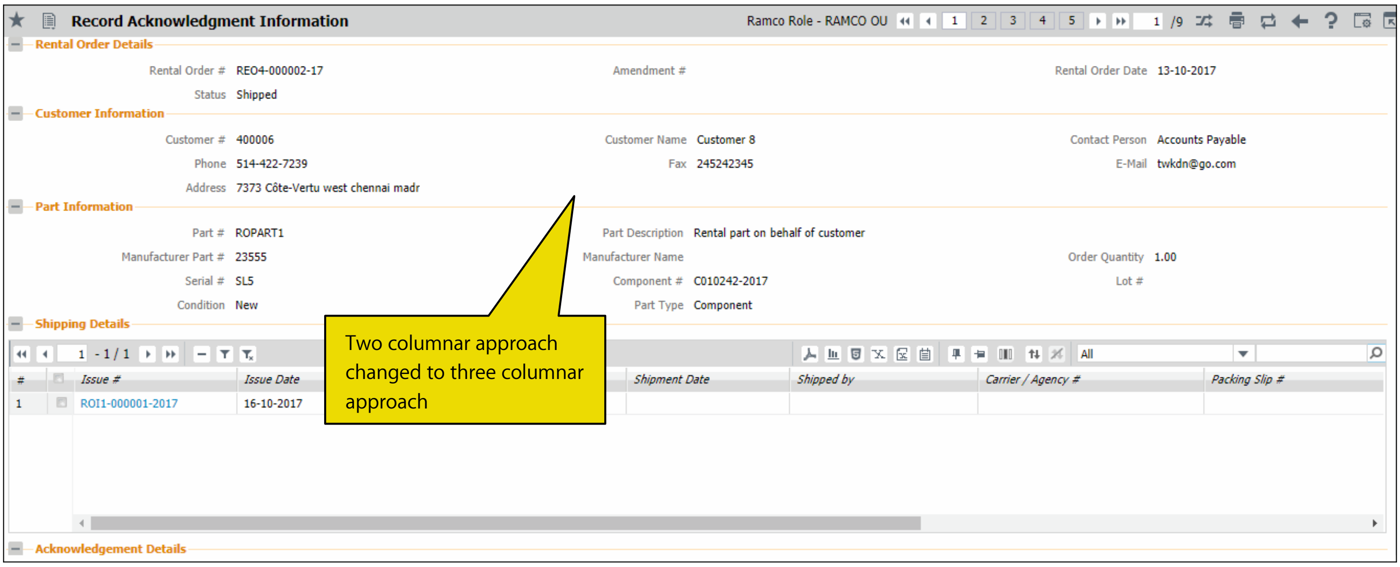
Exhibit 13: Identifies the changes in **Select Rental Order** screen of the **Record Acknowledge Information** activity



In the **Record Acknowledge Information** screen of the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach in all the sections.

Exhibit 14: Identifies the changes in the **Record Acknowledgement Information** screen

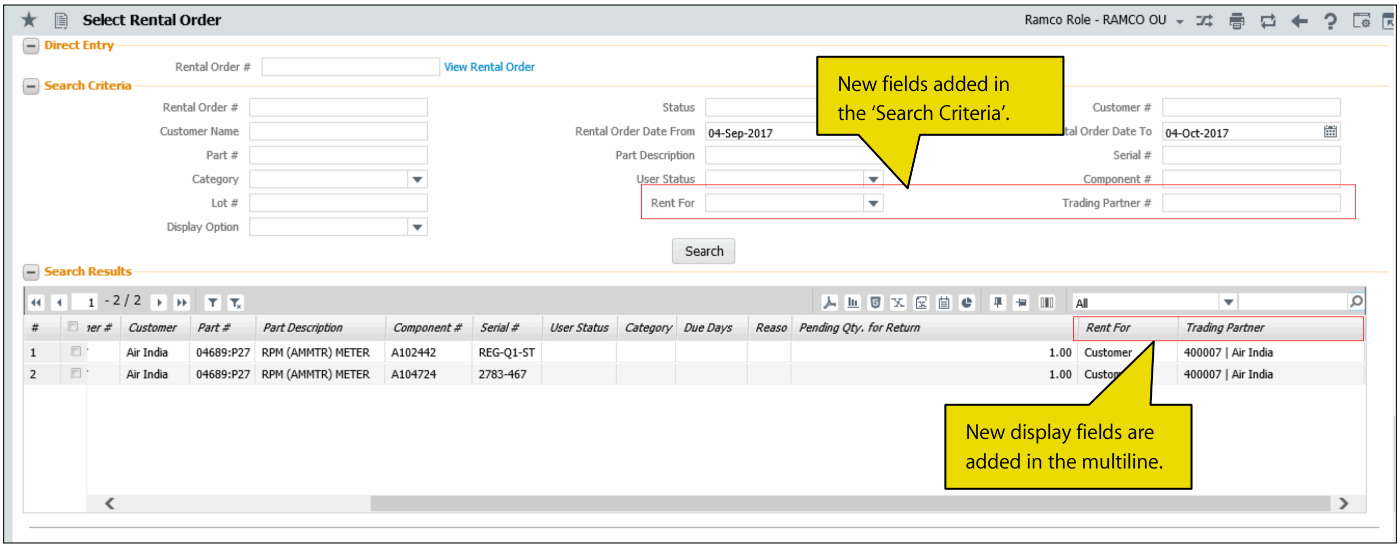


In the **Select Rental Order** screen in **View Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.

- Two new fields are added in the 'Search Criteria' section:
  - A new drop-down 'Rent For' is added and this will be loaded with the values 'Customer', 'Self' and 'Blank'.
  - New editable field 'Trading Partner #' is added to specify the customer who owns the renting out parts.
- Two new display only fields 'Rent For' and 'Trading Partner' are added in the 'Search Results' multiline to facilitate the display of Rental order details on behalf of Customer.

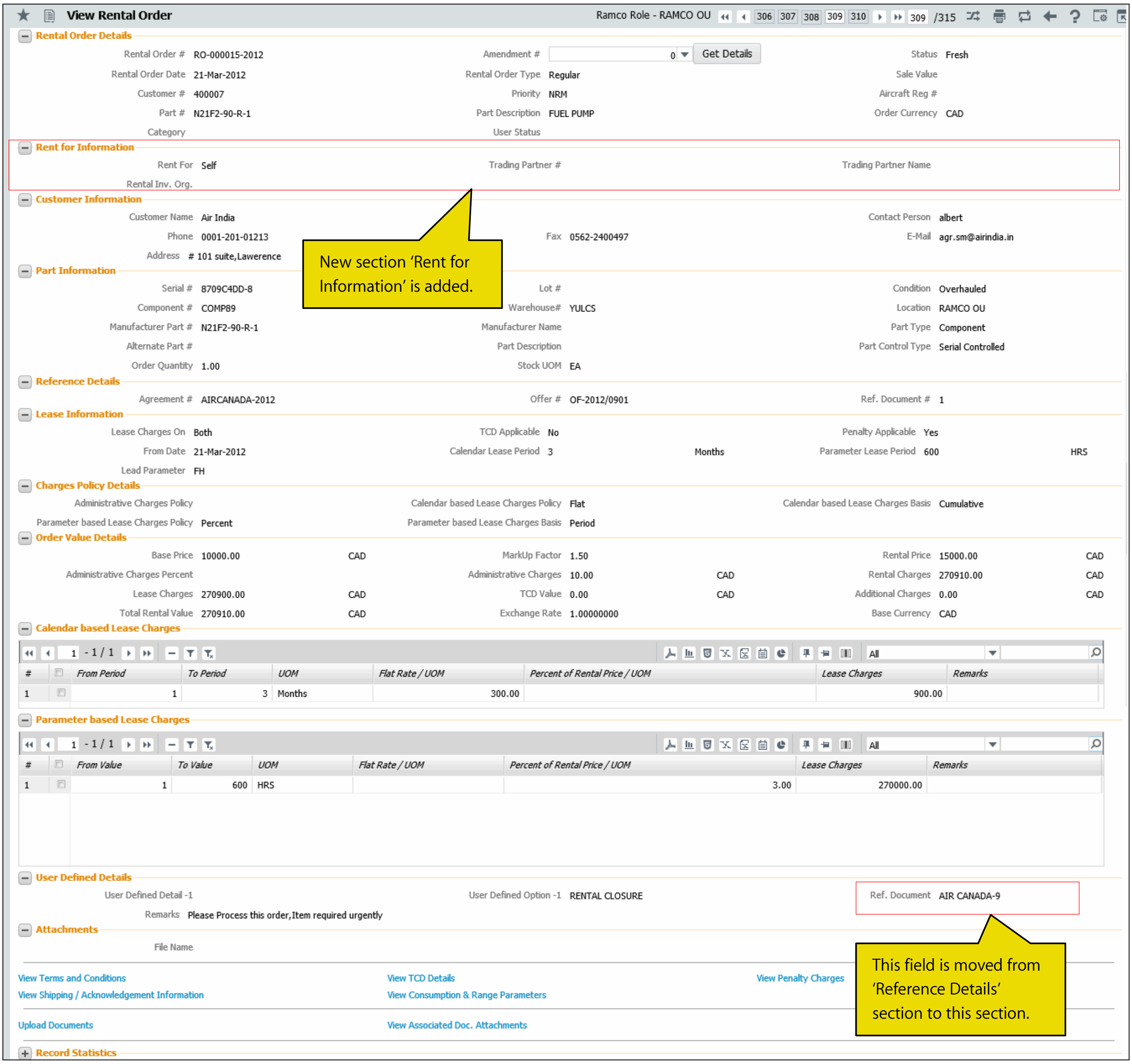
Exhibit 15: Identifies the changes in **Select Rental Order** screen of the **View Rental Order** activity



In the **View Rental Order** screen of the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new section 'Rent for Information' is added in the header. Under this section, the following controls are available:
  - Display only controls 'Rent For', 'Trading Partner #', 'Trading Partner Name' and 'Rental Inv. Org.' are added.
- In the 'Reference Details' section, 'Ref. Document' field is moved to the 'User Defined Details' section.

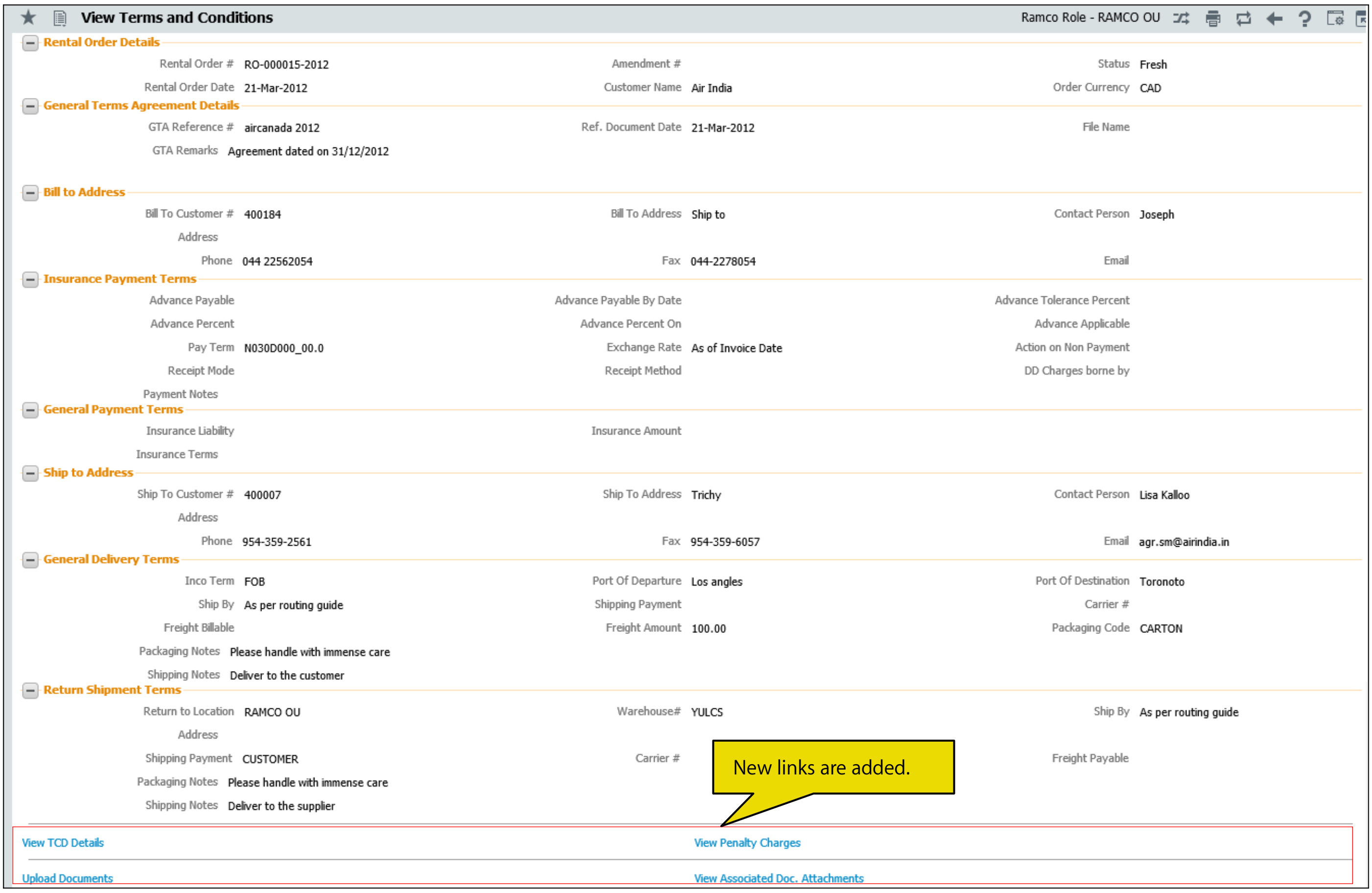
Exhibit 16: Identifies the changes in the **View Rental Order** screen



In the **View Terms and Conditions** screen in **View Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- New links are added at the bottom of the screen.
  - View TCD Details
  - View Penalty Charges
  - Upload Documents
  - View Associated Doc Attachments

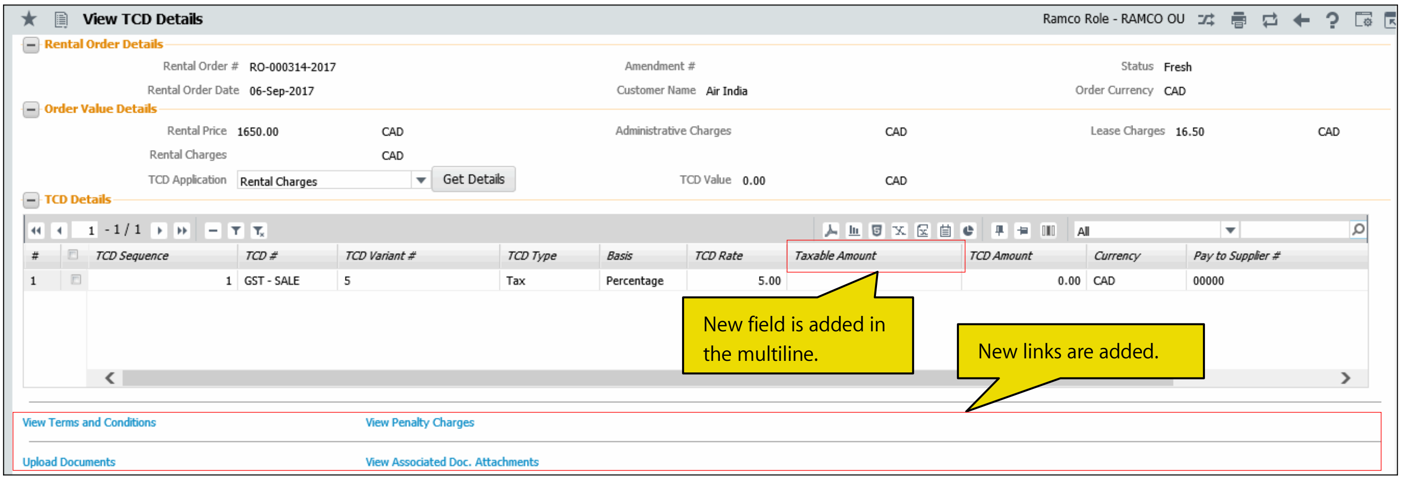
Exhibit 17: Identifies the changes in **View Terms and Conditions** screen of the **View Rental Order** activity



In the **View TCD Details** screen in **View Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- A new display field 'Taxable Amount' is added in the 'TCD Information' multiline which specifies the taxable amount on which the TCD amount is calculated.
- New links are added at the bottom of the screen.
    - View Terms and Conditions
    - View Penalty Charges
    - Upload Documents
    - View Associated Doc. Attachments

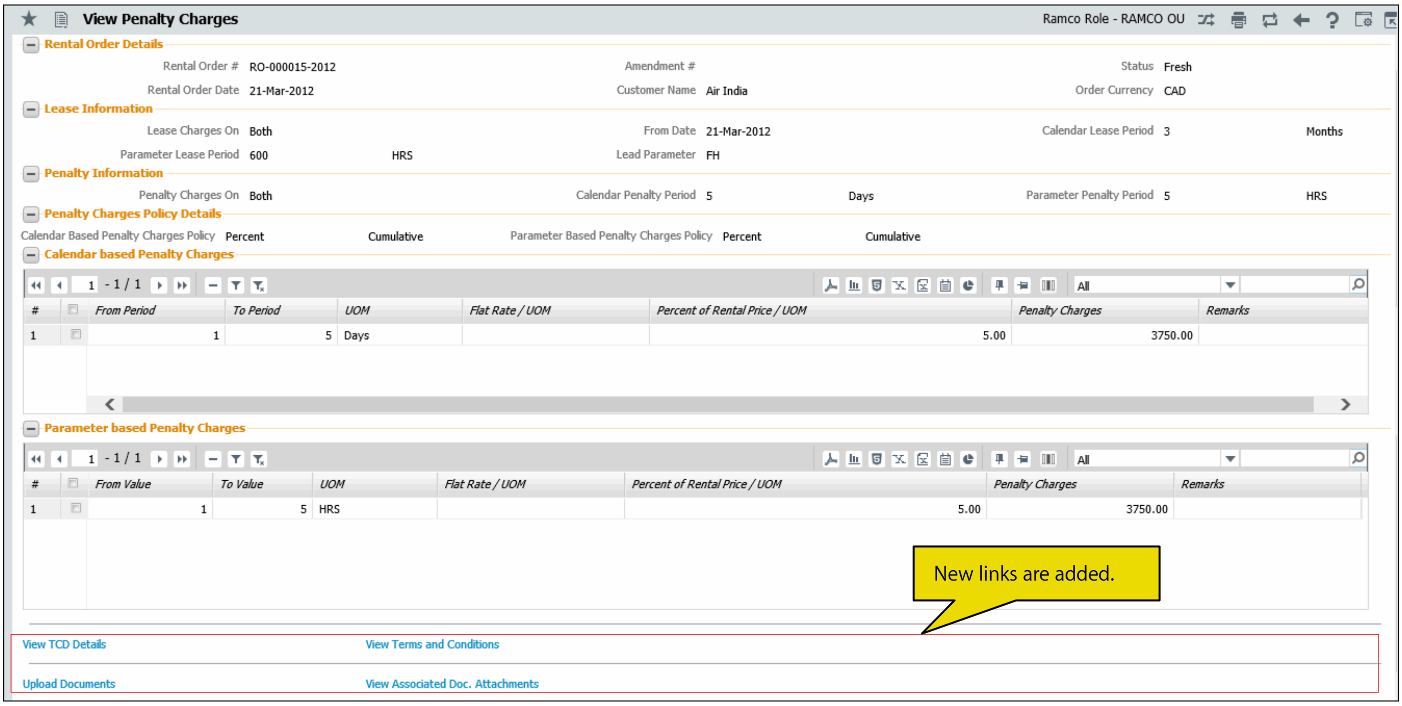
Exhibit 18: Identifies the changes in **View TCD** screen of the **View Rental Order** activity



In the **View Penalty Charges** screen in **View Rental Order** activity under the **Rental Order** component following changes are made:

- Two columnar approach has been changed to three columnar approach.
- New links are added at the bottom of the screen.
    - View TCD Details
    - View Terms and Conditions
    - Upload Documents
    - View Associated Doc. Attachments

Exhibit 19: Identifies the changes in **View Penalty Charges** screen of the **View Rental Order** activity



Accounting Impact

Background

Currently, Rental Order only supports Renting part(s) which are owned by the organization. This enhancement allows user to Rent out part(s) on behalf of Customer which is a group Company. This will bring provision to carry out transaction on behalf of the related companies and recording the same in the respective books of accounts. Though all the transactions are carried out by Source Company, Account postings for the same are recorded in Destination Company.

Change Details

Group Company (related Company) need to be set up in Ramco Application by virtue of which relationship shall be established amongst them to carry out transactions on behalf of another. To carry out business, Transacting Company need to identify its Destination Company. After Identification, it need to set up the **Customer Master** with **Nature of Customer** as 'Group Company' and specify the unique **Company Code** i.e., Destination Company Code.

For Instance: - Transacting Company 'ABC Ltd.' needs to Rent part(s) on behalf of its Group Company say 'XYZ Ltd.', then in the books of 'ABC Ltd.', Customer Master shall be set up in the name of 'XYZ Ltd.' and it is identified as Group Company/Trading Partner.

Rental Order Accounting:

Account Postings for Rental Order has been enhanced to post the accounting entries in the destination/ group company books for the rental orders created on behalf of group company customer.

Accounting Entries for Rental Issue, Rental Receipt and Rental Sale will be posted in the group company, based on the group company relationship established in the Maintain Organization Parameters screen between the source (Definition for) and the destination (Transacting with) company.

WHAT'S NEW IN PROCUREMENT MANAGEMENT?

Ability to Configure Printer for FedEX label printing

Reference: AHBG-15956

Background

With the existing approach, FedEx label will be printed based on the User mapping done through Backend. If the different printer needs to be used for WayBill Printing, then the same needs to be mapped through backend. Hence there is a requirement to configure the User-Printer mapping through Configure Printer in **Logistics Common Master** business component.

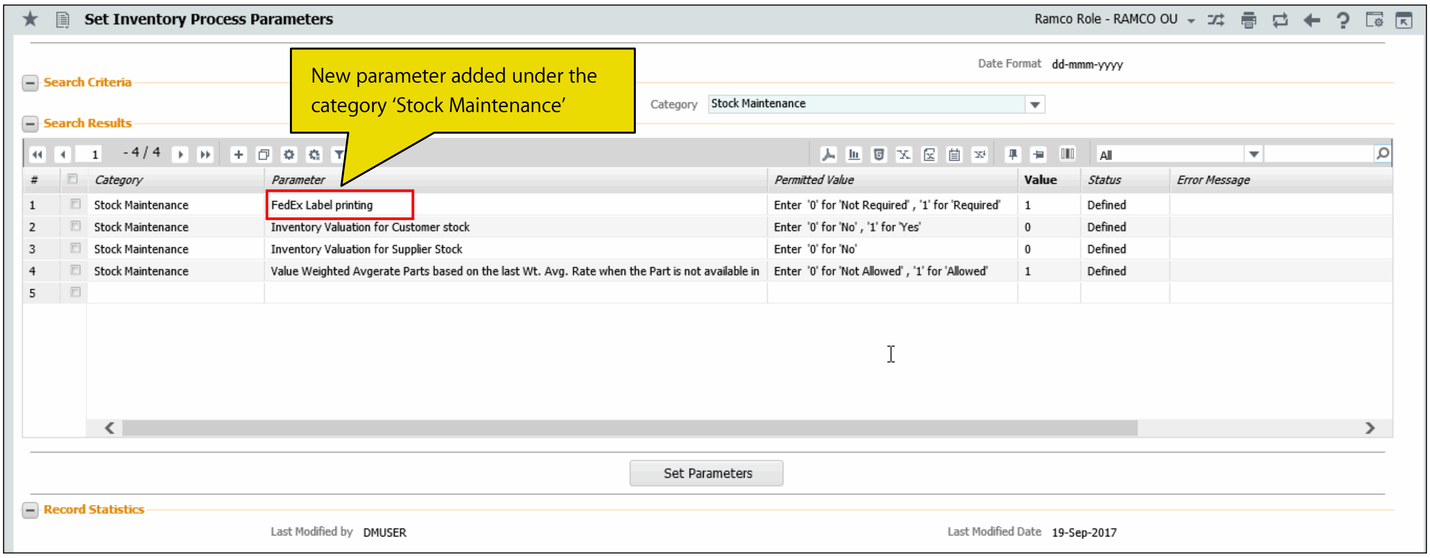
Change Details

Logistics Common Master

A new set option is added under the Category 'Stock Maintenance' in the **Set Inventory Process Parameters** screen of the **Logistics Common Master** business component to facilitate FedEx label printing.

- 'FedEx Label printing' is added with the following options:
    - Required – 'FedEx Label printing' by configuring the User-Printer mapping is required.
    - Not Required – 'FedEx Label printing' by configuring the User-Printer mapping is not required.

Exhibit 1: Identifies the option setting in **Set Inventory Process Parameters** screen in **Logistics Common Master** business component



Configure Printer

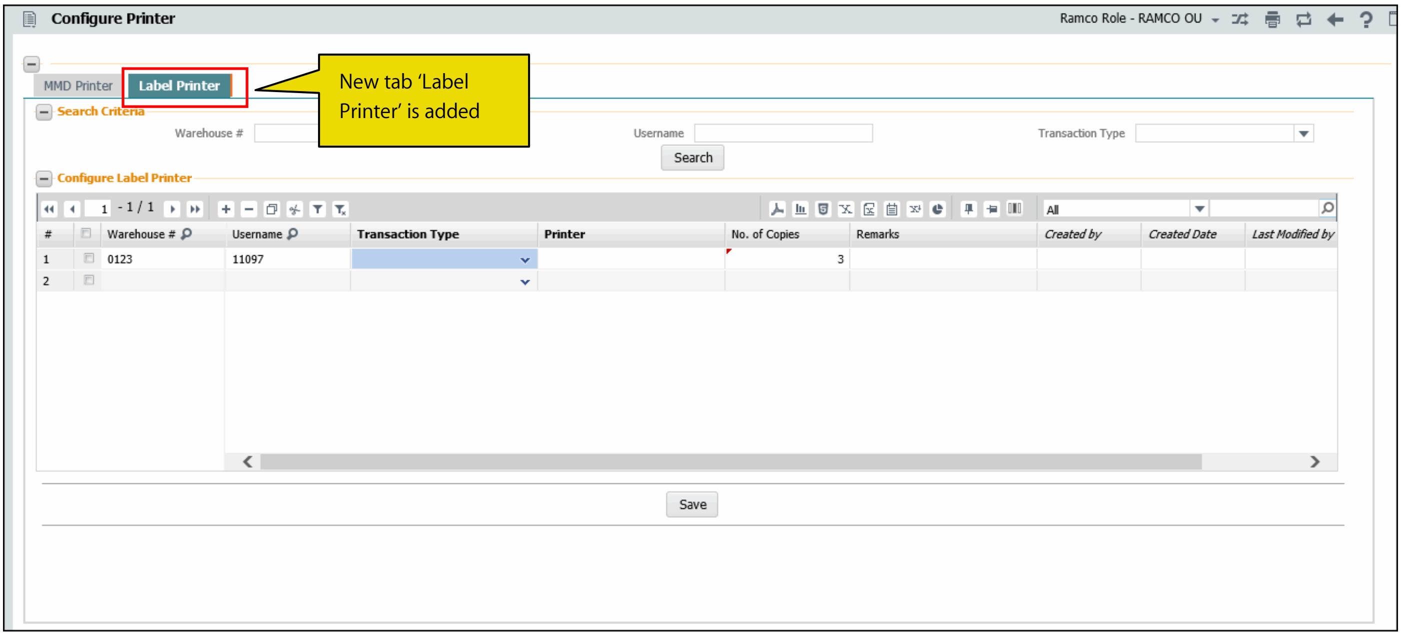
A new tab 'Label Printer' is added in the **Configure Printer** screen of the **Logistics Common Master** business component to facilitate configuration of the User-Printer mapping for WayBill printing.

1. Warehouse # - Identifies the warehouse # to which the printer must be connected for WayBill printing.
2. Username – Identifies the user with whom the printer is mapped for WayBill printing.

3. Transaction Type – The Transaction Types that can be routed to the printer for producing hard copies.
4. Printer – The printer that is connected to the warehouse for producing hard copies.
5. No. of Copies – Specifies the number of copies that the printer automatically prints.

Note: Whenever the User-Printer mapping for WayBill printing details are being modified, then a history for the modified values will be maintained.

Exhibit 2: Identifies the new tab in **Configure Printer** screen in **Logistics Common Master** business component



Upon confirmation of Shipping Note document, the system prints the FedEx WayBill # in printer that is specified in the Configure label printer in **Configure Printer** screen.

WHAT'S NEW IN STOCK MANAGEMENT REPORTS?

Ability to display an Overdue Sub-Assembly in Shelf Life Expiry / Maintenance Due List Report

Reference: AHBG-17114

Background

Currently the Shelf Life Expiry / Maintenance Due List Report displays the component parts that are available in stock, for which the expiry / maintenance is due. When a sub assembly component part is attached to another component (Parent) and the Sub-assembly component part is due for maintenance or shelf life expired, then the same should be displayed in Shelf Life expiry/maintenance Due report. Hence, there is a requirement to provide an ability to display the sub-component parts that are attached to the parent part, if they are due for shelf life expiry or maintenance.

Change Details

The **Shelf Life Expiry / Maintenance Due List** report displays the details of the sub-component parts that are attached to the parent part, if they are due for shelf life expiry or maintenance. When the sub-component parts are displayed in the report, then Attached parts details (i.e. Part #, Serial # & Part Description) will also be shown along with the sub-component parts.

<u>Example:</u> Consider that P1-S1 is a component part that is in stock (E.g. Engine). P2-S2 is a sub-component part attached to P1-S1 (E.g. Engine Fan Frame). P3-S3 is a sub-component part attached to P2-S2 (E.g. Actuator ring). Currently, if P1-S1 is due for shelf life expiry / maintenance, it will be retrieved in the report. However, P2-S2 and P3-S3, even if they are due for maintenance and shelf life expiry, will not be retrieved in the report. This report is now enhanced to retrieve and display even the sub-component parts P2-S2 and P3-S3 in the report, if they are due for shelf life expiry / maintenance.

Attached Part # must be displayed as 'P1'; Serial # as 'S1' and Part Description as the description of P1 for both P2-S2 and P3-S3.

Exhibit 1: Identifies the new fields displayed in **Shelf Life Expiry / Maintenance Due Report**

Warehouse #: 0123 Base Currency: CAD

Report: Shelf Life Expiry

Sl. No	Zone #	Bin #	Part #	Part Desc	Serial #	Lot #	Mfr. Lot #	Condition	Qty	UOM	Stock Status	Value	Due Date	Due days	SLE
286	01	1	ECH	Engine Part	A2			New	1.00	EA	Accepted	100.00	Not available		Yes
287	01	1	ECH	Engine Part	B1			New	1.00	EA	Accepted	100.00	Not available		Yes
288	01	1	ECH	Engine Part	B3			New	1.00	EA	Accepted	100.00	Not available		Yes
289	01	1	ECH	Engine Part	B6			New	1.00	EA	Accepted	100.00	Not available		Yes
290	01	1	ECH	Engine Part	eee			Unserviceable	1.00	EA	Accepted	0.00	Not available		Yes
291	01	1	ECH	Engine Part	SL-001			Serviceable	1.00	EA	Customer Owned	0.00	Not available		Yes
292	01	1	ECH SUB PART2	ECH sub part2	200			Serviceable	0.00	EA	Accepted	0.00	Not available		No
	Attached Part #: ECH; Serial #: 200; Part Description : Engine Part														
293	01	1	PART 2	Component	SL-00039 2016			Unserviceable	1.00	EA	Accepted	50.00	Not available		No
294	0-3	333	Z342: 1CH55-AA	Z342:1CH55-AA	13			New	1.00	EA	Accepted	0.00	Not available		No
295	01	1	Z342: 1CH55-AA	Z342:1CH55-AA	256			New	1.00	EA	Accepted	0.00	Not available		No
296	0-3	333	Z342: 1CH55-AA	Z342:1CH55-AA	569				1.00	EA	Accepted	0.00	Not available		No

Displays attached part details for sub-components

Legend : ** - Hazmat, UOM - Unit Of Measurement, SLE - Shelf Life Extendable,

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WHAT'S NEW IN WARRANTY MANAGEMENT?

Ability to have manual numbering for MRO Warranty Agreement

Reference: AHBG-22818

Background

Business need is to provide the ability to generate MRO Warranty Agreement # automatically or manually based on the user input. This will help the Warranty Administrator to manually update the existing Warranty Agreement # provided by OEM, thereby ensuring ease of tracking the Warranty documents even in system.

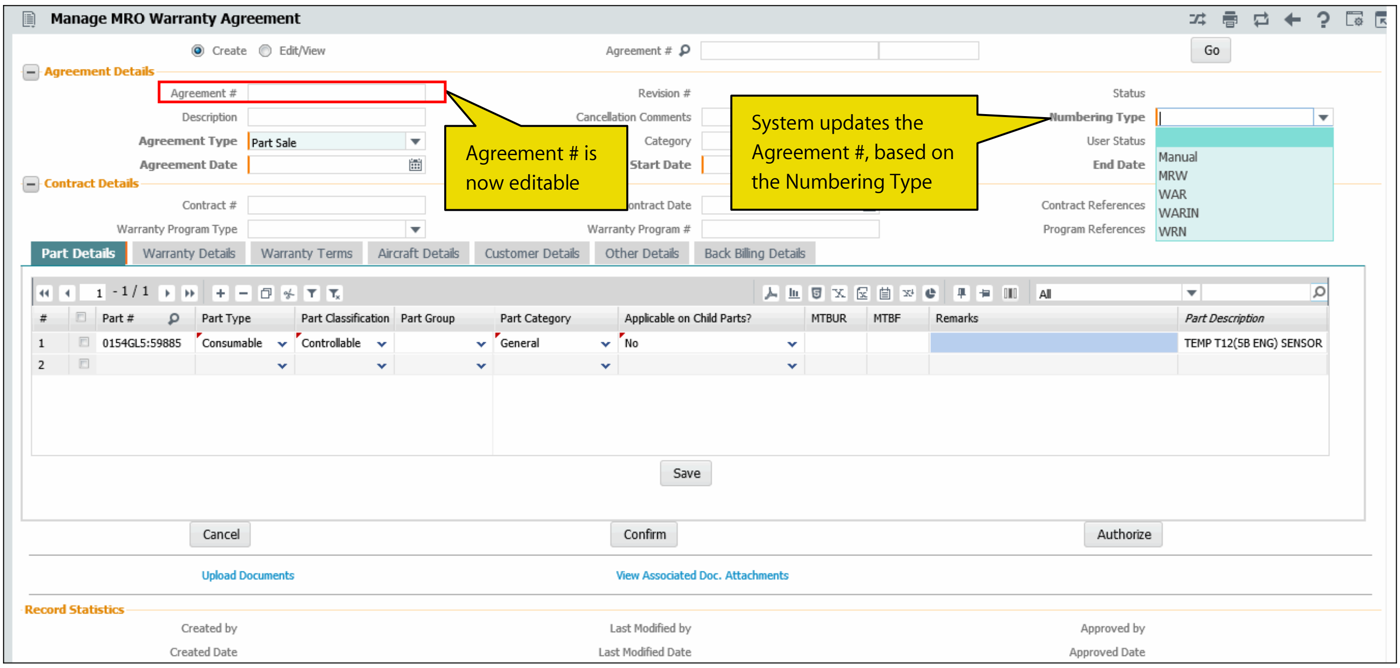
Change Details

MRO Warranty

- The display only field 'Agreement #' in the 'Agreement Details' group box is changed to editable field in the **Manage MRO Warranty Agreement** activity of the **MRO Warranty** business component.
- A new drop-down field 'Numbering Type' is added in the 'Agreement details' group box to select if the MRO Warranty Agreement should be numbered based on a Numbering Type or manually. The system lists all the 'Active' numbering types defined for the transaction "MRO Warranty Agreement" in the **Create Numbering Type** activity of the **Document Numbering Class** business component and the value "Manual" along with a blank value.

Note: If the 'Numbering Type' field is set as "Manual", then the Warranty Agreement # will be generated with the value that is provided for the Agreement #. If the Numbering Type value is other than "Manual", then the Warranty Agreement # will be generated with the selected Numbering Type.

Exhibit 1: Identifies the **Manage MRO Warranty Agreement** screen



Ability to Setup MRO Warranty Agreement

Reference: AHBG-17004

Background

An MRO organization offers warranty to the customers when the parts are sold or serviced by them or maintains the warranty documents offered by the OEMs to its customers, as an authorized vendor for the OEM. This Enhancement provides the ability to setup MRO warranty agreement with the customer, and maintain the warranty information for parts covered under part sale or service sale agreements and also the warranty extended by OEM. The enhancement provides the following features:

- Ability to define MRO warranty agreement with the following information
  - Parts covered under Warranty
  - Warranty details including the Warranty Type, Duration, warranty applicability based on the customer, aircraft model from which the part is removed and sent, etc.
  - Aircraft Model or Aircraft Tail #s which are covered in the Warranty agreement
  - Customers for whom the warranty agreement is valid
  - General Inclusion and Exclusions
  - Customer who should be back billed under the warranty agreement
- Ability to have a register of the Part-Serial/Lot #s offered under warranty to the customers

Change Details

1. A new business component **MRO Warranty** is introduced under the **Warranty** business process with the following new activities / screens:
   - A new activity **Manage MRO Warranty Agreement** to setup MRO Warranty agreement.
   - A new help screen **Help on MRO Warranty Agreement** to retrieve the MRO warranty agreements.
   - **Manage Parts under MRO Warranty** (Refer to the section 'Ability to Manage Parts under MRO Warranty' for more details**).**
2. A new transaction 'MRO Warranty Agreement' has been defined under **MRO Warranty** business component in **Warranty** function area in **Maintain Numbering Privileges** screen under the **Document Numbering Class** business component.
3. New quick code types "MRO Warranty Category", "MRO Warranty User Status", "MRO Warranty Program Type" have been added in the **Create Quick Codes** and **Edit Quick Codes** activity of the **Warranty** business component.

Manage MRO Warranty Agreement – Agreement Details

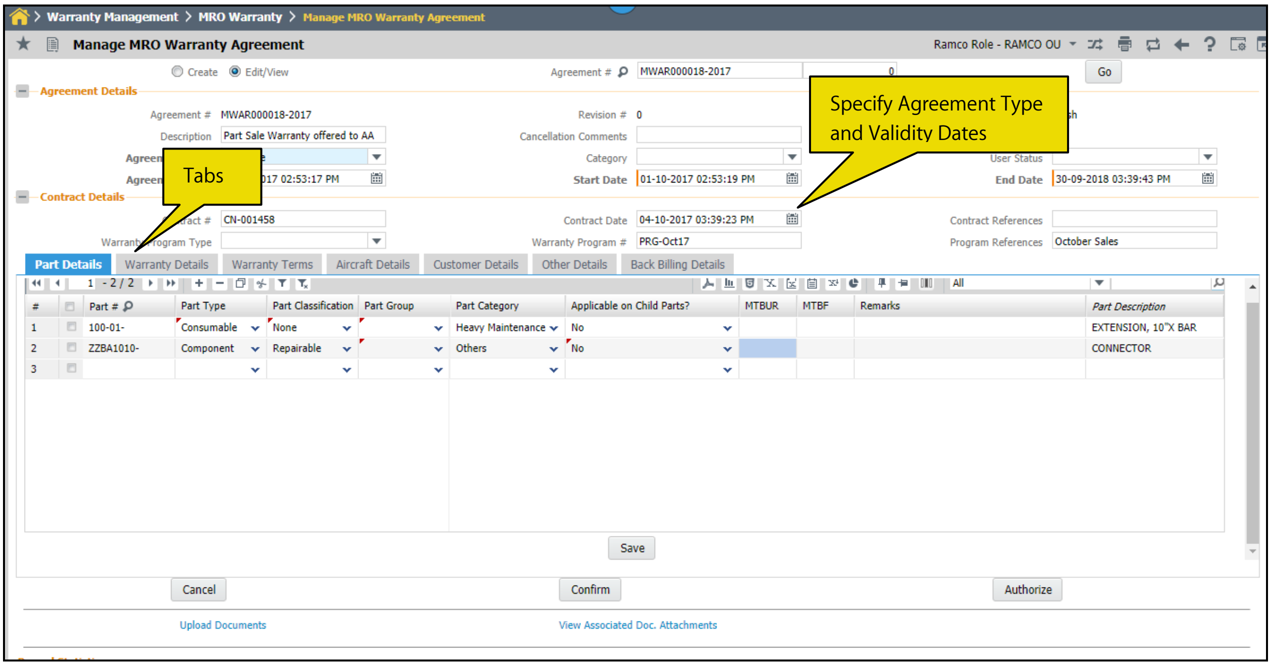
A new activity **Manage MRO Warranty Agreement** enables to define the Agreement information including Agreement Description, Agreement Date and Agreement Validity dates and provides different tabs to identify various elements of the Warranty Agreement.

9. Select the **Create** radio button to create the MRO warranty agreement or **Edit / View** radio button to modify or view the MRO warranty agreement.
10. Specify the **Agreement Type** as one of the following:
    - OEM Warranty – Indicates that MRO maintains warranty offered by OEM to its customers, MRO being authorized vendor to the OEM.

- Part Sale – If MRO offers warranty to customers for parts sold by them
- Service Sale – If MRO offers warranty for parts serviced by them

11. Specify the **Agreement Date** and **Start Date** / **End Date** (Agreement Validity period).
12. The screen provides various tabs to identify and save the Parts covered under the Warranty Agreement, Warranty details, Warranty Terms, aircraft Details, customer details, inclusion / exclusion terms against the warranty agreement and back billing details.
13. Once the details in the Part Coverage Details, Warranty Details and Warranty Terms are saved, the warranty agreement can be confirmed and authorized.
14. Cancellation of the agreement will be supported when the document is in 'Draft' or 'Fresh' status.
15. If an authorized document is modified, then a new revision will be generated. Once the new revision is authorized, the old revision will go to 'Revised' status.

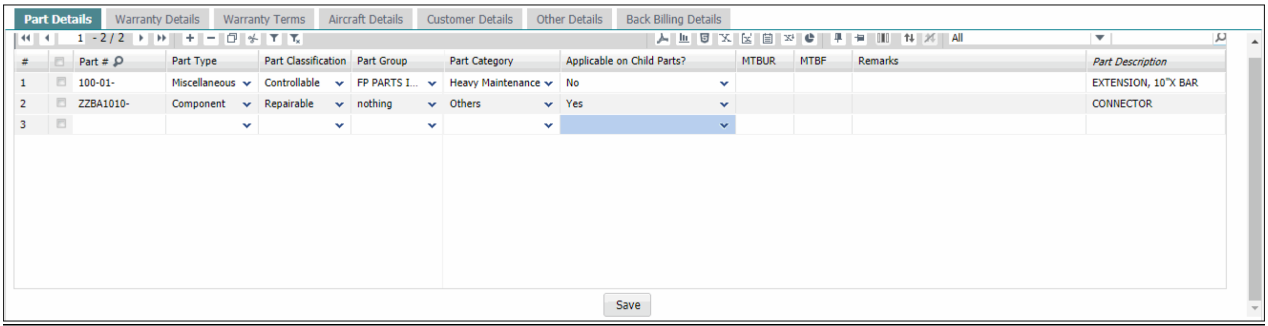
Exhibit 1: Identifies the **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Part Details tab

The **Parts Details** tab in the **Manage MRO Warranty Agreement** enables identifying the parts covered under the Warranty Agreement. Parts covered under the agreement can be mentioned individually or through Part Type, Classification or Group. Once the part details are saved, the system generates a Warranty Agreement # in ‘Draft’ status with the default numbering type mapped for the transaction 'MRO Warranty Agreement' in the **Document Numbering Class** business component, in Create Mode.

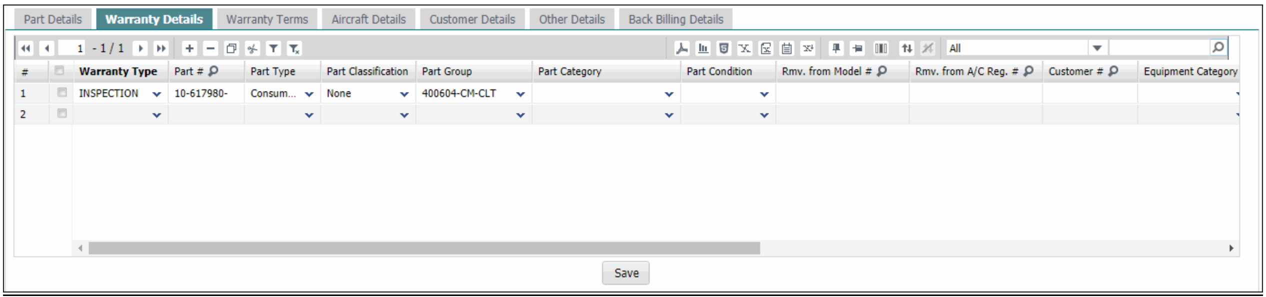
Exhibit 2: Identifies the **Part Details** tab in **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Warranty Details tab

The **Warranty Details** tab allows identifying the combination of the Part - Customer - A/C attributes covered under the warranty agreement. Details like Warranty Type, Part Group, Part Type, Part Classification, Customer #, Warranty Duration, Parameter details, Warranty begins on (Shipment Date, Certificate Date, Mfr. Date, A/C Induction Date, A/C Operation Date) etc. can be recorded in this tab.

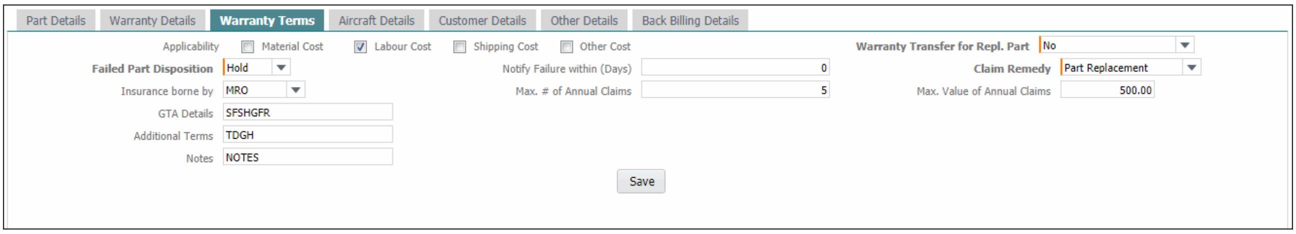
Exhibit 3: Identifies the **Warranty Details** tab in **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Warranty Terms tab

The **Warranty Terms** tab identifies the terms of Warranty offered like the Claim Remedy, Costs covered under warranty, Failed part disposition, etc. Once warranty terms are saved the agreement change to 'Fresh' status.

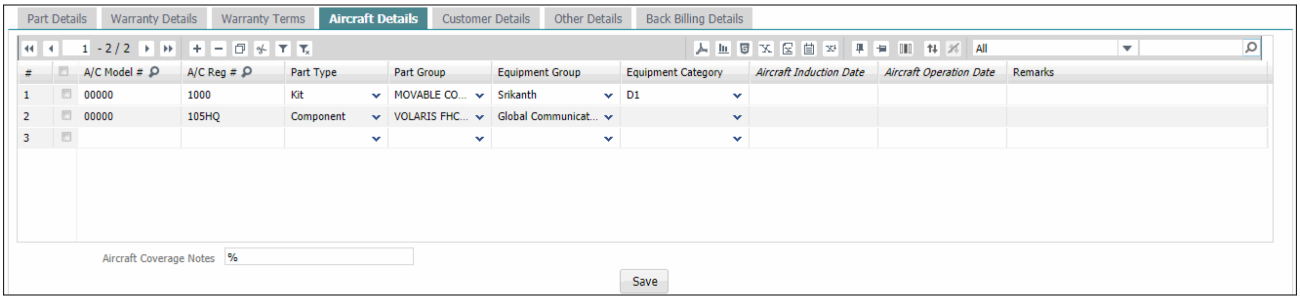
Exhibit 4: Identifies the **Warranty Terms** tab in **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Aircraft Details tab

The **Aircraft Details** tab helps in identifying various aircrafts for which the warranty agreement is valid. This tab can save the information at Aircraft Model or at Aircraft Reg. # level. If the Aircraft Model # or Aircraft Reg. # is mentioned here, then the document is valid only for the work done against AME in the mentioned Aircraft model or Aircraft reg. #.

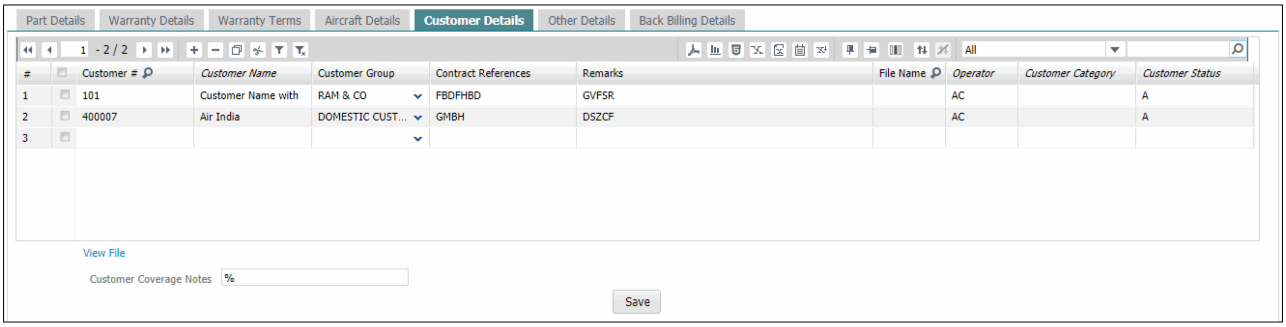
Exhibit 5: Identifies the **Aircraft Details** tab in **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Customer Details tab

The **Customer Details** tab identifies various customers for whom the warranty agreement is valid. This tab can save the information at Customer # or at Customer Group level. If the Customer Group or Customer # is mentioned here, then the document is valid only for the work done against AME/SWO raised for Components/Aircraft mapped to that customer.

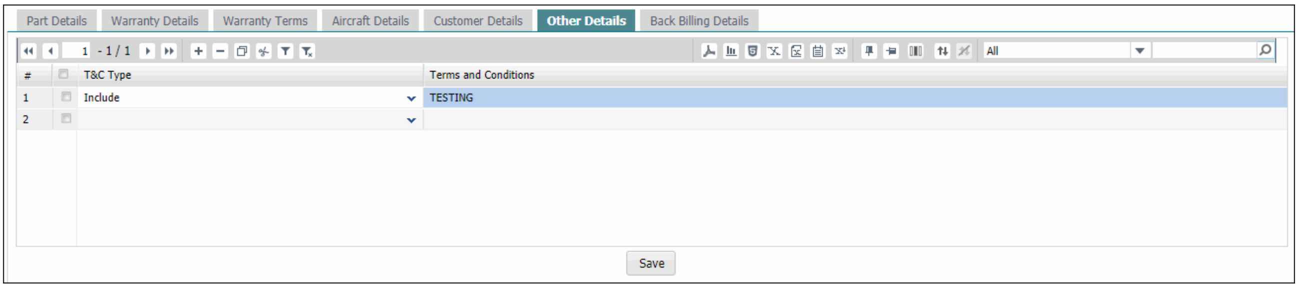
Exhibit 6: Identifies the **Customer Details** tab in **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Other Details tab

The **Other Details** tab defines the general inclusion and/or exclusion terms against an MRO warranty agreement.

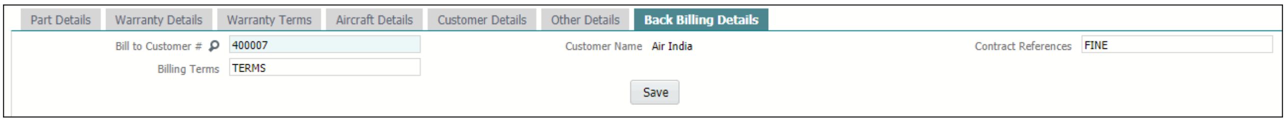
Exhibit 7: Identifies the **Other Details** tab in **Manage MRO Warranty Agreement** screen



Manage MRO Warranty Agreement – Back Billing Details tab

The **Back Billing Details** tab enables identifying the Customer # to whom the back billing should be done, whenever warranty orders are processed.

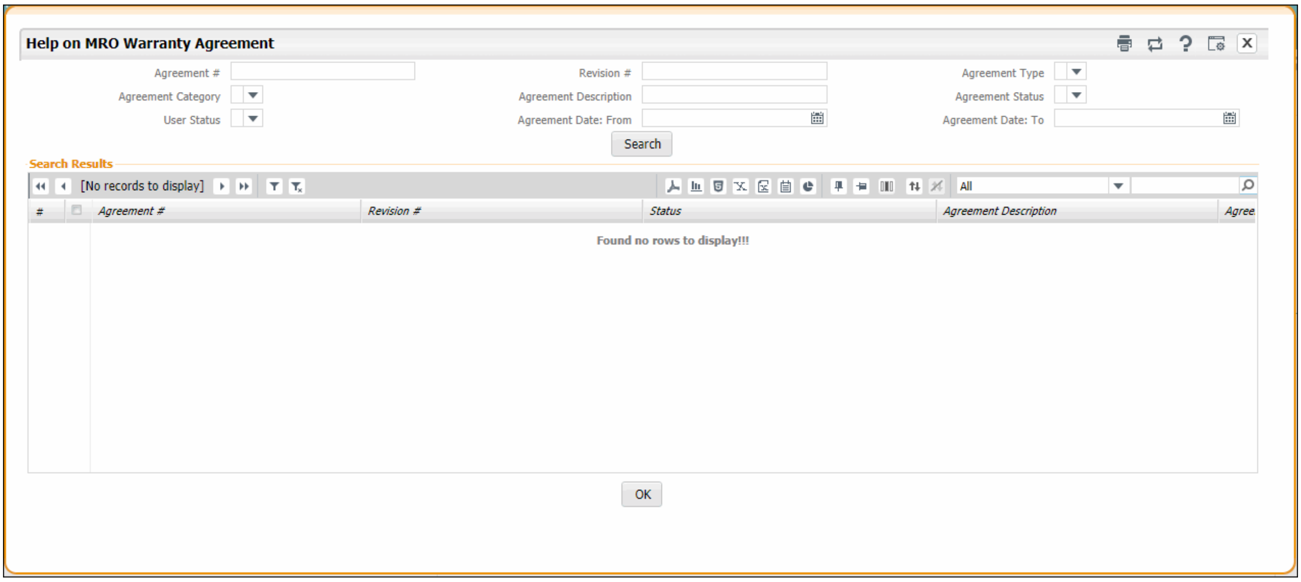
Exhibit 8: Identifies the **Back Billing Details** tab in **Manage MRO Warranty Agreement** screen



Help on MRO Warranty Agreement

A new help screen **Help on MRO Warranty Agreement** is provided in the MRO Warranty Agreement screen to retrieve the MRO warranty agreements.

Exhibit 9: Identifies the **Help on MRO Warranty Agreement** screen



Ability to manage parts under MRO Warranty

Reference: AHBG-17078

Background

This enhancement provides the ability to update the Part-Serial/Lot #s under warranty against different agreements and search for the various Part-Serial/Lot #s under the warranty. Provision to activate and/or inactivate the warranty instances is also supported. The warranty instances can be setup automatically during the following scenarios:

- Confirmation of Unplanned Issue against a Customer Order document (after work completion).
- Confirmation of General Issue raised against a Part Sale Order.
- Confirmation of Inspection for a Goods Receipt raised against a dropship purchase order raised to fulfil the need of a Part Sale Order.
- Confirmation of Maintenance Issue against the Exchange Order raised against a Work Order or Repair Order.

Change Details

In order to meet the above business requirement, the following changes are done.

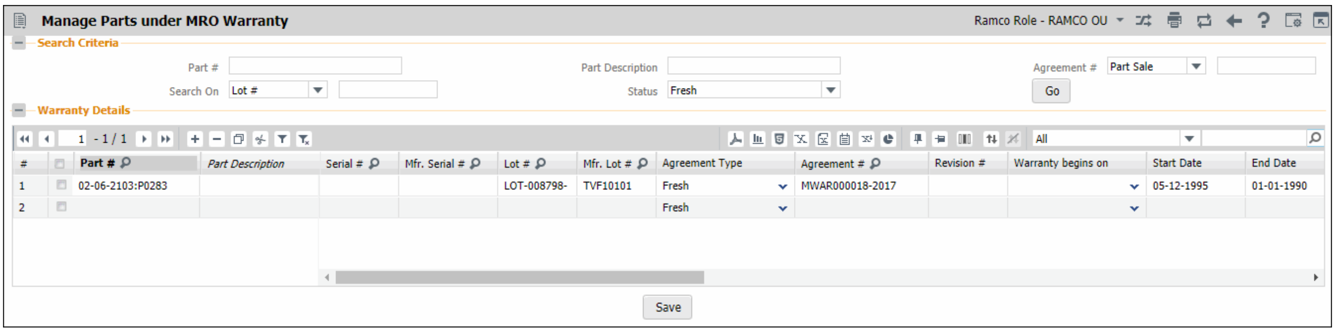
1. A new activity **Manage Parts under MRO Warranty** is introduced under the **MRO Warranty** business component, to meet the above business requirement.
2. A new transaction 'Warranty Instance' has been defined under **MRO Warranty** business component in **Warranty** function area in **Maintain Numbering Privileges** screen under the **Document Numbering Class** business component.

Manage Parts under MRO Warranty

This **Manage Parts under MRO Warranty** activity allows you to update the Part-Serial/Lot #s offered under warranty and search for the various Part-Serial/Lot #s under the warranty. You can provide the search criteria to retrieve the Part-Serial/Lot #s or enter the Part-Serial/Lot # details directly in the multiline.

You can update / retrieve details like Part-Serial/Lot #, Agreement Type, Agreement #, warranty beginning date, warranty validity dates, parameter applicable for the warranty, etc. The Agreement # in the multiline is help-enabled which launches the **Help on MRO Warranty Agreement** to retrieve the MRO warranty agreements. On save, the system generates the Warranty Instance in 'Fresh' status.

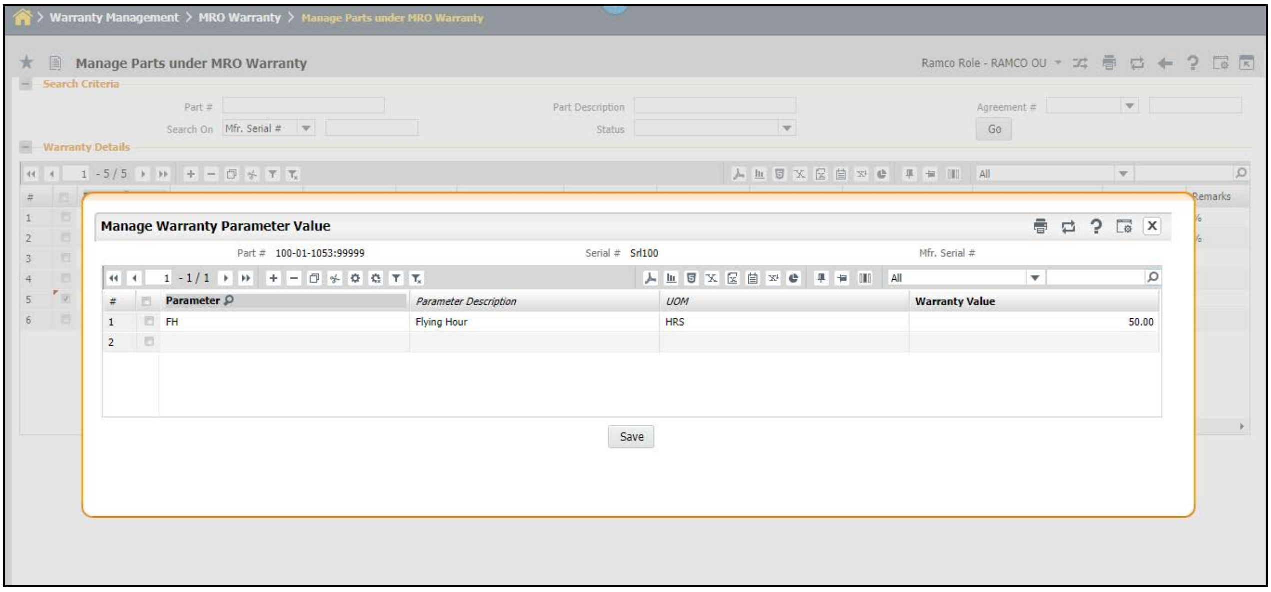
Exhibit 1: Identifies the **Manage Parts under MRO Warranty** screen



Manage Warranty Parameter Value pop-up

The Parameter field in the multiline of the **Manage Parts under MRO Warranty** screen is hyperlinked to launch the **Manage Warranty Parameter Value** pop-up. This pop-up enables you to update the required parameter details like Parameter value, description and warranty value for the warranty.

Exhibit 2: Identifies the **Manage Warranty Parameter Value** pop-up



Note: This feature involves commercials and is not available for all customers. Please contact your Ramco Account Manager.

Ability to evaluate Warranty and generate Warranty Instances in Service Sale cycle

Reference: AHBG-19000

Background

Whenever a Part-Serial/Lot # is received for servicing from a customer, the availability of a warranty for that part is checked at different points of the order processing like receiving, shop execution, estimation preparation, sale quotation and billing. This enhancement provides the ability to view the warranty instances for a given Part-Serial/Lot # involved in different stages of the repair cycle. You can also view the warranty offered by a supplier for a given part-serial/lot #, in addition to the warranty offered to the customers, the warranty reference documents and the repair history of part-serial/lot.

Also, based on different warranty terms, warranty instances will be provided for the Part-Serial/Lot # serviced in a work order at various logical events like SWO Closure or CoM Issuance or Parts shipment. Business need is to cater generation of instances automatically in these events based on the warranty agreement which can be mapped to the service sale contracts.

Change Details

The **View Associated Warranty Instances** pop-up is added as new UI under the **Manage Parts under MRO Warranty** activity in the **MRO Warranty** business component. The Pop-up can be launched for a Part-Serial/Lot # received in a Customer Goods Receipt. The pop-up can also be viewed from the following screens:

- Route Unserviceable Components/Parts screen of Component Maintenance Planning business component.
- Plan Work Order screen of Shop Work Order business component.
- Record Work Estimates screen of Work Monitoring and Control business component.

<u>**MRO Warranty - View Associated Warranty Instances**</u>

A new Pop-up **View Associated Warranty Instances** is added in the **MRO Warranty** business component to view the warranty instances for a given Part-Serial/Lot # combination.

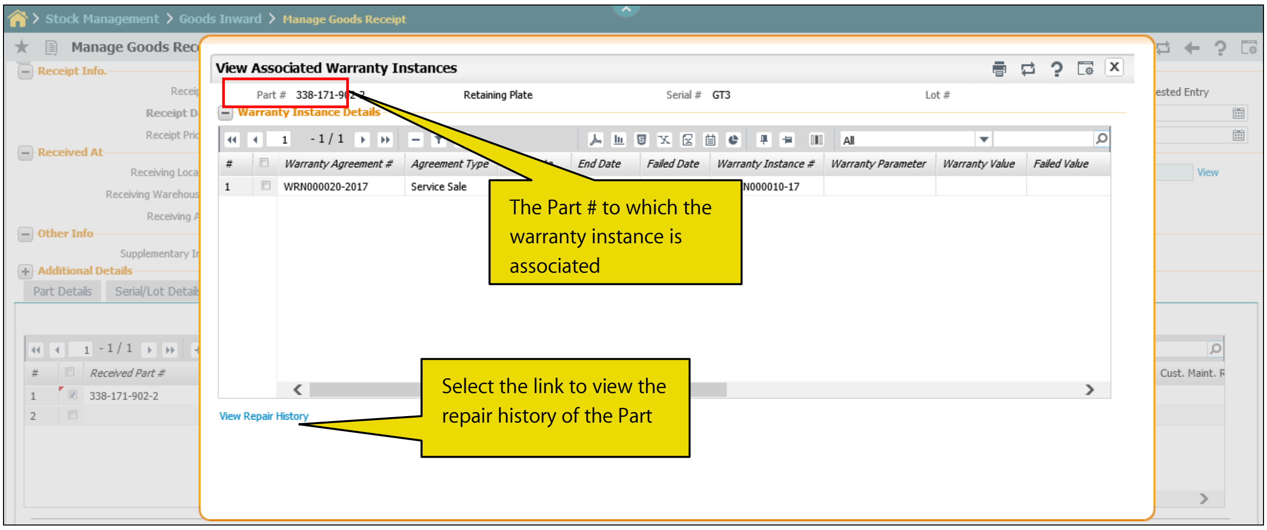
6. On clicking the hyperlinked field 'Under Warranty' in the multiline of the **Work Requested Customer Parts** tab in the **Manage Goods Receipt** screen of the **Goods Inward** business component, the **View Associated Warranty Instances** Pop-up can be launched.

   Note: Similar hyperlinks will be available in the Removal and Warranty Details tab of Plan Work Order screen, Unserviceable Components/Parts multiline of the Route Unserviceable Components/Parts screen, Order Execution & Warranty tab of the Edit Work Estimates screen.

7. **Part #**, **Serial #**, **Lot #** fields in the header identifies the part # – Serial #/Lot # combination for which the warranty instance is associated.
8. The **Warranty Instance Details** like Warranty Agreement #, Warranty Agreement Type, Warranty Parameter, Warranty Instance # of the warranty offered to the customers are displayed in the multiline. If the Part-Serial/Lot # has been provided under warranty by a supplier, details of supplier who offered warranty is displayed in the multiline along with the agreement and reference document information.
9. The hyperlinked **Reference Document #** provides the ability to view the warranty reference document.

10. The **View Repair History** link at the bottom of the screen enables to view the repair history of the part during evaluation of the Warranty.

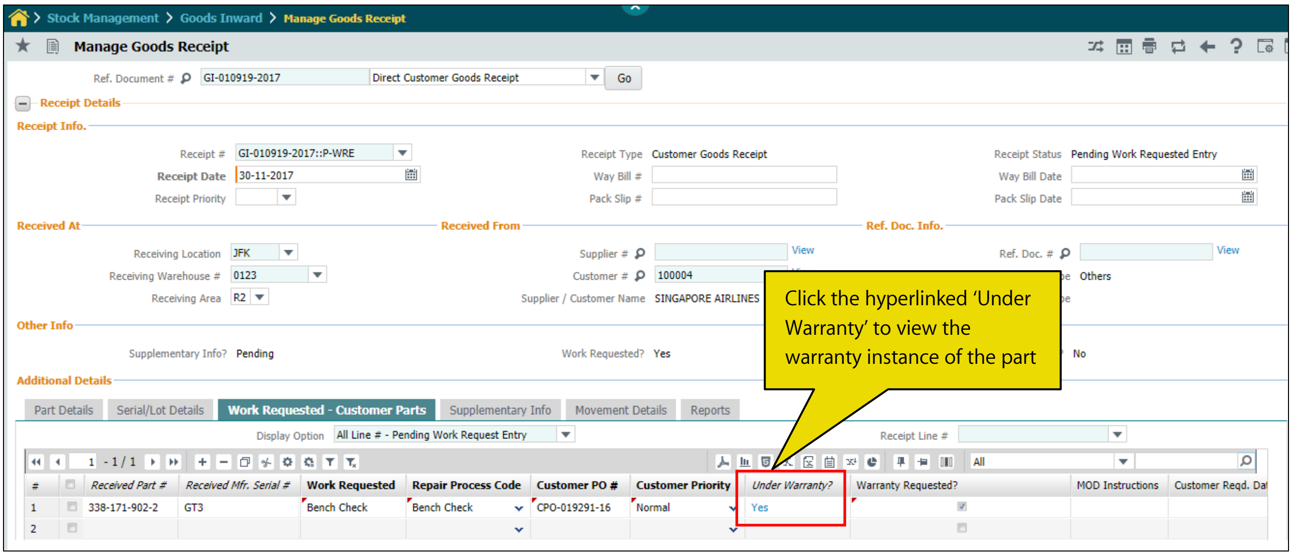
Exhibit 1: Identifies the **View Associated Warranty Instances** pop-up screen added under **MRO Warranty** business component



Manage Goods Receipt

A new column 'Under Warranty' is added in the multiline of the **Work Requested Customer Parts** tab in the **Manage Goods Receipt** screen of the **Goods Inward** business component. This column is hyperlinked to launch the **View Associated Warranty Instances** Pop-up.

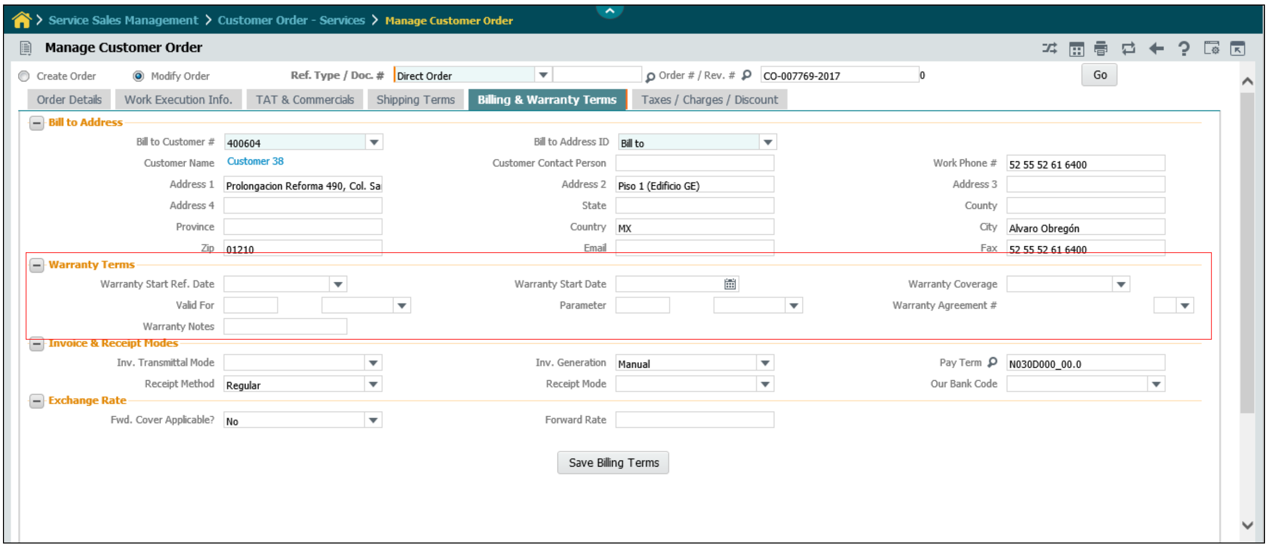
Exhibit 2: Identifies the changes in the **Manage Goods Receipt screen** in **Goods Inward** business component



Manage Customer Order

Warranty terms have been introduced under the Billing tab and the tab has also been renamed as 'Billing and Warranty Terms'. The section would contain the information on the applicable Warranty agreement and the corresponding Warranty terms as per the agreement. User can make modify the terms such as Warranty Start Ref. date, Warranty coverage, parameter and value information which would be applicable for the particular order only.

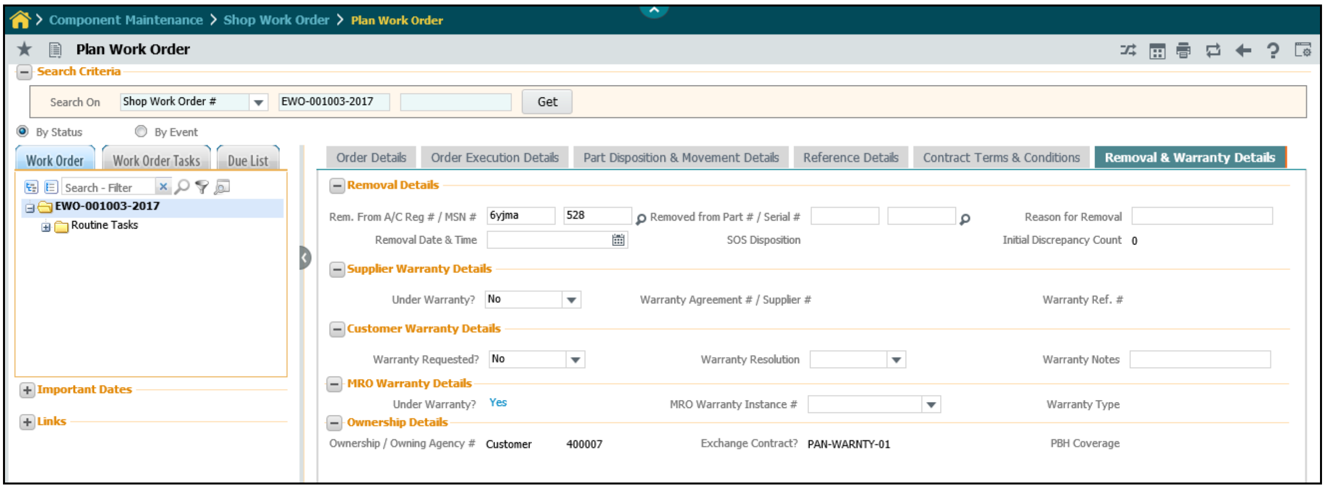
Exhibit 3: Identifies the changes in the **Manage Customer Order** screen in **Service Sales Management** business component



Plan Work Order

A new section 'MRO Warranty Details' is added in the **Removal & Warranty Details** tab of the **Plan work Order** screen of the **Shop Work Order** business component. Controls 'Under Warranty' and MRO Warranty Instance # are added in this section. Under Warranty will be displayed as 'Yes', 'No' or 'Not Evaluated' as per the availability and validity of the Warranty Instances. Click of the under warranty link will open the **View Associated Warranty Instances** pop-up screen.

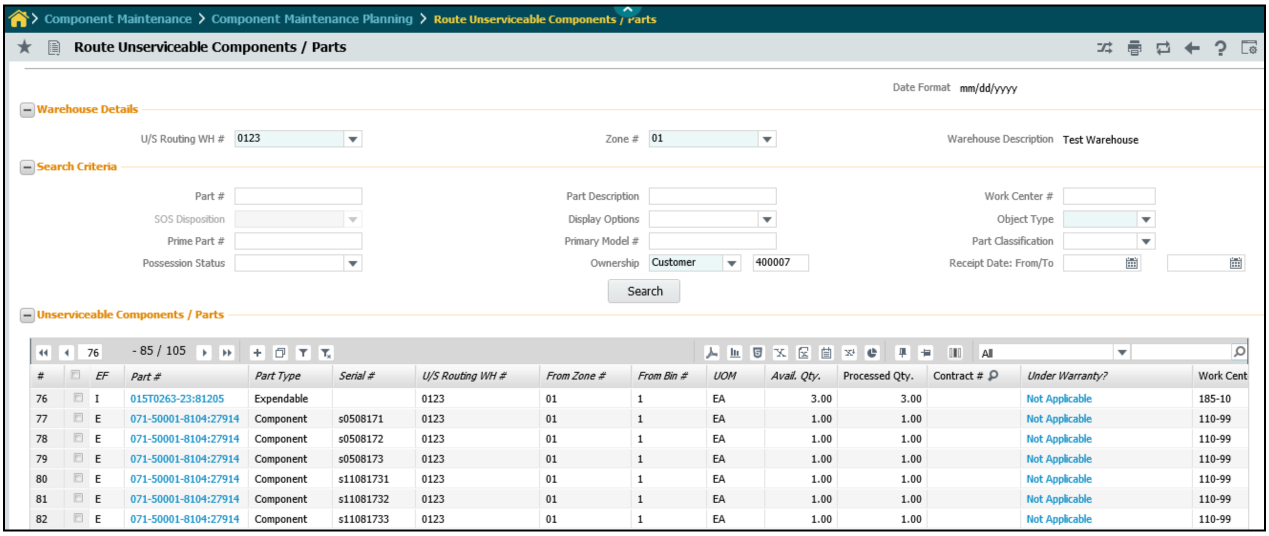
Exhibit 4: Identifies the changes in the **Plan Work Order screen** in **Shop Work Order** business component



Route Unserviceable Components/Parts

The column 'Under Warranty' is made as a hyperlink to open the **View Associated Warranty Instances** pop-up screen.

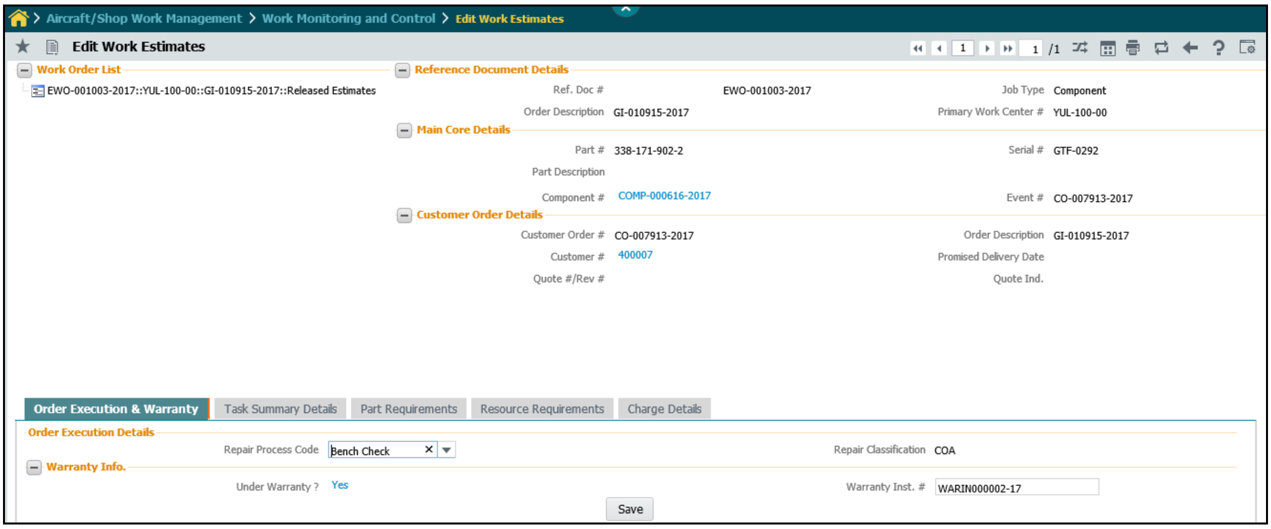
Exhibit 5: Identifies the changes in the **Route Unserviceable Components/Parts** screen in **Component Maintenance Planning** business component



Edit Work Estimates

A new tab **Order Execution & Warranty** is added in **the Edit Work Estimates** screen of the **Work Monitoring and Control** business component. This tab has provisions to display 'Under Warranty?' indicating if the main core part in the Work Order is under warranty, and enter the warranty instance # referring to which it is going to be covered under warranty, in addition to the order execution details like repair process code and repair classification.

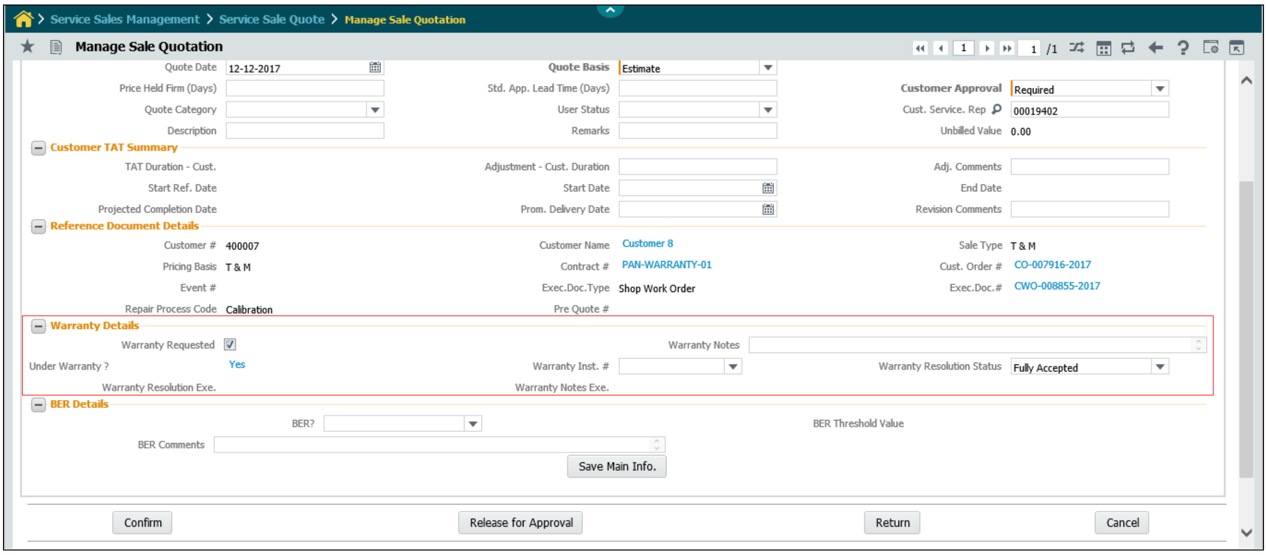
Exhibit 6: Identifies the changes in the **Edit Work Estimates** screen in **Work Monitoring and Control** business component



Manage Sale Quotation

A new section has been introduced under the Main Info. tab to display the Warranty details. The section shows information such as 'Warranty requested', 'Under Warranty?' and Warranty instance information. User can modify the Warranty instance as well as the Warranty resolution for the given Customer Order while setting up the quote. The resolution modified will automatically modify the billability of the Tasks in the order.

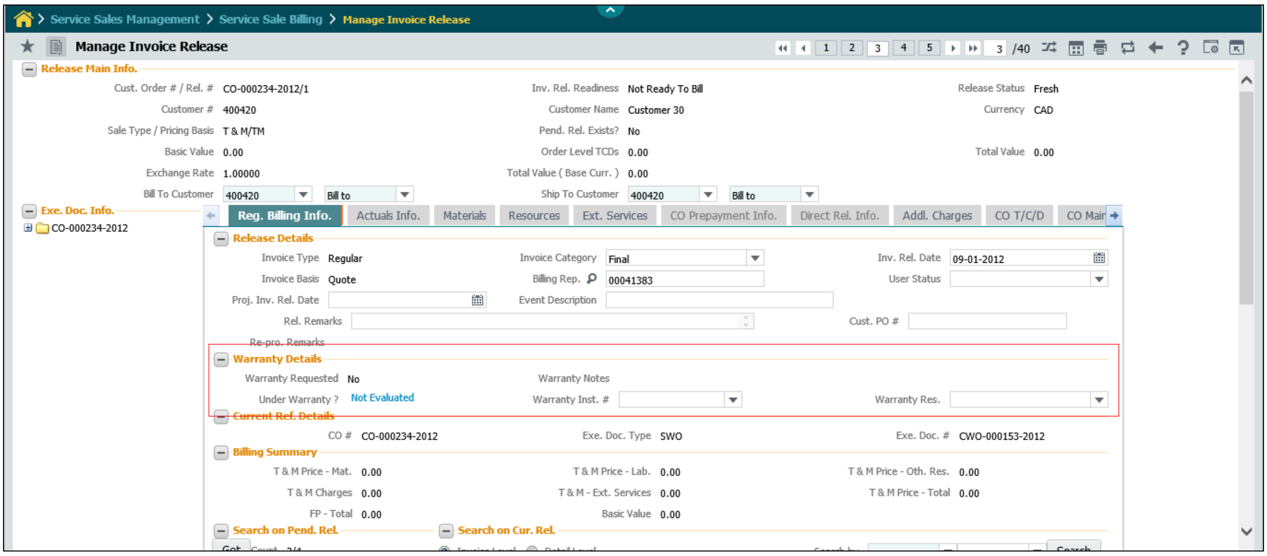
Exhibit 7: Identifies the changes in the **Manage Sale Quotation** screen in **Sale Quotation** component



Manage Invoice Release

As in Sale Quote, a separate section is introduced for Warranty details containing the details such as Warranty requested, Under warranty?, Warranty Instance and Warranty resolution. The instance and resolution can be modified in the Invoice release which in case while impact the billability of Tasks in the Release.

Exhibit 8: Identifies the changes in **Manage Invoice Release** screen in **Service Sale Billing** component



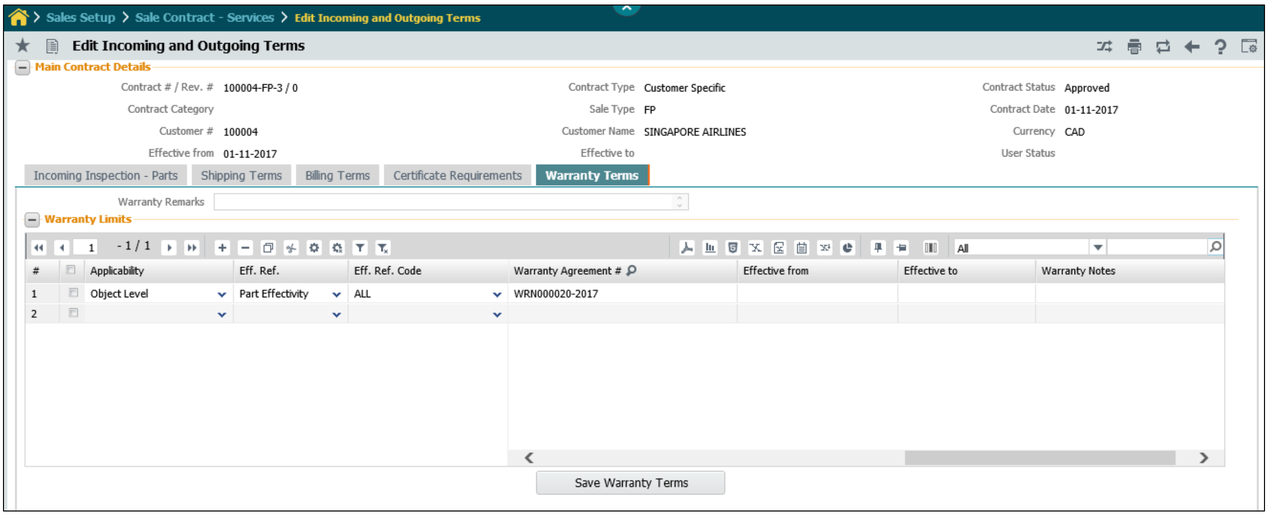
Manage Sale Contract

In addition to the Warranty Agreement, Warranty terms can also be defined directly in Sale Contract. Warranty in sale contract can either be a Warranty agreement itself or simple terms specific to the Contract which can be directly entered into the Contract without an Agreement #.

A column Warranty Agreement # is added in the **Warranty Terms** tab of the **Edit Incoming and Outgoing Terms** screen of the **Sale Contract** business component. The warranty agreement referring which the warranty instances shall be offered for the customer orders referring the contract can be defined here. This agreement will be referred during the respective events of warranty instance generation. In addition to these changes, two more warranty start reference dates are added, namely Issue Confirmation Date and SWO Closure

Date.

Exhibit 9: Identifies the changes in the **Edit Incoming and Outgoing Terms** screen in **Sale Contract** business component



WHAT'S NEW IN STOCK MAINTENANCE?

Ability to allow PSN change for parts issued for Aircraft Maintenance

Reference: AHBG-24160

Background

When a Part-Serial Change of Change Basis 'Correction' and Change Type 'Part Reference Change' or 'Part and Serial Reference Change' is processed for a Part-Serial # combination (Part having the Issue basis as 'Returnable' or 'Core Returnable') issued to an AME, the AME document gets displayed as an Open Transaction (i.e.) Change Allowed will be displayed as 'No' in the multiline (on click of Analyze Impact button). Business need is to perform the Part-Serial Change though it is issued to AME.

Change Details

When a Part-Serial Change of Change Basis 'Correction' and Change Type 'Part Reference Change' or 'Part and Serial Reference Change' is processed for a Part-Serial # combination (Part having the Issue basis as 'Returnable' or 'Core Returnable') issued to an AME, the system checks the following backend option setting:

- If the option 'Part-Serial change for Returnable/Core Returnable Parts issued to Aircraft Maintenance' is defined as Allowed (1), then the Change Allowed will be displayed as 'Yes' against the AME # in the multiline of the **Record Part # - Serial # Change** screen in **Stock Maintenance** business component, on click of 'Analyze Impact' button.

  Note: Further, On click of 'Confirm Analysis / Change' button, the Reconcile Qty – Core or Reconcile Qty – Excess will be updated for the Part-Serial # combination issued to the AME with the Reconciliation remarks updated as "Auto Reconciled due to Part-Serial Change "<PSCNo>"", based on the Part's Issue Basis.

- If the option is defined as Not Allowed (0), then the Change Allowed will be displayed as 'No' as per the current behavior and 'Confirm Analysis / Change' action will be restricted.

WHAT'S NEW IN ADVANCE SHIPPING NOTE?

Ability to launch FedEx website to track the Way Bill status in Advance Shipping Note

Reference: AHBG-24049

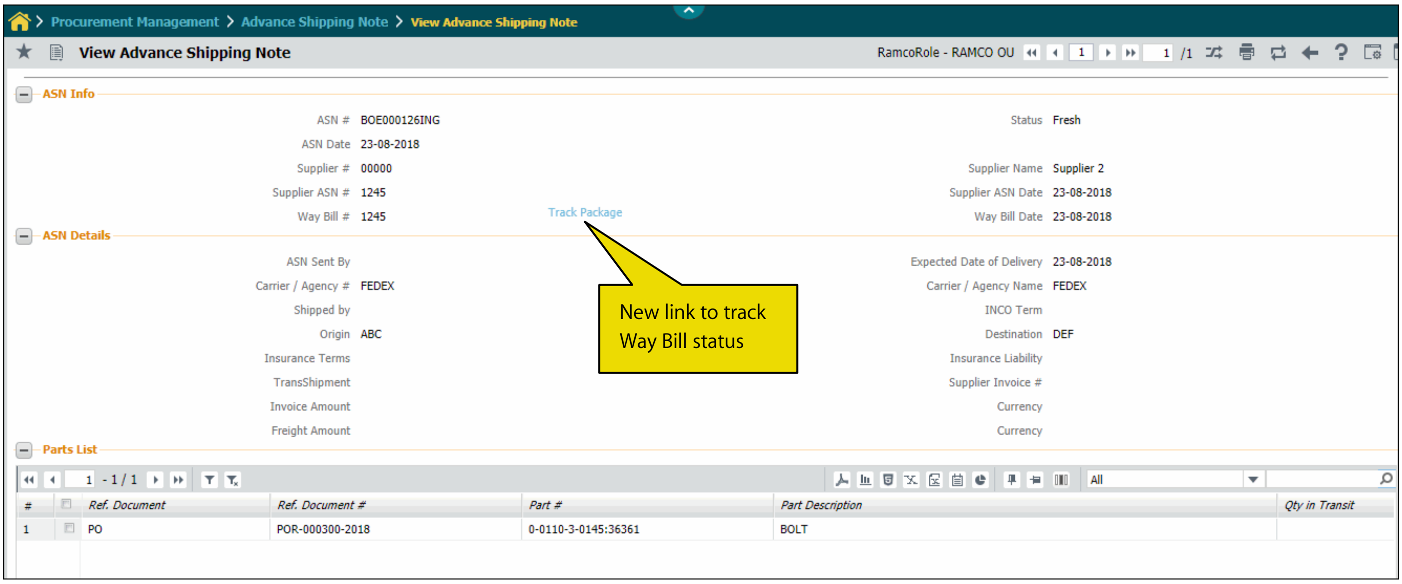
Background

This current enhancement provides the ability to launch the FedEx website to track the Way Bill status in Advance Shipping Note. This enables to easily track the package sent by the supplier.

Change Details

A new link 'Track Package' is added in the **View Advance Shipping Note** screen, next to the 'Way Bill #' field. This link will be visible only if the Carrier/Agency # is 'FedEx' and if there is an Active Account defined for 'Fedex' in the **Maintain Carrier Account Information** screen. On click of this link, the FedEx website will be launched by passing the Way Bill # as the Tracking Number.

Exhibit 1: Identifies the link addition **in View Advance Shipping Note**



WHAT'S NEW IN PART SUPPLY CHAIN PERFORMANCE?

Ability to view Part Consumption for 24 months

Reference: AHBG-24630

Background

Part Supply Chain performance provides details on the current supply and demand scenario for a part. This crucial information enables planners to evaluate the total demand for a part versus the availability in all warehouses and the ordered but-yet to-be received quantities of the part. Prompt supply of parts for maintenance of aircraft/components leads to minimum aircraft grounding time, which in turn proves profitable for the airline/MRO organization. Currently, the Part Supply Chain performance screen provides the break-up of the required part consumption details for a period of 12 months. The screen is enhanced to display the part consumption either for 12 months or 24 months based on set option, enabling the Warehouse/Stock personnel to accomplish efficient material planning and procurement.

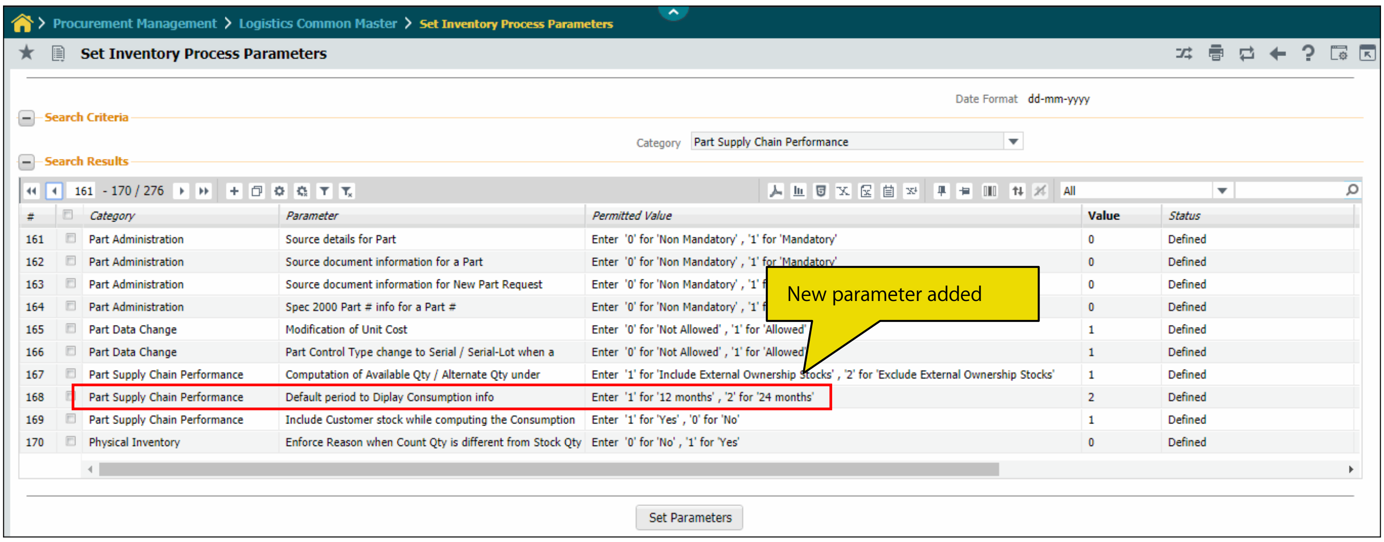
Change Details

Logistics Common Master

A new parameter ''**Default period to Display Consumption info**' is added under the Category 'Part Supply Chain Performance' in the **Set Inventory Process Parameters** activity of the **Logistics Common Master** business component.

- '1' (12 months) – System defaults the value '12 months' in the 'Display Consumption Info for' drop-down list box in the **Part Supply Chain Performance** screen.
- '2' (24 months) – System defaults the value '24 months' in the 'Display Consumption Info for' drop-down list box in the **Part Supply Chain Performance** screen.

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

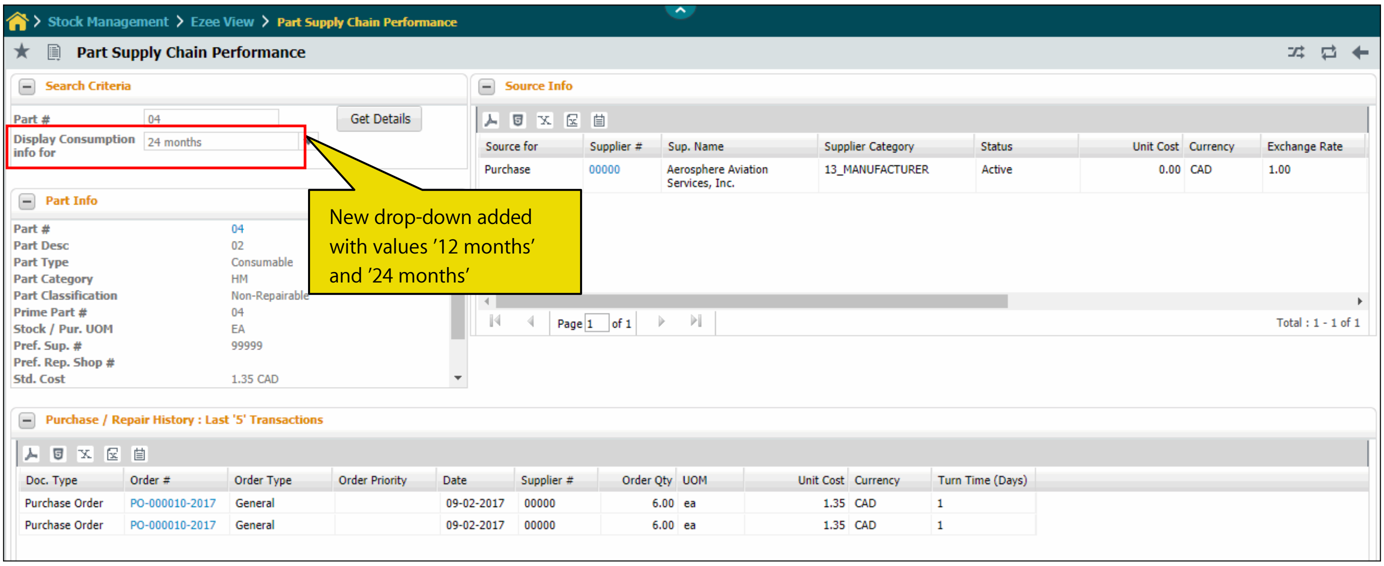


Stock Maintenance

A new drop-down list box ‘Display Consumption Info for’ is added in the **Part Supply Chain Performance** screen, with the values ’12 Months’ and ’24 Months’ to display the part consumption for 12 months and 24 months respectively. The drop-down defaults one of these values based on the above set option in the **Logistics Common Master**.

On click of Get Details button, based on the value selected in the drop-down list box, the consumption information for the main part and alternate part gets displayed.

Exhibit 2: Identifies the change in **Part Supply Chain Performance** screen



WHAT'S NEW IN GOODS INWARD?

Ability to default Received Mfr. Lot # based on a Numbering Type

Reference: AHBG-23401

Background

This enhancement provides the ability to have Received Mfr. Lot # generated based on a Numbering Type in the **Manage Goods Receipt** screen, instead of being generated with reference to Receipt or Ref. Document #.

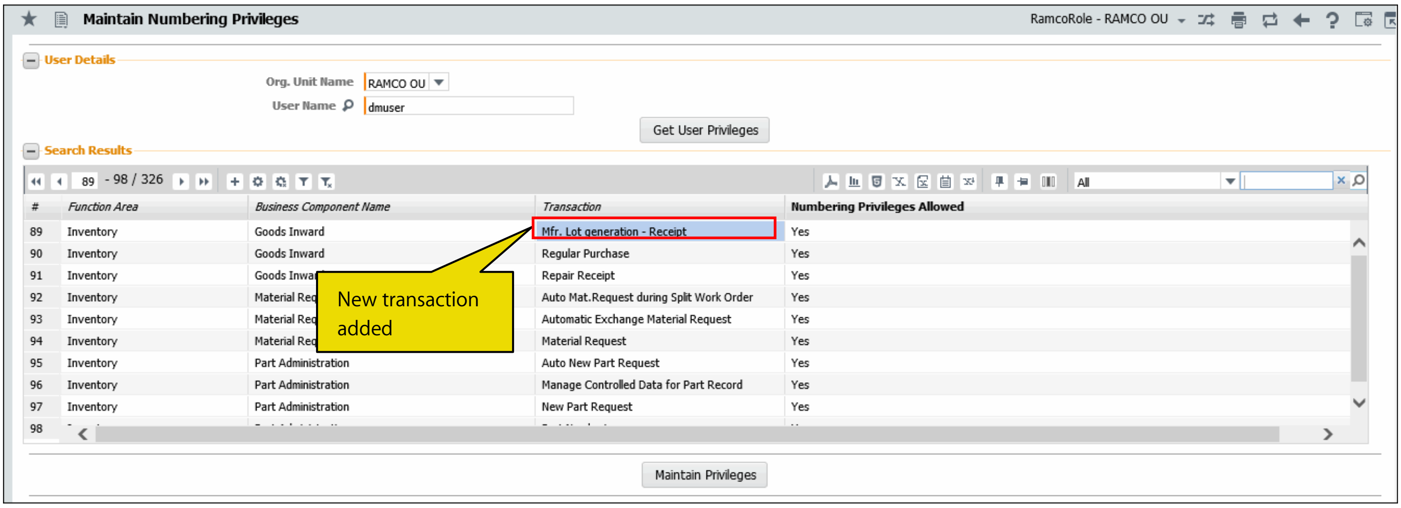
Change Details

Document Numbering Class

A new transaction 'Mfr. Lot generation – Receipt' has been introduced in the **Maintain Numbering Privileges** screen under the **Document Numbering Class** business component, to generate the 'Received Mfr. Lot #' in **Manage Goods Receipt** screen.

- **Screen**: Maintain Numbering Privileges
- **Transaction**: Mfr. Lot generation – Receipt
- **Business Component Name**: Goods Inward
- **Function Area**: Inventory

Exhibit 1: Identifies the **Maintain Numbering Privileges** screen in the **Document Numbering Class** business component

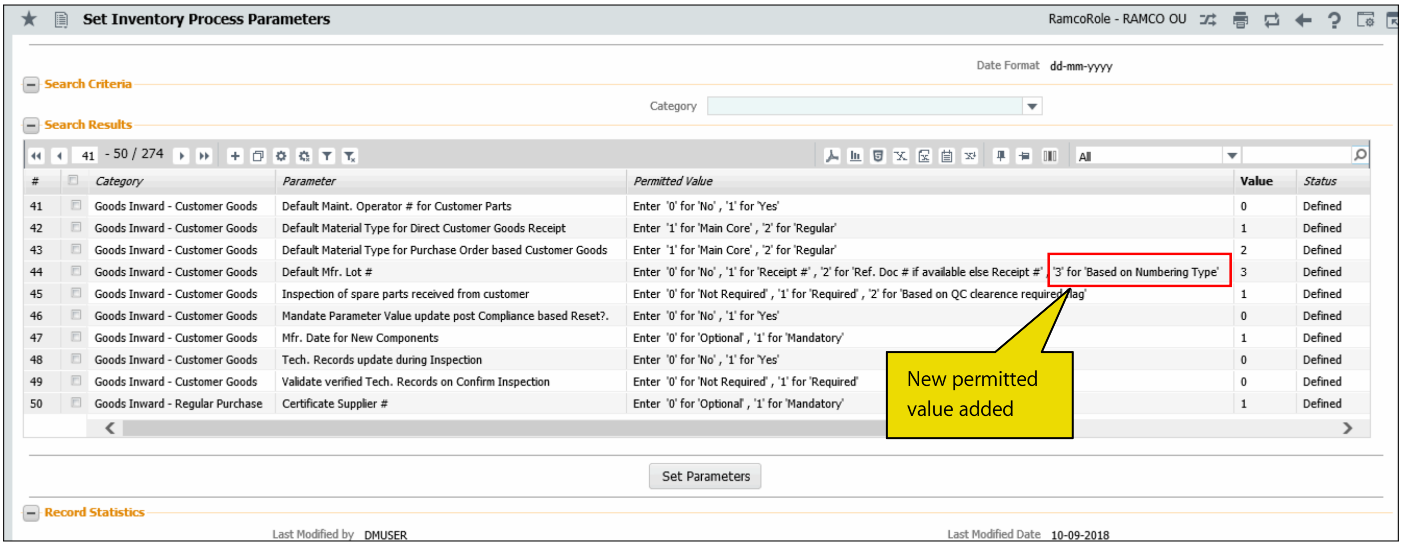


Logistics Common Master

The following set option is modified in the **Set Inventory Process Parameter** activity of the **Logistics Common Master** business component:

- The set option “Default Mfr. Lot #” under the category ‘Goods Inward-Customer Goods Receipt’, ‘Goods Inward-Regular Purchase’ and ‘Goods Inward-Repair Receipt’ is added with a new permitted value “‘3’ for ‘Based on Numbering Type’”.
    - ‘3’ for ‘Based on Numbering Type’ - System generates the ‘Received Mfr. Lot #’ in the **Serial/Lot Details** tab of the **Manage Goods Receipt** activity based on the Numbering Type defined.

Exhibit 2: Identifies the **Set Inventory Process Parameter** screen in the **Logistics Common Master** business component

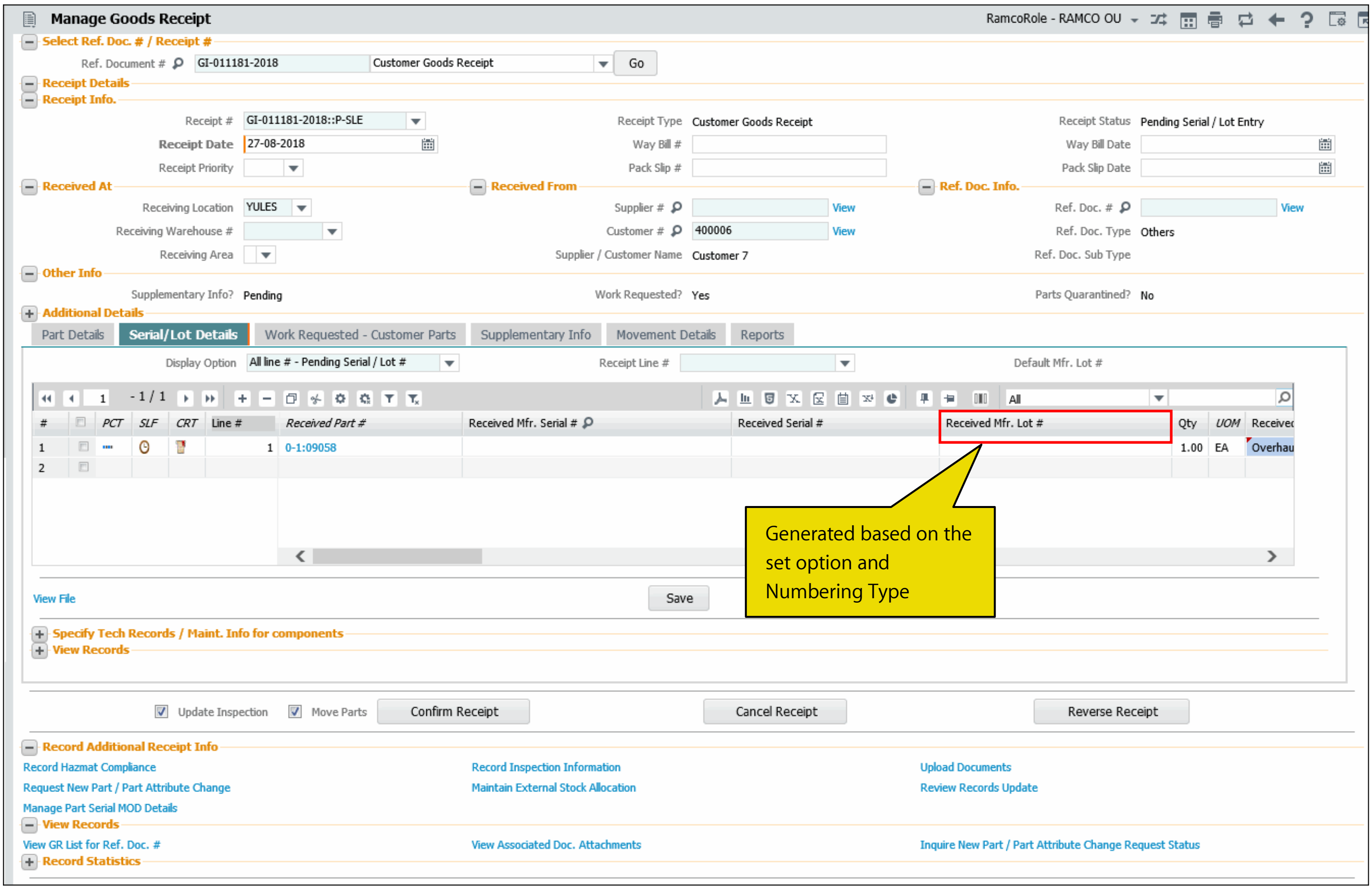


#	Category	Parameter	Permitted Value	Value	Status
41	Goods Inward - Customer Goods	Default Maint. Operator # for Customer Parts	Enter '0' for 'No' , '1' for 'Yes'	0	Defined
42	Goods Inward - Customer Goods	Default Material Type for Direct Customer Goods Receipt	Enter '1' for 'Main Core' , '2' for 'Regular'	1	Defined
43	Goods Inward - Customer Goods	Default Material Type for Purchase Order based Customer Goods	Enter '1' for 'Main Core' , '2' for 'Regular'	2	Defined
44	Goods Inward - Customer Goods	Default Mfr. Lot #	Enter '0' for 'No' , '1' for 'Receipt #' , '2' for 'Ref. Doc # if available else Receipt #' , '3' for 'Based on Numbering Type'	3	Defined
45	Goods Inward - Customer Goods	Inspection of spare parts received from customer	Enter '0' for 'Not Required' , '1' for 'Required' , '2' for 'Based on QC clearence required flag'	1	Defined
46	Goods Inward - Customer Goods	Mandate Parameter Value update post Compliance based Reset?.	Enter '0' for 'No' , '1' for 'Yes'	0	Defined
47	Goods Inward - Customer Goods	Mfr. Date for New Components	Enter '0' for 'Optional' , '1' for 'Mandatory'	1	Defined
48	Goods Inward - Customer Goods	Tech. Records update during Inspection	Enter '0' for 'No' , '1' for 'Yes'	0	Defined
49	Goods Inward - Customer Goods	Validate verified Tech. Records on Confirm Inspection	Enter '0' for 'Not Required' , '1' for 'Required'	0	Defined
50	Goods Inward - Regular Purchase	Certificate Supplier #	Enter '0' for 'Optional' , '1' for 'Mandatory'	1	Defined

Goods Inward

On save of the serial / lot information in the **Serial/Lot Details** tab of the **Manage Goods Receipt** activity in the **Goods Inward** business component, the system generates the ‘Received Mfr. Lot #’, based on the Numbering Type defined for the transaction ‘Mfr. Lot generation – Receipt’ and the newly added set option value in the **Set Inventory Process Parameter** activity, as explained above.

Exhibit 3: Identifies the **Manage Goods Receipt** screen in the **Goods Inward** business component



WHAT'S NEW IN PART SALE CONSIGNMENT?

Ability to generate Consignment Part Sale Order, Consumption Reporting and manual invoice generation

Reference: AHBG-20892

Background

In certain business scenarios, MRO keeps their stock in customer's location / warehouse and on consumption of the respective parts, bill is raised to the customer based on the consumption report shared by them. Provision is required to generate Consignment Sale Order and record invoice against respective Sale Order. This enhancement facilitates the user to maintain separate Part Pricelist # for consignment sales at each customer level and allows generating sale order. Also, provision is given to generate invoice manually based on Part Sale Order along with reference of Consignment Report. The enhancement supports the following features:

- Ability to maintain separate Part Pricelist # for consignment sales at each customer level.
- Ability to generate Consignment Part Sale Order.
- Ability to record the consumption report against the Consignment Sale Order based on customer input.
- Provision to generate invoice manually based on Part Sale Order along with reference of Consignment Report.

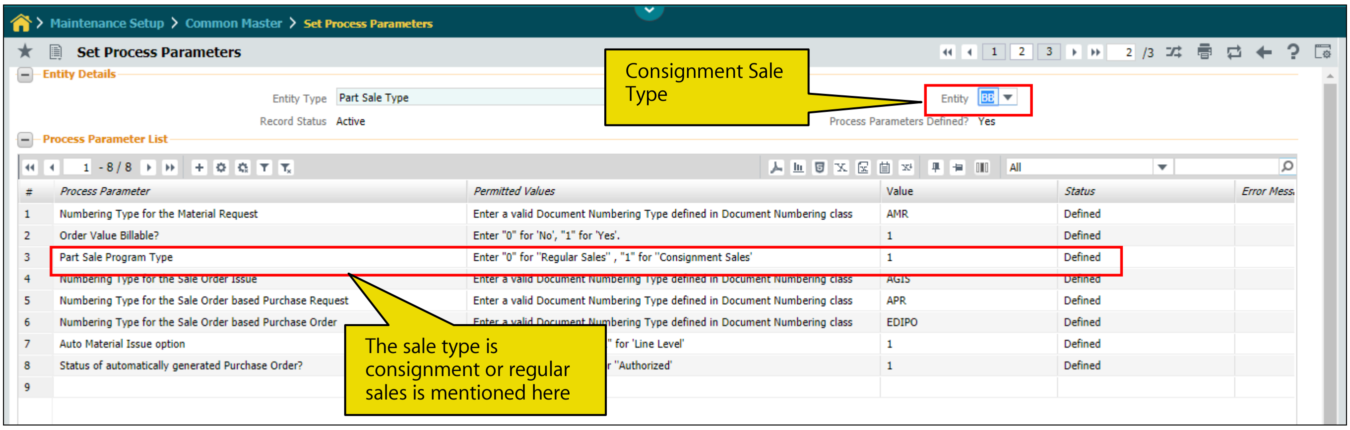
Change Details

1. <u>MANAGING CUSTOMER PART SALE PROGRAMS FOR CONSIGNMENT SALES</u>

<u>Common Master</u>

A new option 'Part Sale Program Type' is added under the Entity Type 'Part Sale Type' in the **Set Process Parameters** screen of the **Common Master** business component. The value of the parameter can set as either '0' or '1' to set the Part Sale Type as 'Regular Sales' or 'Consignment Sales' respectively.

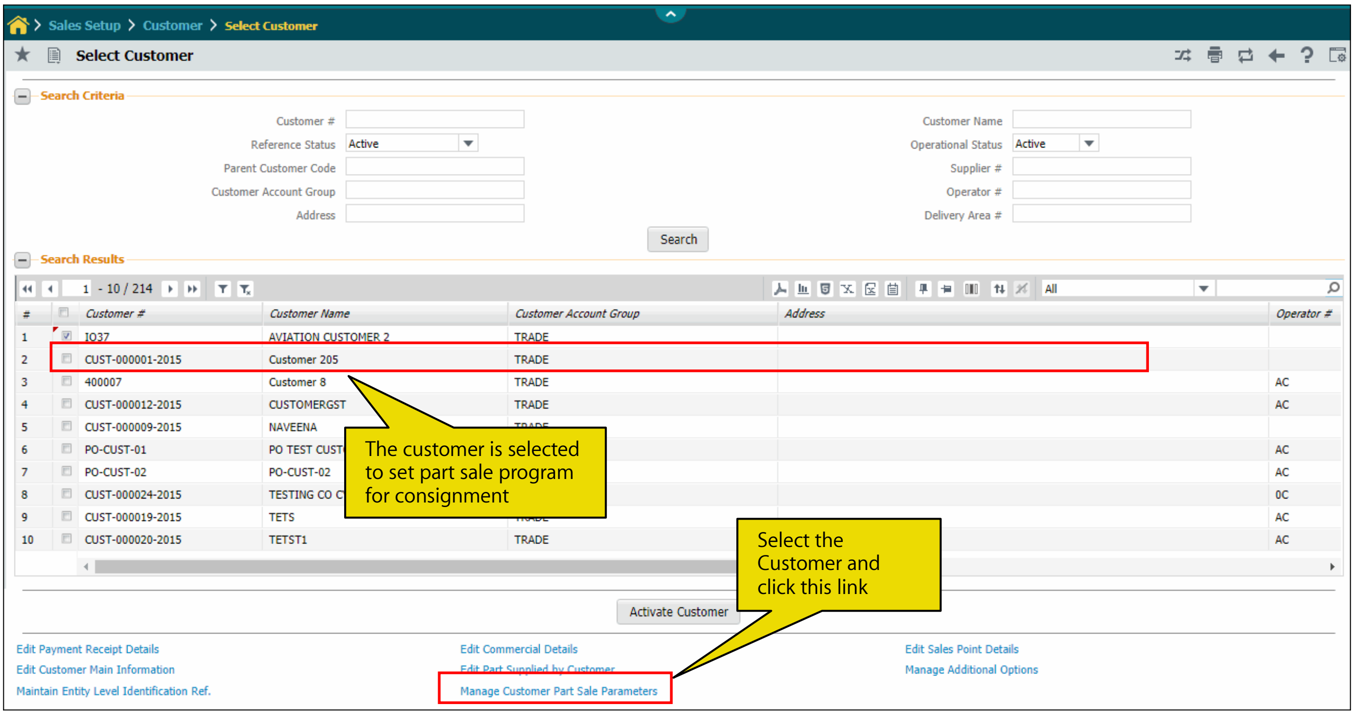
Exhibit 1: Identifies the set option in **Set Process Parameters** screen



<u>Customer</u>

A new screen **Manage Customer Part Sale Parameters** is added as a link in the Select screen of the **Edit Customer Record** activity in the **Customer** business component. See **Exhibit 2**.

Exhibit 2: Identifies the link addition in **Select Customer screen**



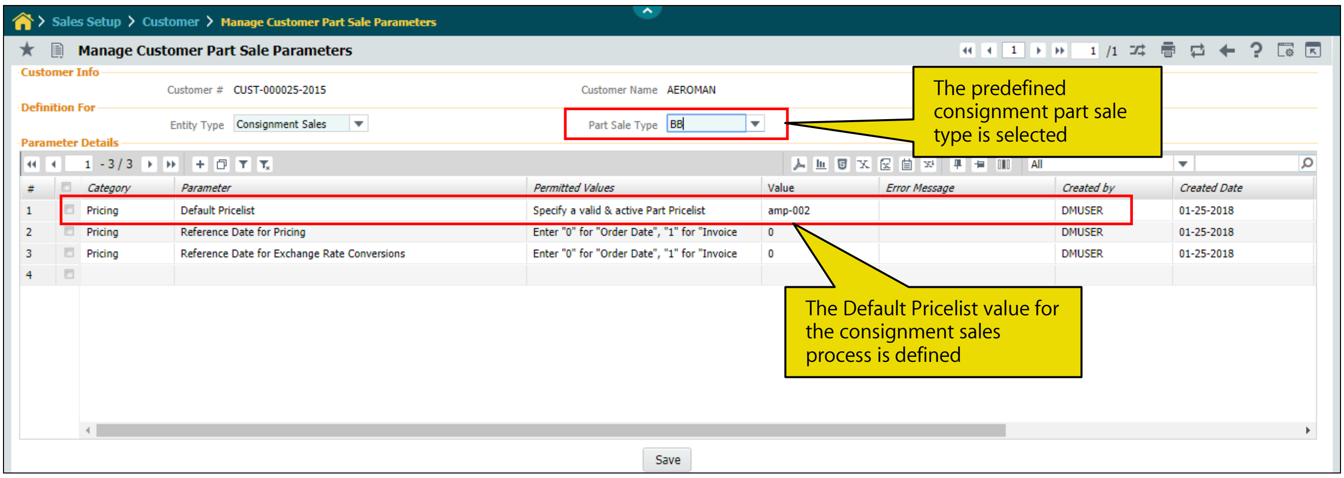
i. The **Manage Customer Part Sale Parameters** screen enables to map the Customer # to the consignment part sale type and the part price list. Refer **Exhibit 3**.

ii. Entity Type is defined as 'Consignment Sales'.

iii. The Part Sale Program Type defined as 'Consignment' in the **Set Process Parameters** screen is selected in the 'Part Sale Type' drop-down list box.

iv. The part price list for the selected consignment sales process is entered against the parameter 'Default Pricelist' in the 'Parameter Details' multiline.

Exhibit 3: Identifies the **Manage Customer Part Sale Parameters** screen



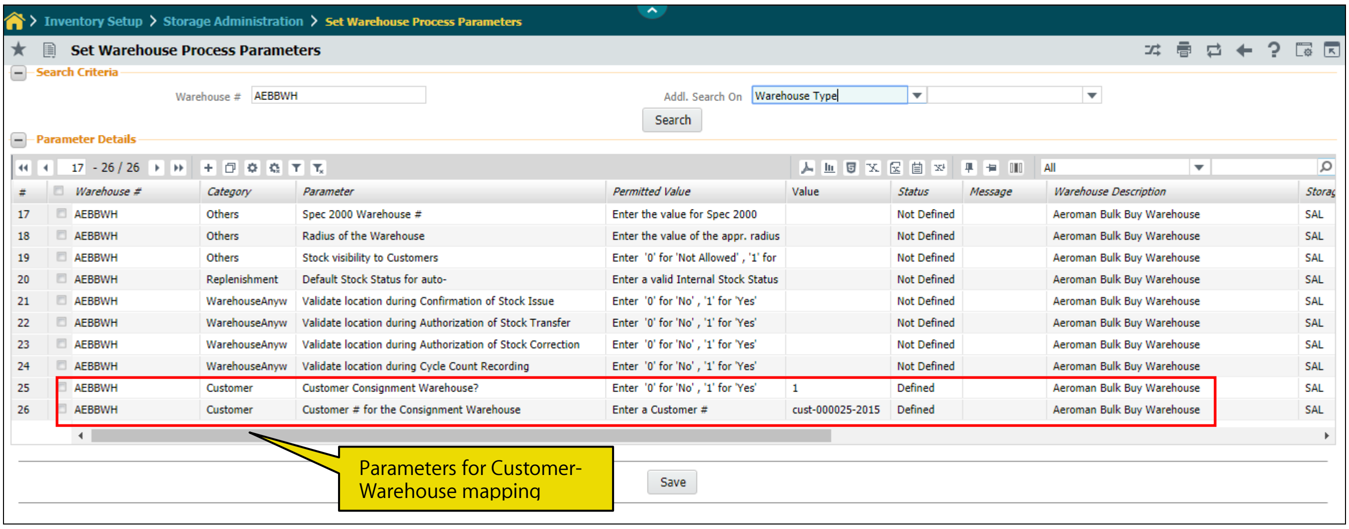
2. CONSIGNMENT PART SALE ORDER GENERATION

Storage Administration

When a consignment part sale order is created and processed there has to be some mapping done at the sale order level to make the process streamlined and linear. There is a mapping between the customer #, sale type and the part price list to fetch the part price list when the appropriate sale type and customer # is selected in the Part Sale Order screen. In the Part Sale Order, the value for the Source can only be selected as 'Regular Procurement' if the Part Sale Type selected is a Consignment sale. Also, the Warehouse # in the Part Sale Order is validated to be mapped to the Customer. The following parameters have been added to define the Warehouse # - Customer # mapping.

i. The **Set Warehouse Process Parameters** screen in the **Storage Administration** business component, enables mapping customer to the Consignment Warehouse, with the following parameter settings (**Exhibit 4**):
   - **'Customer consignment Warehouse'** must be set as '1'.
   - Customer # must be entered against the parameter **'Customer # for the consignment warehouse'.**

Exhibit 4: Identifies the set option for mapping Customer to Consignment Warehouse in **Set Warehouse Process Parameters** screen



Manage Part Sale Order

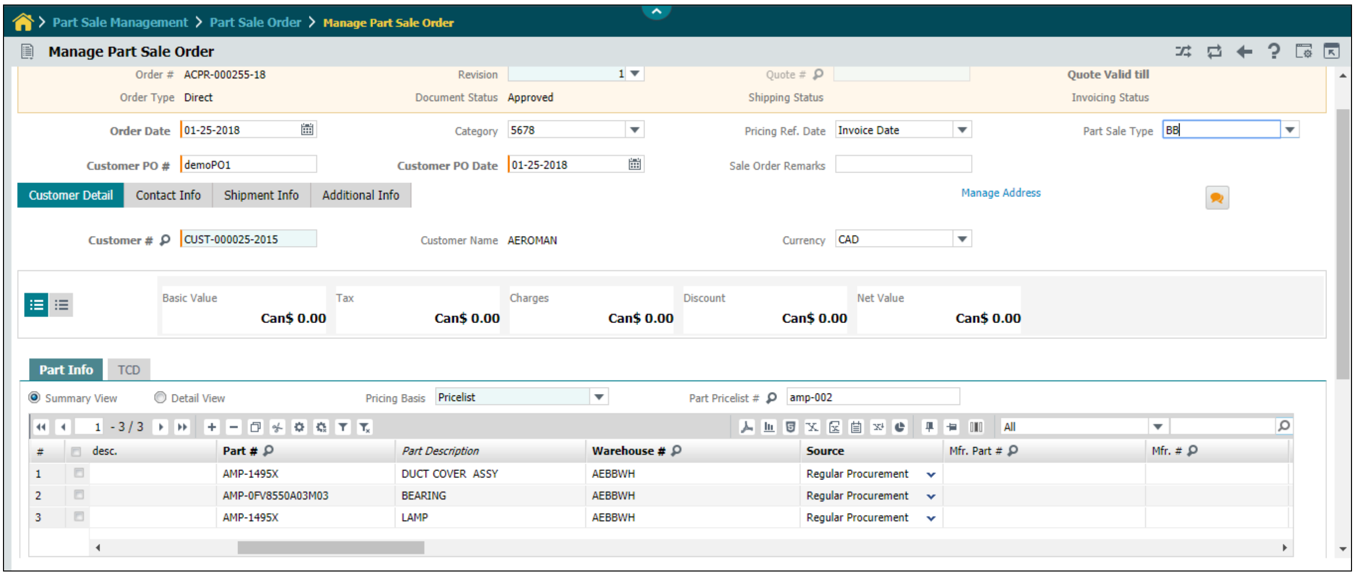
i. Part sale type for the Customer # must be selected and Default Pricelist must be specified in the **Manage Customer Part Sale Parameters** screen (**Exhibit 3**), to maintain the mapping between Customer #, Part Sale Type and Part Price List.

ii. After the Customer # - Warehouse mapping and Customer # - Part Sale Type - Part Price List, in the Manage Part Sale Order screen, enter the Customer # and select the Part Sale Type. See Exhibit 5.

iii. The pre-mapped part price list is fetched automatically.

iv. When the warehouse is entered in the Warehouse # field, the system checks for the mapping present between the consignment warehouse and the customer and validates.

Exhibit 5: Identifies the **Manage Part Sale Order** screen



3. REPORTING CONSUMPTION AGAINST A CONSIGNMENT SALE ORDER

Stock Issue

A new screen **Manage Consignment Consumption Reporting** is introduced in **Stock Issue** business component to record the periodic consumption report against the Part Sale Order based on customer input. Once the consumption information is entered here and confirmed, issue is automatically generated in confirmed status. Therefore the Manage consignment consumption reporting screen is the launch screen for auto issue function.

i. The **Manage Consignment Consumption Reporting** screen where the consumption data is recorded, has three modes of operation: 'Record', 'Modify' and 'View'.

Record Mode:

ii. In the 'Record' mode, enter the details such as Reporting Date, Category, Reporting for and Customer # fields at header level. See **Exhibit 6.**

iii. At multiline level, enter the details of the part which has been reported as consumed by the customer, such as Mft. Lot # / Mfr. Srl. #, consumed Quantity and the Warehouse from which the part was consumed.

iv. Click the **'Get part sale order ref.'** to view the part sale orders pegged against the part consumed, the pegging mechanism follows **FIFO** logic.

v. Click the **Save** button is clicked to create the consumption report. At this stage any errors such as part not available, part quantity not present, Mfr. # varying are displayed and the status is shown as error.

vi. Only on clearing all the validations, the consumption report status changes to 'Fresh' upon saving. Any valid changes can be made in the consumption report when it is in 'Fresh' status.

vii. Click the **Confirm** button to confirm the consignment consumption report. Upon confirmation, an Unplanned Issue will be generated in Confirmed status to issue the Parts out of Warehouse.

viii. Once the consignment consumption report is confirmed and issue is generated, no change can be done to revert any material issue or alter any quantity.

Modify & View Mode:

ix. In 'Modify Mode', the consumption report in the 'Fresh' status can be modified. See **Exhibit 7.**

x. In 'View Mode', the consignment consumption reports that are created and either in 'Fresh' or 'Confirmed' status can be viewed.

xi. The part sale orders pegged against the part are displayed in Ref. Details field and the Unplanned issues created after confirmation of consumption report are displayed in the Addl. Ref. Doc. # field.

Exhibit 6: Identifies the **Manage Consignment Consumption Reporting** screen in 'Record' mode

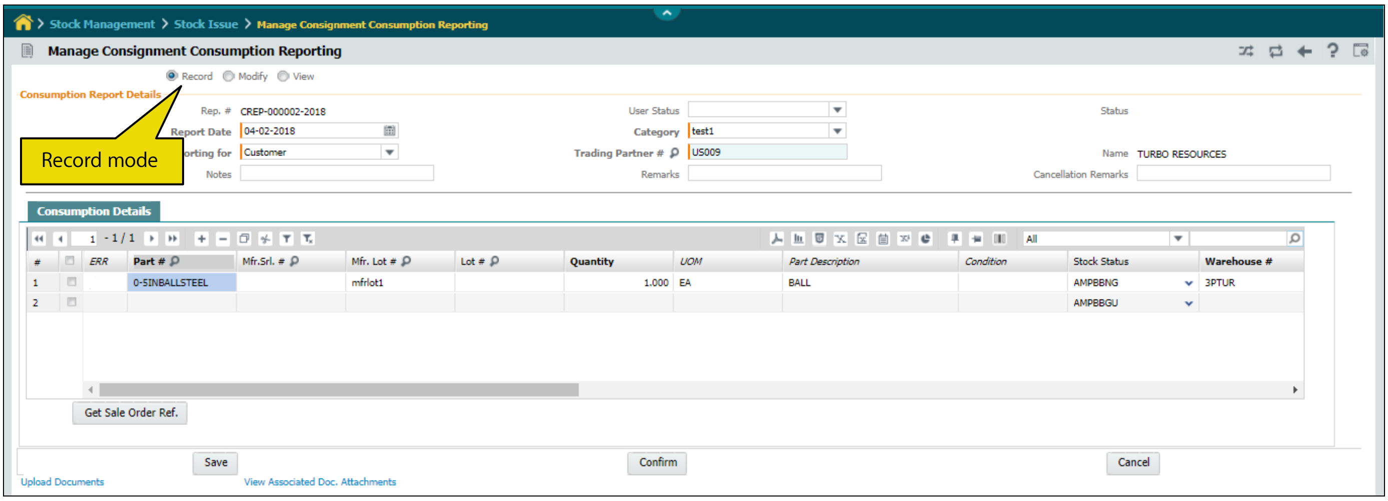
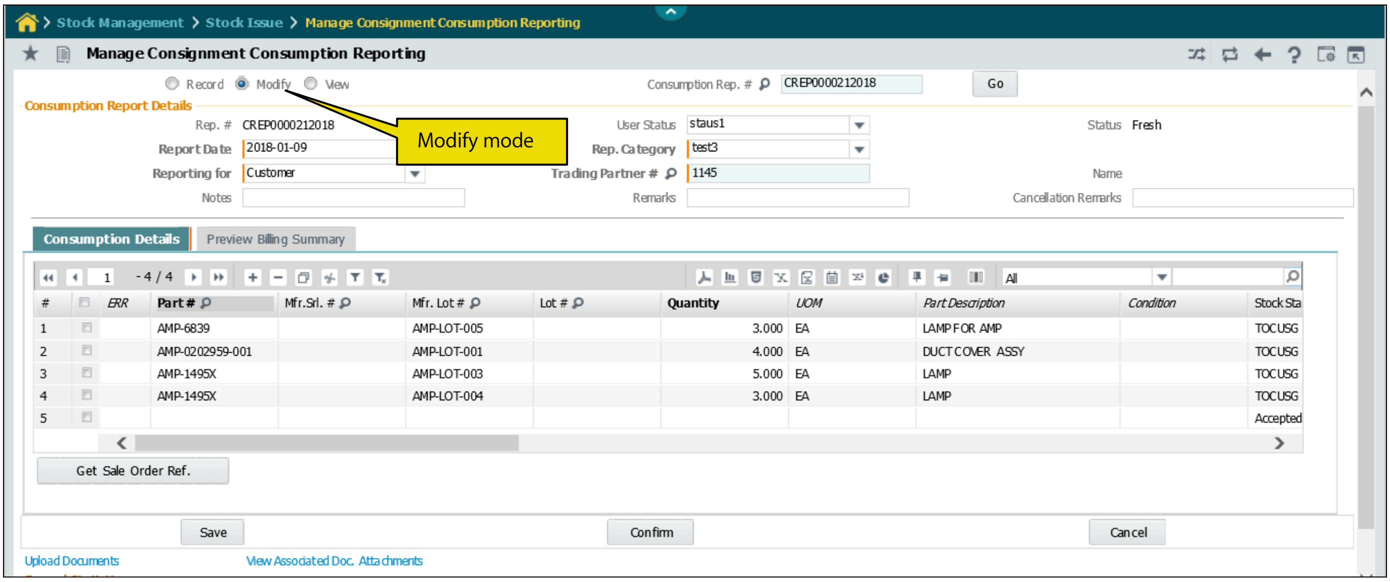


Exhibit 7: Identifies the **Manage Consignment Consumption Reporting** screen in 'Modify' mode



4. GENERATING PART SALE INVOICE AGAINST CONSIGNMENT

Customer Direct Invoice

Once the parts in the part sale order are issued to the customer, the customer has to be invoiced for the parts issued against a consumption report. The part sale invoices are created in draft mode based on the consumption report number or part sale order number as reference. The invoices are grouped according to the consumption report numbers and then processed.

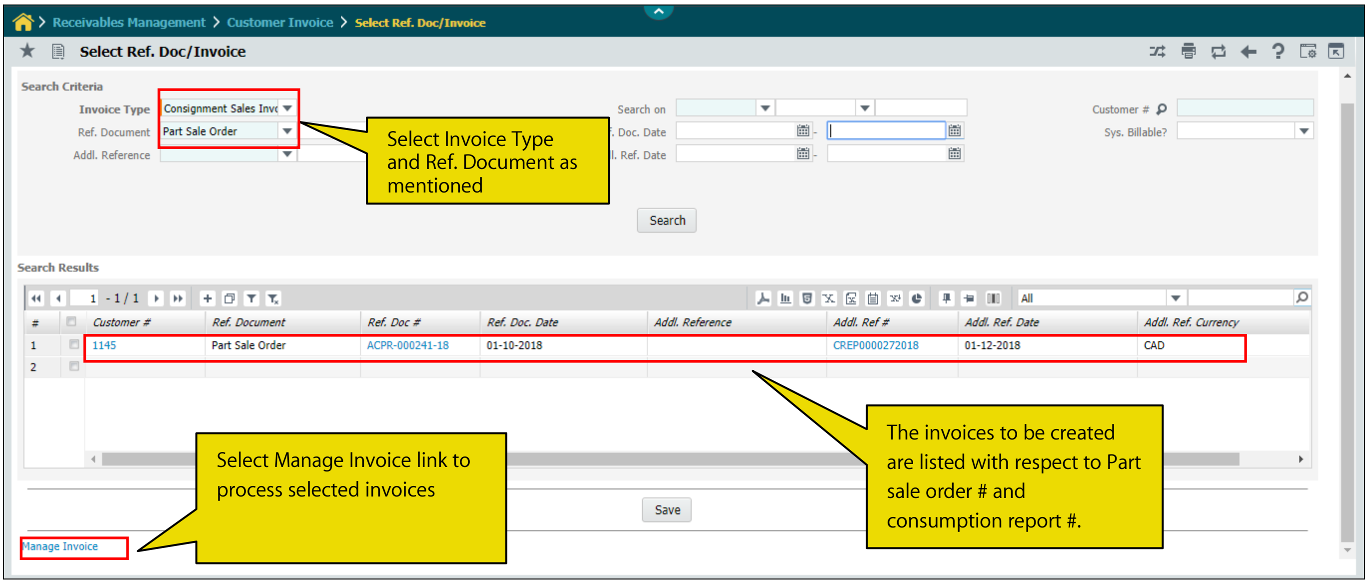
i. In the select screen **Select Ref. Doc / Invoice** of the **Manage Pack slip / Bill back Invoice** activity under the **Customer Direct Invoice** business component, an Invoice Type 'Consignment Invoice' is added. See **Exhibit 8**.

ii. The Ref. Document is selected as 'Part Sale Order' and the respective filters are applied.

iii. On search, all the unprocessed invoices for a particular consumption report are displayed in the multiline.

iv. Users can select the invoice generated in 'Draft' status against the part sale order number or the consumption report number and then select **Manage Invoice** link to launch the **Manage Pack slip / Bill back Invoice** screen to process the selected invoices.

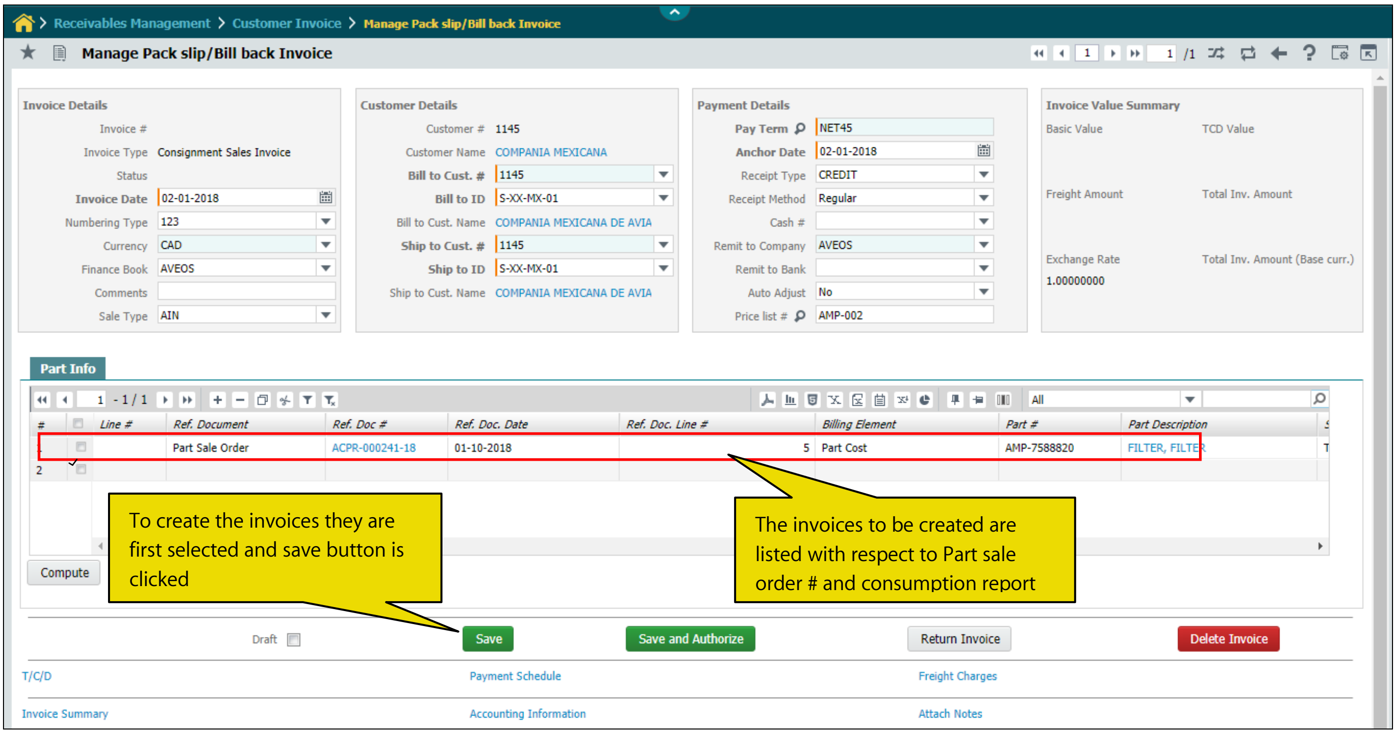
Exhibit 8: Identifies the **Select Ref. Doc / Invoice** screen



v. In the **Manage Pack slip / Bill back Invoice** screen, user can process the invoices selected in the select screen. See **Exhibit 9**.

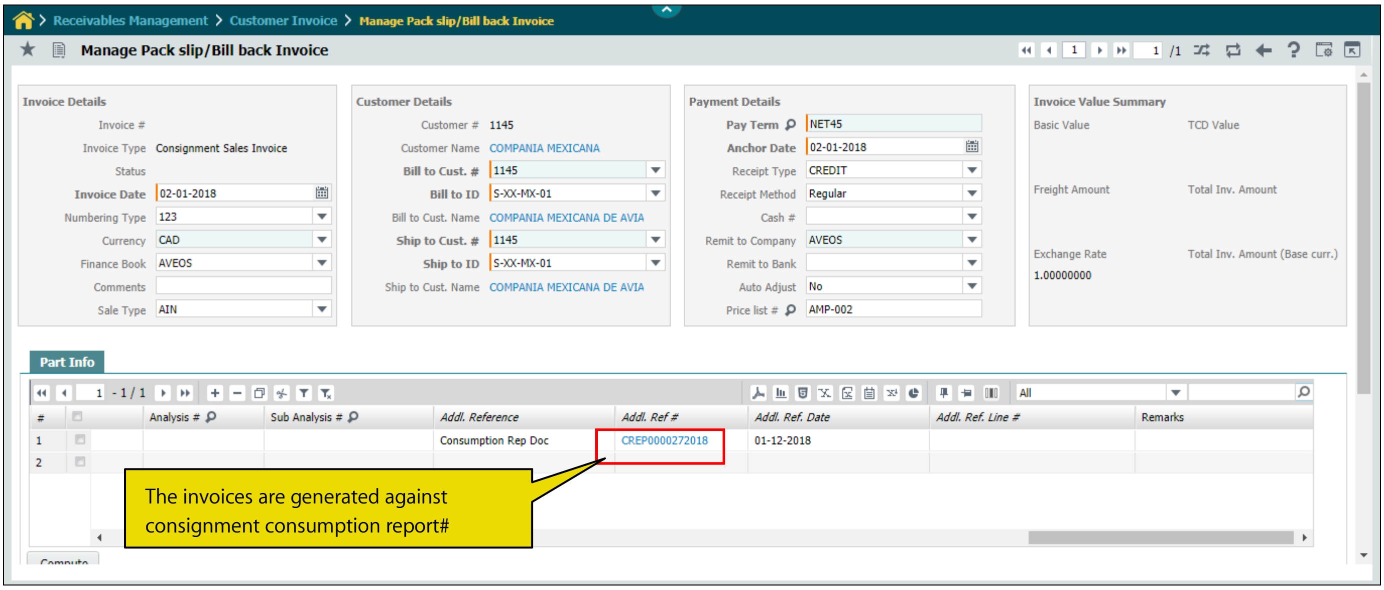
vi. The invoice lines in draft are selected, proposed invoice quantity is entered (partial invoicing allowed) and save button is clicked for the creation of the invoice.

Exhibit 9: Identifies the **Manage Pack slip / Bill back Invoice** screen for processing the selected invoices



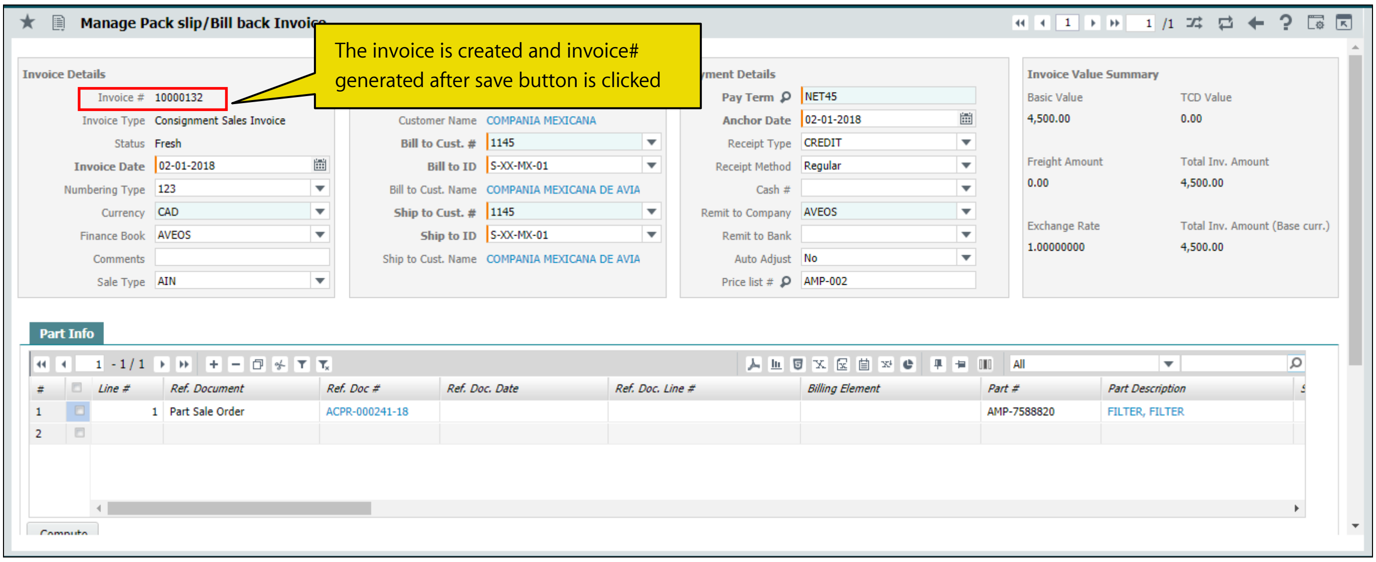
vii. The invoice line is fetched against consumption report number as shown below and is currently in draft mode. (**Exhibit 10**).

Exhibit 10: Identifies the invoice fetched against the consumption report number



viii. Upon saving the invoice, the invoice number is generated as shown below in **Exhibit 11**.

Exhibit 11: Invoice number generated upon saving of the selected invoices in draft



ix. Invoice is authorized in the screen Authorize invoice as show in **Exhibit 12**.

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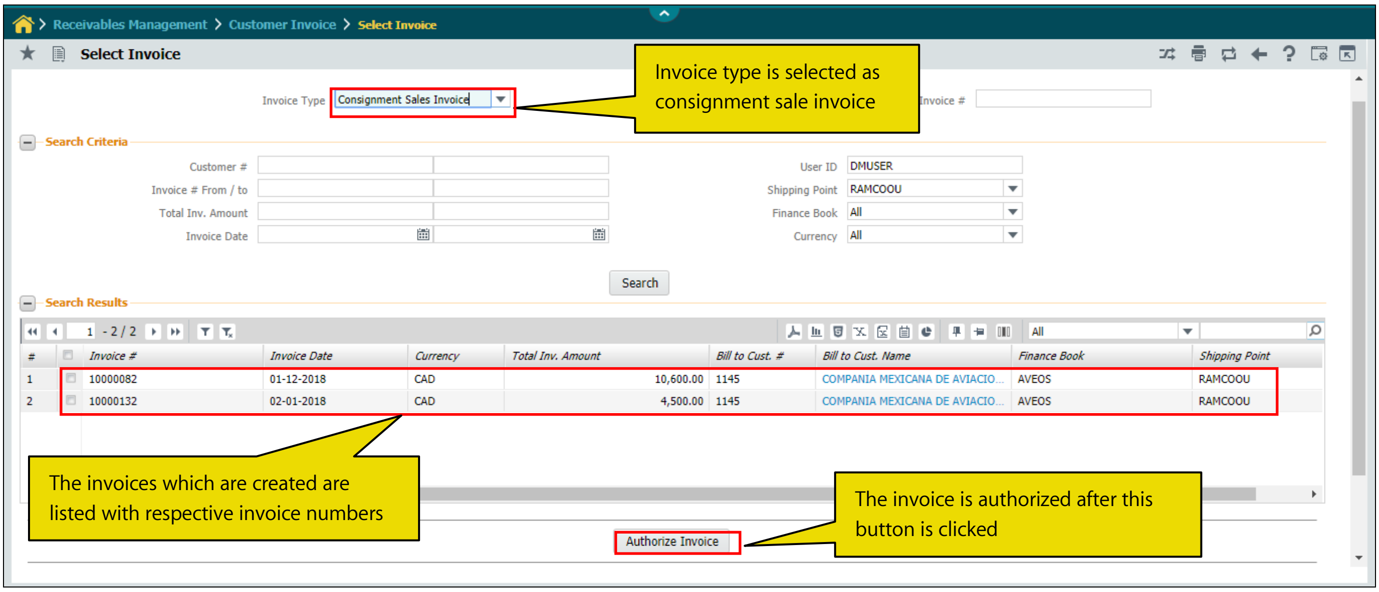
Exhibit 12: Identifies the **Authorize Invoice** screen to authorize the consignment invoice



Corporate Office and R&D Center

Ramco Systems Limited,
64, Sardar Patel Road, Taramani,
Chennai – 600 113, India
Office + 91 44 2235 4510 / 6653 4000
Fax +91 44 2235 2884
Website - www.ramco.com