RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.9

Materials

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Ramco Aviation Solution

contents

contents

contents

contents

contents

WHAT'S NEW IN CUSTOMER PART EXCHANGES?

Ability to evaluate a Pool and identify the Requesting Warehouse for a Customer Exchange Request

Reference: APRP-706

Background

Exchanges are a common activity in MRO and ITM organization. Whenever customer asks for exchange of a certain Part, it gets established through the Exchange Order document in Ramco M&E. If customer is not concerned about the specific serial # that needs to be issued, the Exchange Order gets automatically confirmed, along with placing the Material Request to track the Customer Request in the Serviceable Requesting Warehouse mapped to the Work Center where the repair of the Customer Core unit shall happen.

ITM Organizations mostly manage the customer requests through Inventory Pooling. With the introduction of the provision to define and manage Pools in Ramco M&E, it now becomes essential to handle the Customer Requests for Exchange and Sales by placing the Material Request in a Warehouse identified through the appropriate Pool.

This enhancement will provide the provision to identify the Pool for a Customer Exchange/Sale Request and also the provision to identify the Requesting Warehouse using the Pool.

Change Details

1. A new screen **Maintain Warehouses for Customer Requests** is added as a link in the **Maintain Pool Information** activity of the **Pool Management** business component. The Requesting Warehouse for Exchange and Part Sale Requests from customer can be defined in this new screen for the Customer #, Contract #, Pool ID, Requesting Station/Delivery Point combination.

2. A new set option "Top assembly Exchanges serviced through Pool?" is added under the **Operational Parameters Tab** in the **Edit Terms of Execution** screen in the **Manage Sale Contract** activity.

    a. If this option is set as 'Required', then during approval of a Customer Order involving Top Assembly exchange, the Pool will be evaluated based on the Customer #, Contract #, Part #, Requesting Station and Delivery Point. Once the pool is identified, the Requesting Warehouse will further be identified using the Pool ID.

    b. If the option is set as 'Not required', the Requesting Warehouse will be identified without pool evaluation through the definition in the **Maintain Warehouses for Customer Requests** screen or through the existing Work Center-Warehouse Mapping or through the definition of Default Warehouse for the Requested Part # in the **Maintain Planning Information** screen based on the options, 'Requesting Warehouse identification basis for Exchange Requests' and 'Consider Part Level Default Warehouse as Requesting Warehouse for Exchange Requests in absence of Request/Return Warehouse definition and Work center-Warehouse Mapping'.

    ✐ *Note: When multiple pool gets evaluated or Pool cannot be identified or when Multiple Requesting Warehouses get evaluated or Warehouse cannot be identified, the Exchange Order will be generated in Draft status with appropriate Remarks in the Core Details tab.*

3. Similarly, for the Pool evaluation for Part Sales request, option setting is added in the **Manage Additional Options** screen in the **Customer** business component. In case Pool evaluation is set as 'Not required' for Part Sales Request, the Requesting Warehouse can be identified through the definition in **Maintain Warehouses for Customer Requests** screen or the default warehouse definition in the **Maintain Planning Information** screen in **Part Administration** business component. The identification of Pool/Warehouse for Part Sale Requests happens on creation of the Part Sale Order itself, unlike on approval in case of Customer Exchange Requests.

Exhibit 1: Maintain Warehouses for Customer Requests screen

Exhibit 2: Set Inventory Process Parameters screen

Exhibit 3 Manage Additional Options screen:

WHAT'S NEW IN STOCK DEMAND MANAGEMENT?

Ability to define and manage the Stock Allocation Rules and handle Allocation

Reference: APRP-59, APRP-294, APRP-602, APRP-697

Background

Whenever parts are requested, available stock will be automatically allocated against the Material Requests and Issue will be generated for the same. The Serial/Lot #s that are available in stock gets allocated as per the Allocation Strategy defined for the part. When parts are requested by Customer for Exchange/Sale purposes, before directly applying Allocation Strategy, it is essential to ensure that the Serial/Lot #s issued to them satisfies the standard conditions defined by them. Currently, this is manually evaluated which is a time consuming activity.

Business need is to provide a provision to define these standard conditions as Allocation Rules and consider the same during automatic allocation of the parts. Also, a need to have the allocation strategy based on the Parameter value of a part is available.

Change Details

Logistics Common Master

A new parameter "Allocation of Stock based on Stock Allocation Rules" is added under the Category 'Stock Demand Management" in the **Set Inventory Process Parameters** screen. The following are the permitted values:

- '0' (Not Required) – Allocation of stock is not done based on Stock Allocation Rules.

- '1' (Required) - Allocation of stock is done based on Stock Allocation Rules.

Exhibit 2: Identifies the **Manage Stock Allocation Rules** screen
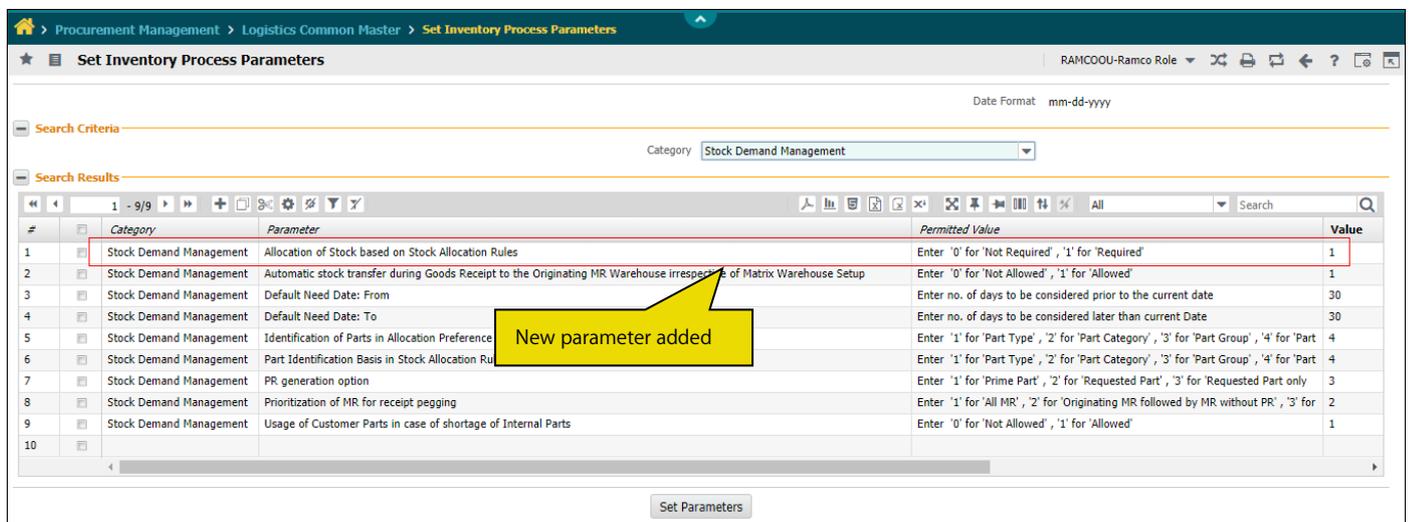
Stock Demand Management

A new activity and screen **Manage Stock Allocation Rules** is introduced under the component **Stock Demand Management**, which enables to define various Allocation Rules which in turn gets evaluated when a part is requested in the Material Request. Allocation Rules are defined using attributes of Part/Material Request like Customer #, Contract #, Part #, etc. Various parameters by which the allocation rules can be defined are:

- Component TSN
- Component TSO
- Component TSI
- Component TSR
- Component CSN
- Component CSO
- Component CSI
- Component CSR
- Component Age(Days)
- Component Age(Months)
- Component Age(Years)
- Certificate Type
- Certificate Age(Days)
- Certificate Age(Months)
- Certificate Age(Years)
- Component Condition
- Aircraft Age(Days)
- Aircraft Age(Months)
- Aircraft Age(Years)
- Aircraft TSN
- Aircraft CSN
- Remaining Life (% of Ultimate Life)
- Remaining Life (Lead Parameter)
- Remaining Shelf Life(Days)
- Remaining Shelf Life(Months)
- Remaining Shelf Life(Years)
- Component TSN (% of Aircraft TSN)
- Component CSN (% of Aircraft CSN)
- PMA Usage
- Deviated Parts Usage
- Time Parameter
- Cycle Parameter
- Part Tech. Data Req. Compliance?
- Mod #

Exhibit 1: Identifies the **Manage Stock Allocation Rules** screen
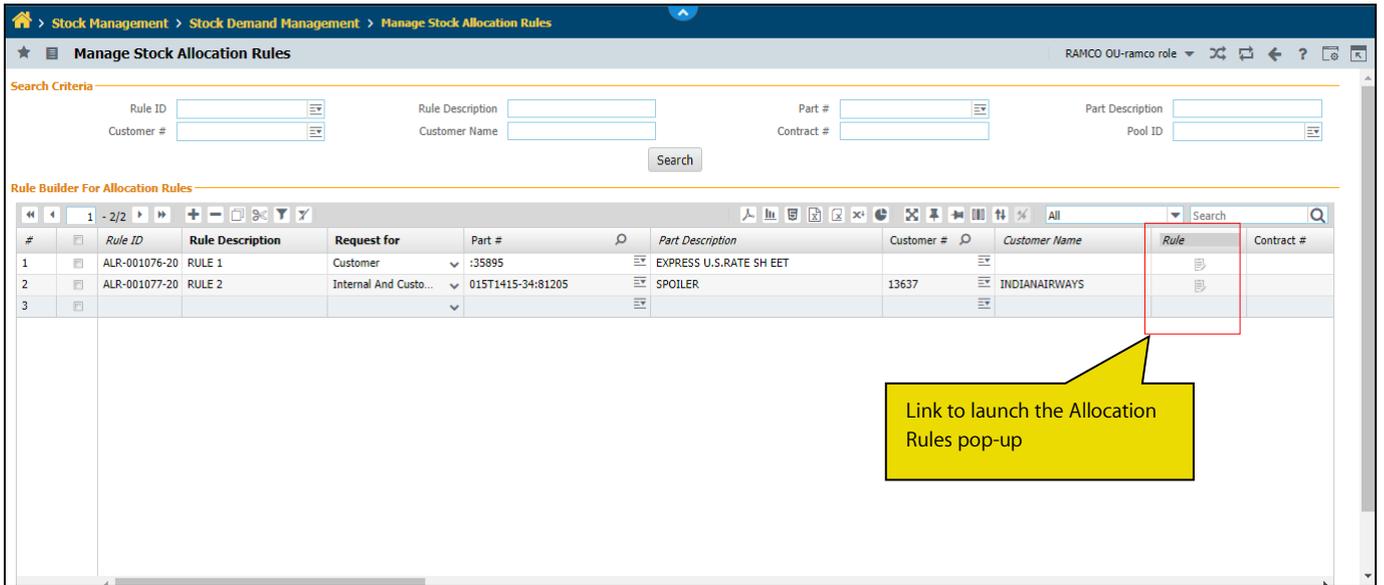
A new pop-up UI "Allocation Rules" with an integrated advanced J-Query control provides the user the ability to define the rules with multiple parameters and their different combinations.

Exhibit 2: Identifies the **Allocation Rules** pop-up screen
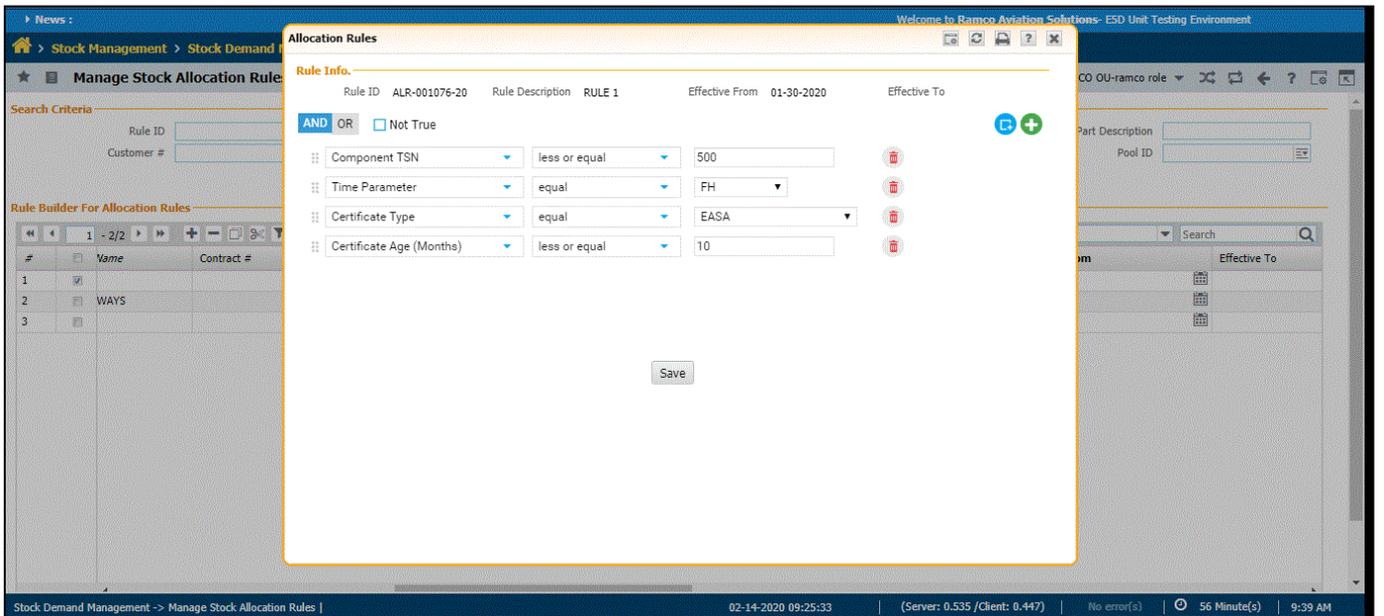
✎   *Note: Based on the value defined for the option, 'Part Identification Basis in Stock Allocation Rules' in Set Inventory Process Parameters screen, rule can be defined using either Part # or Part Type or Part Group or Part Category.*

✎   *It will be ensured that for a given Request For value, the conditions based on which allocation rules are defined are same for all the rules. For example, if a Rule is defined with Part # - Customer # combination for Request for as 'Internal', then for all the rules defined with Request for as 'Internal', the rule should be for the Part # - Customer # combination.*

Whenever a material request is authorized, if the value for the option 'Allocation of Stock based on Stock Allocation Rules' is set as Required, the allocation rule applicable for the Part # requested in the Material Request will be evaluated and only those stock that meets the parameters defined in the Rule ID identified will be available for allocation against the Material Request. Within the available stock, allocation strategy will be applied to the extent of the Requested quantity. If there are no allocation rules applicable, then the stock will be allocated directly on Allocation Strategy basis. If there is no stock satisfying the allocation rule parameters, stock will not be allocated for the Material Request.

In the "Allocation Strategy" combo in **Maintain Planning Information** screen under **Part Administration** business component, values 'Maximum Lead Parameter Value' and 'Minimum Lead Parameter Value' are added. These when set, will allocate parts based on its Since New value defined for the lead parameter, set in the **Maintain Maintenance Info for Part** screen under **Aircraft** business component.

> ✎ *Note: If there are multiple Serial #s with the same Since New value, the allocation will happen on FIFO basis to the extent of Requested Qty. The Serial #s without any Since New value will not be considered for allocation and allocation for the MR needs to be manually managed.*

Exhibit 3: Identifies the **Maintain Planning Information** screen
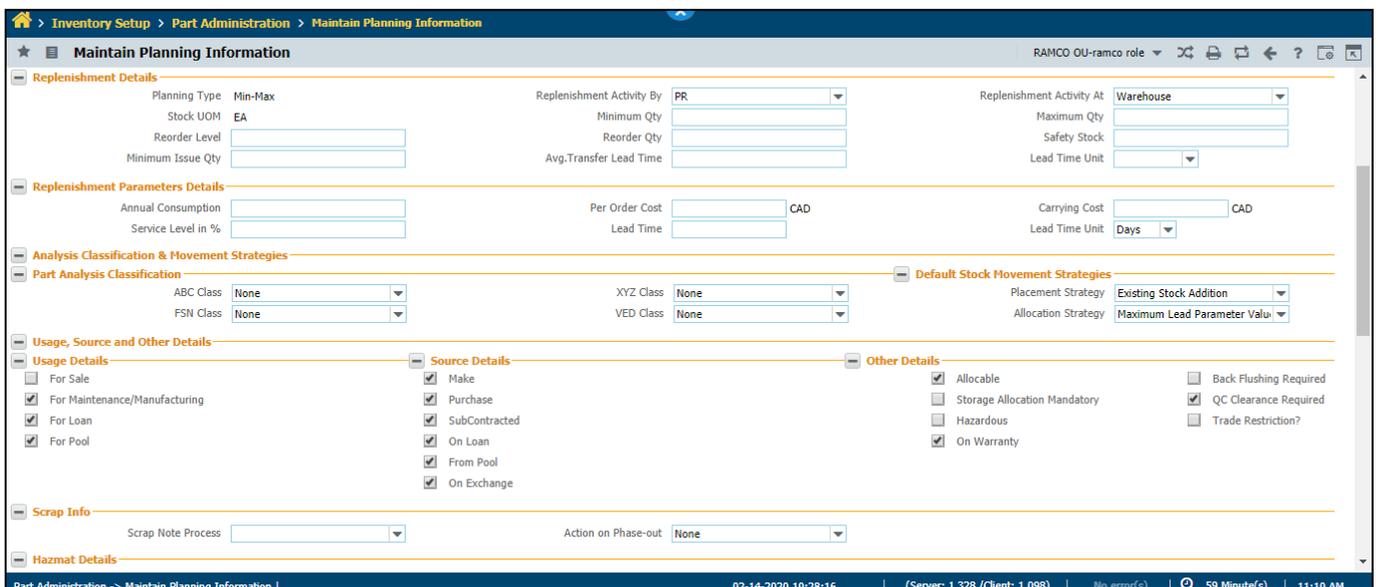
Demand Management Hub – A hub to track a Material Request from Planning till Closure

Reference: APRP-32, APRP-33, APRP-686, APRP-696

Background

Material planning for the Open Material Requests is currently supported in Ramco M&E, through **Plan Materials** screen. This screen provides the provision to plan a Material Request through Purchase Request, Stock Transfer, Direct Issue or Make Work Order. However, the life of a Material Request in this screen ends once it is planned. Many a times, it is the responsibility of a Material Planner to track the Material Request till closure. Currently, if a Material Planner wants to track the Planned Material Requests, it is required to get into individual Material Request document.

Business need is to provide a hub for the Material Planner where the end to end life cycle of Material Request document could be tracked. Also, there should be provision to efficiently represent the available stock for planning, in multiple Material Requests are available for the same part, which is not available today in Plan Materials screen.

Change Details

A new activity **Demand Management Hub** is added in the **Stock Demand Management** business component. The Demand Management Hub caters the following needs:

- Plan the Material Requests that are open due to non-availability of Stock.

- Simulate Material Request Allocation through open Sourcing Documents.

- View and Follow-Up on the Order documents (through Collaborator) covering the Material Requests.

Material Requests can be retrieved in the Demand Hub through three ways:

- **List View:** View the Material Requests by filtering them as per the pre-defied filtered arrived based on the stage of a Material Request document in its life cycle

    o **To Be Assigned** displays the list of Material Requests which are unassigned to specific Planners (through Employee Code) (This category will be displayed only if 'To be Assigned' is set in the ' Sub-Categories to be displayed in Status List' option in **Set Inventory Process Parameters** screen).

    o **To be Planned** displays the list of Material requests assigned to the Planner who has logged in or all the Material Requests that are pending to be planned (i.e.) Issue/PR/Stock Transfer/Make Work Order/Repair Order is not associated to few Quantity, if planning is not mandatory.

    o **Planned MR** displays the list of Material requests for which the documents that are used for Planning are not yet closed.

    o **In Purchase Request** displays the list of Material requests for which Purchase Requests that are yet to be converted as Purchase Orders are available.

    o **Under Order** displays the list of Material requests for which Purchase/Repair/Stock Transfer Orders that are yet to be received are available.

    o **Under Receiving** displays the list of Material requests for which either Goods Receipt/Repair Receipt/Stock Transfer Receipt is in-progress.

o **Under Issue** displays the list of the Material requests for which Issue document is yet to be confirmed.

o **Under Shipment** displays the list of the Material requests for which Shipping Notes are generated, but are pending to be confirmed or Shipping Note is yet to be created.

Exhibit 1: Demand Management Hub (List View)

- **Alert View:** View the Material Requests by filtering them as per the pre-defied filtered arrived based on the Key areas where Planners attention will be most required

o **AOG Request** displays the list of Material requests of AOG priority which are yet to be planned.

o **Alert Request** displays list of Material requests that are yet to be planned, with their Need Date within the Alert days defined in the parameter "Number of days before Need Date to display Material Request in Alert Requests" set in the User Preference by the login user.

o **Overdue Request** displays the list of Material requests that are yet to be planned with their Need Date lesser than or equal to the current date.

o **AOG Order** displays the list of Material requests of AOG priority which has been planned, but is yet to be closed.

o **Alert Order** displays list of Material requests falling in alert window that are already planned.

o **Overdue Order** displays the list of Material requests, which are Overdue, but have been already planned.

Exhibit 4: Demand Management Hub (Alert View)

✎   **Note:** *Display of Pre-Defined filters and the Material Requests in Demand Management Hub is governed through option settings available under the category 'Demand Management Hub' in* **Set Inventory Process Parameters** *screen and values defined in* **User Preferences** *screen defined at Login User level from the* **Demand Management Hub.** *Pre-Defined filters (including Package Type, Shop Work Order Type, Warehouse #, Work Center #, Processing Status, Ref. Document Type, Customer #, Customer Name, Part #, Part Description, Part Type, Part Category, Part Planning Group, A/C Reg. #, A/C Model #, MR Class, MR Type, MR Category, MR User Status and Priority) with which the Material Requests are distributed among multiple planners can be defined in the User Preferences screen. The following are such option settings available.*

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User Preference Options:

Parameter For	Parameter	Permitted Values
Default Options	Category to be defaulted	Enter '1' for 'Status List', '2' for 'Alerts and Exceptions' and '3' for 'Search'
Display Options	Sub-Categories to be displayed in Status List	Enter '1' for 'To be Assigned', '2' for 'To be Planned', '3' for 'Open MR', '4' for 'Purchase Request', '5' for 'Under Order', '6' for 'Under Receiving', '7' for 'Under Issue', '8' for 'Under Shipment' (Use Comma Separator for multiple values)
Default Options	Sub-Categories to be defaulted in Status List	Enter '1' for 'To be Assigned', '2' for 'To be Planned', '3' for 'Open MR', '4' for 'Purchase Request', '5' for 'Under Order', '6' for 'Under Receiving', '7' for 'Under Issue', '8' for 'Under Shipment'
Display Options	Sub-Categories to be displayed in Alerts and Exceptions	Enter '1' for 'AOG Requests', '2' for 'Alert Requests', '3' for 'Overdue Requests', '4' for 'AOG Order', '5' for 'Alert Order ', '6' for 'Overdue Order ' (Use Comma Separator for multiple values)
Default Options	Sub-Categories to be defaulted in Alerts and Exceptions	Enter '1' for 'AOG Requests', '2' for 'Alert Requests', '3' for 'Overdue Requests', '4' for 'AOG Order', '5' for 'Alert Order ', '6' for 'Overdue Order '
Configuration Options	Number of days before Need Date to display Material Request in Alert Requests	Number of days before Need Date to display Material Request in Alert Requests
Sort Options	Sort Sequence of Material Requests	Enter the sort sequence using comma separator (Enter '1' for 'Need Date', '2' for 'Requested Date', '3' for 'MR 'Class')
Sort Options	Preferred Sort Order for sort by Need Date	Enter '1' for 'Ascending', '2' for 'Descending'
Sort Options	Preferred Sort Order for sort by Requested Date	Enter '1' for 'Ascending', '2' for 'Descending'
Sort Options	Preferred Sort Order for sort by MR Class	Enter the sort sequence using comma separator (Enter '1' for 'Maintenance', '2' for 'General', '3' for 'Maintenance')

Exhibit 3: Manage Screen Defaults and preference
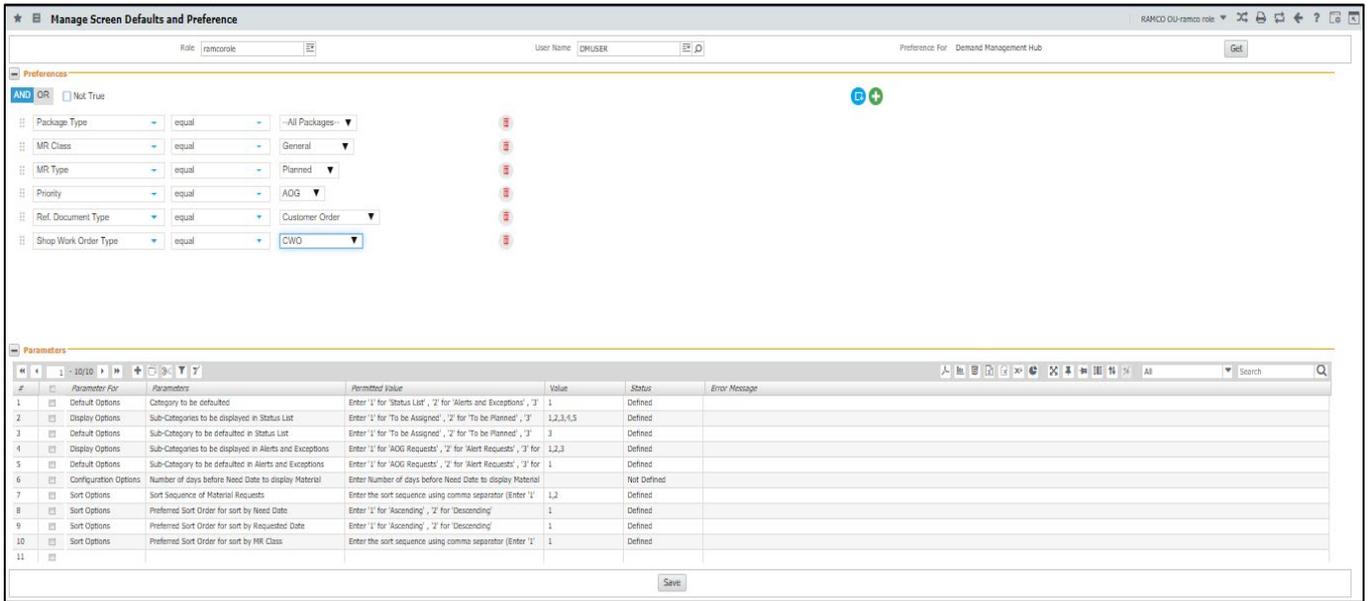
Set Inventory Process Parameters Options:

Category	Parameter	Permitted Values
Demand Management Hub	Category to be defaulted	Enter '1' for 'Status List', '2' for 'Alerts and Exceptions' and '3' for 'Search'
Demand Management Hub	Sub-Categories to be displayed in Status List	Enter '1' for 'To be Assigned', '2' for 'To be Planned', '3' for 'Open MR', '4' for 'Purchase Request', '5' for 'Under Order', '6' for 'Under Receiving', '7' for 'Under Issue', '8' for 'Under Shipment' (Use Comma Separator for multiple values)
Demand Management Hub	Sub-Categories to be defaulted in Status List	Enter '1' for 'To be Assigned', '2' for 'To be Planned', '3' for 'Open MR', '4' for 'Purchase Request', '5' for 'Under Order', '6' for 'Under Receiving', '7' for 'Under Issue', '8' for 'Under Shipment'

Exhibit 4: Set Inventory Process Parameters screen

Planning In Demand Management Hub:

Material requests displayed in the To be Planned list can be planned either using Propose Allocation action or through taking the Planning Options link.

- **Propose Allocation:** On click of the propose allocation against the material request will display the suggestion of the stock that available in same warehouse and matrix warehouse based on the allocation rules. The available options for a MR-Part # will be displayed in a tree structure along with the corresponding action. Unlike Plan Materials screen, where multiple clicks needs to be performed, all the actions can be completed in a single click post this proposal. For instance, if a MR has 10 EA to be planned, Material Planner can initiate Stock Transfer from multiple warehouses, direct issue from the same warehouse and a Purchase Request all in one click, **Initiate Actions**. Over the stock proposed for allocation, the stock available in any open Repair Orders can be retrieved from the Planning Options link.

- **Planning Options link:** On click of the planning option against the material request, will launch the **Help on Material Planning** which will list the stock available in the same warehouse, alternate warehouse (as defined in the **Set Options** screen in **Stock Demand Management** business component) and all warehouse defined in organizational level. The list of Open Repair Orders for the Part # in the Material Request will also be displayed in the Planning Options screen.

Exhibit 5: Help on MR Planning Option

Exhibit 6: Planning in Demand Hub

Once the actions are identified, either through Planning Options link or through Propose Allocation, the actions can be accomplished by click of 'Initiate Action' button. On click of the same, the documents will be removed from the To Be Planned list to the extent of the Quantity planned. The actions will be accomplished by an offline scheduler and the documents generated will be notified to the planner through the automated Collaborator message against the Material Request document, if the option 'Post a Collaborator Message on Successful generation of the Document to the User' is set as 'Required' in the **Set Inventory Process Parameters** screen. If the notification is not required, the documents could be viewed in the respective list filters post generation.

WHAT'S NEW IN REPAIR ORDER MANAGEMENT?

Ability to view Repair Order in different stages of its life cycle in RO Hub

Reference: APRP-43

Background

Business need is to provide a hub to track and view the Repair Order in different stages of its life cycle. Repair Order Hub will support Create, Edit, Record Quote and Authorize Orders and enables take all actions against a Repair Order in one place. Currently, only viewing of Repair Orders is supported in the hub. The RO hub provides visibility of Repair Orders in different statuses grouped by their statuses and exceptions, thus ensuring quick update on exceptions such Overdue Orders and track them efficiently.

Change Details

Repair Order Hub

A new component and an activity **Repair Order Hub** is added in the **Repair Order Management** business process. The Orders are listed on the basis of Status and all the details of Repair Orders like Priority, Repair Shop #, Amendment # Part Info can be viewed in the Repair Order Hub.

Exhibit 1: Identifies the **Repair Order Hub** screen

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Logistics Common Master

The following parameters are added in the **Purchase Option Settings** activity of the **Logistics Common Master** business component:

Category	Parameter	Permitted Values
Repair Order Hub	Category to be defaulted	Enter '1' for 'Repair Orders List', '2' for 'Repair Order Exceptions'
Repair Order Hub	Sub-Categories to be displayed in Repair Orders List	Enter '1' for 'Draft Orders', '2' for 'Fresh Orders', '3' for 'Released Orders', '4' for 'Shipped Orders', '5' for 'Quoted Orders', '6' for 'Amendment Pending Confirmation', '7' for 'Quotes Pending Authorization', '8' for 'Execution In progress', '9' for 'Closed Orders', '10' for 'AOG Orders'
Repair Order Hub	History Period to be considered to display Repair Orders, if no criteria is provided (in Number of months)	Enter positive integer from 1 to 3

Exhibit 2: Identifies the parameter added under Category 'Repair Order Hub' in **Purchase Option Settings** screen
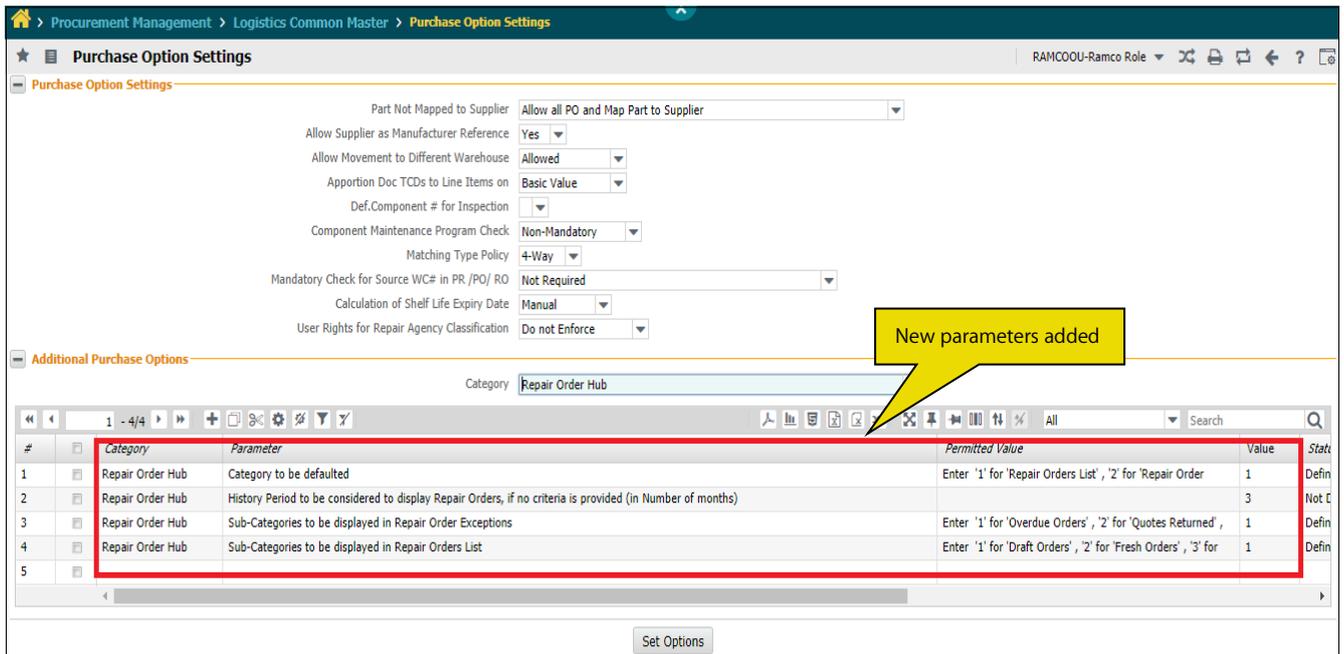
The following parameters are displayed in the **Manage Screen Defaults and Preference** Activity of the **User Preference** Business component, when it is launched from Repair Order Hub.

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Parameter For	Parameter	Permitted Values
Default Options	Category to be defaulted	Enter '1' for 'Repair Orders List', '2' for 'Repair Order Exceptions'
Display Options	Sub-Categories to be displayed in Repair Orders List	Enter '1' for 'Draft Orders', '2' for 'Fresh Orders', '3' for 'Released Orders', '4' for 'Shipped Orders', '5' for 'Quoted Orders', '6' for 'Amendment Pending Confirmation', '7' for 'Quotes Pending Authorization', '8' for 'Execution In progress', '9' for 'Closed Orders', '10' for 'AOG Orders' (Use Comma Separator for multiple values)
Default Options	Sub-Category to be defaulted in Repair Orders List	Enter '1' for 'Draft Orders', '2' for 'Fresh Orders', '3' for 'Released Orders', '4' for 'Shipped Orders', '5' for 'Quoted Orders', '6' for 'Amendment Pending Confirmation', '7' for 'Quotes Pending Authorization', '8' for 'Execution In progress', '9' for 'Closed Orders', '10' for 'AOG Orders'
Display Options	Sub-Categories to be displayed in Repair Order Exceptions	Enter '1' for 'Overdue Orders', '2' for 'Quotes Returned', '3' for 'Quarantined Receipts', '4' for 'Customer Quote Rejections', '5' for 'Alert Orders' (Use Comma Separator for multiple values)
Default Options	Sub-Category to be defaulted in Repair Order Exceptions	Enter '1' for 'Overdue Orders', '2' for 'Quotes Returned', '3' for 'Quarantined Receipts', '4' for 'Customer Quote Rejections', '5' for 'Alert Orders'
Configuration Options	Number of days before Repair Shop Shipping Date to display Repair Order in Alert Orders	Enter an integer from 0 to 30
Sort Options	Sort Sequence of Repair Orders	Enter the sort sequence using comma separator ('1' for 'Repair Shop Shipping Date', '2' for 'Created Date', '3' for 'Priority', '4' for 'Shop Job Type', '5' for 'Ref. Document Type')
Sort Options	Preferred Sort Order for sort by Repair Shop Shipping Date	Enter '1' for 'Ascending', '2' for 'Descending'
Sort Options	Preferred Sort Order for sort by Created Date	Enter '1' for 'Ascending', '2' for 'Descending'
Sort Options	Preferred Sort Order for sort by Priority	Enter '1' for 'Ascending', '2' for 'Descending'
Sort Options	Preferred Sort Order for sort by Shop Job Type	Enter the sort sequence using comma separator ('1' for 'Component', '2' for 'Piece Part', '3' for 'Facility')
Sort Options	Preferred Sort Order for sort by Ref. Document Type	Enter the sort sequence using comma separator ('1' for 'A/C Maint. Exe. Ref.', '2' for 'Shop Work Order', '3' for 'Customer Order', '4' for 'Others')
Sort Options	Resolution Responsibilities identified in Repair Receipts for Quarantine Resolution	Enter valid Resolution Responsibility as defined in Manage Logistics Quick Codes screen

Exhibit 3: Identifies the parameter added in the **Manage Screen Defaults and Preferences** screen
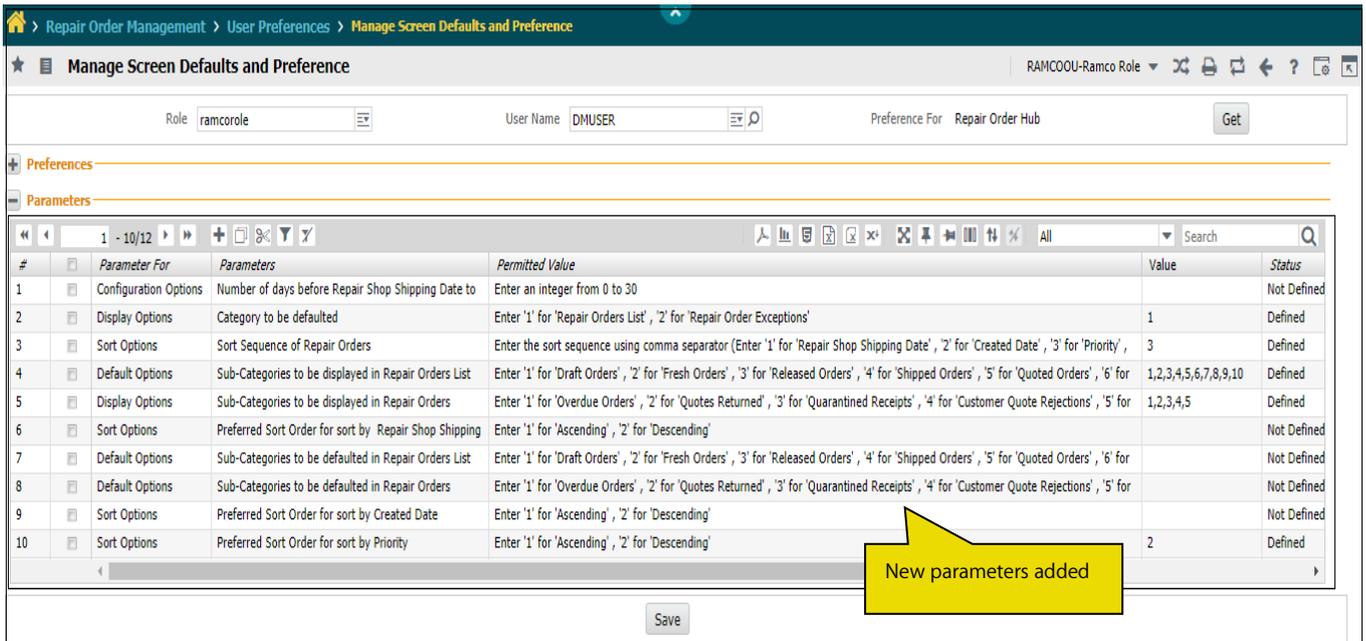
The following values are loaded in the User Preference Rule Builder control if it is launched from Repair Order Hub.

- Part #
- Part Description
- Part Type
- Part Category
- A/C Reg. #
- A/C Model #
- RO Type
- RO Category
- RO User Status
- Shop Job Type   .
- RO Priority
- Work Center #
- Repair Shop #
- Repair Shop Name
- Repair for
- Customer #
- Customer Name
- Ref. Document Type
- Created by

Repair Orders are counted and displayed based on Status in each tile. The display logic is as follows:

List Tiles Logic:

1. Draft Orders - Repair Order in Draft status
2. Fresh Orders - Repair order in Fresh status
3. Released Orders - Repair Order in Released status
4. Shipped Orders - Repair Order in Shipped status
5. Quoted orders - Repair Order in Quoted status
6. Amendment Pending Confirmation - Repair Order in Amended status
7. Quotes Pending Authorization - Repair Order in Confirmed status
8. Execution In progress - Repair Orders in Authorized status
9. Closed Orders - Repair Orders in Closed status
10. AOG Open Orders - Repair Orders with Priority as AOG, in statuses other than Cancelled or Closed or BER Closed.

Exceptions Tiles Logic:

1. Overdue Orders - Repair Orders with Repair Shop Shipping Date lesser than current date
2. Quotes Returned - Repair Orders in Returned status
3. Quarantined Receipts - Repair Orders against which at least one Part is quarantined in the Repair Receipt with the Resolution Responsibility identified as defined in the User Preferences. If no value is defined in User Preference, all the Repair Orders are displayed.
4. Customer Quote Rejections - Repair Order with Customer Authorization Status as Rejected or Re-Quote
5. Alert Orders - Repair Order with Repair Shop Shipping Date within the alert days defined as per User Preference option. If no value is defined, take it as 30 days.

The Category and Sub Category to be defaulted and displayed, is based on User Preference for the login user, if it is not defined then it is based on the values defined in the **Purchase Option Settings** Screen.

Apart from the status/exceptions based retrieval of Repair Orders, the Search filters can also be used to retrieve the Repair orders in the Hub. If the Search option is used, the category and sub-category will be hidden.

Exhibit 4: Identifies Category and Sub Category display in the **Repair Order Hub** screen

From the Repair Order hub, Quick links are provided to launch the screens where actions in the Repair Order could be performed. Also, for creation of new Repair orders link to New Piecepart RO/Component RO highlighted can be used.

Exhibit 5: Identifies link for New Repair Order creation in the **Repair Order Hub** screen

Ability to identify Repair Shop in Automatic Repairs through Vendor Rules

Reference: APRP-38

Background

The Unserviceable stock available in an organization is made serviceable either through internally executed Shop Work Orders or Repair Orders executed through a Repair Shop. The Repair Shop to which the part is sent is identified through various criteria such as availability of a Repair contract, capability of the Repair Shop, nature of the part (including the A/C Reg. # from where the part is removed, Remaining Life, etc.). Many a times, when part needs to be sent for external repair, the Repair Order gets generated automatically. And in most of these places, there exists a provision to identify the Repair Shop to which the part needs to be routed, thus enabling entry of Repair Shop post evaluation of the criteria. However, when the Repair Order gets set up automatically after evaluation of the Repair Automation Rules, there has to be a provision to identify the Repair Shop.

So, there arises a need to have the Repair Shop identification rules and thereby identifying the Repair Shop. This framework can then be extended to manage repair shop identification in all the places where the Repair Order gets generated.

Change Details

Vendor Identification Rules

A New Activity **'Manage Vendor Identification Rules'** is added in **Supplier** business component of the **Procurement Management** business process. This screen will be used to define the Repair Shop to which a Part needs to be routed for Repair whenever Repair Order is generated, based on various parameters. For instance, the Repair Shop can be identified by providing a specific Part # - Serial # combination, in cases where the specific Serial # could have undergone special modifications. Similarly, Repair Shop can be defined based on the Remaining Life of a part, as in many cases when Remaining Life gets lower, the OEM will be the preferred Repair Vendor, which is not the case when the Life is sufficient enough, during when the DER vendor gets more preference considering cost benefits. Also, rules can be defined based on the Reliability attributes of a part such as NFF, Low Time Removals, etc.

Exhibit 1: Identifies the **Manage Vendor Identification Rules** Screen
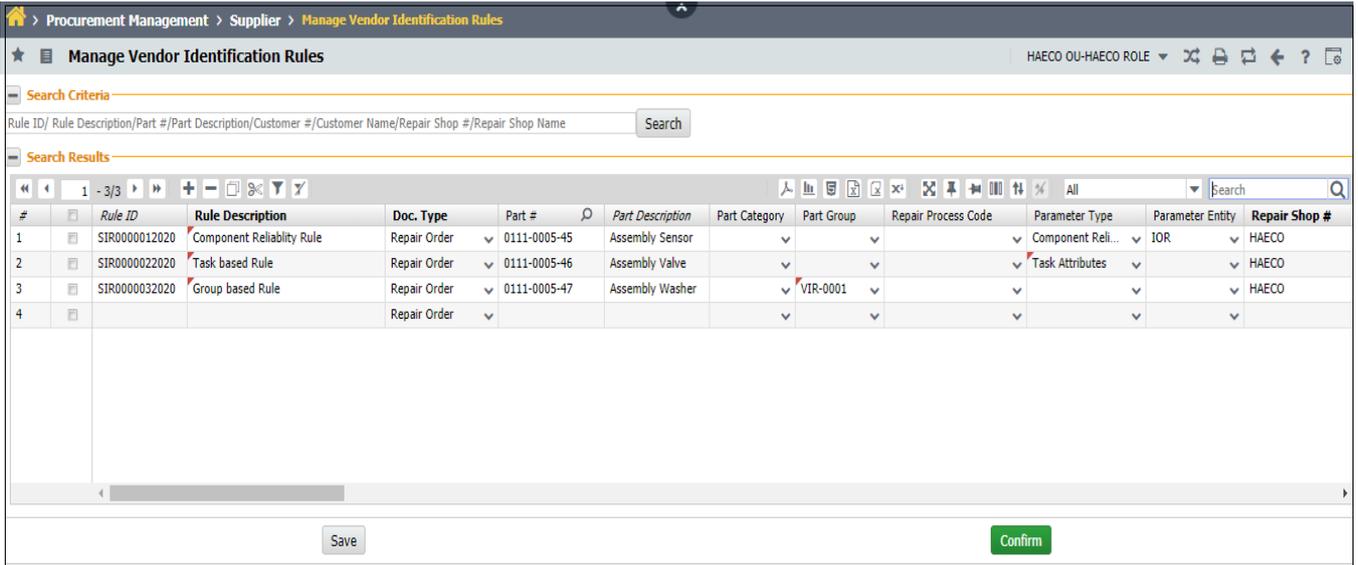
Currently, the vendor identification rules will be used only when Repair Order is generated through Repair Automation Rules, if the option setting 'Advanced Repair Agency identification applicable for RO created on basis of' is set as 'Repair Automation Rules' in the **Purchase Option Settings** screen. If the value is defined as 'Not applicable', the Part level preferred repair shop will be taken even in case of Repair Automation rules based Repair Orders.

Based on value defined for another option setting 'Advanced Repair Agency Identification sequence', available in the **Purchase Option Settings** screen, the Repair Shop identification can be configured whether it should go through Vendor Rules or through availability of Supplier Contract or through the Part level preferred Repair shop. For instance, if this option is set as 1,2,3 (Contracted Repair Agency, Vendor Identification Rules, Part level preferred Repair Agency), then Repair Shop will be identified by checking availability of Supplier service contract or Supplier-Part-Repair Services mapping (as identified through another option setting 'Sequence of Repair Cost identification basis for Automatic Quote Generation' in the **Purchase Option Settings** screen) first. If Contract is not available, then applicable Vendor Rules will be identified and Repair shop will be identified. If Vendor Rules are also not applicable for the parts, then Part level preferred Repair Shop will be defaulted as the Repair Shop in the Repair Order.

Exhibit 2: The below 3 screens identifies the option settings in **Purchase Option Settings** screen

Note:

1) *If multiple Supplier Service Contracts of different Pricing basis are available, then the contract considered will be based on the value defined for the option setting 'Pricing Basis preference sequence within Supplier Service Contracts' in the* **Purchase Option Settings** *screen. If it is set as 1,2 (PBH, Fixed Price per Work Unit), then contracts with Pricing Basis as PBH will be given more preference over those with Pricing Basis as Fixed Price per Work Unit*

2) *Identification of applicable Contracts will be identified based on the Part Effectivity tab definition in the Supplier Service Contract and Supplier – Part Mapping for any Repair Services.*

3) *If multiple vendors are identified either through Supplier Contract or Vendor identification rules, then Repair Order will be generated without Repair Shop with the remarks as 'Repair Order in Draft Status - Multiple Repair Agencies identified'. In case if no Repair Shop is identified, Repair Order will have the remarks as 'Repair Order in Draft Status - Repair Agency not identified'.*

4) *Advanced Repair Agency will be considered only if the Part under Repair is not under warranty with any Suppliers. If it is under Warranty, Repair Order will be generated against the Warranty vendor.*

Ability to identify Workscope at Item level and quote at Workscope level

Reference: APRP-56, APRP-57

Background

Whenever a part is sent to repair to a Repair shop, the Workscope that needs to be performed is also communicated to the Repair Shop. If the repair is contracted, then the Repair Cost gets identified from the Contract. However, there could be exclusions defined in the Repair Contract, such as Foreign Object Damages, Customer Induced Damages, Specific Modifications, etc., which gets executed only after the Repair Cost quoted for that specific Workscope gets approved. Currently, in Ramco M&E, the provision to define and track the Workscope mentioned in a Repair Order at the Part-Serial/Lot level is not intact. Also, the Repair Quotation provided by the Repair Shop needs to be summed up at Part Level and entered.

Business need is to identify the Repair Workscope associated to a Part-Serial/Lot and also record the Quotation at Workscope Level.

Change Details

Logistics Common Master

The following parameters are added in the **Purchase Option Settings** screen of **Logistics Common Master** business component:

Category	Parameter	Permitted Values
Repair Order	Quotation breakdown at Workscope level?	Enter '0' for 'Optional', '1' for 'Mandatory'
Repair Order	Additional Workscope identification during Repair Quotation?	Enter '0' for 'Not Allowed' , '1' for 'Allowed'
Repair Order	Sum of Material cost breakdown different from Reference Material Cost?	Enter '0' for 'Not Allowed' , '1' for 'Allowed'
Repair Order	Maint. Object Level Workscope Identification	Enter '0' for 'Not Applicable' , '1' for 'Applicable'

ramco

Create/Edit Repair Order

If the value for the option 'Maint. Object Level Workscope Identification' is defined as 'Applicable', then the **Create Repair Order** and **Edit Repair Order** screens will first allow entry of only the Maint. Object Details in the Maint. Object Details tab. Secondly, the Workscope for each of the Maint. Object Line # can be saved against them in the Workscope Details tab. Only after both these information are available, Repair Order creation/modification can be performed. The Workscope details that are common to all the Parts in the Repair Order can be defined using the Maint. Object Line # as All.

Exhibit 1: Identifies the Maint. Object Details tab in **Create Repair Order** screen
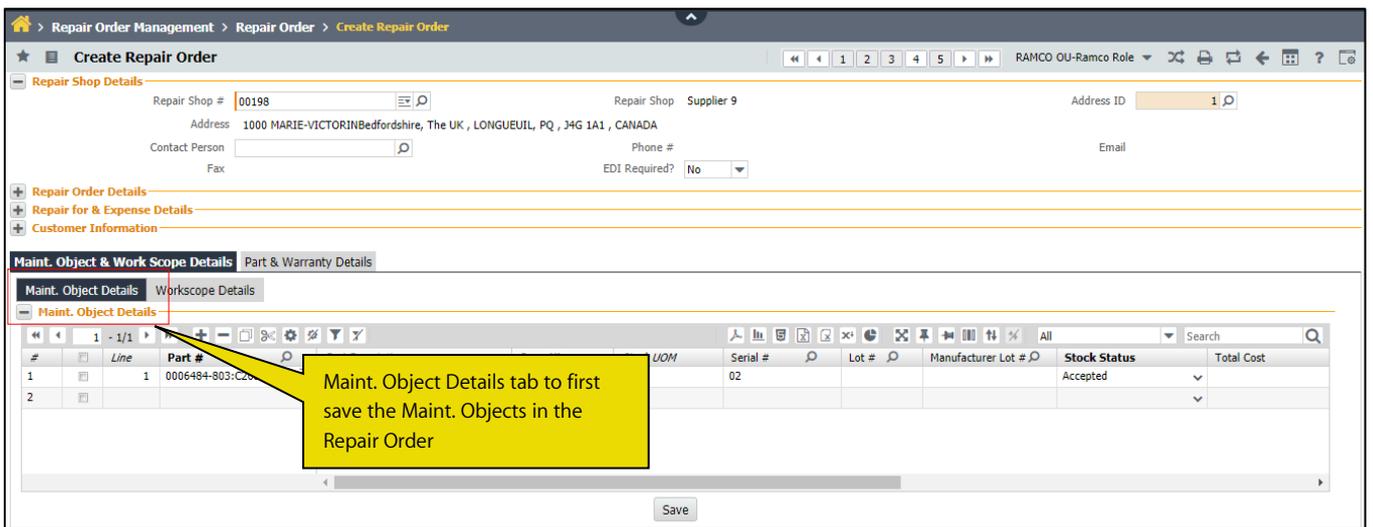
Exhibit 2: Identifies the Workscope Details tab in **Create Repair Order** screen
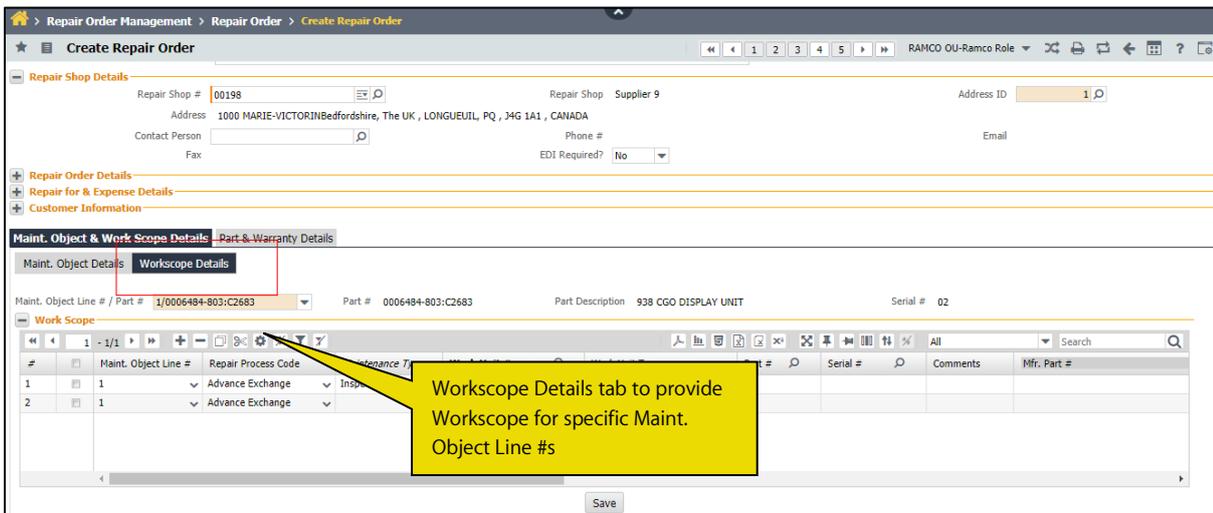
Manage Repair Quote

A new screen 'Manage Workscope Level Quotation' is added under the **Manage Repair Quote** of **Repair Order** component which is launched by the column link 'Repair Cost Break' for the respective row.
The column value for 'Repair Cost Break' will be defaulted based on the following:

- **Optional**: If the parameter 'Quotation breakdown at Workscope level?' is set as 'Optional'
- **Entered**: If Workscope Level Quotation is defined for the Repair Order Quotation Line #
- **Not Entered**: If the parameter 'Quotation breakdown at Workscope level?' is set as 'Mandatory' and Workscope level quotation does not exist for the Quotation Line #

Exhibit 3: Identifies the **Manage Repair Quote** screen
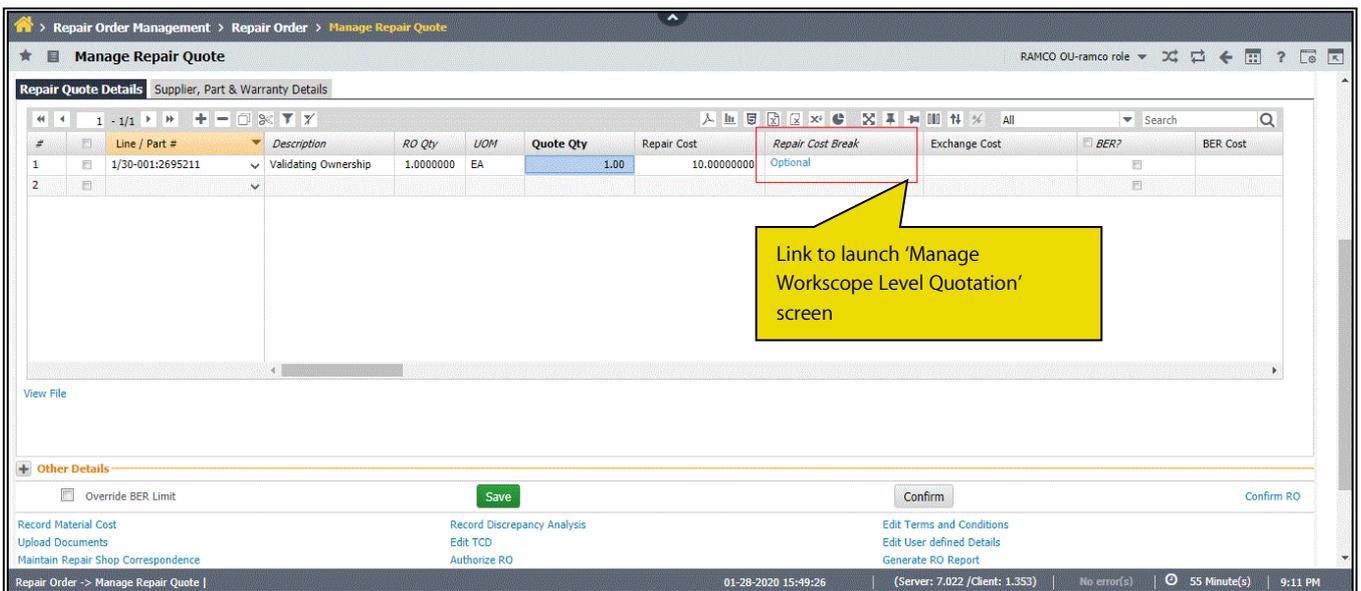
Exhibit 4: Identifies the **Manage Workscope Level Quotation** screen
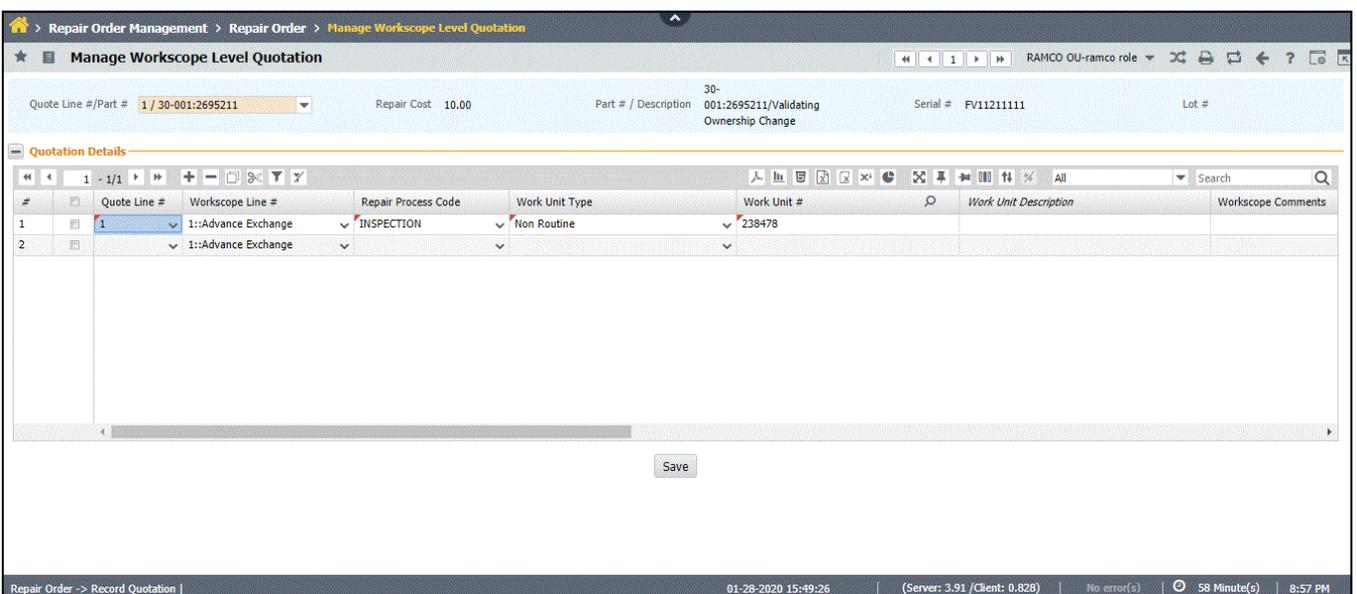
If the Repair Shop identifies any additional Workscope that could enhance the performance/life of the Part under repair and if the same is quoted, they can be added by using the **Work Unit Type** 'Others', if the option 'Additional Workscope identification during Repair Quotation?' is set as "Allowed".

The Material Cost break-down, if available at the Workscope level can be defined by using the link in the column **Material Cost (Workscope)**, provided Material Cost is recorded in the Quotation Line # level in the **Manage Repair Quote** screen and at Workscope level in the **Manage Workscope Level Quotation** screen. If details are available, it will be displayed as Entered and vice versa.

Exhibit 5: Identifies the Material Cost link in **Manage Workscope Level Quotation** screen
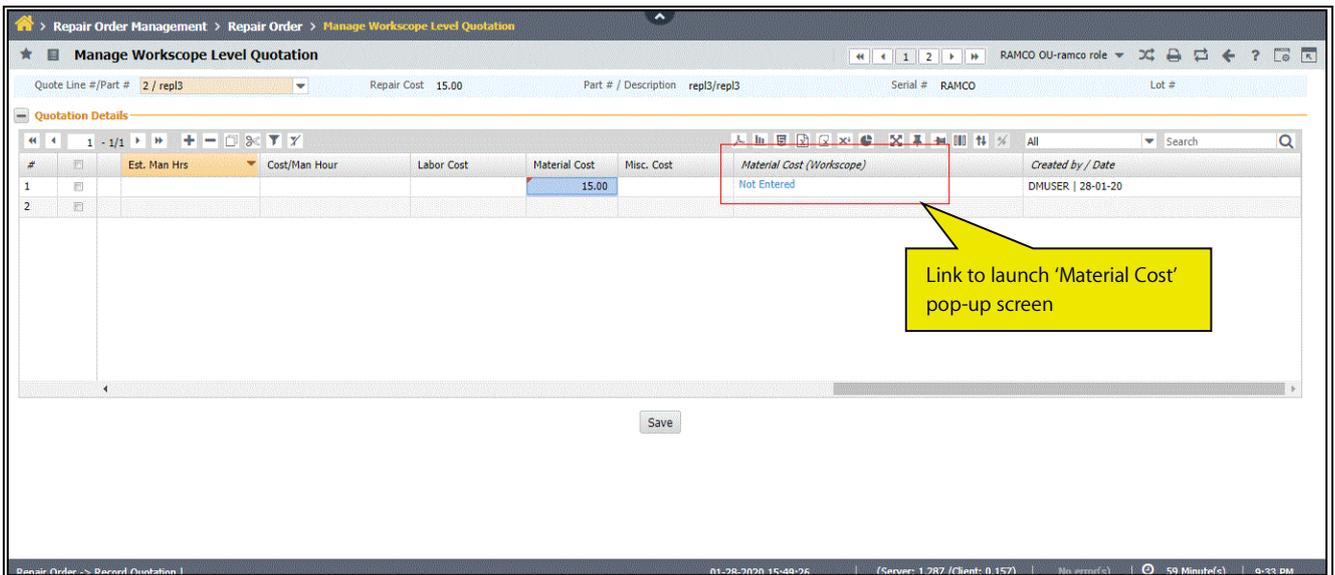
Exhibit 6: Identifies the **Material Cost** pop-up screen launched from Workscope Level Quotation
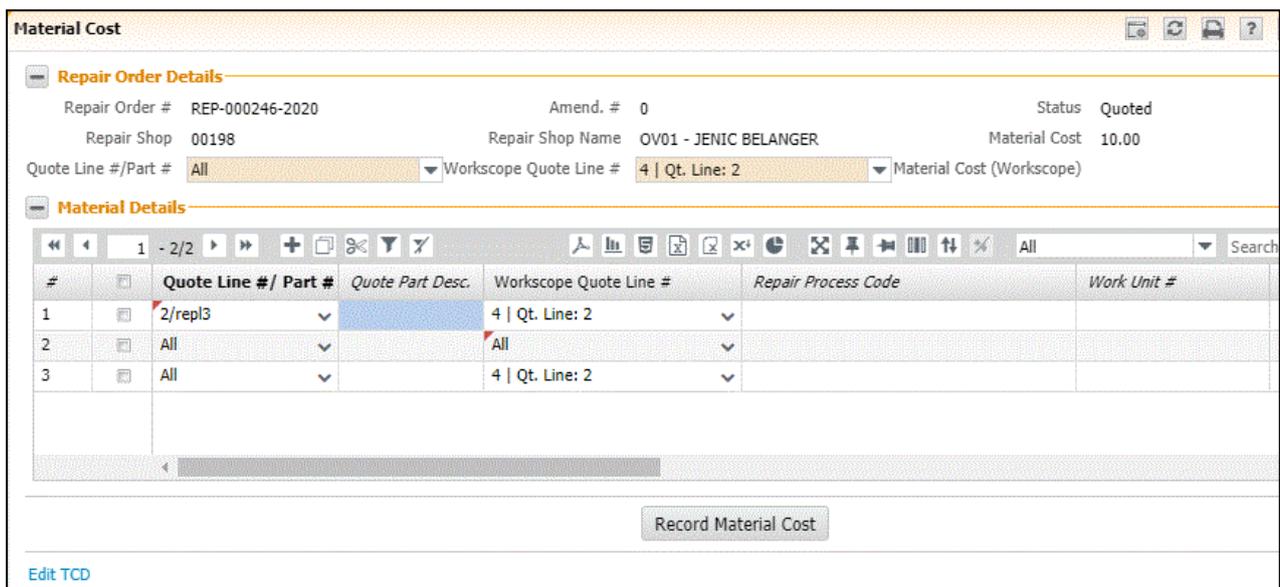
Many times, the Repair Quote comes with only the cost of key Components that are used for repair, though the sum of Material Cost is represented including the Consumables used for repair. So, it is not mandatory for the Material Cost break-down to match with the Material Cost value entered at Quotation Line # or Workscope Quote Line # level, if the option 'Sum of Material cost breakdown different from Reference Material Cost?' is set as 'Allowed'.

✎ *Note: In addition to these changes, an additional parameter, 'Specification of RMA mandatory for Repairs?' is added in the **Manage Additional Options** screen of the **Supplier** business component, to ensure that RMA # is obtained for the parts sent for repair before the parts are released for shipping.*

WHAT'S NEW IN MMD/MATERIAL RETURN DOCUMENT REPORT?

Adding Form # in MMD report and Material Return Document report

Reference: APRP-18

Background

Reports used in an organization will be identified using Internal Form #s. For example, Material Movement Document (MMD) report can be called as 'Form 1' and Material Return Document can be called as 'Form 2'. The business need is to capture this Form # and display in the report.

Change Details

Common Master

New process parameter 'Form Issue #/Rev #' is added in the **Define Process Entities** activity of the **Common Master** business component, to identify the Form # for the report. The details are given below:

Process Parameter: Form Issue #/Rev #
Permitted Values: Enter Form Issue #/Revision #
Entity: Material Return Document, Material Movement Document
Entity Type: Reports

MMD / Material Return Document Report

The Form # is identified for the **MMD** report and **Material Return Document** report based on the process parameters defined in the **Define Process Entities** activity, as explained above. The Form # is displayed below the 'Generated Date/Time' in the report.

> ✎ *Note: Form # display is currently handled only for MMD Report and Material Return Document Report.*

Exhibit 1: Identifies the changes **in Set Process Parameters** screen
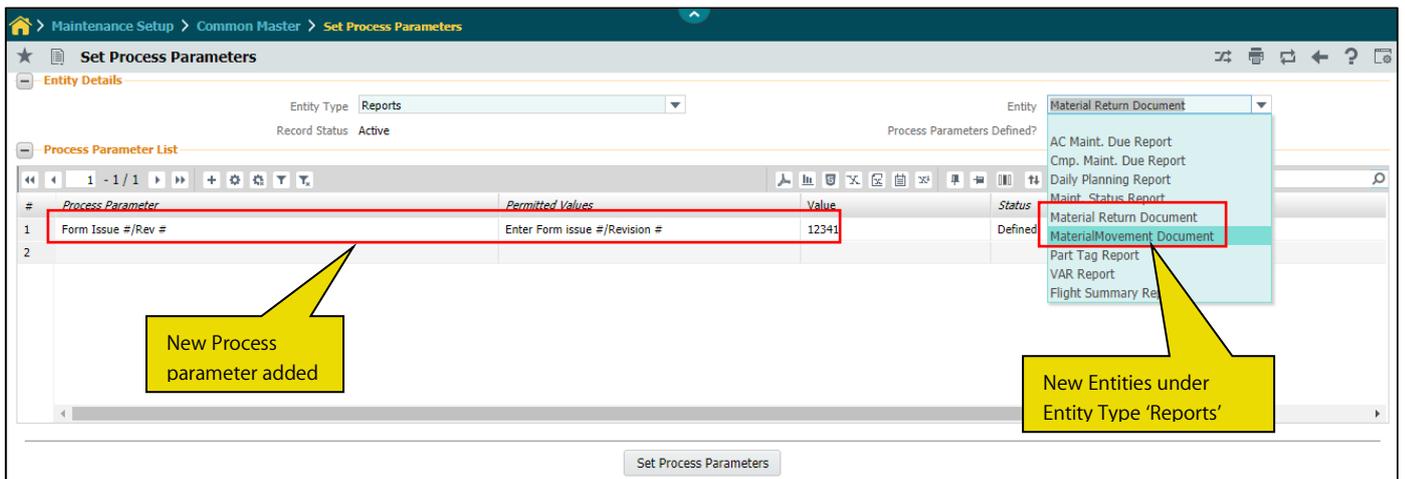
Exhibit 2: Identifies the Form # addition in **MMD** report

| ramco | MATERIAL MOVEMENT DOCUMENT | Ramco Airways |
| | ‖‖ ‖ ‖ ‖‖‖‖‖ ‖‖ ‖‖‖ ‖‖‖‖‖‖ ‖‖‖‖‖‖ | 64,Sardar Patel Road,, 1, New Tower, Chennai. Chennai,Tamil Nadu, India 600113 |

Doc Information

Return Type	General Return		A/C Reg. #		Component #	
Return #	GRT-000020-2012	Ref. Document Type	General Issue	Ref. Document #	GI-001379-2012
Date	22 Feb 2012	Need Date		Work Center #	
Warehouse #	WH-TESTING	Material Request #		Deliver To	

Request Information

Requestor Remarks

Delivery Instructions

Transfer Information

Stock Transfer		From Warehouse #		To Warehouse #	
Issued By		Date		Received by		Date	

Item Detail Information

No	Part #	Serial #	Lot #	Stock Status	Condition	Expiry Date
	Part Description			Zone #	Bin #	UOM
	Requested Part #	Mfr. Serial #	Mfr. Lot #	Req. Qty	Return Qty	Rem.Available Qty
1	0-9700:36361	SER-90-87-LOP-234		Aveos Owned	Serviceable	
	OUTSIDE, 5 TO 6 MICROMETER			L-F--	LFNEWBIN	EA
	0-9700:36361	SER-90-87-LOP-234		0.00	1.00	0.00
2	0-9700:36361	SER-90-87-LOP-2345		Aveos Owned	Serviceable	
	OUTSIDE, 5 TO 6 MICROMETER			L-F--	LFNEWBIN	EA
	0-9700:36361	SER-90-87-LOP-2345		0.00	1.00	0.00
3	0-0440-4-0015:36361	OP-90-8IOP-LKA		Aveos Owned	Serviceable	
	PS9323 CARRIER			L-F--	LFNEWBIN	EA
	0-0440-4-0015:36361	OP-90-8IOP-LKA		0.00	1.00	0.00
4	0-1:MMPEC	SER-90-KL-90-LOP		Aveos Owned	Serviceable	
	0-1" OUTSIDE MICROMETER			L-F--	LFNEWBIN	EA
	0-1:MMPEC	SER-90-KL-90-LOP		0.00	1.00	0.00
5	0-1:MMPEC	SER-90-KL-90-LOP1		Aveos Owned	Serviceable	
	0-1" OUTSIDE MICROMETER			L-F--	LFNEWBIN	EA
	0-1:MMPEC	SER-90-KL-90-LOP1		0.00	1.00	0.00

Form # in MMD Report

End Of Report

Legend : UOM - Unit Of Measurement, SWO - Shop Work Order, QTY - Quantity

| Generated On : | 15 Aug 2019 | 20:43:35 | dd-mmm-yyyy | hh:mm:ss | Page 1 of 1 |

QAF-355 REV 0 - 16-APR-2019

Exhibit 3: Identifies the Form # addition in **Material Return Document** report

ramco	MATERIAL RETURN DOCUMENT	Ramco Airways 64,Sardar Patel Road,, 1, New Tower, Chennai. Chennai Tamil Nadu India

RETURN # GRT-000020-2012	BARCODE OF RETURN #

STATUS Confirmed	RETURN TYPE General	WAREHOUSE Warehouse E2E Testing (WH-TESTING)

REFERENCE DOCUMENT TYPE General Issue	REFERENCE DOCUMENT # GI-001379-2012	CUSTOMER ORDER #	RETURN DATE 22-Feb-2012

SR. #	PART # PART DESCRIPTION	TYPE	SERIAL # LOT #	MFG. SERIAL # MFG. LOT #	QTY	UOM	STOCK STATUS CONDITION	ZONE BIN
1.	0-9700:36361 OUTSIDE, 5 TO 6	Component	SER-90-87-LOP-234	SER-90-87-LOP-234	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
2.	0-9700:36361 OUTSIDE, 5 TO 6	Component	SER-90-87-LOP-2345	SER-90-87-LOP-2345	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
3.	0-0440-4-0015:36361 PS9323 CARRIER	Component	OP-90-8IOP-LKA	OP-90-8IOP-LKA	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
4.	0-1:MMPEC 0-1" OUTSIDE	Component	SER-90-KL-90-LOP	SER-90-KL-90-LOP	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
5.	0-1:MMPEC 0-1" OUTSIDE	Component	SER-90-KL-90-LOP1	SER-90-KL-90-LOP1	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
6.	00-200-1890:K0654 LOCKWASHER WASHER	Expendable		LOT-001287-2012	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
7.	0-0511-4-0040:36361 MEGAPHONE	Expendable		LOT-001288-2012	1.00	EA	Aveos Owned Serviceable	L-F-- LFNEWBIN
8.	0-0050845-0:5N982 TERMINAL	Consumable			2.00	EA	Aveos Owned	L-F-- LFNEWBIN

*** END OF REPORT ***

RETURNED BY user, Dm(00000011	REMARKS

Form # in
Return Report

LEGEND : QTY -Quantity, UOM - U___ Measurement, SR. # - Serial No

Generated On :	15-Aug-2019	21:14:07	Date Format :	dd-mmm-yyyy	Time Format:	hh:mm:ss	Page 1 of 1

QAF-355 REV 0 - 16-APR-2019

WHAT'S NEW IN SHIPPING NOTE?

Ability to identify the Supplementary Information for Shipping Note

Reference: APRP-36

Background

In many organizations, while Parts are shipped, it is required to verify the checklist/update certain information related to shipment. Business need is to update the supplementary information for the Shipping Note. This enhancement provides the ability to identify the supplementary Information for Shipping Note.

Change Details

<u>Logistics Common Master</u>

Manage Logistics Quick Codes

A new Quick Code Type value 'Supplementary Info – Others' is added in the "Select Quick Code Type" section of the **Manage Logistics Quick Codes** screen. When the 'Quick Code Type' is selected as "Supplementary Info – Others", 'Ref. Doc. Type' lists the value "Shipping Note".

The Supplementary Info codes for the Shipping Notes are defined under the Quick Code Type "Supplementary Info – Others" and Ref. Doc. Type "Shipping Note".

Exhibit 1: Identifies the **Manage Logistics Quick Codes** screen
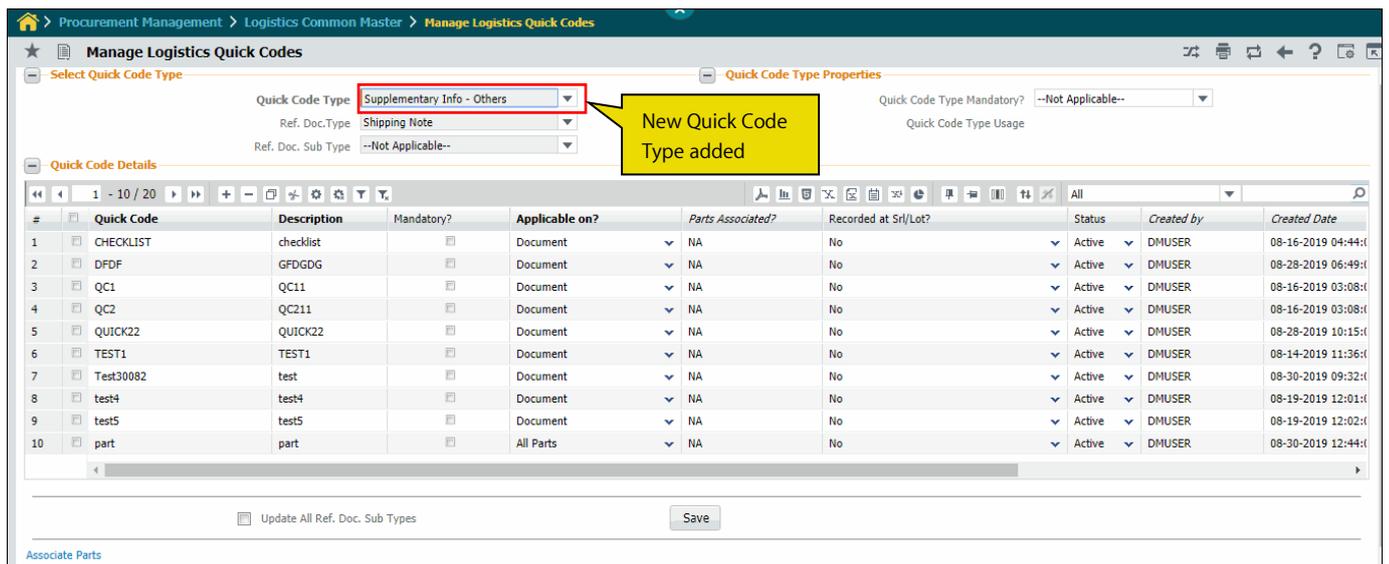
Associate Parts

A new Quick Code Type value "Supplementary Info – Others" is added in the header section of the **Associate Parts** screen for which 'Applicable on' is set as 'Specific Parts' in the **Manage Logistics Quick Code** screen. The system lists all the Quick Codes defined under the Quick Code Type "Supplementary Info-Others" in the 'Search On' second drop-down list box.

![ramco]

Exhibit 2: Identifies the **Associate Parts** screen
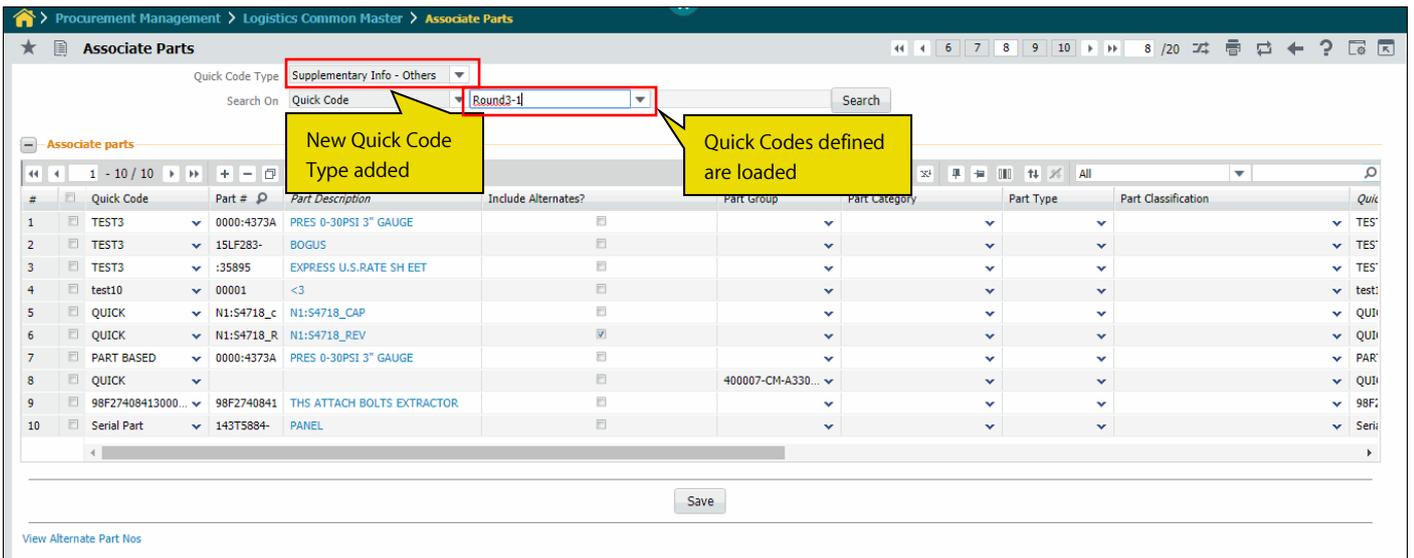
Stock Issue

A new link "Manage Supplementary Information" is added in the link section of the **Record Shipping Note** and **View Shipping Note** screens.

In the **Manage Supplementary Information** screen, Supplementary Entity Value can be entered for the Supplementary Information code.

✎ *Note: The Part #-Supplementary Information Code mapping is identified based on the applicability of the Supplementary Information code "Applicable On?" - Parts Association defined in the **Manage Logistics Quick Codes** screen.*

The Confirmation of Shipping Note will be restricted if any Supplementary Info is defined as mandatory and the value is not entered.

Exhibit 3: Identifies the **Record Shipping Note** screen

Ability to manage FedEx Integration for additional FedEx Shipping Methods

Reference: APRP-11

Background

This enhancement provides the ability to manage FedEx Integration for additional Shipping Methods in FedEx Express and FedEx Ground, in addition to the existing Shipping Methods.

Change Details

If FedEx Integration is enabled, then on selection of Carrier Code as 'FedEx', the 'Shipping Method' drop-down box in the **Record Shipping Note** screen lists the following additional meta-data applicable for FedEx Integration, along with the existing values:

'FEDEX_EXPRESS_STANDARD_OVERNIGHT', 'FEDEX_EXPRESS_2_DAY', FEDEX_EXPRESS_2_DAY_AM.

WHAT'S NEW IN STOCK ISSUE?

Usability improvements in Shipping Note

Reference: APRP-8

Background

Shipping Note enables the user to ascertain the items that are being shipped out of the warehouse in a transaction. Shipping Note has been enhanced to cater to usability requirements which may include retrieving Shipping Notes corresponding to Issues having Customer Order/Part Sale Order reference, and capturing the area where rejected parts are moved.

Change Details

The following changes are done in the Stock Issue business component to meet the business requirement.

1. A new drop-down value 'Customer PO #' is added along with the other values in the 'Parent Ref. Doc. #' drop-down list box in the Search Criteria of the Select pages of the following activities:

   - Record Shipping Note

   - Edit/Confirm Shipping Note

   - View Shipping Note

2. A new field 'Shipping Area' is added in the following screens to capture the area where rejected parts are moved.

   - 'Search Results' multiline of the Select pages of the **Record Shipping Note** and **View Shipping Note** activities.

   - 'Part Details' multiline in the 'Recipient Info' tab of the **Record Shipping Note** and **View Shipping Note** screens

Exhibit 1: Identifies the addition of new value 'Customer PO #' in **Select Shipping Note** screen of the **Edit/Confirm Shipping Note** activity:
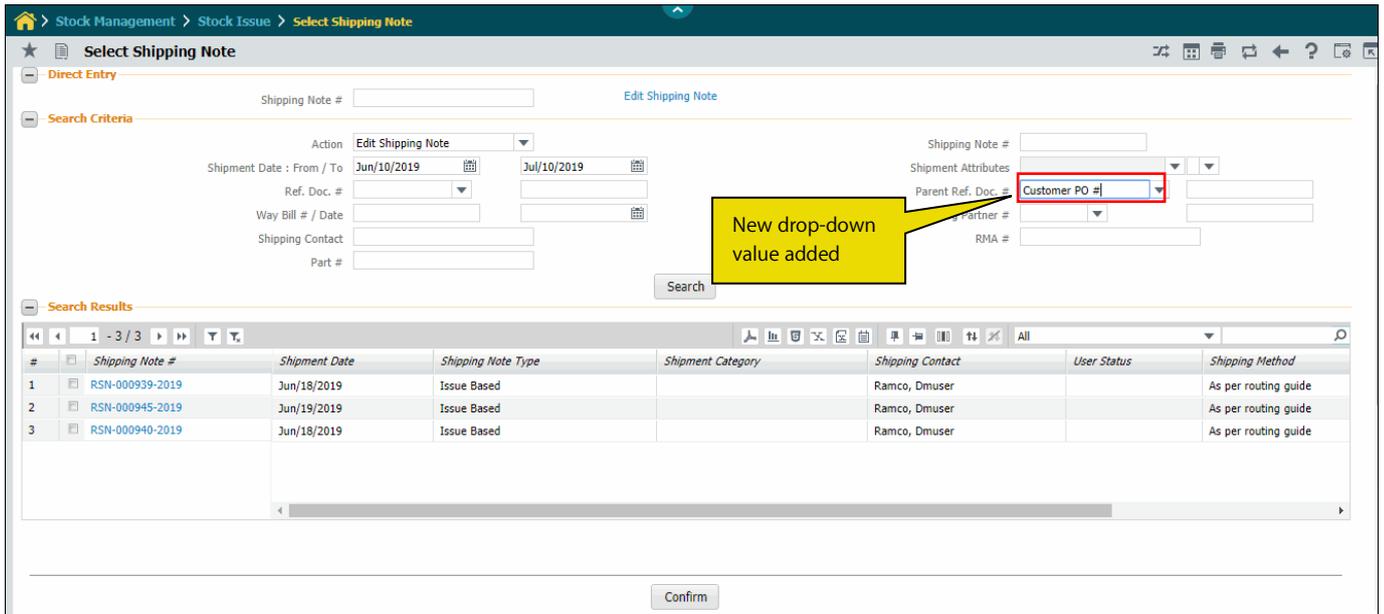
Exhibit 2: Identifies the addition of new column 'Shipping Area' in **Select Reference Document** screen of **Record Shipping Note** activity:
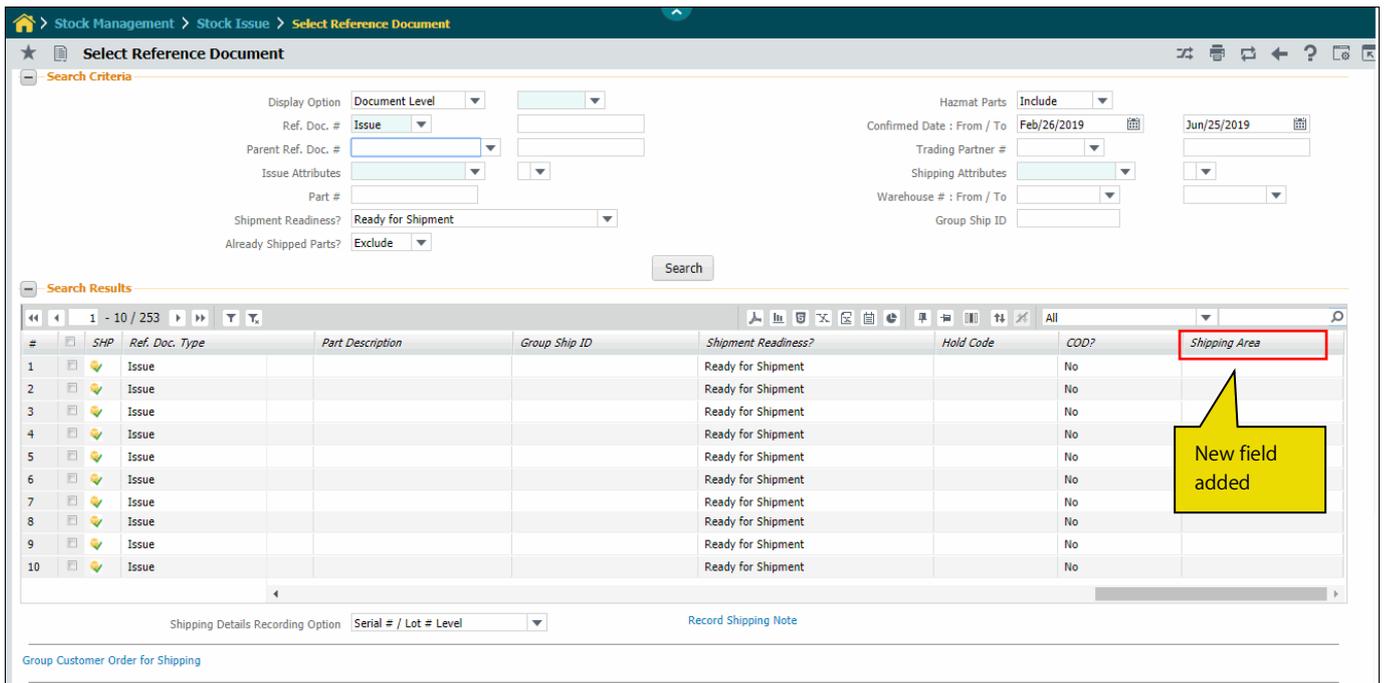
Exhibit 3: Identifies the addition of new column 'Shipping Area' in **Record Shipping Note** screen

WHAT'S NEW IN SUPPLIER?

Provision for additional User defined information in Supplier Bank Information

*Reference: APRP-137*

Background

The bank details for the Supplier can be entered in the **Edit Supplier Bank Information** screen. This enhancement provides the ability to give additional user defined information in the Supplier Bank Information.

Change Details

Supplier

Five new Quick Code Types "User Defined Bank Details – 1", "User Defined Bank Details – 2", "User Defined Bank Details – 3", "User Defined Bank Details – 4" and "User Defined Bank Details – 5" are added in the **Create Quick Codes** and **Edit Quick Codes** activities.

Exhibit 1: Identifies the **Edit Quick Codes** screen
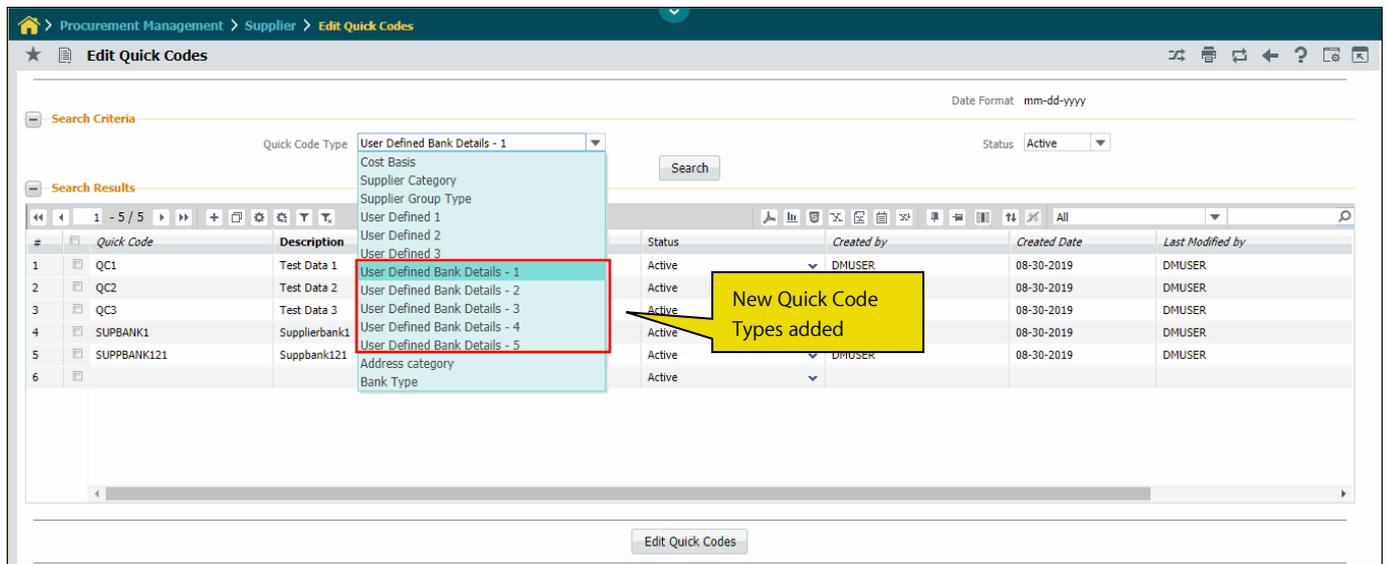
Five new drop-down fields are added in the "Bank Account Information" multiline of the **Edit Supplier Bank Information** screen of the **Edit Location Details** activity. The following fields are added to specify the user defined details regarding the bank:

- User Defined Bank Details – 1: This field lists all the 'active' Quick Codes defined under the Quick Code Type 'User Defined Bank Details – 1' in the **Create Quick Codes** activity along with a blank value.

- User Defined Bank Details – 2: This field lists all the 'active' Quick Codes defined under the Quick Code Type 'User Defined Bank Details – 2' in the **Create Quick Codes** activity along with a blank value.

- User Defined Bank Details – 3: This field lists all the 'active' Quick Codes defined under the Quick Code Type 'User Defined Bank Details – 3' in the **Create Quick Codes** activity along with a blank value.

- User Defined Bank Details – 4: This field lists all the 'active' Quick Codes defined under the Quick Code Type 'User Defined Bank Details – 4' in the **Create Quick Codes** activity along with a blank value.

- User Defined Bank Details – 5: This field lists all the 'active' Quick Codes defined under the Quick Code Type 'User Defined Bank Details – 5' in the **Create Quick Codes** activity along with a blank value.

These fields are added as display fields in the "Bank Account Information" multiline of the **View Supplier Bank Information** screen of the **View Location Details** activity.

Exhibit 2: Identifies the **Edit Supplier Bank Information** screen
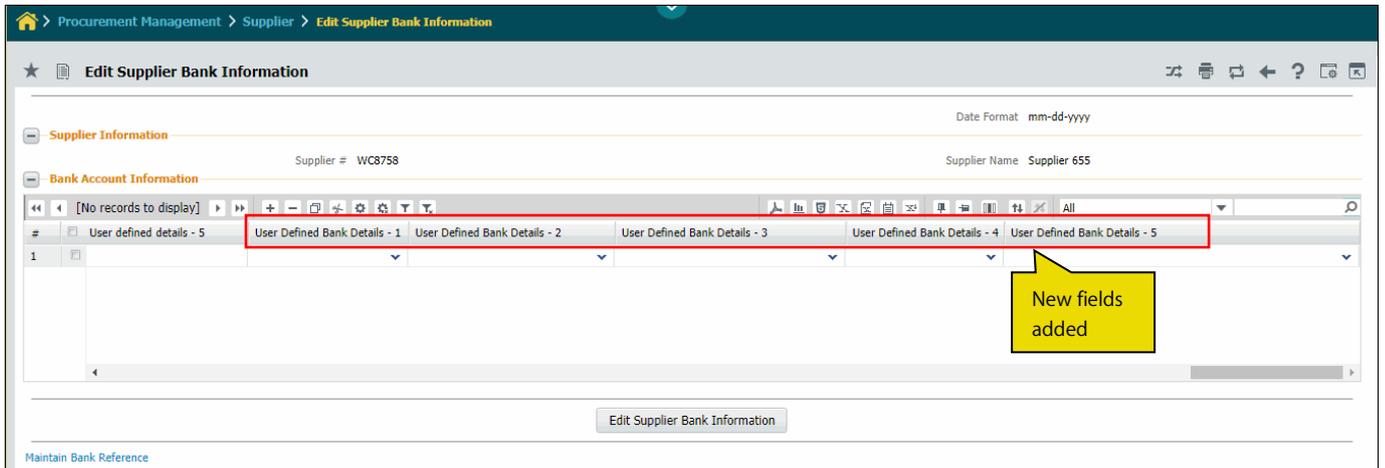
WHAT'S NEW IN REQUEST FOR QUOTATION?

Ability to generate Quote Comparison Report

Reference: APRP-506

Background

In the procurement process, Request for Quotation is a mandatory process for every purchase order. Prior to approval of any purchase order, the Quote from multiple vendors will be compared and analysed. Hence, the business need is to develop a report to compare the quotes against Request for Quotation. In this enhancement, a Quote comparison Report is developed to compare the Quotes against the RFQ.

Change Details

Request for Quotation

A new link **Generate Quote Comparison Report** is added in the link section of the following screens:

- Authorize Quotation

- 'Select RFQ' screen of **View RFQ** activity

- 'Select Quotation' screen of **View Quotation** activity

On click of the **Generate Quote Comparison Report** link, the system generates the 'Quote Comparison Sheet' report with all the Confirmed Quotations against the selected RFQ.

Exhibit 1: Identifies the **Select RFQ** screen of the **View RFQ** activity

Quote Comparison Report:

If the Quotation Type is 'Competitive Bidding', the suppliers will be static for all parts. All the line items are shown against static supplier's header with supplier details in the first page.
If the Quotation Type is 'Selective Bidding', the suppliers will vary at part level. The supplier details will be displayed in the next page against the respective part.

The Quote Comparison Sheet Report contains the following fields:

- The "Company Logo" and Report Title "Quote Comparison Sheet" are displayed in the Report header.
- The following fields are displayed in the 'Quote Details' section:

Date	Report Generation Date in DD/MM/YYYY format.
RFQ Ref.	The Supplier wise RFQ details against the selected RFQ.
RFQ Category	The Category of the RFQ.
Priority	The priority of the RFQ.
Currency	The base currency.
Line #	The Line # details of the selected RFQ #.
RFQ Part #	The Part # details of the selected RFQ # against all the lines.
Description	The description of the respective part against the respective line from RFQ.
RFQ QTY	The Quantity against selected RFQ Line #.
UOM	The Unit of measurement against respective RFQ Line #.
Quote Details	Quoted Part #, Qty, CND, LT, CERT, Unit Price, Addl. Charges and Total Price are listed under the Quote Details.
Supplier #, Supplier Name, Quotation #, Valid Till & Pay Term	Against the selected RFQ #, system identifies the Generic RFQ # and retrieves all the confirmed Supplier wise quotations recorded against the Generic RFQ #. Supplier # - Supplier # of the respective Quotation Supplier Name – Supplier Name of the respective Quotation Quotation # - Quotation number against the respective Supplier Valid Till – Effective To Date of the respective Quotation Pay Terms – Pay Terms from the respective Supplier Quotation
Quoted Part #	Part # from the respective Supplier wise Quotation.
Qty	Quantity from the respective Supplier Quotation #.
CND	Part Condition from the respective Supplier Quotation #.
LT (Days)	The Purchase Lead Time in days from the respective Supplier Quotation #.
CERT	Certificate Type Details of the respective Supplier Quotation #.
Unit Price	Unit cost in base currency. The value entered in the cost field to be converted into Base currency and divided by Quoted Qty.
Addl. Charges	The Part Level TCD Details captured against each Part in the respective supplier Quotation to be retrieved and shown in SAR (base Currency).
Total Price	The total price against each line to be retrieved and shown. Total Price = Sum of Unit Price * Qty.+ Addl Charges
Addl. Charges	TCD details at Quotation Document level to be retrieved and shown in SAR (base Currency)
Grand Total	Grand Total at Supplier Quotation level= Sum of Total Price (for all Lines) + Document Level Addl Charges
Buyer Recommendation	The User Status of the Supplier Quotation.

- The 'QTY', 'CND', 'CERT', 'Generated On', 'Date Format' and 'Time Format' fields are displayed at the footer section in all the pages of the report.
- The 'Prepared By', 'Name', 'Job Title', 'Signature', 'Date' and 'Remarks' fields are displayed at the footer section in the last page of the report.

Exhibit 2: Identifies the **Quote Comparison Sheet** report

Quote Comparison Sheet

Date	04-09-2019	RFQ Ref.	RFQ-000033-2019-01,RFQ-000033-2019-02,RFQ-000033-2019-03			
RFQ Category		Priority		Currency	CAD	

Quote Details

Line #	RFQ Part #	RFQ QTY	Quote Details	00141	00144	00153	
				Supplier 5	Supplier 6	Supplier 7	
	Description	UOM					
				QT-000031-2019	QT-000032-2019	QT-000033-2019	
				29/08/2019 & N030D000_00.0	30/08/2019 & N030D000_00.0	01/09/2019 & N030D000_00.0	
1	0-0103-3-0383:36361	5.00	Quoted Part #	0-0103-3-0383:36361	0-0103-3-0383:36361	0-0103-3-0383:36361	
	BOLT	EA	Qty	5.00	5.00	5.00	
			CND	New	New	New	
			LT (Days)				
			CERT				
			Unit Price	164.50	131.60	65.80	
			Addl. Charges	0.00	0.00	0.00	
			Total Price	822.50	658.00	329.00	
			Addl. Charges	0.00	0.00	0.00	
			Grand Total	822.50	658.00	329.00	
			Buyer Recommendation				

	Name	Job Title	Signature	Date	Remarks
Prepared by	Ramco, Dmuser	RAMCOROL	Ramco, Dmuser		

Legends:	QTY: Quantity	CND: Condition		CERT: Certificate Type	
Generated on:	04-09-2019	Date Format	dd/mm/yyyy	Time Format	hh:mm:ss

Page 1 of 1

WHAT'S NEW IN PROCUREMENT MANAGEMENT?

Ability to identify MMD Printer based on Warehouse Ref. Document Priority combination

Reference: APRP-41

Background

Currently, MMD report is automatically printed by identifying the printer based on the definition in the **Configure Printer** screen for the involved Transaction Type. This enhancement provides the ability to identify MMD Printer based on Warehouse and Reference Document Priority combination.

Change Details

Logistics Common Master

A new drop-down field "Ref. Doc. Priority" is added in the "Configure Printer" multiline of the 'MMD Printer' tab in the **Configure Printer** screen of the **Logistics Common Master** business component. This field lists all the 'active' Priority Codes defined in the **Manage Priority Codes** activity and saved 'Inactive' Priority Codes.

If "Ref. Doc. Priority" field is not selected, when MMD report is automatically printed, the printer is identified based on the definition in the **Configure Printer** screen for the involved Transaction Type.

If "Ref. Doc. Priority" field is selected in the **Configure Printer** screen, the printer is identified based on the priority of the Reference Document. The Reference Document for each Transaction Type definition in the **Configure Printer** screen to be considered for identifying the Priority is as follows:

- Exchange Issue - Purchase Order referred in the Issue
- General Issue - Material Request referred in the Issue
- Loan Order Issue - Loan Order referred in the Issue
- Maintenance Issue - Material Request referred in the Issue
- Rental Order Issue - Rental Order referred in the Issue
- PBH Exchange Issue - Purchase Order referred in the Issue
- Subcontract Issue - Purchase Order referred in the Issue
- Direct/Unplanned Issue - Customer Order or Scrap Note referred in the Issue. If the issue has any other reference document, then the system does not consider Ref. Doc. Priority for identifying the Printer.
- Repair Order Issue - Repair Order referred in the Issue
- Stock Transfer issue - Stock Transfer Order referred in the Issue
- General Return - Material Request referred in the General Issue referring which Return is generated
- Maintenance Return - Material Request referred in the Maintenance Issue referring which Return is generated. If Issue reference is not available, SWO/AME referred in the Maintenance Return.

- Stock Transfer Receipt – Stock Transfer referred in the Stock Transfer Issue referring which Receipt is generated.

- Unsatisfied AOG MR - Material Request referred

Exhibit 1: Identifies the **Configure Printer** screen

Ability to default the Capex Proposal in the PR and PO based on Asset Proposal Rules

Reference: APRP-61, APRP-62

Background

An asset proposal is created whenever assets are to be purchased by the procurement team in an organization. The Capex Proposal # proves to be an imperative attribute for generation of Purchase Request/Purchase Order of Expense Type 'Capital'. This enhancement provides the ability to automatically default the Capex Proposal # in the Purchase Request and Purchase Order screens based on Asset Proposal Rule definition and the entry of identified attributes of PR/PO. The system also supports in automatic generation of PR/PO whenever the Capex Proposal # cannot be identified or retrieved, based on option setting.

Change Details

DEFAULTING CAPEX PROPOSAL # IN MANUAL PR/PO

Logistics Common Master

A new Reason code Type 'Purchase' is added in the **Create Reason Code**, **Edit Reason Code** and **View Reason Code** activities of the **Logistics Common Master** business component to create, modify and view the reason codes for purchase of the parts.

Exhibit 1: Identifies the **Create Reason Code** screen
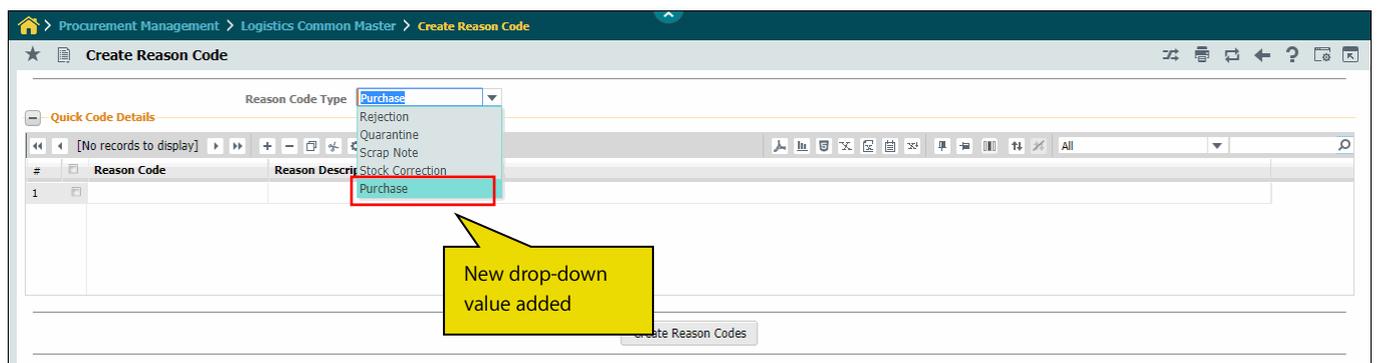
Purchase Request/Purchase Order

- The following new fields are added in the 'Requirement Details' multiline of **Create Purchase Request**, **Cancel/Edit Purchase Request** and **View Purchase Request** screens. The fields are also added in the 'Part Details' multiline of the "Supplementary Details" tab of **Create Purchase Order**, **Edit Purchase Order**, **Amend Purchase Order**, **PR Based PO** and **View Purchase Order** screens of the **Purchase Order** business component.

  o Purchase Reason - Specifies the reason for the purchase of the part.
  o Aircraft Reg # - Identifies the aircraft for which the part is being procured.
  o A/C Model # - Identifies the Aircraft Model.
  o Contract Type - Specifies the type of contract based on which the part is being procured. The drop-down field lists the value 'Service Sale Contract'.

o Contract # - Identifies the contract based on which the part is being procured.

- "Get Part Details" pushbutton is renamed as "Get Details".

Manual PR/PO generation logic:

For Manual PR/PO of Expense Type 'Capital', Capex Proposal # will be defaulted automatically on click of 'Get Details' button, based on the Asset Proposal rule definition and the information entered in the Purchase Request/Purchase Order fields in the multiline, and PR/PO will be generated in 'Authorized' status. The system validates if Capex Proposal # is not defaulted.

> ✎ Note: Asset proposal rules are defined in the **Maintain Asset Proposal Rule Definition** activity in the **Asset Planning** business component.

Exhibit 2: Identifies the **Create Purchase Request** screen

Exhibit 3: Identifies the **View Purchase Order** screen
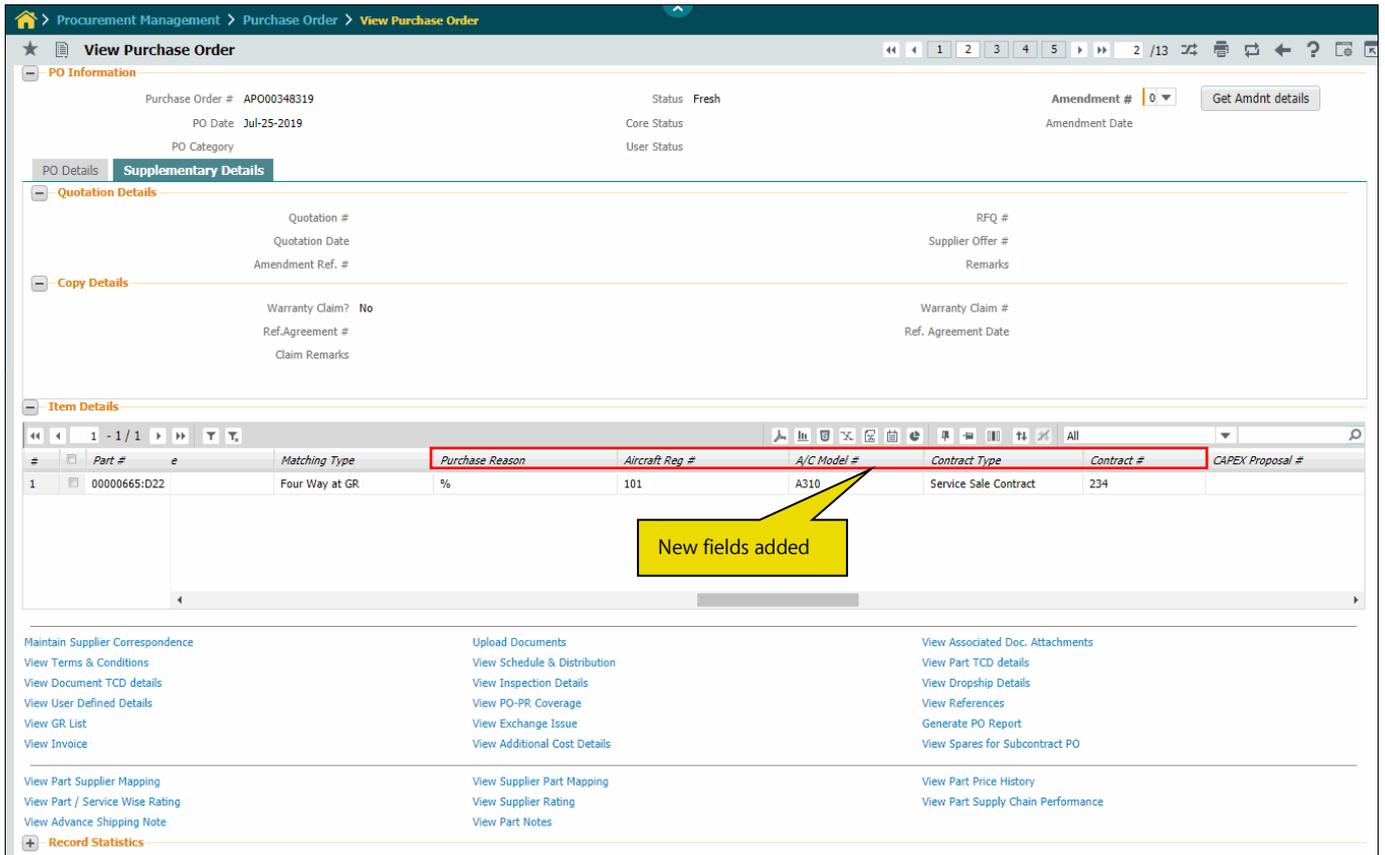
DEFAULTING CAPEX PROPOSAL # IN AUTOMATIC PR/PO

Logistics Common Master

The following parameters are added in the **Purchase Option Settings** screen of **Logistics Common Master** business component, to default Capex Proposal # for Automatic Purchase Requests/Purchase Orders of Expense Type 'Capital', based on Asset Proposal Rule definition.

Category	Parameter	Permitted Values
Purchase Request	Default Capex Proposal # based on Asset Proposal Rules for Automatic Purchase Requests of Expense Type 'Capital'	Enter '0' for 'Optional', '1' for 'Mandatory'
Purchase Order	Default Capex Proposal # based on Asset Proposal Rules for Automatic Purchase Orders of Expense Type 'Capital'	Enter '0' for 'Optional', '1' for 'Mandatory'

Auto PR/PO generation logic:

a. For Automatic PR/PO of Expense Type 'Capital', Capex Proposal # will be defaulted automatically based on the Asset Proposal Rules definition and the information entered in the Purchase Request/Purchase Order fields in the multiline and PR/PO will be generated in 'Authorized' status.

b. If the Capex Proposal # is not defaulted or cannot be retrieved, the system performs the following:

- Generates PR/PO in 'Authorized' status, if the respective parameter for Defaulting Capex Proposal in PR/PO (explained in above table) is set as 'Optional' (0).

- If the parameter is set as 'Mandatory' (1), the system creates Automatic PR/PO in 'Draft' status.

The above logic is applicable for the following PR/PO events:

- General Replenishment

- Scrap Replenishment

- Direct PR/PO (MR Based PR/PO)

- Part Sale Order (PSO) based PR/PO

- Part Manufacturing

- Claim based PR/PO

Ability to attach Clauses to Purchase Order/Repair Order

Reference: APRP-82

Background

It's quite normal to have pre-defined clauses that need to be adhered during Purchase and/or Repair of parts. These clauses get communicated to the vendors offering the service through the Purchase Order and Repair Order report. Currently, the clauses that need to be mentioned in the report are not visible to the buyer, so that the same can be validated. Also, provision to identify the clauses applicable for a specific order or a specific part involved is not available.

Business need is to allow definition of clauses at Part level and also provide visibility of the clauses at the document level, so that necessary modifications can be made, before them being printed in the document reports.

Change Details

The following changes have been done in the **Logistics Common Master** business component, in order to meet the above business requirement:

1. A new Quick Code Type 'Clauses' is added in the **Manage Logistics Quick Codes** screen, to facilitate definition of the clauses involved for the Ref. Doc. Types, Purchase Order, Repair Order and Loan Order. Clauses common to all the documents can be defined by choosing Ref. Doc. Type as 'All'.

2. **Associate Parts** link in the **Manage Logistics Quick Codes** screen is renamed as '**Associate Parts/Suppliers**' to facilitate mapping of a Clause that is specific for a Part and/or Supplier combination.

Exhibit 1: Identifies the **Manage Logistics Quick Codes** screen

3. In the **Associate Parts / Suppliers** screen,

- A new Quick Code Type 'Clauses' is added, and a new Search Criteria 'Supplier #' is added in 'Search On' field.

- A new editable and help enabled field 'Supplier #' is added in the 'Associate Parts' multiline to enable definition of clauses at Supplier level. This field is visible only if the Quick Code Type is selected as 'Clauses'.

Exhibit 2: Identifies the **Associate Parts / Suppliers** screen
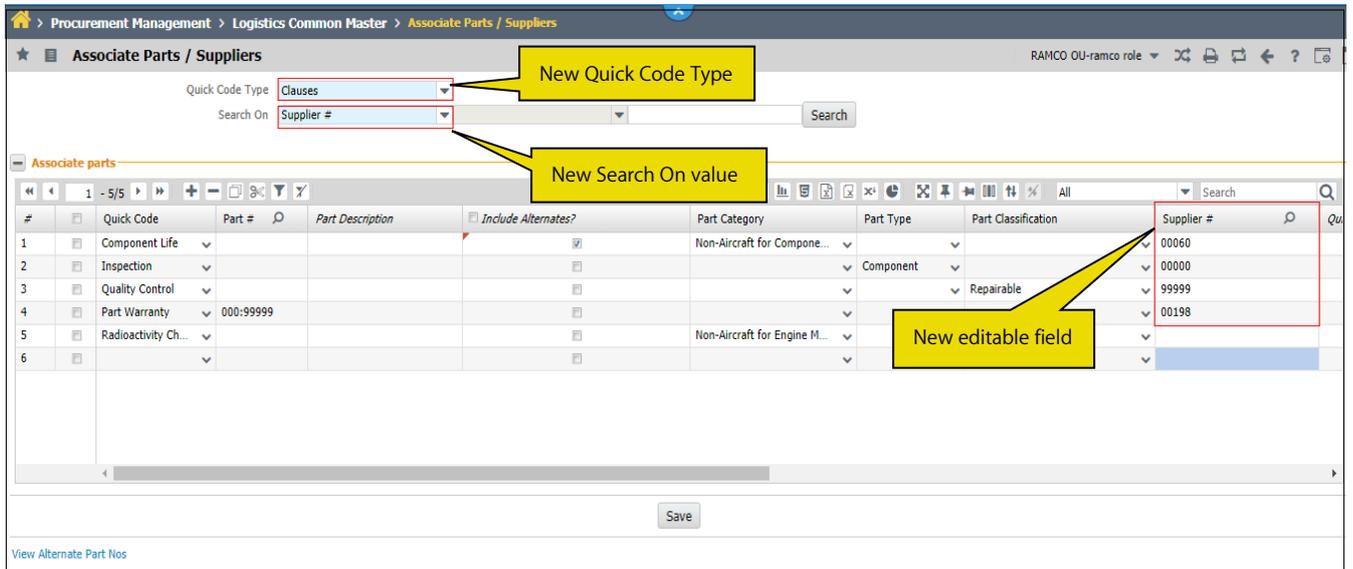
4. A New UI '**Attach Clause**' is added in the **Logistics Common Master** business component. In this screen, the clauses applicable for the specific document will be retrieved as per the master definition. The ones applicable for the specific document can be identified and saved, so that the same gets printed in the Purchase Order Report/Repair Order Report.

Exhibit 3: Identifies the **Attach Clause** screen
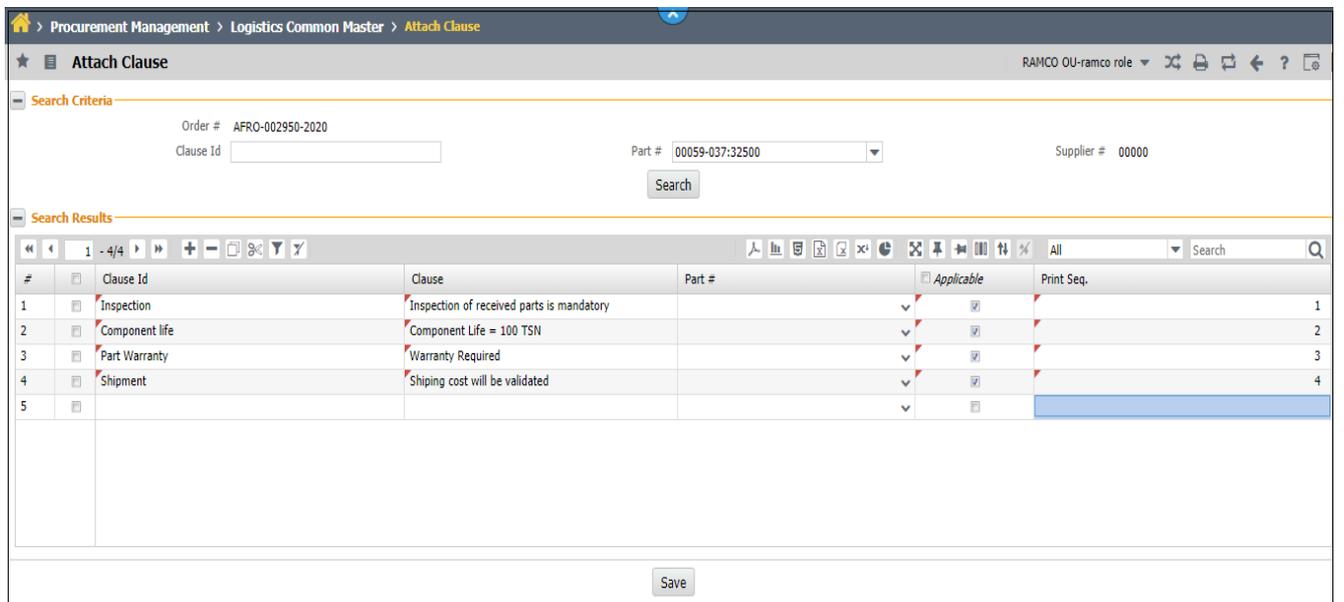
5. A New link 'Attach Clause' is added in the following screens where the Clauses defined in the **Manage Logistics Quick Codes** screen will be retrieved.

- **Create Purchase Order / Edit Purchase Order / View Purchase Order / Amend Purchase Order** screens of **Purchase Order** business component.

- **Create Repair Order / Edit Repair Order / View Repair Order/ Manage Repair Quote** screens of **Repair Order** business component.

- **Create Loan Order / Edit Loan Order / View Loan Order / Amend Loan Order** screens of **Loan Order** business component.

Exhibit 4: Identifies the Attach Clauses link in **View Purchase Order** screen

Exhibit 5: Identifies the Attach Clauses link in **Manage Repair Quote** screen

Exhibit 6: Identifies the link addition in **Edit Loan Order** screen

Exhibit 7: Identifies the Document level and Part level clauses in **Repair Order Report**

Ability to manage procurement of Services on behalf of Customer

Reference: APRP-34

Background

In the business scenario, where one organization manages the procurement on behalf of another organization, there are chances of procuring even the Services like Cleaning, Painting, etc. Business need is to enable raising Purchase Orders of Type 'Service' with Purchase for as 'Customer'.

Change Details

Customer

The following parameter is modified for the Category 'Procurement for Customer' in the **Manage Additional Options** page of the **Create Customer Record** and **Edit Customer Record** activities.

- The Parameter 'Parts purchase on behalf of Customer' is renamed as 'Purchase on behalf of Customer'.

Exhibit 1: Identifies the **Manage Additional Options** screen

Purchase Requisition

Purchase Request can be created and modified for procurement of services for customers.

On creation and modification of the Purchase Request, the system validates the following:

- Ensures that 'PR Type' is selected as "Others" or "Service", if 'Purchase for' is selected as "Customer".
- Ensures that the Part # entered is not a Non-Stockable Part if the 'Purchase for' is selected as 'Customer', if the 'PR Type' is selected as "Others".

Purchase Order

Purchase Order can be created, modified and amended for procurement of 'services' for customers.

If the 'PO Type' is selected as 'Service' or 'Adhoc', then the system lists the 'Purchase for' drop-down field with the value 'Customer' additionally, if the option setting "Purchase Order on behalf of Customer" is set as 'Allowed' in the **Purchase Option Settings** activity.

On creation, modification and amendment of the Purchase Order, the system validates the following:

- If the "Purchase for" is 'Customer', then the system ensures that the Purchase Orders on behalf of Customer is allowed for the 'Pur. For Trading Partner #' as defined in the **Customer** business component.
- If the "Purchase for" is selected as 'Customer', then the system ensures that the Part # is a Stockable Part as defined in the interacting **Part Administration** business component, if "PO Type" is 'General', 'Express' or 'Exchange'.

Ability to record Advance Shipping Note against Customer Order and identify Part level Shipping Cost

Reference: APRP-44, APRP-55

Background

Whenever Parts are shipped by an external organization, Customer/Supplier, it is common that they share the Way Bill in which the Parts are shipped. This gets recorded as Advance Shipping Note in Ramco M&E. Currently, Advance Shipping Note can be recorded against the shipments from Suppliers against Purchase Order/Repair Order/Release Slip/Loan Orders. Business need is to enable recording Advance Shipping Note against Customer shipments made against Customer Order/Rental Order.

Also, Advance Shipping Note sometimes has the Serial/Lot # that is shipped in the shipment along with Freight Cost identified at that level. Provision is required to have them identified in Advance Shipping Note document.

Change Details

The following changes have been done in order to meet the above requirements.

- In the **Create Advance Shipping Note** and **Edit Advance Shipping Note** screens,

    o   A new combo UI Trading Partner Type is added in the ASN Info Section and is loaded with the values 'Customer' and 'Supplier' and a Blank Value.

    o   The Existing control Supplier # in the ASN Info section is renamed as 'Trading Partner #'. The Existing control 'Supplier ASN #' in the ASN Info Section is also renamed as 'Trading Partner ASN #'.

    o   A new editable field 'Remarks' is also added in the ASN Info Section and the Existing control 'Supplier Invoice #' in the ASN details Section is renamed to 'Invoice #'.

    o   In the Parts List multiline, 'Ref. Document' drop-down list box is made to be loaded based on the Trading Partner Type selection. If Trading Partner Type is selected as "Customer", the values listed will be "Customer Order" and "Rental Order".

    o   Mfr. Serial # and Mfr. Lot # columns are added to identify the Serial/Lot # available in the shipment.

    o   'Freight Charge' column is added to identify the Freight cost at Part/Serial-Lot level.

    o   'Part Details' column is added to display the Dimensions and Hazmat properties of Part.

    ✐   *Note: As the Serial/Lot level freight cost identification can also be available in the Shipping Notes sent out, Freight Charge column is added in the Part Details multiline of the **Record Shipping Note** screen of Stock Issue Business Component, which is also displayed in the Shipping Note report*

Exhibit 1: Identifies the changes in **Record Shipping Note** screen

Exhibit 2: Identifies the changes in **View Shipping Note** screen

Exhibit 3: Identifies the changes in **Create Advance Shipping Note** screen

WHAT'S NEW IN GOODS INWARD?

Ability to display the user in Goods Receipt Note document and update the Packaging code and other Packaging attributes for Goods Receipt and Repair Receipt

Reference: APRP-21, APRP-22

Background

This enhancement provides the ability to display the user who created/confirmed/inspected/binned the Part-Serial/Lot #s received in Goods Receipt in the Goods Receipt Note document. Also ability to update the Packaging code and other Packaging attributes for Goods Receipt and Repair Receipt is provided.

Change Details

<u>Goods Inward</u>

A new row will be added below each line item in the **Goods Receipt Note** Document in the **Manage Goods Receipt** activity. This row will display the details of the user who created/confirmed/inspected/binned the Part-Serial/Lot #s received in Goods Receipt, as explained below.

- Created by - Employee Name of the Employee code mapped to the login user who created the receipt.

- Confirmed by - Employee Name of the Employee Code mapped to the user who confirmed the Receipt for the Receipt Line #.

- Inspected by - Employee Name of the Employee Code mapped to the Inspected by Employee available for the Part-Serial/Lot Inspection Line #.

- Binned by – Employee Name of the Employee Code mapped to the Moved by Employee available for the Part-Serial/Lot # movement line #.

Exhibit 1: Identifies the **Goods Receipt Note**

Logistics Common Master

Two new drop-down values 'Regular Purchase' and 'Repair Receipt' are added in the "Ref. Doc. Sub Type" drop-down list box, if the Quick Code Type is selected as 'Package Condition' in the **Manage Logistics Quick Codes** activity. These values enable the user to update the Packaging Code and other Package attributes for Goods Receipt and Repair Receipt.

Exhibit 2: Identifies the **Manage Logistics Quick Codes** screen

Goods Inward

Manage Goods Receipt

In the "Part Details" tab of the multiline, 'Package ID' and 'Package Location' fields are enabled when the 'Ref. Document #' drop-down field is selected as 'Regular Purchase' and 'Repair Receipt' in the "Select Ref. Doc. # / Receipt #" section.

Ability to have Ownership Change on Unserviceable Stock Movement during Advance Exchange

Reference: APRP-81

Background

Exchange of parts between an MRO/ITM organization and their customers is a very frequent activity. Exchange could happen even on an advance basis in which the Source Part is provided by MRO/ITM to their customers even before receiving the parts from customer. Currently, Ownership of the parts received from Customer gets updated only after they are made serviceable. However, many organizations do not get the Unserviceable components repaired as and when the parts are received into inventory, due to various reasons, availability of sufficient stock being one of them.

Business need is to have the Unserviceable stock stored in the Warehouse in Internal Ownership, without losing the Customer Order reference as there could be few excluded Workscope that needs to be billed back to the customers.

Change Details

Logistics Common Master

The following parameters are added in the **Set Inventory Process Parameter** screen of **Logistics Common Master** business component:

Category	Parameter	Permitted Values
Goods Inward - Customer Goods Receipt	Default movement type for the customer parts to be routed for external repair	Enter '1' for 'External Repair' , '2' for 'Binning'
Goods Inward - Customer Goods Receipt	Ownership Change for customer exchanged core units upon binning	Enter '0' for 'Not Required' , '1' for 'Required'
Customer Part Exchange	Core Part Valuation for basis for the Top Assembly Advance Exchanged Core Units upon customer goods receipt	Enter '1' for 'Zero Cost' , '2' for 'Condition based' , '3' for 'Issue Cost' , '4' for 'Valuation method'

Manage Goods Receipt / Inspect Parts (Movement Details Tab)

If the value for the option "Evaluation of Automatic Execution Order Generation Rules for Unserviceable Stock" is defined as '1' (Required) in the **Define Process Entities** screen, the value for the option "Default movement type for the customer parts to be routed for external repair" should be defined as 'Binning.

When Parts are received (which needs to be sent to a Repair Shop for repair) from Customer through a Customer Goods Receipt against a Customer Order which involves an Advance Exchange, the Movement Type will be defaulted as Binning if the value for the Parameter "Default movement type for the customer parts to be routed for external repair" is set as 2 (Binning).

If the option setting "Ownership Change for customer exchanged core units upon binning" is set as '1' (Required), then movement of the parts will not be effected on click of Move Parts. Instead, the Movement Processing Status will be updated as Initiated and the document will be initiated for offline movement, if Binning is not a separate process. If Binning is a separate process, the same will be done on Save and Confirm button click in **Bin Parts** screen.

The documents for which Movement Processing Status is available as Initiated will be processed by a Scheduler (Back-End) and Movement Processing Status will be updated as Processed, effecting the Ownership change for the received parts, while retaining the Customer Order reference. The stock in the Unserviceable Warehouse can be viewed in Internal Ownership with the Customer Order reference in the **Route Unserviceable Components/Parts** screen, from where the parts could be routed for repair as required.

The value of the Internal Owned stock will be updated based on the value defined for the option 'Core Part Valuation for basis for the Top Assembly Advance Exchanged Core Units upon customer goods receipt'.

Exhibit 1: Set Options in the **Set Inventory Process Parameters** screen under Goods Inward – Customer Goods Receipt category

Exhibit 2: Set Options in the **Set Inventory Process Parameters** screen under Customer Part Exchange category

Exhibit 3: New columns added in the Movement Details tab of **Manage Goods Receipt** screen

WHAT'S NEW IN STOCK MANAGEMENT?

Ability to Identify Component Removal Assessment Information during Customer Goods Receipt/Rental Receipt

Reference: APRP-776

Background

Whenever Parts are received from Customer, (on Exchange/Rental Basis) evaluation of the same for Repair based on certain rules happens. For this evaluation, the last removal information, including Removed from A/C Reg. #, Removal Reason, Removed Date/Time, etc. of the Part is needed. Business need is to identify this information during Customer Goods Receipt and Rental Receipt.

Change Details

Customer Goods Receipt

A new screen **'Update Component Removal Assessment Data'** is added in **the Goods Inward** business component, that gets launched through the link **CRAD** available in the **Inspect Parts** screen. This screen will facilitate the definition of Removed from A/C Reg. #, Removal Reason, Component Reliability Indicators and other vital information which gets used for tracking the reliability of a part and/or identification of the eligibility for automatic routing to Repair through Repair Automation Rules. Entry of this information is mandatory before Confirmation of Inspection based on the option "Component Removal Assessment Data Mandatory for Inspection", added in the **Set Inventory Process Parameters** screen.

The 'CRAD' column will be displayed in the **Inspect Parts** screen only if the Receipt Type is 'Customer Goods Receipt'. The value in this column will indicate if the information is already entered or not. If information is saved, it will display as 'Entered'. If information is not saved, it will display as 'Pending'.

Exhibit 1: Identifies the **Update Component Removal Assessment Data** Screen

Exhibit 2: Identifies the new column added in **Inspect Parts** Screen

Loan/Rental Receipt:

New link **Update Component Removal Assessment Data** is added in the **Create Loan / Rental Receipt, Edit Loan / Rental Receipt, View Loan / Rental Receipt** screens of the **Loan / Rental Receipt Component**. It is applicable only for the Receipt Type 'Rental Receipt'.

Exhibit 3: Identifies the link added in **Edit Loan / Rental Receipt** screen
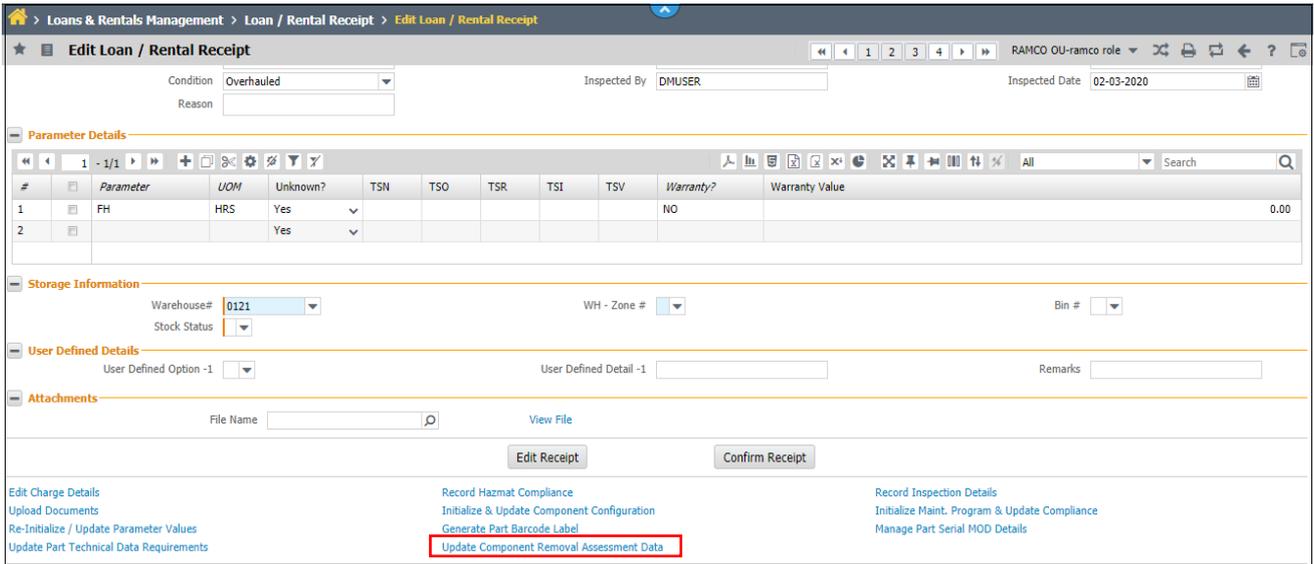
Confirmation of a Rental Receipt will be restricted if the option "Component Removal Assessment Data" is set as Mandatory in the **Purchase Option Settings** screen.

Exhibit 4: Identifies the parameter added under Category 'Loan/Rental Receipt' in **Purchase Option Settings** screen
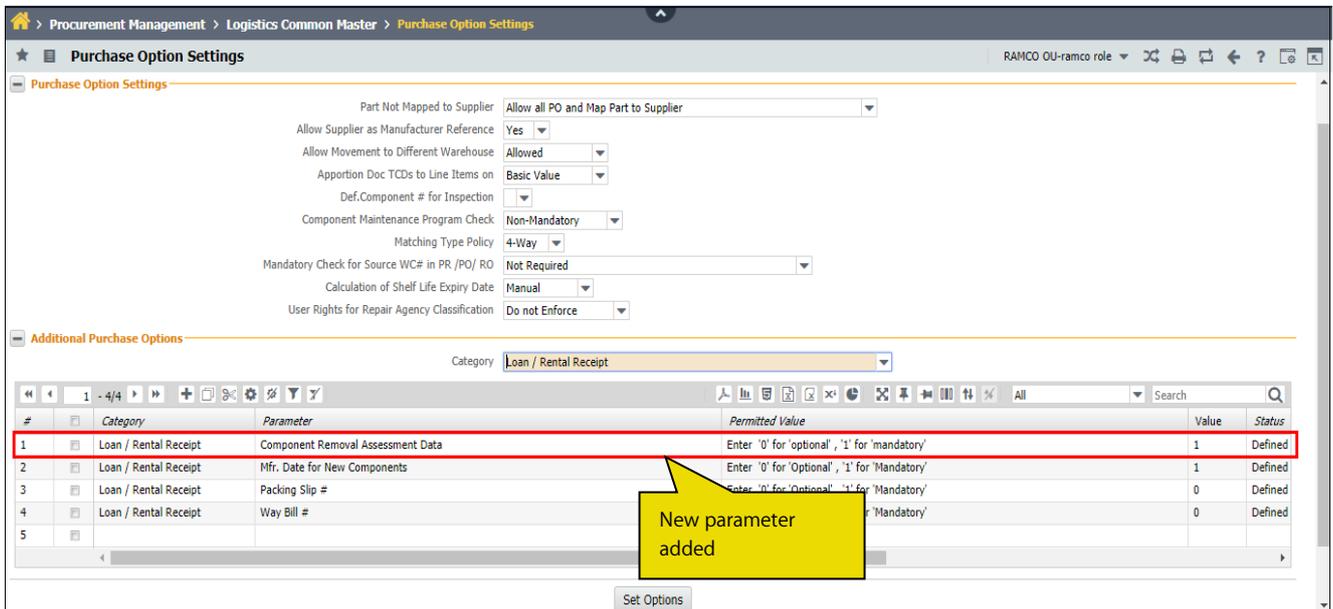
Ability to update Part Technical Data Requirements information for Parts received in GI / LRR

Reference: APRP-54

Background

Part Technical Data Requirements are policies defined by an organization with respect to Technical aspects of the Part, such as Time Since New, Time Since Overhaul, and other parameter details, along with attributes like availability of Back to Birth certificates, Repair/Calibration certificates, Mod Compliances, etc. which are mandatory to be maintained, whenever they are transacted with Customers. Thus, it becomes mandatory to identify the Technical Data of the Parts received with respect to the Customer requirements. This enhancement will provide user the ability to record the Technical Data for the Parts during Goods Receipt and Loan/Rental Receipt processes.

Change Details

A new column 'PTDR' is introduced in the **Inspect Parts** screen under **Goods Inward** business component to launch the **Record Part Technical Data** screen.

If the definition exists for the Part in **Manage Part Technical Data Requirements** screen and the required values are not entered it will display 'Pending', and if the values are entered it will display 'Entered'. If the Part Technical Data Requirements are not applicable for the Parts, it will be blank.

Exhibit 1: Identifies the **Inspect Parts** screen
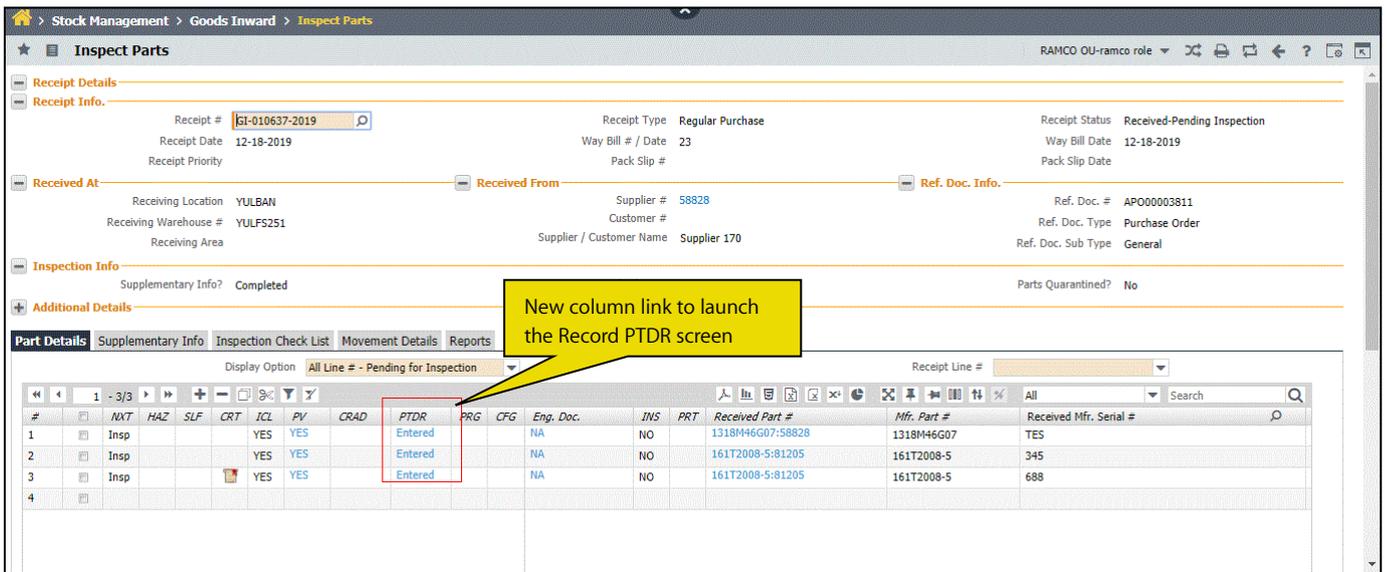
The link **Update Part Technical Data Requirements** is added in **Create Loan / Rental Receipt**, **Edit Loan / Rental Receipt** and **View Loan / Rental Receipt** screens under **Loan / Rental Receipt** business component to launch the **Record Part Technical Data** screen.

Exhibit 2: Identifies the **Create Loan / Rental Receipt** screen

Exhibit 3: Identifies the **Edit Loan / Rental Receipt** screen

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Exhibit 4: Identifies the **View Loan / Rental Receipt** screen

A new UI **Record Part Technical Data** is added under **Manage Part Technical Data Requirements** activity in **Part Administration** business component. This screen has two tabs, 'Parameter Values' and 'Checklist Requirements' that retrieve the Technical Data Requirements defined for a Part in the **Part Administration** business component, for the Parts received in the Goods Inward and Loan/Rental Receipt documents. If the values are not available, the requirements can be over-ridden by providing appropriate remarks.

The values updated in the Parameter Values tab will be updated against the Component on save against the Receipt document #.

Exhibit 5: Identifies the **Record Part Technical Data** screen (Parameter Value Requirements)
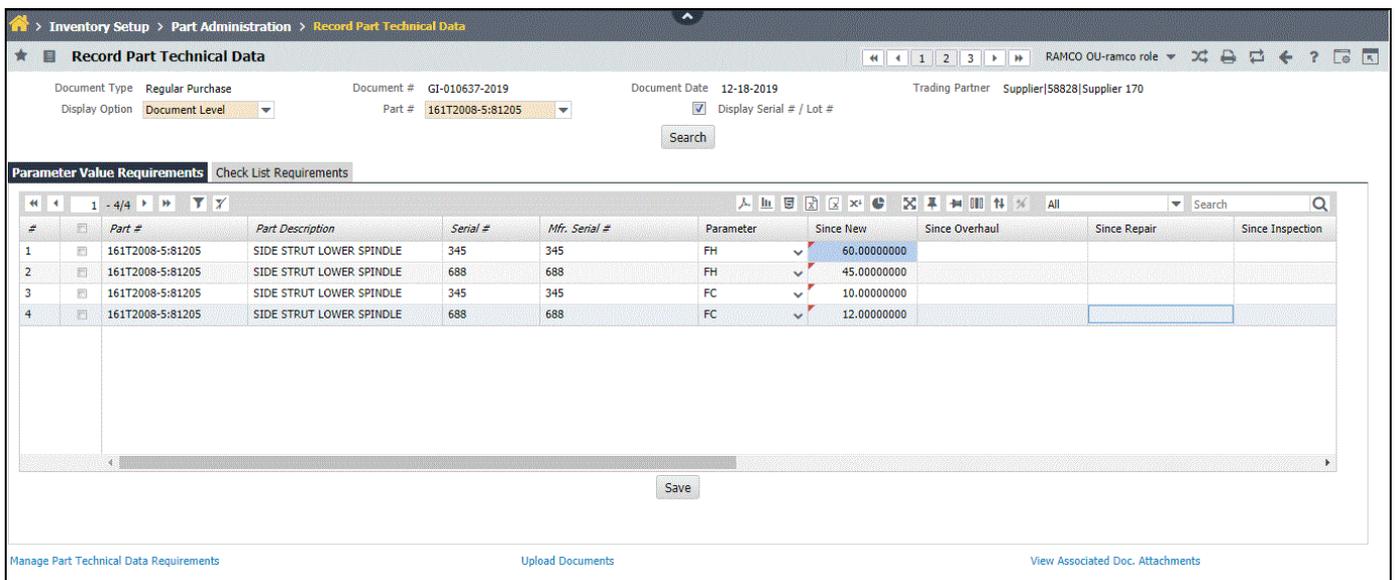
Exhibit 6: Identifies the **Record Part Technical Data** screen (Check List Requirements Tab)

Ability to value the scrapped parts at Zero Cost, when received into Inventory

Reference: APRP-20

Background

This enhancement provides the ability to value the scrapped parts as Zero during Repair Receipt/Stock Return, if the part is identified to be scrapped. Based on the value defined for the parameter, the value of the scrapped parts will be updated as Zero during Repair Receipt and during Stock Return.

Change Details

Logistics Common Master

The following parameters are added in the **Set Inventory Process Parameters** activity of the **Logistics Common Master** business component.

- Parameter "Value the Parts identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory" is added under the Category 'Condition Based Valuation' with the following permitted values:

    o 0(No) - Does not value the Parts identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory.

    o 1(Yes) - Values the Parts identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory.

- Parameter "Value the Exchanged Sub-Assembly Core brought into inventory as Zero, when they are identified for scrap (through Repair order or Work Order)" is added under the Category 'Customer Part Exchange' with the following permitted values:

    o 0(No) - Does not value the Exchanged Sub-Assembly Core identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory.

    o 1(Yes) - Values the Exchanged Sub-Assembly Core identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory.

- Parameter "Value the Exchanged Top-Assembly Core brought into inventory as Zero, when they are identified for scrap (through Repair order or Work Order)" is added under the Category 'Customer Part Exchange' with the following permitted values:

    o 0(No) - Does not value the Exchanged Top-Assembly Core identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory.

    o 1(Yes) - Values the Exchanged Top-Assembly Core identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory.

Exhibit 1: Identifies the parameter added under Category 'Condition Based Valuation' in **Set Inventory Process Parameters** screen

Exhibit 2: Identifies the parameter added under Category 'Customer Part Exchange' in **Set Inventory Process Parameters** screen

<u>Goods Inward</u>

On select of the "Move Parts" checkbox and on click of "Save" and "Confirm Receipt" pushbuttons in the **Manage Goods Receipt** screen, the system updates the part value as per the following logic:

- If the Receipt Type is 'Repair Receipt' and if the Part-Serial/Lot # received is available in the Quote Line is marked as BER with Salvage Action as 'By Operator', then the system checks if the Repair Order has a Customer Order reference which is an initiating document for any Exchange Orders with Exchange Request Status as 'Closed'. If 'yes', the system checks the value for the parameter "Value the Exchanged Top-Assembly Core brought into inventory as 'Zero', when they are identified for scrap (through Repair Order or Work Order)" in the **Set Inventory Process Parameters** screen.
  - o If parameter is set as '1', then the system updates the value of the received item as Zero.
  - o If parameter is set as '0', then the system updates the value as per the existing valuation methodology (Valuation Option setting).

- If the Receipt Type is 'Repair Receipt' and if the Part-Serial/Lot # received is available in the Quote Line is marked as BER with Salvage Action as 'By Operator', then the system checks if the Repair Order is an initiating document for any Exchange Orders with Exchange Request Status as Closed. If 'yes', the system checks the value for the parameter "Value the Exchanged Sub-Assembly Core brought into inventory as 'Zero', when they are identified for scrap (through Repair order or Work Order)" in the **Set Inventory Process Parameters** screen.
  - o If parameter is set as '1', then the system updates the value of the received item as Zero.
  - o If parameter is set as '0', then the system updates the value as per the existing valuation methodology (Valuation Option setting).

- If the Receipt Type is 'Repair Receipt' and if the Part-Serial/Lot # received is available in the Quote Line is marked as BER with Salvage Action as 'By Operator', then the system checks if the Repair Order has a Customer Order reference which is a initiating document for any Exchange Orders or Repair Order is a initiating document for any Exchange Order, with Exchange Request Status as 'Closed'. If 'No', the system checks the value for the parameter "Value the Parts identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory" in the **Set Inventory Process Parameters** screen.
  - o If parameter is set as '1', then the system updates the value of the received item as Zero.
  - o If parameter is set as '0', then the system updates the value as per the existing valuation methodology (Issue Cost + Spare Cost + Repair Cost (Based on Add to Stock Option)).

<u>Stock Return</u>

The part value update happens in the **Edit Material Return** and **Confirm Return** screens as per the following logic:

- If the Return Type is 'Maintenance Return' and if the Ref. Document # is a Work Order with Customer Order reference and the Final Disposition code of the Work Order has Recommendation for Phase-Out as 'Yes', then the system checks if the Work Order has a Customer Order reference which is a initiating document for any Exchange Orders with Exchange Request Status as 'Closed'. If 'yes', the system checks the value for the parameter "Value the Exchanged Top-Assembly Core brought into inventory as Zero, when they are identified for scrap (through Repair Order or Work Order)" in the **Set Inventory Process Parameters** screen.

  o If parameter is set as '1', then the system updates the value of the received item as Zero.

  o If parameter is set as '0', then the system updates the value as per the existing valuation methodology (Valuation Option setting).

- If the Return Type is 'Maintenance Return' and if the Ref. Document # is a Work Order with Customer Order reference and the Final Disposition code of the Work Order has Recommendation for Phase-Out as 'Yes', then the system checks if the Work Order is a initiating document for any Exchange Orders with Exchange Request Status as 'Closed'. If 'yes', the system checks the value for the parameter "Value the Exchanged Sub-Assembly Core brought into inventory as Zero, when they are identified for scrap (through Repair order or Work Order)" in the **Set Inventory Process Parameters** screen.

  o If parameter is set as '1', then the system updates the value of the received item as Zero.

  o If parameter is set as '0', then the system updates the value as per the existing valuation methodology (Valuation Option setting).

- If the Return Type is 'Maintenance Return' and if the Ref. Document # is a Work Order without Customer Order reference and the Final Disposition code of the Work Order has Recommendation for Phase-Out as 'Yes', then the system checks if the parameter "Value the Parts identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought into Inventory" in the **Set Inventory Process Parameters** screen.

  o If parameter is set as '1', then the system updates the value of the received item as Zero.

  o If parameter is set as '0', then the system updates the value as per the existing valuation methodology (Main Core Issue Cost + SWO Cost (based on Add to Stock Option)).

Ability to display Part Planning Group during Part Inquiry

Reference: APRP-707

Background

Parts can be grouped using Part Group for various Purposes. One of the key purposes for grouping the parts is Inventory Planning. The Part Group defined for this purpose is termed as Part Planning Group. It is essential for the visibility of the Part Planning Group for various purposes, mainly during Stock Inquiries. Business need is to display the Part Planning Group in places where the part is inquired and also retrieve the parts using the Part Planning Group.

Change Details

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

1. A new combo value 'Part Planning Group' is added in the search criteria's Part # combo of **Inquire Stock Availability** screen of **Stock Maintenance** business component.

2. A new column 'Part Planning Group' is added in the Search Results multiline in **Inquire Stock Availability** screen to fetch the Part Planning Group of the respective row's Part #.

Exhibit 1: Identifies the **Inquire Stock Availability** screen

3. A new column 'Part Planning Group' is added in the 'Material Count Summary' multiline in **Inquire Material Count and Location Information** screen of **Stock Maintenance** business component to fetch the Part Planning Group of the respective row's Part #.

Exhibit 2: Identifies the **Inquire Material Count and Location Information** screen
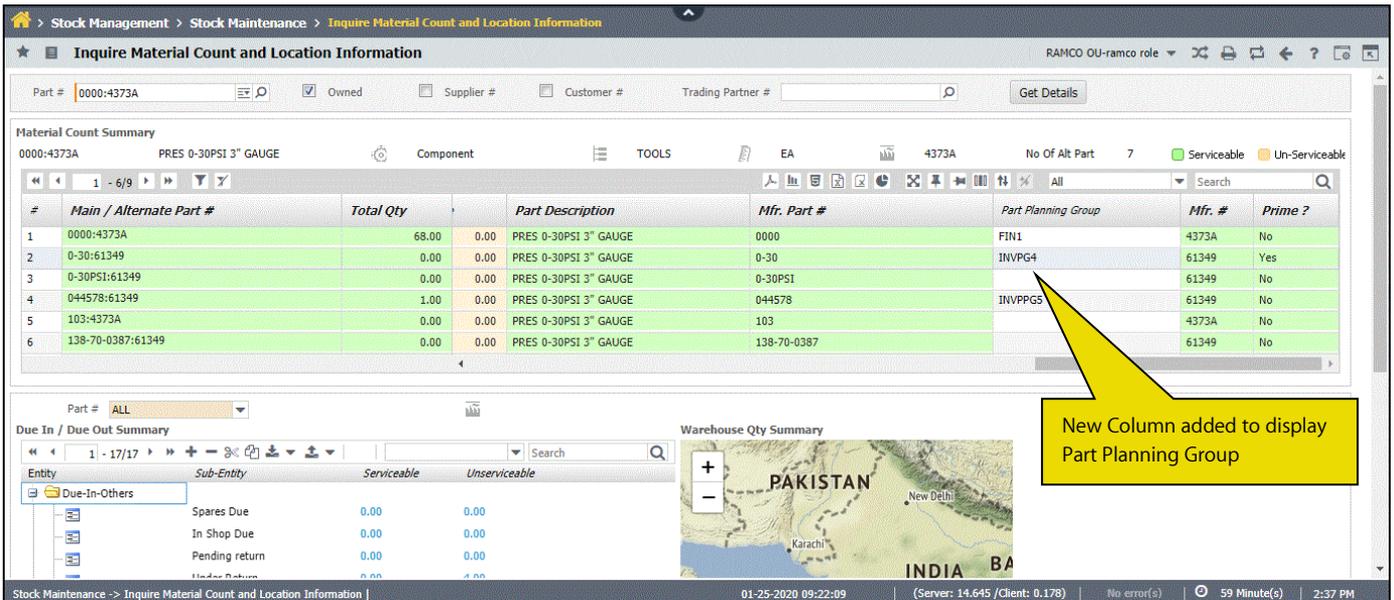
4. A new search criteria 'Part Planning Group' combo which loads all the active Part Planning Groups is added in the **Help on Part #** screen under **Part Administration** business component.

5. A new column 'Part Planning Group' is added in the Search Results multiline in **Help on Part #** screen of **Part Administration** business component to fetch the Part Planning Group of the respective row's Part #.

Exhibit 3: Identifies the **Help on Part #** screen
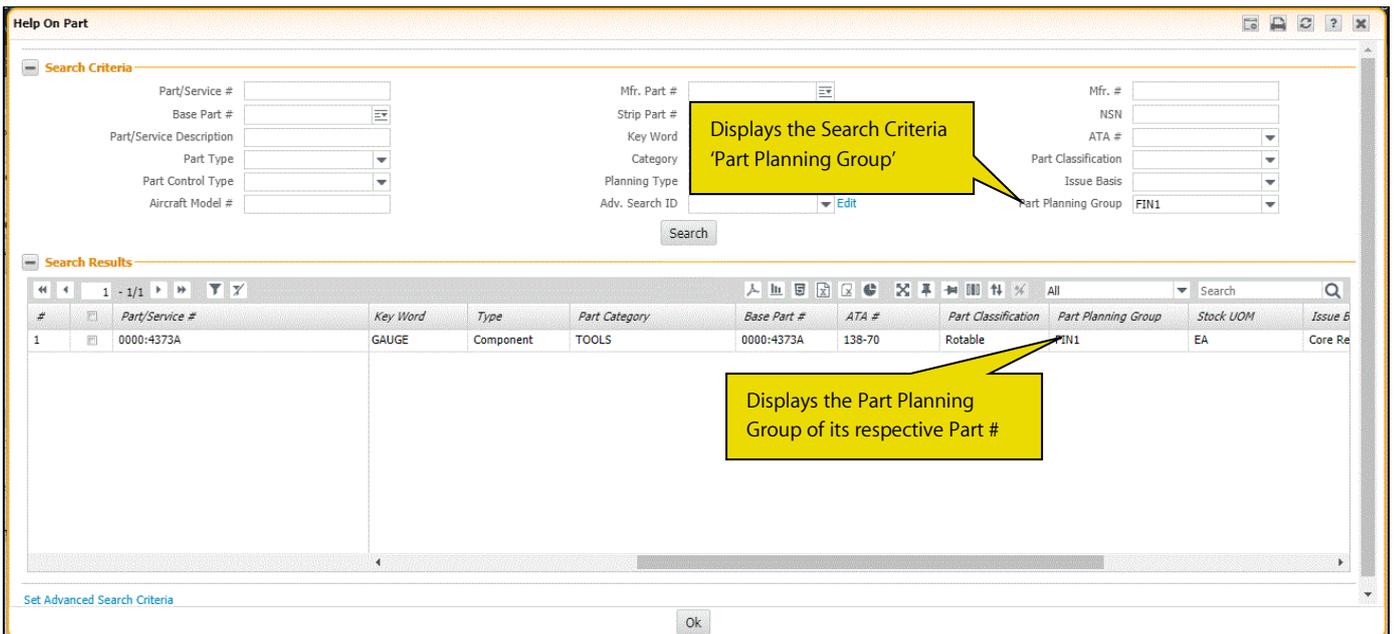
WHAT'S NEW IN WARRANTY?

Automatic Generation of the Component Warranty

Reference: APRP-48

Background

Currently, Parts received from suppliers under warranty are not tracked for every instance. So, if it is required to view all the Components under warranty, user has to create component warranty manually for the components received within the warranty period as identified in the part warranty/aircraft warranty agreement available with the Supplier. In case, if Component Warranty is not manually defined, then the component can be identified if it is under warranty or not only during unscheduled removal. Now based on the set option the automatically component warranty instance will be generated if the component is received in Purchase Order/Repair Order.

Change Details

The following set options are added in the **Purchase Option Settings** screen of the **Logistics Common Master** business component, under the category "**Warranty**".

1. Automatic generation of Warranty Reference # for Component parts on Goods Receipt.
2. Status of the Warranty Reference # that is automatically generated upon Receipt.

When the option "Automatic generation of Warranty Reference # for Component parts on Goods Receipt" is set as required, the owned parts received against Purchase Order based Receipt and Repair Order based Receipt will be evaluated for availability of a valid Part/Aircraft Warranty Agreement references and/or warranty terms in the Purchase or Repair Order referred. Based on the availability, Component Warranty will be generated on Movement of Parts to stock.

The status in which the Component Warranty gets generated will be determined by the other option, "Status of the Warranty Reference # that is automatically generated upon Receipt", along with the Warranty Start Reference defined in the Warranty Agreement.

Exhibit 1: Set options in the **Purchase Option Settings** screen

WHAT'S NEW IN STOCK RETURN?

Ability to return parts against Sale Order

Reference: APRP-12

Background

Parts provided to customer on Sale basis could be returned for various business reasons. These parts should be accepted into inventory with accounting and billing properly managed. Currently, parts returned against sale order needs to be received through unplanned transactions and Accounting/Posting should be manually adjusted in Ramco M&E. Business need is to enable return of Parts issued against a Sale Order through General Return, as General Issue is used for Part Sales Issue.

Change Details

In the **Create/Edit General Return** screens, provisions are made to retrieve the parts to be returned against the Sale Order, by providing search criteria such as Ref. Document Type (Part Sale Order) and Ref. Document #, along with the Issued Mfr. Serial/Lot # and Issued Internal Serial/Lot #. General Issues made against Part Sale Orders can be identified easily using these filters and Return can be recorded. Validations have been handled to ensure that Serial/Lot # is not modified during Return against Sale Order based Issue. Also, Returned Qty has been updated against the Part Sale Order line # in back end, using which Reports can be built to identify the Part Sale Orders with return Qty. The invoicing can be adjusted using those reports.

Exhibit 1: Identifies search filters added in the **Create General Return** screen

WHAT'S NEW IN STORAGE ADMINISTRATION?

Ability to Identify AOC for a Warehouse

Reference: APRP-65

Background

Aircraft operators are provided with the Air Operator Certificate (AOC) by the National Aviation Authority. The Air Operator Certificate gets issued by the regulatory, evaluating even the supporting systems like Warehouses. So, the parts stocked in a given warehouse should comply the regulatory requirements established for AOC compliance. Business need is to identify the AOC corresponding to a Warehouse.

Change Details

In the **Set Warehouse Process Parameters** screen of the **Storage Administration** business component, new parameter "Air Operator Certificate (AOC) #" is added under the Category "Others" for the Specific Warehouse #. In the 'Value' column, user can enter the certificate number.

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

WHAT'S NEW IN CYCLE COUNT SHEET?

Ability to search for Parts to be added in Cycle Count Sheet based on Percentage of Parts available in Plan

Reference: APRP-35

Background

Cycle Counting gets performed for a selected set of Parts from the ones identified for Counting, through the Cycle Count Plan. The definition of the Parts to be counted in general gets defined through the percentage of Parts available in the Plan and not by an exact number, as available now. Business need is to identify the parts to be counted in terms of their Percentage in Cycle Count Plan.

Change Details

In **Create Cycle Count sheet on plan basis** screen, "% of Parts for CC sheet" control is added in the "Other Details" section. Based on the value entered in this field and the number of Parts pending to be counted in the CC Plan, the Parts for Cycle Count Sheet gets identified.

Also, the caption of the button "Confirm Count Sheet" is changed as "Create & Confirm Count Sheet", as it performs both the functions.

Exhibit 1: Create Cycle Count Sheet on Plan Basis

WHAT'S NEW IN INDIAN GST?

Auto default GST and TDS in Service PO based invoices and Direct Invoices

Reference: APRP-84

Background

Currently, the supplier groups are defined based on geographies or supplier nature for taxation and reporting purpose. TDS is not considered as a group type for the creation of supplier group codes. In this enhancement, the supplier group type 'TDS/WHT' is added newly for the creation of Supplier Group Codes, thus facilitating auto default of GST and TDS for Service Procurements.

Change Details

Supplier

A new group type 'TDS/WHT' is added in 'Supplier Group Details' section of the **Manage Supplier Group** activity of the **Supplier** business component. This supplier group provides the ability to default GST and TDS in Service Purchase Order based Invoices and Direct Invoices.

Exhibit 1: Identifies the **Manage Supplier Group** screen
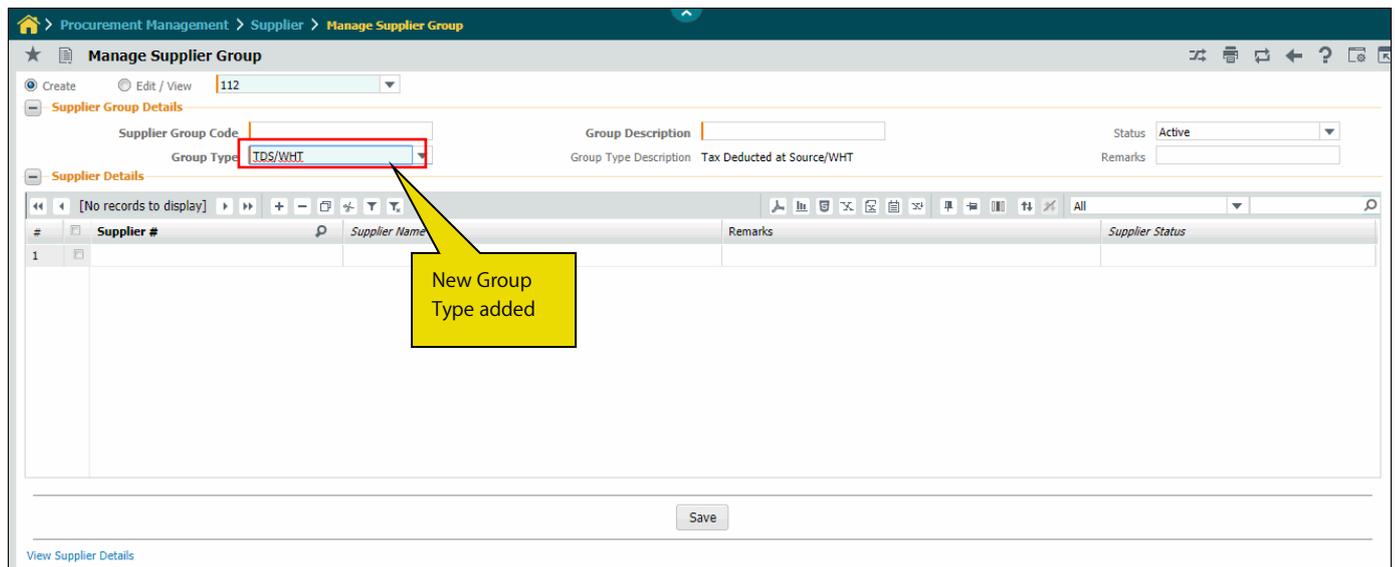
Tax Charges & Discounts

The following changes are done in the **Manage Purchase Tax Rules** activity of the **Tax Charges & Discounts** business component.

- A new drop-down value "Tax Type" is added in the 'Search On' field of the 'Search Criteria' section. When this values is selected, the adjacent drop-down list box lists all the Tax Types defined in the **Tax Charges & Discounts** business component

- A new display column "Supplier Group Type" is added and it is retrieved automatically on selecting the 'Supplier Group' in the multiline.

- A new display column "Tax Type" is added and it retrieves the value from the **Specify Tax Attributes** screen for the selected Tax Code - Variant Code combination.

  ✎ *Note: When the Supplier Group Type corresponding to the Supplier Group Code selected is 'Tax', the tax type as defaulted for the tax code from the **Specify Tax Attributes** screen should be of type Tax (E.g. Indian GST). If the Group Type is TDS, then the tax type as defaulted for the tax code from the **Specify tax attributes** screen should be of type 'TDS'.*

Exhibit 2: Identifies the **Manage Purchase Tax Rules** screen

Ability to identify the Taxable amount for Capital Parts during Stock Transfers across Tax Regions

Reference: APRP-19

Background

This enhancement provides the ability to default the Taxes applied over the Standard Cost of the Part during Stock Transfer Issue/Receipt, if the Part's Expense Type is 'Capital'. Based on the new option setting in **Set Inventory Process Parameters** screen, the Standard Cost of the Part will be considered as the Taxable amount. Taxes will be applied as per the Purchase/Sales Tax Rules during Stock Transfer Issue/Receipt.

Change Details

Logistics Common Master

A new parameter "Consider Standard Cost of the Part as the Taxable Amount for Parts of Expense Type 'Capital'" is added under the Category 'Stock Transfer' in the **Set Inventory Process Parameters** screen. The following are the permitted values:

- '0'(Not Required) – Taxable Amount for Parts of Expense Type 'Capital' will be considered as zero.

- '1'(Required) - Standard Cost of the Part will be considered as the Taxable Amount for Parts of Expense Type 'Capital'.

Exhibit 1: Identifies the **Set Inventory Process Parameters** screen
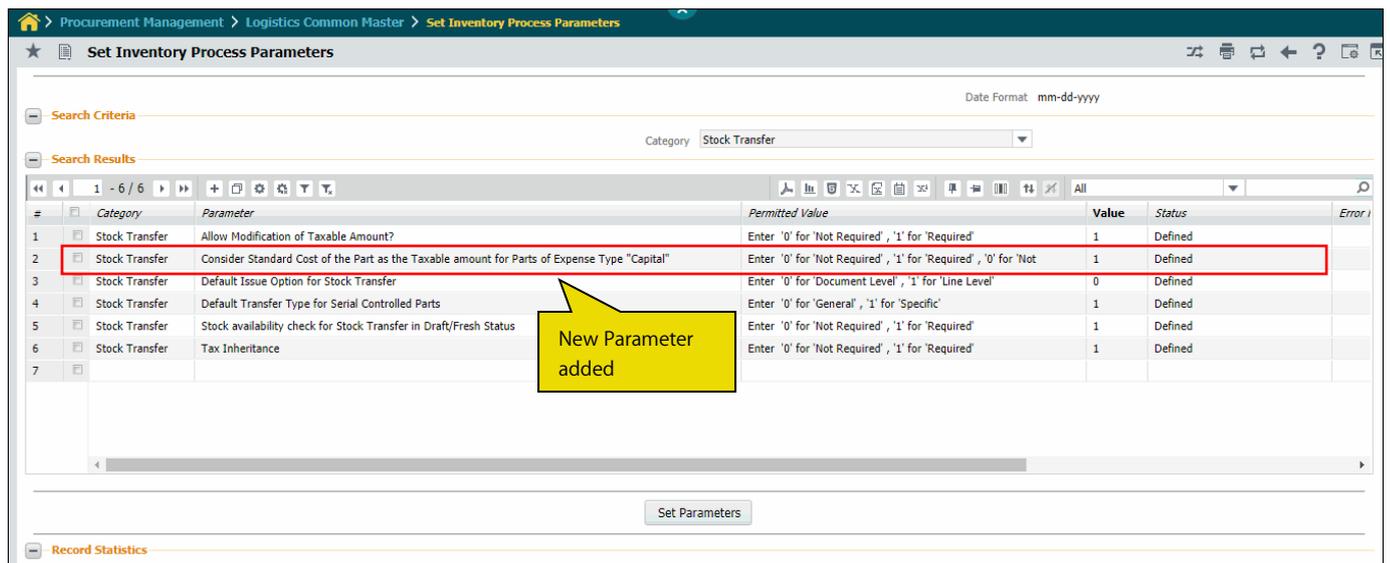
Stock Issue/Stock Receipt

If the parameter "Tax Inheritance" is set as 'Required' and if the parameter "Consider Standard Cost of the Part as the Taxable Amount for Parts of Expense Type 'Capital'" is set as '1' in the **Set Inventory Process Parameters** screen:

- When confirming Issue, the system checks the Sales Tax Rules defined for the 'Capital' Parts under Document type 'Stock Transfer Issue' in **Manage Sales Tax Rules** Screen of **Sales Tax Rules** business component and identifies the taxable amount as the Standard Cost of the Transferred Part as defined in the **Create Parts Main Information** of the **Part Administration** business component.

- When confirming receipt, the system checks the Sales Tax Rules defined for the 'Capital' Parts under Document type 'Stock Transfer Receipt' in **Manage Purchase Tax Rules** Screen of **Tax Charges & Discounts** business component and identifies the taxable amount as the Standard Cost of the Transferred Part as defined in the **Create Parts Main Information** of the **Part Administration** business component.

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Ability to generate and process E-Way Bill

Reference: APRP-9

Background

Indian GST was introduced as a revolutionary policy to regulate the Indirect Taxation in India. As part of this policy, it is mandatory for any organization (be it registered/not), to generate an electronic Way Bill that needs to accompany any consignment whose value is more than 50,000 INR. The recipient needs to accept/reject this Way Bill, on receipt of the consignment. Requirement is to manage generation/cancellation/acceptance/rejection of E-Way bills using Ramco by integrating with Government portal. In this enhancement, a new activity has been provided for executing actions like Generation/Cancellation/Validity Extension/Update/Accept/Reject/Consolidate/Re-Generation which can be accomplished by registered IT Vendors who are termed as GSP (GST Suvidha Provider).

Change Details

Organization Setup

New Identification Reference value 'GSP USERNAME/PASSWORD' in the 'Identification Ref.' field and a new field 'Password' for the Identification Reference value are added in the "Identification Details" multiline of the **Maintain Entity Level Identification Ref.** activity of the **Organization Setup** business component.

Exhibit 1: Identifies the **Maintain Entity Level Identification Ref.** screen:
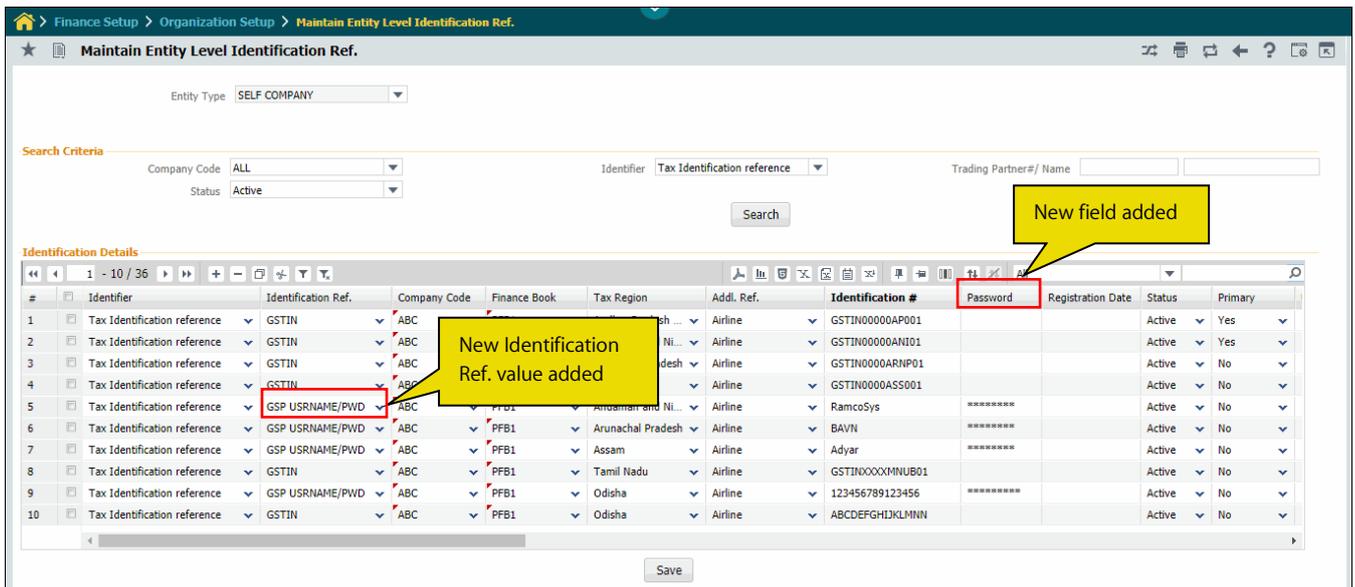
Stock Maintenance

A new activity **Manage Indian GST E-Way Bill** is introduced under the **Stock Maintenance** business component in the **Stock Management** business process. This screen manages the E-Way Bills for the Shipping Notes generated against Stock Transfer Issues.

- The 'From Tax Region' drop-down list box lists all the Tax Regions for the login Company Code, for which the Identification Ref. GSP Username is defined.

- The 'Action' drop-down list box lists the following values along with the blank value:

- o   Generate

- o   Update Validity

- o   Accept

- o   Cancel

- o   Reject

- o   View

In the 'Tiles View' section,

- The system displays the following tiles with the count of the EWB Identification #s in the respective statuses as applicable for the Tax Region - Action combination:

  - o   Pending Initiation

  - o   Pending Confirmation

  - o   Generated E-Way Bills

  - o   Rejected E-Way Bills

  - o   Error Documents

  - o   Under Processing

  - ✎   *Note: If the Action is 'Generate', the Tile 'Generated E-Way Bills' and 'Rejected E-Way Bills' will not be displayed.*

  - ✎   *If the Action is 'Update Validity', 'Cancel', 'Accept' and 'Reject', the Tile 'Rejected E-Way Bills' will not be displayed.*

  - ✎   *'Pending Initiation' tile will display the number of Shipping Notes for which Save of the details is not made.*

  - ✎   *'Under Processing' tile will display the records for which the E-Way Bill Integration is yet to be processed for the selected action.*

In the 'Search View' section,

- Select the "Document Type" drop-down list box which could be 'Shipping Note' or 'E-Way Bill'.

- Select the "Status" drop-down list box which lists the values based on the Document Type selected.

  - o   If the document type is 'Shipping Note', then the value 'Confirmed'.

  - o   If the document type is 'E-Way Bill #', then the system lists the following along with a blank value:

    - I.   Pending Confirmation (Irrespective of the action selected)

    - II.   Generated (If action selected is other than Generate)

    - III.   Cancelled (If action selected is View)

    - IV.   Accepted (if action selected is View)

    - V.   Rejected (if action selected is View)

    - VI.   Error (Irrespective of the action selected)

- The search is also performed using the 'Document #', 'Carrier Code', 'Trading Partner #', 'Trading Partner Name', 'Part Info' and 'To Tax Region' fields.

In the 'E-Way Bill Information' multiline,

- The Indicator displays the icon with different colors specifying the processing status of the records.

  - o   Red color if status is error or if the EWB Validity is over, but still the line is in Generated status.

  - o   Yellow color if status is Pending Validation/Pending Confirmation.

- o   Orange color if status is Generated.
- o   Green color if the status is Accepted.
- o   Grey color if the status is Cancelled/Rejected.

- The "Ref. Doc. Value" indicates the total Value for the Shipping Note (identified from the referred Tax details entered for the Stock Transfer Issue, displayed in Base Currency, after summing up the value at Part # level).

- The 'CGST Value', 'SGST Value' 'IGST Value' and 'Cess' fields displays the corresponding values available in the Stock Transfer Issue document after summing up at Part # level (Displayed in Base Currency).

- Select the 'Transport Mode', 'Vehicle Type' and 'Carrier Code' of the Shipping Note.

- Select the 'Supply Type' drop-down list box which could be 'Outward' or 'Inward'.

- Select the 'Sub-Supply Type' drop-down list box to specify the sub supply type of the shipment. The system lists the values 'Supply', 'Import', 'Export', 'Job Work', 'Job Work Returns', 'SKD/CKD', 'Recipient not known', 'Exhibition or fairs', 'Line Sales', 'Sales Return', 'For Own Use' along with a blank value.

- The 'Carrier GSTIN', 'Consignment Status', 'Transit Type', 'No of Transportation Days' are the details saved in the Shipping Note Document.

- 'Cancellation Remarks', 'Rejection Remarks', 'Validity Update Remarks', 'Cancelled by', 'Rejected by', 'Validity Extended by', 'Reason for Cancellation', 'Reason for Validity Extension' are the details saved against the Shipping Note.

- Click the "Save" pushbutton to save the entered details for performing the selected action in E-Way Bill processing.

- Click the "Confirm" pushbutton to initiate the processing of the selected action. The selected action will be accomplished through the E-Way Bill system post confirmation. If any errors are found, the records will be classified as Error records and the errors will be displayed in Message Center.

- Select the "Upload Documents" link to upload the documents for the E-Way Bill.

- Select the "View Associated Doc. Attachments" link to view the associated document attachments of the E-Way Bill.

- Select the "Generate Shipping Note Report" link to generate the shipping note report.

- Select the "Print Delivery Challan / Tax Invoice" link to print Delivery Challan / Tax Invoice.

Exhibit 2: Identifies the **Manage Indian GST E-Way Bill** screen:

✏ *Limitation:*

o *This release currently supports E-Way Bill processing only for single issue with single Shipping Note transaction. E-Way Bill processing for multiple Issues with single Shipping Note will be handled in the future release.*

o *Provision to Update validity, Accept/Reject by calling the respective functions in E-Way bill system will be provided in upcoming release*

WHAT'S NEW IN WarehouseAnywhere?

Minor enhancements in Putaway and Picklist

Reference: APRP-7

Background

The **Warehouse Anywhere** App which has been developed to help warehouse in-charge/clerks to efficiently manage inventory operations like Goods Receipt, Stock Transfer Receipts, Stock Issues, Corrections, Inquiry, Cycle Counting, Putaway/Picklist, has been enhanced periodically to meet various business requirements. The App is now enhanced to provide the following capabilities in Putaway and Picklist screens to improve user experience.

- Ability to complete picking of the Parts from the Serial/Lot Info screen
- Display the action "Go to Next Zone-Bin" in different color
- Restrict placement of Parts in different Zone-Bin

Change Details

Storage Administration

1. A new parameter is added under the Parameter Category 'WarehouseAnywhere Application' in the **Set Warehouse Process Parameters** activity of the **Storage Administration,** to restrict placement of parts in Zone-Bin different from the one defaulted during Putaway process.

   - **Parameter**: Alert required during Putaway of Parts in a different Zone-Bin?
   - **Permitted Values**: Enter '0' for 'No' , '1' for 'Yes'

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

WarehouseAnywhere App:

2. In the **Serial/Lot** Info screen, in the success message for picking a serial/lot #, the action 'Continue Picking' is displayed, if there is some more parts to be picked in the selected Zone-Bin.

3. Whenever the action 'Go to Next Zone-Bin' is displayed in Putaway/Picklist, the action will be displayed in a different color as shown in 'Exhibit 3'.

Exhibit 2: Identifies the 'Continue Picking' action in **Serial/Lot Info** screen
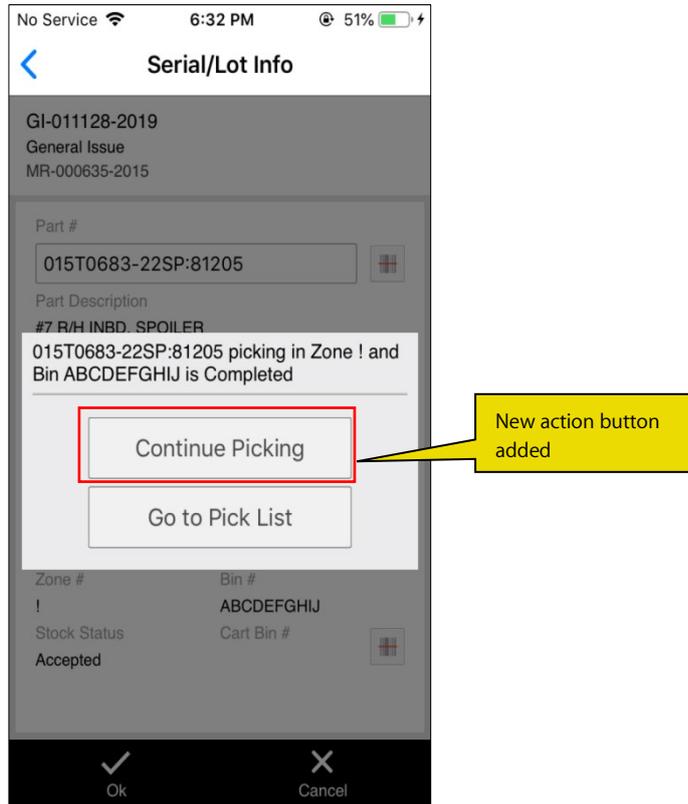

Exhibit 3: Identifies the 'Go to Next Zone-Bin' action in **Serial/Lot Info** and **Manage Storage Info** screens

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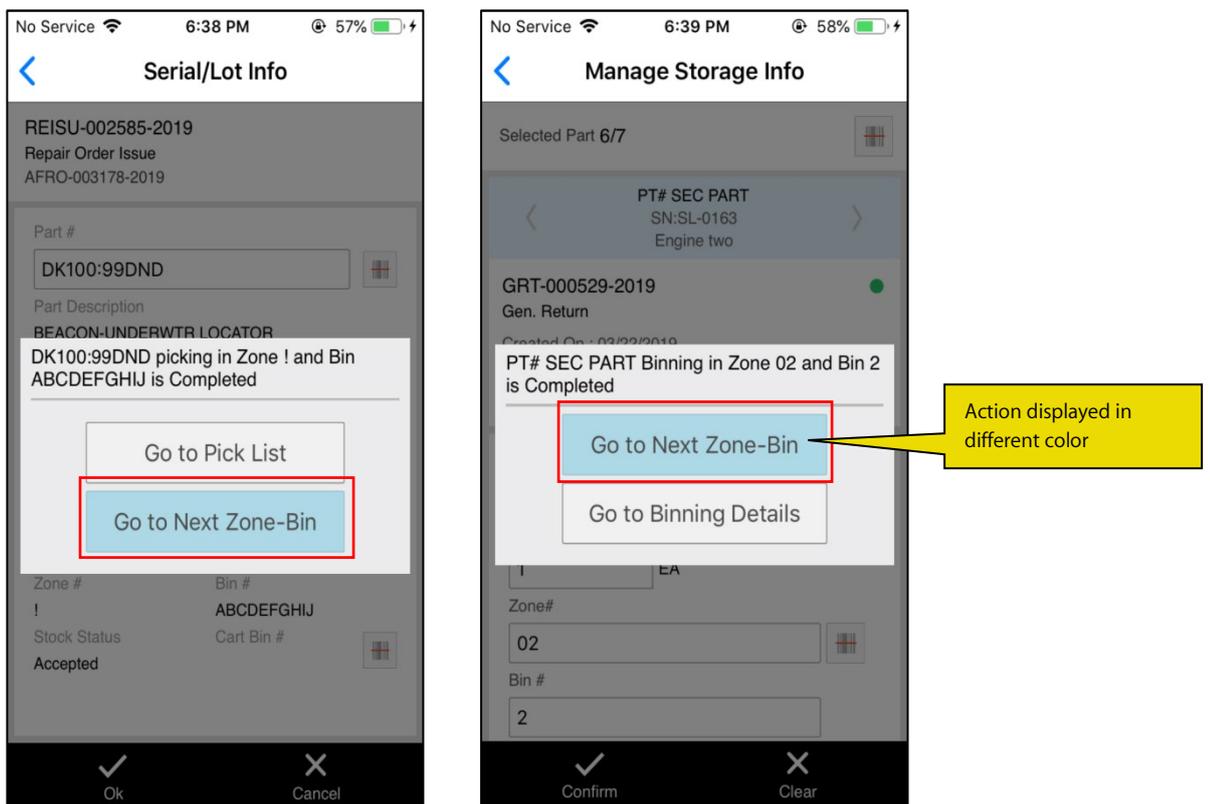
Usability Improvements in WarehouseAnywhere App

Reference: APRP-14

Background

This enhancement provides the ability to display Mfr. Serial # and Mfr. Lot # along with the lot/serial #s, in all the screens of the **WarehouseAnywhere** app, along with the provision to display the Allocated Quantity against each Part-Serial/Part-Lot combination during Stock Inquiry.

Change Details

1. Mfr. Serial # and Mfr. Lot # are displayed in all the screens along with the internal Lot #/serial #s, separated by a vertical line. Also the display of Mfr. Serial #/Lot # and Serial/Lot # in the existing screens is made consistent throughout the screens. For example, Mfr. Lot # will have prefix 'LN' and Mfr. Serial # will have prefix 'SN' and will displayed in the following format:

   - "LN:LTTT11 | LOT-007766-2019"

   - "SN:1921-015 | SL-001202-185"

2. A new toggle button 'Include Allocated Qty' is included in the advanced search section in the **Stock Inquiry** screen. Based on the selection of the toggle button, Available Quantity will be displayed in Green font and Allocated Quantity will be displayed in orange font separated by vertical line, against each Part-Serial/Part-Lot combination in the **Part List** and the **Part Details** screens.

**Exhibit 1**: Identifies the display of Mfr. Lot #/Lot # in **Binning Details** screen
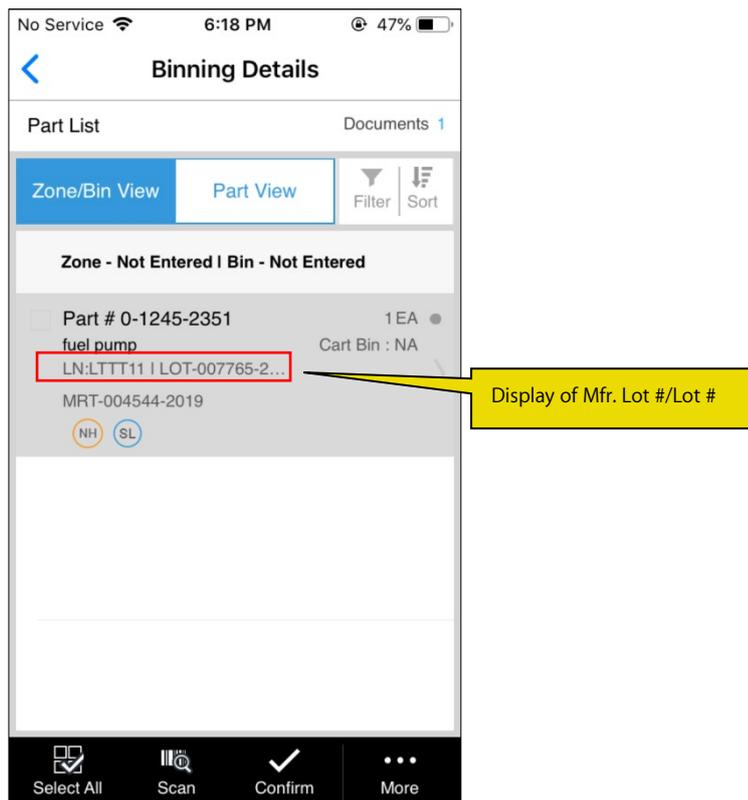
Exhibit 2: Identifies the new toggle button in **Stock Inquiry** screen

New toggle button
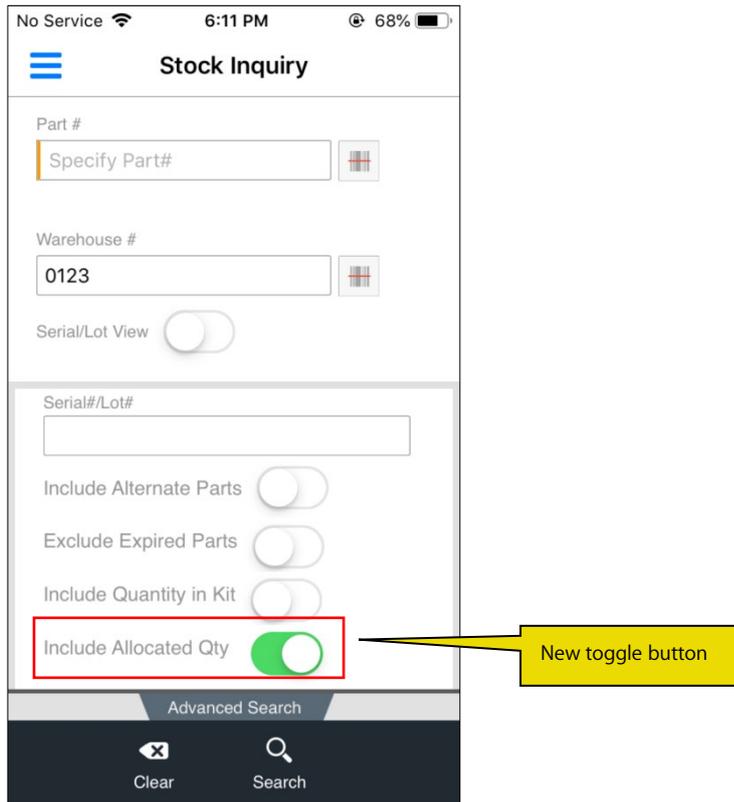
Exhibit 3: Identifies the display of Available Qty/Allocated Qty in **Part List and Part Details** screen

Available Qty/Allocated Qty

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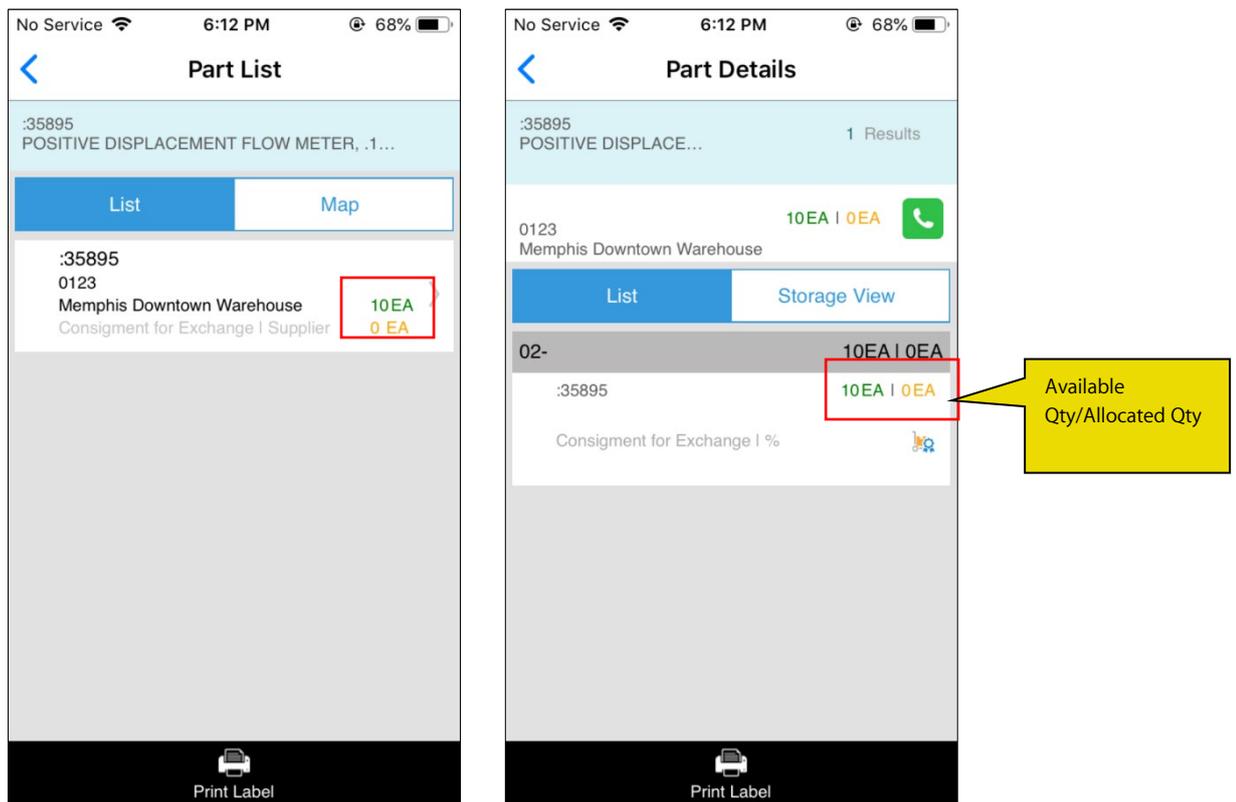
Ability to view issue details from picklist

Reference: APRP-6

Background

The **Issue List** screen and the picklist screen in the **WarehouseAnywhere** App are enhanced to display additional details as part of usability improvement.

Change Details

The following changes are done in the **Issue List** and **Picklist** screens in the **WarehouseAnywhere** App.

1. In the **Issue List** screen, additional information like Aircraft Reg. # is displayed for each document in the multiline, next to priority separated by a vertical line.

2. The pop-up in the **Picklist** screen will now display the details of the issue documents instead of just displaying the Document #.

Exhibit 1: Identifies the changes in **Issue List** and **Pick List** screens screen

Issue Document details

A/C Reg. # displayed in multiline
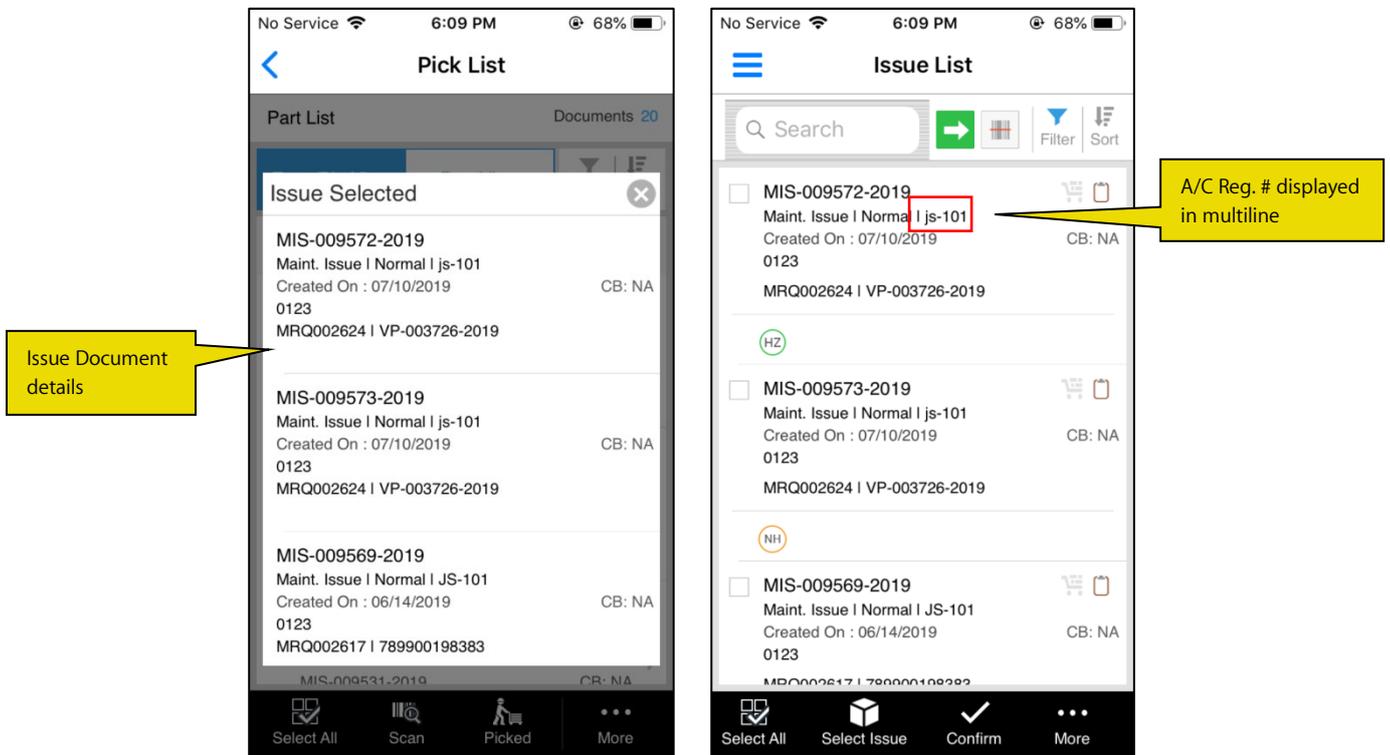
Minor Enhancements in Manage Issues

Reference: APRP-5

Background

The filter criteria for Issues in the WarehouseAnywhere App is enhanced to filter the Issue documents by due date and to filter the documents for which picking is not yet initiated.

Change Details

1. A new category 'To Be Picked' is added in the multiline of **My List** and **All List** tabs, in the **To Do List** screen for the category 'Issue'.On launch of the screen, the system displays the 'To be Picked' category with the total count of Issue documents for which picking is not initiated (or Issue documents for which the Picking indicator is Grey) with respect to the last login user. On selection of All List tab, system displays the 'To be Picked' category with the count of Issue documents for which picking is not initiated irrespective of the last login user.

2. New filter criteria 'To be Picked' is added in the 'Filter by' tab of **Issue List** filter.

3. Two new filter criteria 'Due Date: From' and 'Due Date: To' are added in the 'Doc. Info' tab of **Issue List** filter

Exhibit 1: Identifies the changes in **To Do List** screen
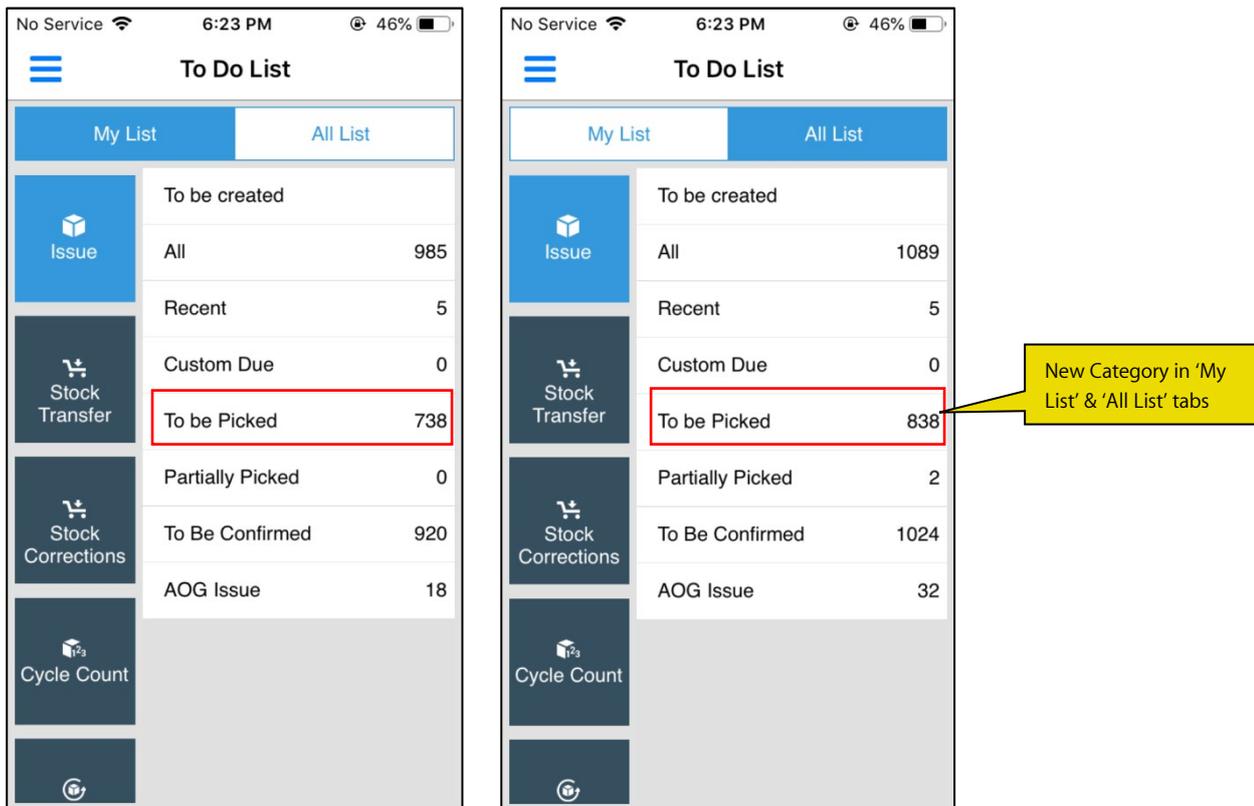
Exhibit 2: Identifies the changes in Issue List **Filter**

New filer criteria in 'Filter by' tab

New filter Criteria in 'Doc Info.' tab
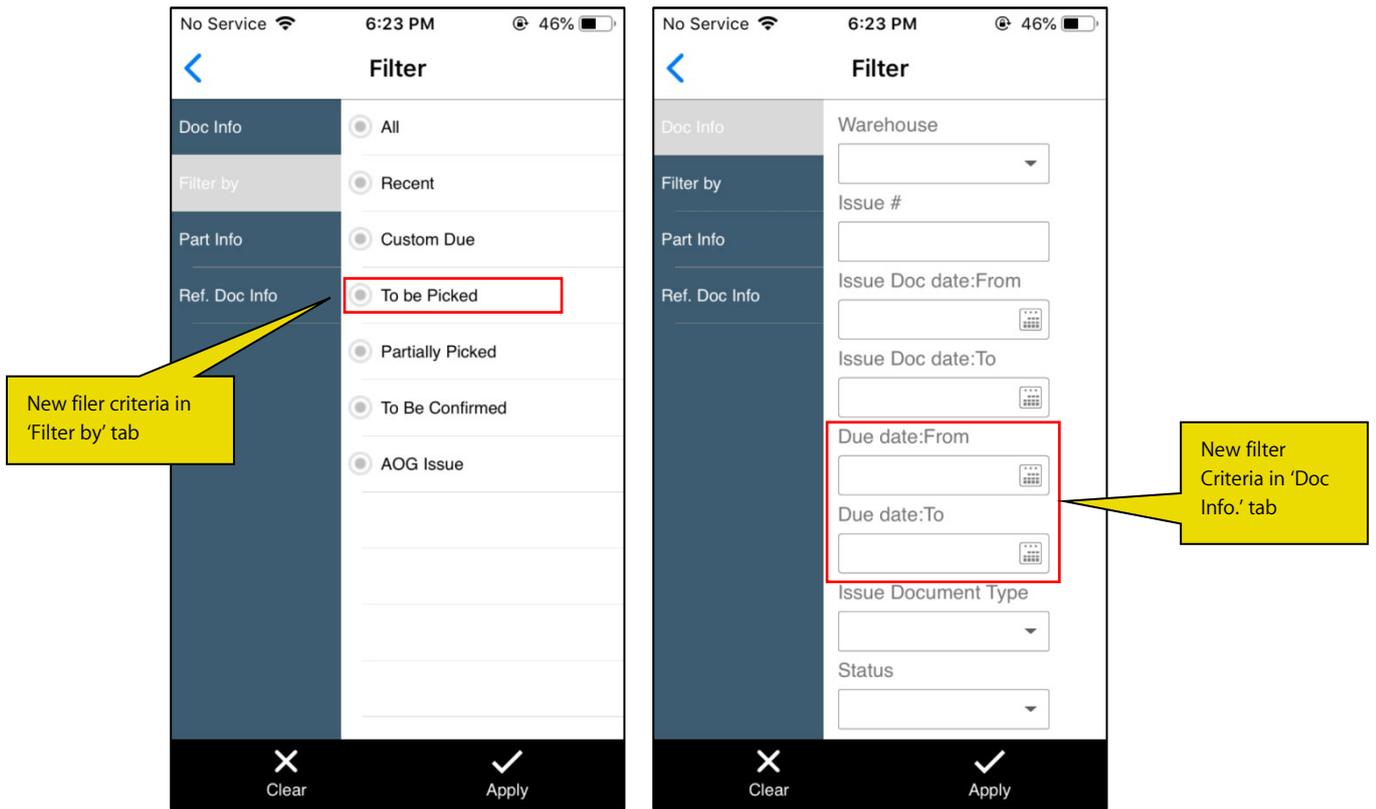
Ability to attach documents to GI through WarehouseAnywhere

Reference: APRP-4

Background

The WarehouseAnywhere Application designed to manage the activities in the Warehouse is enhanced to attach pictures/documents to the 'Goods Inward' document. Ability to view and modify the attachments is also provided in the Receipt documents.

Change Details

WarehouseAnywhere App

A new section 'Attachments' is added in the Create **Receipt** and **Edit Receipt** screen. This section contains the following icons:

- Insertion Icon

- Check Icon

- Camera Icon

- Gallery Icon

- Close Icon

- Delete Icon

Exhibit 1: Identifies the changes in **Create Receipt** screen

The 'Attachment' section displays the "Insertion" and "Check icons" on launch of the page. The captured/attached pictures for the receipt are also displayed, if previously attached.

Exhibit 2: Identifies the changes in **Create Receipt** screen
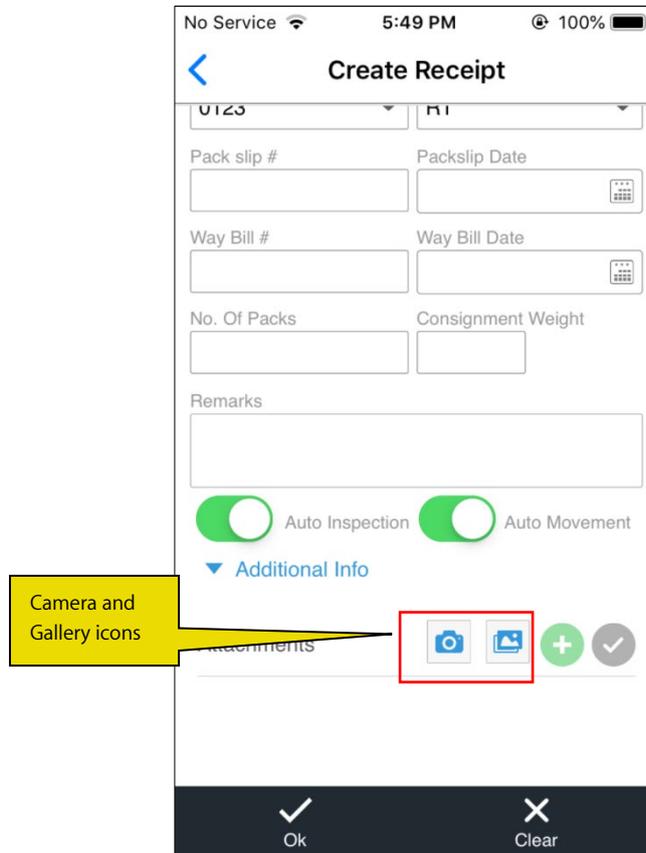
On click of the "Insertion" icon, "Camera" and "Gallery" icons will be displayed. The "Insertion" and "Check" icons are inactivated.

- Click the "Camera" icon to capture Images.
- Click the "Gallery" icon to select the images for attaching to the receipt document.

Exhibit 3: Identifies the changes in **Create Receipt** screen
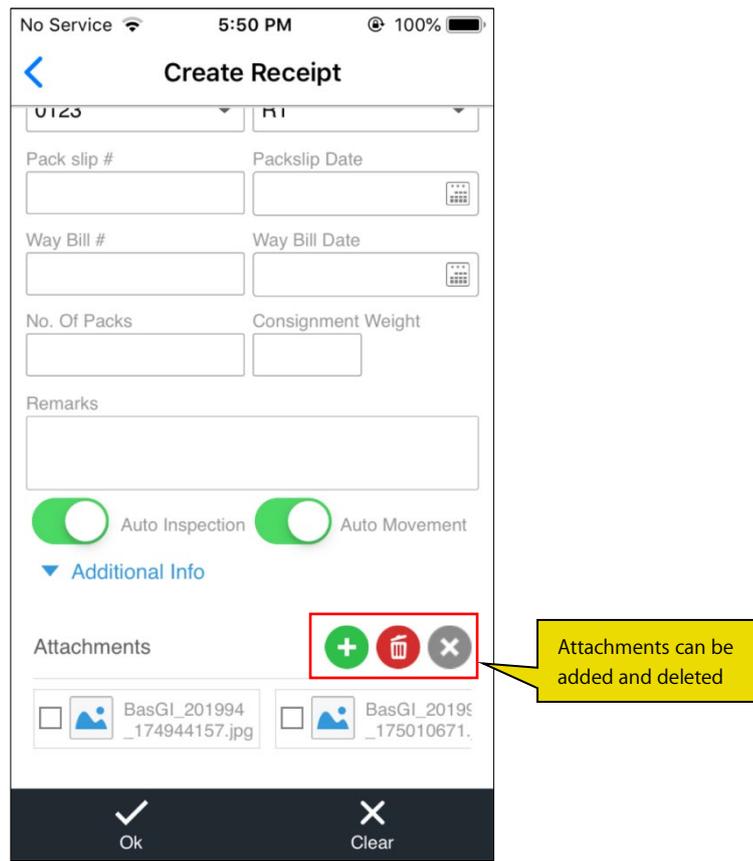
The pictures captured/selected from Gallery will be displayed in the "Attachments" section.

On click of "check" icon, the system launches the 'multiple selection' mode with checkboxes adjacent to the photos, and the '+', 'Delete' and 'Close' icons.

On click of 'Delete' icon, if the photos are selected, then the system deletes the selected photos.

On click of 'Close' icon, the 'multiple selection' mode will be closed and the system goes back to the existing mode.

Exhibit 4: Identifies the changes in **Receipt Detail** screen
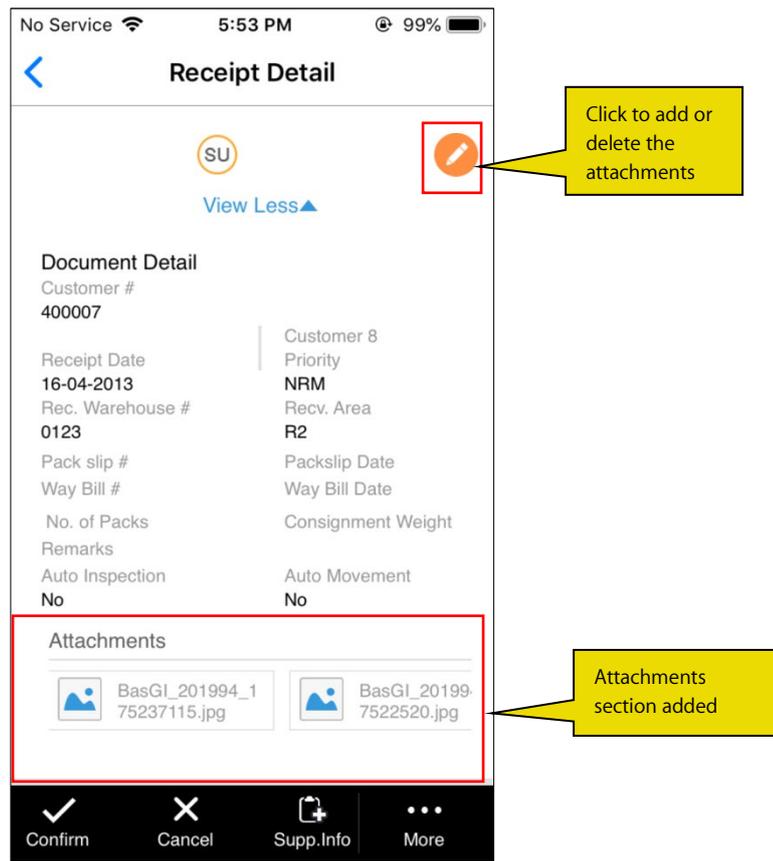
All the attachments will be displayed in the "Attachment" section in the **Receipt Detail** screen.

Click the "edit" icon, if the attachments are to be added or deleted.

The attachments can be opened on click of the same.

Exhibit 5: Identifies the changes in **Edit Receipt** screen

Attachments section added

Exhibit 6: Identifies the changes in **Edit Receipt** screen

Attachments section added
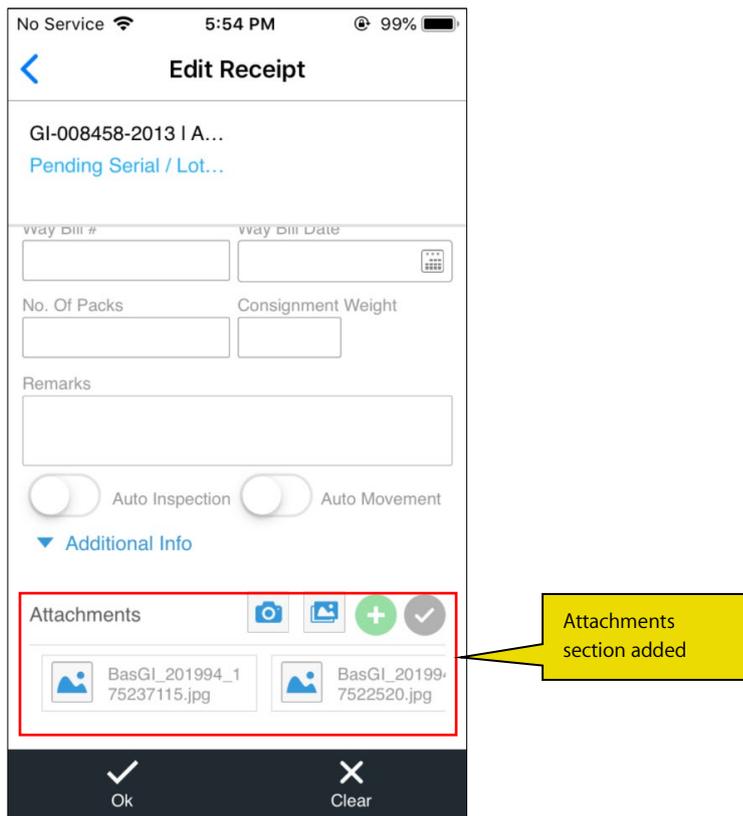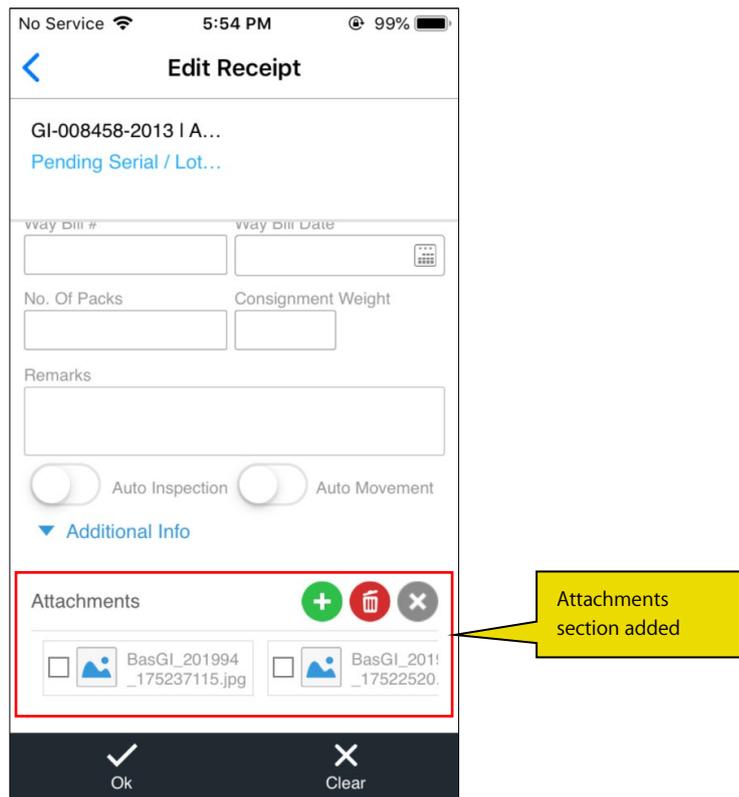
> *Note: The WarehouseAnywhere features explained above involve commercials and are not available for all customers. Please contact your Ramco Account Manager.*

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