

RAMCO AVIATION SOLUTION

ENHANCEMENT NOTIFICATION

Version 5.8.9

Materials

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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

#	Definition For	Customer #	Customer Name	Contract #	Pool ID	Pool Description	Station #	Delivery Point	Request Warehouse	Return Warehouse	Remarks
1	Exchanges	3V	TNT AIRWAYS		HAECO	HAECO testing	HKG	CX Hangar 1	306	BM	
2	Exchanges	CPA	CATHAY PACIFIC	CPA-POOL-A320-01	HAECO	HAECO testing	HKG	CX Hangar 2	306	CSS	
3	Part Sales	ABR	ASL AIRLINES		T&M Pool2	ITM T&M Pool	HKG	HKG-LWH	H35		
4	Part Sales	ABR	ASL AIRLINES		T&M Pool2	ITM T&M Pool	HKG	HKG-LWH	H35		
5	Part Sales	CA	AIR CHINA		T&M Pool4	ITM T&M Pool	HKG	HKG-LWH	H35		
6	Part Sales	BOE	THE BOEING				HKG	HKG-LWH	306		
7	Part Sales	CW	AIR CARGO				HKG	HKG-LWH	306		
8	Part Sales	EAT	EUROPEAN AIR				HKG	HKG-LWH	306		
9											

Exhibit 2: Set Inventory Process Parameters screen

#	Category	Parameter	Permitted Value	Value
3	Material Request	Default Issue Option for Material Request	Enter '1' for 'Document Level', '2' for 'Line Level'	2
4	Material Request	Default MR Class for manual Material Request	Enter '0' for 'Do not Default', '1' for 'General', '2' for 'Maintenance', '3' for 'Replenishment'	1
5	Material Request	Default Need Date for manual Material Request	Enter '0' for 'Do not Default', '1' for 'Current Date'	1
6	Material Request	Delivery date to be displayed for parts under procurement	Enter '1' for 'Due Date', '2' for 'Est. Arrival Date', '3' for 'Exp. Delivery Date'	2
7	Material Request	MR Class allowed for manual Material Request	Enter '0' for 'For All', '1' for 'General', '2' for 'Maintenance', '3' for 'Replenishment'	0
8	Material Request	MR Need Date earlier than Current Date.	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1
9	Material Request	Request For Defaulting Logic	Enter '1' for 'Internal', '2' for 'Customer', '3' for 'Internal & Customer'	1
10	Material Request	Requesting Warehouse identification basis for Exchange Requests	Enter '1' for 'Request/Return Warehouse Definition', '2' for 'Workcenter-Warehouse Mapping'	1
11	Material Request	Requesting Warehouse identification basis for Sale Requests	Enter '1' for 'Request/Return Warehouse Definition', '2' for 'Part Level Default Warehouse'	1
12	Material Request	Warehouse for Exchange Requests in absence of Request/Return Warehouse definition and Workcenter-Warehouse	Enter '0' for 'Not Applicable', '1' for 'Part level default Warehouse'	1

Exhibit 3 Manage Additional Options screen:

Manage Additional Options

Customer # 411632 Customer Name Customer 138 Customer Category

Definition For Category **Pool Evaluation**

Parameter Details

#	Category	Parameter	Permitted Values	Value	Error Message	Created by
1	Pool Evaluation	Part sales serviced through pool?	Enter "0" for No and "1" for Yes	0		DMUSER
2						

Newly added set options

Save

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

The screenshot displays the 'Set Inventory Process Parameters' screen. The 'Category' is set to 'Stock Demand Management'. The table below lists the parameters and their permitted values.

#	Category	Parameter	Permitted Value	Value
1	Stock Demand Management	Allocation of Stock based on Stock Allocation Rules	Enter '0' for 'Not Required', '1' for 'Required'	1
2	Stock Demand Management	Automatic stock transfer during Goods Receipt to the Originating MR Warehouse irrespective of Matrix Warehouse Setup	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1
3	Stock Demand Management	Default Need Date: From	Enter no. of days to be considered prior to the current date	30
4	Stock Demand Management	Default Need Date: To	Enter no. of days to be considered later than current Date	30
5	Stock Demand Management	Identification of Parts in Allocation Preference	Enter '1' for 'Part Type', '2' for 'Part Category', '3' for 'Part Group', '4' for 'Part	4
6	Stock Demand Management	Part Identification Basis in Stock Allocation Rule	Enter '1' for 'Part Type', '2' for 'Part Category', '3' for 'Part Group', '4' for 'Part	4
7	Stock Demand Management	PR generation option	Enter '1' for 'Prime Part', '2' for 'Requested Part', '3' for 'Requested Part only	3
8	Stock Demand Management	Prioritization of MR for receipt pegging	Enter '1' for 'All MR', '2' for 'Originating MR followed by MR without PR', '3' for	2
9	Stock Demand Management	Usage of Customer Parts in case of shortage of Internal Parts	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1

A yellow callout bubble points to the first row of the table, indicating that the parameter 'Allocation of Stock based on Stock Allocation Rules' is a new addition.

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

Search Criteria

Rule ID: Rule Description: Part #: Part Description:
 Customer #: Customer Name: Contract #: Pool ID:

Search

Rule Builder For Allocation Rules

#	Rule ID	Rule Description	Request for	Part #	Part Description	Customer #	Customer Name	Rule	Contract #
1	ALR-001076-20	RULE 1	Customer	:35895	EXPRESS U.S.RATE SH EET				
2	ALR-001077-20	RULE 2	Internal And Custo...	015T1415-34:81205	SPOILER	13637	INDIANAIRWAYS		
3									

Link to launch the Allocation Rules pop-up

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

Allocation Rules

Rule Info.

Rule ID: ALR-001076-20 Rule Description: RULE 1 Effective From: 01-30-2020 Effective To:

AND OR ☐ Not True

Component TSN less or equal 500

Time Parameter equal FH

Certificate Type equal EASA

Certificate Age (Months) less or equal 10

Save

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

The screenshot shows the 'Maintain Planning Information' screen with the following sections:

- Replenishment Details:** Planning Type (Min-Max), Stock UOM (EA), Reorder Level, Minimum Issue Qty, Replenishment Activity By (PR), Minimum Qty, Reorder Qty, Avg. Transfer Lead Time, Replenishment Activity At (Warehouse), Maximum Qty, Safety Stock, Lead Time Unit.
- Replenishment Parameters Details:** Annual Consumption, Service Level in %, Per Order Cost, Lead Time, Carrying Cost, Lead Time Unit (Days).
- Analysis Classification & Movement Strategies:** ABC Class (None), FSN Class (None), XYZ Class (None), VED Class (None), Placement Strategy (Existing Stock Addition), Allocation Strategy (Maximum Lead Parameter Value).
- Usage, Source and Other Details:**
 - Usage Details:** For Sale, For Maintenance/Manufacturing, For Loan, For Pool.
 - Source Details:** Make, Purchase, SubContracted, On Loan, From Pool, On Exchange.
 - Other Details:** Allocable, Storage Allocation Mandatory, Hazardous, On Warranty, Back Flushing Required, QC Clearance Required, Trade Restriction?
- Scrap Info:** Scrap Note Process, Action on Phase-out (None).
- Hazmat Details:**

The bottom status bar shows: 07-14-2020 10:28:16 | (Server: 1 328 /Client: 1 088) | No session | 50 Minutes | 11:10 AM

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-defined filtered arrived based on the stage of a Material Request document in its life cycle
 - **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).
 - **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.
 - **Planned MR** displays the list of Material requests for which the documents that are used for Planning are not yet closed.
 - **In Purchase Request** displays the list of Material requests for which Purchase Requests that are yet to be converted as Purchase Orders are available.
 - **Under Order** displays the list of Material requests for which Purchase/Repair/Stock Transfer Orders that are yet to be received are available.
 - **Under Receiving** displays the list of Material requests for which either Goods Receipt/Repair Receipt/Stock Transfer Receipt is in-progress.

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

#	MR #	Need Date	MR Priority	Warehouse #	Part #	Part Desc.	Req. Qty	Pend. Qty	Assignee	Name	Processing Status	Ship By	Shipping Instructions
1	MR-003421-2020	01-07-2020	Normal	0123	CO536	AFUL	5.00	5.00					
2	MR-003423-2020	01-08-2020	Normal	EMCKITTING	135895	EXPRESS U.S.RATE SH	1.00	1.00					
3	MR-003437-2020	01-10-2020	Normal	0123	00-200-	LOCKWASHER	3.00	3.00					
4	MR-003437-2020	01-10-2020	Normal	0123	D521112580	ROD END BEARING	2.00	2.00					
5	MR-003439-2020	01-10-2020	Normal	EMCKITTING	00-200-	LOCKWASHER	3.00	3.00					
6	MR-003439-2020	01-10-2020	Normal	EMCKITTING	D521112580	ROD END BEARING	2.00	2.00					
7	AMR-000009-2014	10-12-2014	low	10973	C 2	C 2	8.00	8.00					
8	AMR-000014-2016	08-10-2016	low	0987	REPLY TEST	test	2.00	1.00					
9	AMR-000017-2016	08-10-2016	low	0987	REPLY TEST	test	2.00	2.00					
10	AMR-000019-2017	06-20-2017	low	AA	TESTING	stock replenishment	5.00	5.00					
11	AMR-000020-2017	06-20-2017	low	YULCS	TESTING	stock repl part 3	5.00	5.00					
12	AMR-000023-2017	11-27-2017	low	B320-DL-SL	3-1435-	DHC-6 MAIN WHEEL	15.00	15.00					
13	MR-000045-2011	12-08-2011	Urgent	YULHM	00-200-	LOCKWASHER	10.00	4.00					

- **Alert View:** View the Material Requests by filtering them as per the pre-defined filtered arrived based on the Key areas where Planners attention will be most required
 - **AOG Request** displays the list of Material requests of AOG priority which are yet to be planned.
 - **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.
 - **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.
 - **AOG Order** displays the list of Material requests of AOG priority which has been planned, but is yet to be closed.
 - **Alert Order** displays list of Material requests falling in alert window that are already planned.
 - **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.

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

Manage Screen Defaults and Preference

Role: ramcorale User Name: DMUSER Preference For: Demand Management Hub

Preferences

AND OR ☐ Not True

Package Type: equal --All Packages

MR Class: equal General

MR Type: equal Planned

Priority: equal AOG

Ref. Document Type: equal Customer Order

Shop Work Order Type: equal CWO

Parameters

#	Parameter For	Parameters	Permitted Value	Value	Status	Error Message
1	Default Options	Category to be defaulted	Enter '1' for 'Status List', '2' for 'Alerts and Exceptions', '3' for 'Search'	1	Defined	
2	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)	1,2,3,4,5	Defined	
3	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' (Use Comma Separator for multiple values)	3	Defined	
4	Display Options	Sub-Categories to be displayed in Alerts and Exceptions	Enter '1' for 'AOG Requests', '2' for 'Alert Requests', '3' for 'Alert Exceptions', '4' for 'Alerts and Exceptions'	1,2,3	Defined	
5	Default Options	Sub-Categories to be defaulted in Alerts and Exceptions	Enter '1' for 'AOG Requests', '2' for 'Alert Requests', '3' for 'Alert Exceptions', '4' for 'Alerts and Exceptions'	1	Defined	
6	Configuration Options	Number of days before Need Date to display Material	Enter Number of days before Need Date to display Material		Not Defined	
7	Sort Options	Sort Sequence of Material Requests	Enter the sort sequence using comma separator (Enter '1' for 'Ascending', '2' for 'Descending')	1,2	Defined	
8	Sort Options	Preferred Sort Order for sort by Need Date	Enter '1' for 'Ascending', '2' for 'Descending'	1	Defined	
9	Sort Options	Preferred Sort Order for sort by Requested Date	Enter '1' for 'Ascending', '2' for 'Descending'	1	Defined	
10	Sort Options	Preferred Sort Order for sort by MR Class	Enter the sort sequence using comma separator (Enter '1' for 'Ascending', '2' for 'Descending')	1	Defined	
11						

Save

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

Set Inventory Process Parameters

RAMCO OU-ramco role

Date Format: mm-dd-yyyy

Search Criteria: Category: Demand Management Hub

Search Results:

#	Category	Parameter	Permitted Value	Value	Status
1	Demand Management Hub	Category to be defaulted	Enter '1' for 'Status List', '2' for 'Alerts and Exceptions', '3' for 'Search'	2	Defined
2	Demand Management Hub	Sub-Categories to be displayed in Alerts and Exceptions	Enter '1' for 'AOG Requests', '2' for 'Alert Requests', '3' for 'Overdue'	1,2,3	Defined
3	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',	1,2,3,4,5...	Defined
4					

Newly added set options

Set Parameters

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

Help on MR Planning Options

Material Request # MR20000016 Part # 25012020-4 Part Description Cross-impinging t... Pending Qty 2.00 Requested UOM EA

☒ Same WH Stock ☒ Alternate WH Stock ☒ All WH stock ☒ Open RO

Planning Option

#	Part #	Part Description	UOM	Warehouse #	Warehouse Nature	Stock Status	Doc. Type	Document #	Av
1	25012020-4	CROSS-IMPINGING TRIPLET	EA	CX	Alt. WH	OWNED			
2	25012020-4	CROSS-IMPINGING TRIPLET	EA	ICN	Alt. WH	OWNED			
3	25012020-4	CROSS-IMPINGING TRIPLET	EA	ITM	Alt. WH	OWNED			
4	25012020-4	CROSS-IMPINGING TRIPLET	EA	INT	Same WH	OWNED	Repair Order	RO20000001	

Exhibit 6: Planning in Demand Hub

Demand Management Hub HAECO OU-HAECO ROLE

28 9

To be Planned View ☒ Simple ☐ Detail

#	MR #	Need Date	MR Priority	Warehouse #	Part #	Part Desc.	Req Qty	Pend. Qty	Closed Qty	on	Coverage Entity	Entity Value	Available Qty	Action	Process Qty
1	MR20000001	2020-01-24	Normal	INT	25012020-1	Pintle Injector	10.00	1.00	9.00						
2	MR20000002	2020-01-24	Normal	INT	25012020-1	Pintle Injector	10.00	10.00	0.00						
3	MR20000002						10.00				Alt WH	ITM	10.00	Create Stock Tra...	
4	MR20000003	2020-01-24	Normal	INT	25012020-1	Pintle Injector	20.00	9.00	11.00						
5	MR20000005	2020-01-24	Normal	BM	25012020-1	Pintle Injector	22.00	22.00	0.00						
6	MR20000006	2020-01-25	AOG	CSS	25012020-4	Cross-impinging triplet	25.00	14.00	11.00						
7	MR20000014	2020-01-25	Normal	INT	25012020-4	Cross-impinging triplet	6.00	1.00	5.00						
8	MR20000016	2020-01-25	Normal	INT	25012020-4	Cross-impinging triplet	2.00	2.00	0.00						
9	MR20000021	2020-01-25	AOG	CX	0111-0005-	Assembly Sensor	1.00	1.00	0.00						
10	MR20000027	2020-01-27	Normal	INT	25012020-4	Cross-impinging triplet	6.00	5.00	1.00						

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

#	Repair Order #	Repair Shop #	Repair Shop	Status	Priority	Ref. Doc. Type	Ref. Doc. #	Part #	Serial #	Part Info.
1	AFRO-003179-2020	00001	00001	Draft	NRM			8DJ81LWM2U:30221	Mfr-02	Part type:Component ATA
2	AFRO-003181-2020	00001	00001	Draft	NRM			8DJ81LWM2U:30221	Vendor2	Part type:Component ATA
3	AFRO-003166-2020	00000	Supplier 2	Draft	NRM	Shop Work Order	CWO-009631-2020	reg-006	11	Part type:Component ATA
4	OBCRO-000087-2018	99999	HOPE AERO	Draft	NRM	Shop Work Order	CWO-005733-2012	ZZ425DUMMYPART:99999	5421542154215	Part type:Component ATA
5	AFRO-003136-2020	99999	HOPE AERO	Draft	NRM	Shop Work Order	AWO-000098-2019	SEC PART	8545484669855	Part type:Component ATA
6	AFRO-003137-2020	99999	HOPE AERO	Draft	NRM	Shop Work Order	AWO-000098-2019	SEC PART	HAL-9099910	Part type:Component ATA
7	OBCRO-000094-2018	00198	Supplier 9	Draft	NRM			00033005-6	CO-009298-2020	Part type:Expendable ATA
8	AFRO-003150-2020	00000	Supplier 2	Draft	NRM			reg-006	CGR2	Part type:Component ATA
9	AFRO-003152-2020	00000	Supplier 2	Draft	NRM			reg-006	REC1	Part type:Component ATA
10	AFRO-003142-2020	00198	Supplier 9	Draft	AOG	Shop Work Order	CWO-009609-2020	PART*1234	11001	Part type:Tool ATA #:00-00
11	AFRO-003143-2020	00198	Supplier 9	Draft	AOG	Shop Work Order	CWO-009609-2020	MOBILITYEXP-SERIAL	11001	Part type:Expendable ATA
12	AFRO-003197-2020	00000	Supplier 2	Draft	AOG	Shop Work Order	OWO-000564-2020	0000:4373A	DGBR	Part type:Component ATA
13	OBCRO-000088-2018	00000	Supplier 2	Draft	A1			(A1)C23845-SC	SL-001267-2019	Part type:Component ATA
14	AFRO-003165-2020	00000	Supplier 2	Draft	A1			reg-006	test 1	Part type:Component ATA

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 screenshot shows the 'Purchase Option Settings' screen. The 'Additional Purchase Options' section is expanded, showing a table of parameters for the 'Repair Order Hub' category. The parameters are:

#	Category	Parameter	Permitted Value	Value	Status
1	Repair Order Hub	Category to be defaulted	Enter '1' for 'Repair Orders List', '2' for 'Repair Order Exceptions'	1	Defined
2	Repair Order Hub	History Period to be considered to display Repair Orders, if no criteria is provided (in Number of months)		3	Not Defined
3	Repair Order Hub	Sub-Categories to be displayed in Repair Order Exceptions	Enter '1' for 'Overdue Orders', '2' for 'Quotes Returned', '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'	1	Defined
4	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'	1	Defined

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.

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

Repair Order Management > User Preferences > Manage Screen Defaults and Preference

Role: ramcorole User Name: DMUSER Preference For: Repair Order Hub

Parameters

#	Parameter For	Parameters	Permitted Value	Value	Status
1	Configuration Options	Number of days before Repair Shop Shipping Date to	Enter an integer from 0 to 30		Not Defined
2	Display Options	Category to be defaulted	Enter '1' for 'Repair Orders List', '2' for 'Repair Order Exceptions'	1	Defined
3	Sort Options	Sort Sequence of Repair Orders	Enter the sort sequence using comma separator (Enter '1' for 'Repair Shop Shipping Date', '2' for 'Created Date', '3' for 'Priority', '4' for 'Released Orders', '5' for 'Shipped Orders', '6' for 'Quoted Orders', '7' for 'Overdue Orders', '8' for 'Quotes Returned', '9' for 'Quarantined Receipts', '10' for 'Customer Quote Rejections')	3	Defined
4	Default 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 'Overdue Orders', '7' for 'Quotes Returned', '8' for 'Quarantined Receipts', '9' for 'Customer Quote Rejections', '10' for 'Customer Quote Rejections'	1,2,3,4,5,6,7,8,9,10	Defined
5	Display Options	Sub-Categories to be displayed in Repair Orders	Enter '1' for 'Overdue Orders', '2' for 'Quotes Returned', '3' for 'Quarantined Receipts', '4' for 'Customer Quote Rejections', '5' for 'Customer Quote Rejections'	1,2,3,4,5	Defined
6	Sort Options	Preferred Sort Order for sort by Repair Shop Shipping	Enter '1' for 'Ascending', '2' for 'Descending'		Not Defined
7	Default Options	Sub-Categories 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 'Overdue Orders', '7' for 'Quotes Returned', '8' for 'Quarantined Receipts', '9' for 'Customer Quote Rejections', '10' for 'Customer Quote Rejections'		Not Defined
8	Default Options	Sub-Categories to be defaulted in Repair Orders	Enter '1' for 'Overdue Orders', '2' for 'Quotes Returned', '3' for 'Quarantined Receipts', '4' for 'Customer Quote Rejections', '5' for 'Customer Quote Rejections'		Not Defined
9	Sort Options	Preferred Sort Order for sort by Created Date	Enter '1' for 'Ascending', '2' for 'Descending'		Not Defined
10	Sort Options	Preferred Sort Order for sort by Priority	Enter '1' for 'Ascending', '2' for 'Descending'	2	Defined

New parameters added

Save

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

The screenshot shows the 'Repair Order Hub' interface. At the top, there's a breadcrumb trail: 'Repair Order Management > Repair Order Hub > Repair Order Hub'. Below this, a 'View Option' dropdown is set to 'Part #, Part Description, Repair Order #, Supplier #, Supplier Name' with a 'Get' button. To the right are links for 'New Piece Part RO' and 'New Component RO'. A red box highlights a filter bar containing 'Draft Orders' (19), 'Fresh Orders' (3), 'Released Orders' (2), 'Shipped Orders' (2), and 'Quoted Orders' (3). Below the filter bar is the 'Order List' table.

#	Repair Order #	Repair Shop #	Repair Shop	Status	Priority	Ref. Doc. Type	Ref. Doc. #	Part #	Serial #
1	AFRO-003179-2020	00001	00001	Draft	NRM			8DJ81LWM2U:30221	Mfr-02
2	AFRO-003181-2020	00001	00001	Draft	NRM			8DJ81LWM2U:30221	Vendor2
3	AFRO-003166-2020	00000	Supplier 2	Draft	NRM	Shop Work Order	CWO-009631-2020	reg-006	11
4	OBCRO-000087-2018	99999	HOPE AERO	Draft	NRM	Shop Work Order	CWO-005733-2012	ZZ425DUMMYPART:99999	5421542154215
5	AFRO-003136-2020	99999	HOPE AERO	Draft	NRM	Shop Work Order	AWO-000098-2019	SEC PART	8545484669855
6	AFRO-003137-2020	99999	HOPE AERO	Draft	NRM	Shop Work Order	AWO-000098-2019	SEC PART	HAL-9099910
7	OBCRO-000094-2018	00198	Supplier 9	Draft	NRM			00033005-6	CO-009298-2020
8	AFRO-003150-2020	00000	Supplier 2	Draft	NRM			reg-006	CGR2
9	AFRO-003152-2020	00000	Supplier 2	Draft	NRM			reg-006	REC1
10	AFRO-003142-2020	00198	Supplier 9	Draft	AOG	Shop Work Order	CWO-009609-2020	PART*1234	11001
11	AFRO-003143-2020	00198	Supplier 9	Draft	AOG	Shop Work Order	CWO-009609-2020	MOBILITYEXP-SERIAL	11001
12	AFRO-003197-2020	00000	Supplier 2	Draft	AOG	Shop Work Order	OWO-000564-2020	0000:4373A	DGBR
13	OBCRO-000088-2018	00000	Supplier 2	Draft	A1			(A1)C23845-SC	SL-001267-2019
14	AFRO-003165-2020	00000	Supplier 2	Draft	A1			reg-006	test 1

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

This screenshot is similar to Exhibit 4 but highlights the 'New Piece Part RO' and 'New Component RO' links in the top right corner with a red box. The 'Draft Orders' filter in the top left is also highlighted with a red box. The table below the filters is not visible in this view.

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

Procurement Management > Supplier > Manage Vendor Identification Rules

★ Manage Vendor Identification Rules HAECO OU-HAECO ROLE

Search Criteria

Rule ID/ Rule Description/Part #/Part Description/Customer #/Customer Name/Repair Shop #/Repair Shop Name Search

Search Results

#	Rule ID	Rule Description	Doc. Type	Part #	Part Description	Part Category	Part Group	Repair Process Code	Parameter Type	Parameter Entity	Repair Shop #
1	SIR0000012020	Component Reliability Rule	Repair Order	0111-0005-45	Assembly Sensor				Component Reli...	IOR	HAECO
2	SIR0000022020	Task based Rule	Repair Order	0111-0005-46	Assembly Valve				Task Attributes		HAECO
3	SIR0000032020	Group based Rule	Repair Order	0111-0005-47	Assembly Washer		VIR-0001				HAECO
4			Repair Order								

Save Confirm

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

Procurement Management > Logistics Common Master > Purchase Option Settings

★ Purchase Option Settings RAMCO OU-ramco role

Allow Movement to Different Warehouse: Allowed

Apportion Doc TCDs to Line Items on: Basic Value

Def.Component # for Inspection:

Component Maintenance Program Check: Non-Mandatory

Matching Type Policy: 4-Way

Mandatory Check for Source WC# in PR /PO/ RO: Not Required

Calculation of Shelf Life Expiry Date: Manual

User Rights for Repair Agency Classification: Do not Enforce

Additional Purchase Options

Category: Repair Order

#	Category	Parameter	Permitted Value	Value	Status
1	Repair Order	Additional Workscope Identification during Repair Quotation?	Enter '0' for 'Not Allowed', '1' for 'Allowed'	0	Defined
2	Repair Order	Advanced Repair Agency Identification applicable for RO created on basis of	Enter '0' for 'Not Applicable', '1' for 'Repair Automation Rules', '2' for 'Component Removals from SWO',	2	Defined
3	Repair Order	Advanced Repair Agency Identification sequence	Enter '0' for 'Not Applicable', '1' for 'Contracted Repair Agency', '2' for 'Vendor Identification Rules', '3'	1,3	Not Defi
4	Repair Order	Allow Cost Amendment of Invoiced RO	Enter '0' for 'Not Required', '1' for 'Required'	0	Defined
5	Repair Order	Allow modification of taxable amount	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1	Defined

Set Options

Procurement Management > Logistics Common Master > Purchase Option Settings

★ Purchase Option Settings RAMCO OU-ramco role

Allow Movement to Different Warehouse: Allowed

Apportion Doc TCDs to Line Items on: Basic Value

Def.Component # for Inspection:

Component Maintenance Program Check: Non-Mandatory

Matching Type Policy: 4-Way

Mandatory Check for Source WC# in PR /PO/ RO: Not Required

Calculation of Shelf Life Expiry Date: Manual

User Rights for Repair Agency Classification: Do not Enforce

Additional Purchase Options

Category: Repair Order

#	Category	Parameter	Permitted Value	Value	Status
16	Repair Order	Maint. Object Level Workscope Identification	Enter '0' for 'Not Applicable', '1' for 'Applicable'	1	Defined
17	Repair Order	Piece Part Repair Order on a Component part	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1	Defined
18	Repair Order	Pricing Basis preference sequence within Supplier Service Contracts	Enter '0' for 'Not Applicable', '1' for 'Usage Based', '2' for 'Fixed Price by Work Unit', '3' for 'Fixed Price by	2	Defined
19	Repair Order	Process pending jobs for Auto RO?	Enter '0' for 'No', '1' for 'Yes', '2' for 'Draft RO'	1	Defined
20	Repair Order	Quotation breakdown at Workscope level?	Enter '0' for 'Optional', '1' for 'Mandatory'	0	Defined

Set Options

Procurement Management > Logistics Common Master > Purchase Option Settings

★ Purchase Option Settings RAMCO OU-ramco role

Allow Movement to Different Warehouse: Allowed

Apportion Doc TCDs to Line Items on: Basic Value

Def.Component # for Inspection:

Component Maintenance Program Check: Non-Mandatory

Matching Type Policy: 4-Way

Mandatory Check for Source WC# in PR /PO/ RO: Not Required

Calculation of Shelf Life Expiry Date: Manual

User Rights for Repair Agency Classification: Do not Enforce

Additional Purchase Options

Category: Repair Order

#	Category	Parameter	Permitted Value	Value	Status
21	Repair Order	Repair Order on behalf of Trading Partner	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1	Defined
22	Repair Order	Repair Parts on behalf of Customer?	Enter '0' for 'Not Allowed', '1' for 'Allowed'	1	Defined
23	Repair Order	RO Status for contracted parts	Enter '0' for 'Quoted', '1' for 'Confirmed', '2' for 'Authorized'	2	Defined
24	Repair Order	Sequence of Repair Cost identification basis for Automatic Quote Generation	Enter '1' for 'Supplier Service Contract', '2' for 'Supplier-Repair Service-Part Mapping'	1,2	Not Defi
25	Repair Order	Set up RO automatically on Maintenance Return	Enter '0' for 'Not Required', '1' for 'Owned parts'	1	Defined

Set Options

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'

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

The screenshot shows the 'Create Repair Order' screen in the 'Repair Order Management' application. The 'Maint. Object & Work Scope Details' section is expanded, and the 'Maint. Object Details' tab is selected and highlighted with a red box. A yellow callout box points to this tab with the text: 'Maint. Object Details tab to first save the Maint. Objects in the Repair Order'. The screen displays various fields for Repair Shop Details, Repair Order Details, and a table for Maint. Object Details.

#	Line	Part #	UOM	Serial #	Lot #	Manufacturer Lot #	Stock Status	Total Cost
1	1	0006484-803:C2683		02			Accepted	
2								

Exhibit 2: Identifies the Workscope Details tab in **Create Repair Order** screen

The screenshot shows the 'Create Repair Order' screen in the 'Repair Order Management' application. The 'Maint. Object & Work Scope Details' section is expanded, and the 'Workscope Details' tab is selected and highlighted with a red box. A yellow callout box points to this tab with the text: 'Workscope Details tab to provide Workscope for specific Maint. Object Line #s'. The screen displays various fields for Repair Shop Details, Repair Order Details, and a table for Workscope Details.

#	Maint. Object Line #	Repair Process Code	Maintenance T	Serial #	Comments	Mfr. Part #
1	1	Advance Exchange	Inspe			
2	1	Advance Exchange				

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

The screenshot displays the 'Manage Workscope Level Quotation' interface. At the top, there's a breadcrumb trail: > Repair Order Management > Repair Order > Manage Workscope Level Quotation. Below this, a header bar shows 'Quote Line #/Part # 2 / repl3', 'Repair Cost 15.00', 'Part # / Description repl3/repl3', 'Serial # RAMCO', and 'Lot #'. The main section is titled 'Quotation Details' and contains a table with the following columns: #, Est. Man Hrs, Cost/Man Hour, Labor Cost, Material Cost, Misc. Cost, Material Cost (Workscope), and Created by / Date. The table has two rows. Row 1 shows '1', '15.00', and '15.00'. Row 2 shows '2', '15.00', and '15.00'. A red box highlights the 'Material Cost (Workscope)' column, which contains the text 'Not Entered'. A yellow callout box points to this link with the text 'Link to launch 'Material Cost' pop-up screen'. At the bottom, there is a 'Save' button.

Exhibit 6: Identifies the **Material Cost** pop-up screen launched from Workscope Level Quotation

The screenshot displays the 'Material Cost' pop-up screen. It has a title bar 'Material Cost' with standard window controls. The main section is titled 'Repair Order Details' and contains the following information: Repair Order # REP-000246-2020, Amend. # 0, Status Quoted, Repair Shop 00198, Repair Shop Name OV01 - JENIC BELANGER, and Material Cost 10.00. Below this, there are dropdowns for 'Quote Line #/Part # All' and 'Workscope Quote Line # 4 | Qt. Line: 2'. The 'Material Details' section contains a table with the following columns: #, Quote Line # / Part #, Quote Part Desc., Workscope Quote Line #, Repair Process Code, and Work Unit #. The table has three rows. Row 1 shows '1', '2/repl3', '4 | Qt. Line: 2'. Row 2 shows '2', 'All', 'All'. Row 3 shows '3', 'All', '4 | Qt. Line: 2'. At the bottom, there is a 'Record Material Cost' button and a link 'Edit TCD'.

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

The screenshot shows the 'Set Process Parameters' screen in the Ramco Aviation Solution. The 'Entity Details' section shows 'Entity Type' as 'Reports' and 'Record Status' as 'Active'. The 'Process Parameter List' table has two rows: Row 1 is 'Form Issue #/Rev #' with 'Permitted Values' as 'Enter Form issue #/Revision #' and 'Value' as '12341'; Row 2 is empty. A yellow callout points to Row 1 with the text 'New Process parameter added'. The 'Entity' dropdown is set to 'Material Return Document', and a list of entities is shown: 'AC Maint. Due Report', 'Cmp. Maint. Due Report', 'Daily Planning Report', 'Maint. Status Report', 'Material Return Document', 'Material Movement Document', 'Part Tag Report', 'VAR Report', and 'Flight Summary Report'. A yellow callout points to 'Material Movement Document' with the text 'New Entities under Entity Type 'Reports''. The 'Status' dropdown is set to 'Defined'.

#	Process Parameter	Permitted Values	Value	Status
1	Form Issue #/Rev #	Enter Form issue #/Revision #	12341	Defined
2				

Exhibit 2: Identifies the Form # addition in MMD report

		MATERIAL MOVEMENT DOCUMENT 		Ramco Airways 64, Sardar Patel Road,, 1, New Tower, Chennai, Chennai, Tamil Nadu, India 600113		
Doc Information		Request 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		
Requestor Remarks:						
Delivery Instructions:						
Transfer Information						
Stock Transfer		From Warehouse #		To Warehouse #		
Issued By		Date		Received by		
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
End Of Report						
Legend : UOM - Unit Of Measurement, S/O - Shop Work Order, QTY - Quantity						
Generated On : 15 Aug 2019 20:43:35 dd-mm-yy hh:mm:ss Page 1 of 1						
QAF-355 REV 0 - 16-APR-2019						

Form # in MMD Report

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

		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-90-81OP-LKA	OP-90-81OP-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				
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Form # in Return Report </div>								
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 <div style="border: 1px solid red; padding: 2px; display: inline-block;">QAF-355 REV 0 - 16-APR-2019</div>								

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

Logistics Common Master

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

The screenshot shows the 'Manage Logistics Quick Codes' screen. In the 'Select Quick Code Type' section, 'Supplementary Info - Others' is selected in the 'Quick Code Type' dropdown. This selection triggers a change in the 'Ref. Doc. Type' dropdown to 'Shipping Note'. A yellow callout box points to the 'Supplementary Info - Others' selection with the text 'New Quick Code Type added'. The 'Quick Code Type Mandatory?' dropdown is set to '--Not Applicable--'. Below this, the 'Quick Code Details' table lists various quick codes. At the bottom, there are buttons for 'Update All Ref. Doc. Sub Types' and 'Save'.

#	Quick Code	Description	Mandatory?	Applicable on?	Parts Associated?	Recorded at Srl/Lot?	Status	Created by	Created Date
1	CHECKLIST	checklist	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-16-2019 04:44:1
2	DFDF	GFDG	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-28-2019 06:49:1
3	QC1	QC11	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-16-2019 03:08:1
4	QC2	QC211	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-16-2019 03:08:1
5	QUICK22	QUICK22	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-28-2019 10:15:1
6	TEST1	TEST1	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-14-2019 11:36:1
7	Test30082	test	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-30-2019 09:32:1
8	test4	test4	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-19-2019 12:01:1
9	test5	test5	<input type="checkbox"/>	Document	NA	No	Active	DMUSER	08-19-2019 12:02:1
10	part	part	<input type="checkbox"/>	All Parts	NA	No	Active	DMUSER	08-30-2019 12:44:1

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.

Exhibit 2: Identifies the Associate Parts screen

Procurement Management > Logistics Common Master > Associate Parts

Associate Parts

Quick Code Type: Supplementary Info - Others

Search On: Quick Code Round3-1

New Quick Code Type added

Quick Codes defined are loaded

#	Quick Code	Part #	Part Description	Include Alternates?	Part Group	Part Category	Part Type	Part Classification	Quick
1	TEST3	0000:4373A	PRES 0-30PSI 3" GAUGE	<input type="checkbox"/>					TES
2	TEST3	15LF283-	BOGUS	<input type="checkbox"/>					TES
3	TEST3	:35895	EXPRESS U.S.RATE SH EET	<input type="checkbox"/>					TES
4	test10	00001	<3	<input type="checkbox"/>					test:
5	QUICK	N1:S4718_c	N1:S4718_CAP	<input type="checkbox"/>					QUI
6	QUICK	N1:S4718_R	N1:S4718_REV	<input checked="" type="checkbox"/>					QUI
7	PART BASED	0000:4373A	PRES 0-30PSI 3" GAUGE	<input type="checkbox"/>					PAR
8	QUICK			<input type="checkbox"/>	400007-CM-A330...				QUI
9	98F27408413000...	98F2740841	THS ATTACH BOLTS EXTRACTOR	<input type="checkbox"/>					98F
10	Serial Part	143T5884-	PANEL	<input type="checkbox"/>					Seri

Save

View Alternate Part Nos

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

Stock Management > Stock Issue > Record Shipping Note

Record Shipping Note

Shipping Document Details

Shipping Note # _____ Status _____ Numbering Type **RSN**

Shipping Note Type **Issue Based** Shipment Category _____ User Status _____

Shipping Warehouse # **0123** Shipment Date **09-04-2019** Shipment Time **16:16:17**

Supplementary Info? _____

Recipient Info **Sender Info**

Ship To Address Details

Ship To **Customer** Ship To Code **400007** Ship To Address ID **Bill to**

Recipient Name **Customer 8** Ship To Address **7373 Côte-Vertu west** City **Dorval**

State **QC** Country **CA** Zip Code **H4S 1Z3**

☐ Residential Address?

Contact Info

Contact Person **Accounts Payable** Fax # _____ Phone # _____

Extn. _____ Mobile # _____ Email _____

Freight Details

Carrier Code _____ Shipping Method **As per routing guide** INCO Terms **CFR**

Shipping Payment _____ Freight Terms _____ Freight Charge _____ CAD

☐ Collect on Delivery Collect Amount _____ CAD

Vehicle # / Flight # _____ Vehicle / Flight Date _____ Collection Type _____

Way Bill # _____ Way Bill Date _____ Bill of Lading # _____

Packslip # _____ Packslip Date _____ Freight Billable? ☐

Insurance Details

Packaging Details

No. of Packs _____ Gross Weight _____ Net Weight _____

Packaging Code **AA88** Package Dimension (L*B*H) _____ Container # _____

Packed by Emp. **P** Packaging / Handling Terms _____

Part Details

#	Part #	History	Part Description	Quantity	UOM	Serial #	Lot #	Manufacturer Lot #	Unit Cost	Base Currency	Value
1	PRT01		PRT01	1.00	EA	MSN_sRL02			190.59	CAD	190.59
2										CAD	

Container Details

Other Details

File Name [View File](#)

Shipping Remarks

Cancellation Comments

Record/Update **Confirm** **Cancel** **Reverse**

Record Hazmat Compliance [Attach Documents](#) [Generate Shipping Note Report](#)

[Upload Documents](#) [View Associated Doc. Attachments](#) [Generate DD1149](#)

[View Customer Records](#) [View Supplier Details](#) [View Planning Information](#)

[View Part Main Information](#) [Manage Supplementary Information](#)

New link added

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:

The screenshot shows the 'Select Shipping Note' screen. A yellow callout box points to the 'Parent Ref. Doc. #' dropdown menu, which now includes 'Customer PO #' as a new option. The screen also displays search criteria and search results.

#	Shipping Note #	Shipment Date	Shipping Note Type	Shipment Category	Shipping Contact	User Status	Shipping Method
1	RSN-000939-2019	Jun/18/2019	Issue Based		Ramco, Dmuser		As per routing guide
2	RSN-000945-2019	Jun/19/2019	Issue Based		Ramco, Dmuser		As per routing guide
3	RSN-000940-2019	Jun/18/2019	Issue Based		Ramco, Dmuser		As per routing guide

Exhibit 2: Identifies the addition of new column 'Shipping Area' in **Select Reference Document** screen of **Record** Shipping Note activity:

The screenshot shows the 'Select Reference Document' screen. A yellow callout box points to the 'Shipping Area' column in the search results table, which is a new field added to the screen. The screen also displays search criteria and search results.

#	SHP	Ref. Doc. Type	Part Description	Group Ship ID	Shipment Readiness?	Hold Code	COD?	Shipping Area
1		Issue			Ready for Shipment		No	
2		Issue			Ready for Shipment		No	
3		Issue			Ready for Shipment		No	
4		Issue			Ready for Shipment		No	
5		Issue			Ready for Shipment		No	
6		Issue			Ready for Shipment		No	
7		Issue			Ready for Shipment		No	
8		Issue			Ready for Shipment		No	
9		Issue			Ready for Shipment		No	
10		Issue			Ready for Shipment		No	

Exhibit 3: Identifies the addition of new column 'Shipping Area' in **Record Shipping Note** screen

Home > Stock Management > Stock Issue > Record Shipping Note

Record Shipping Note

Shipping Document Details

Shipping Note # _____ Status _____ Numbering Type **RSN**

Shipping Note Type **Issue Based** Shipment Category _____ User Status _____

Shipping Warehouse # _____ Shipment Date **Jun/25/2019** Shipment Time **18:43:47**

Recipient Info | Sender Info

Ship To Address Details

Ship To **Customer** Ship To Code **400007** Ship To Address ID **Bill to**

Recipient Name **Customer 8** Ship To Address **7373 Côte-Vertu west** City **Dorval**

State **QC** Country **CA** Zip Code **H4S 1Z3**

☐ Residential Address?

Contact Info

Contact Person **Accounts Payable** Fax # _____ Phone # _____

Extn. _____ Mobile # _____ Email _____

Freight Details

Carrier Code _____ Shipping Method **As per routing guide** INCO Terms **CFR**

Shipping Payment _____ Freight Terms _____ Freight Charge _____ CAD

☐ Collect on Delivery Collect Amount _____ CAD

Vehicle # / Flight # _____ Vehicle / Flight Date _____ Collection Type _____

Packslip # _____ Packslip Date _____ Bill of Lading # _____

Insurance Details

Packaging Details

Part Details

#	Part #	Parent Ref. Doc. #	Reason for Rejection	Shipping Area	Cust. PO #	Group Ship ID	Hold Code
1	08854-42:P6356	MR-003037-2019					
2	08854-42:P6356	MR-003037-2019					
3	08854-42:P6356	MR-003037-2019					
4	08854-42:P6356	MR-003037-2019					
5	08854-42:P6356	MR-003037-2019					

Container Details

Other Details

Record / Update Confirm Cancel Reverse

Record Hazmat Compliance Attach Documents Generate Shipping Note Report

Upload Documents View Associated Doc. Attachments View Part Main Information

View Customer Records View Supplier Details View Planning Information

New field added

WHAT'S NEW IN SUPPLIER?

Provision for additional User defined information in Supplier Bank Information

Reference: APRP-137

Background

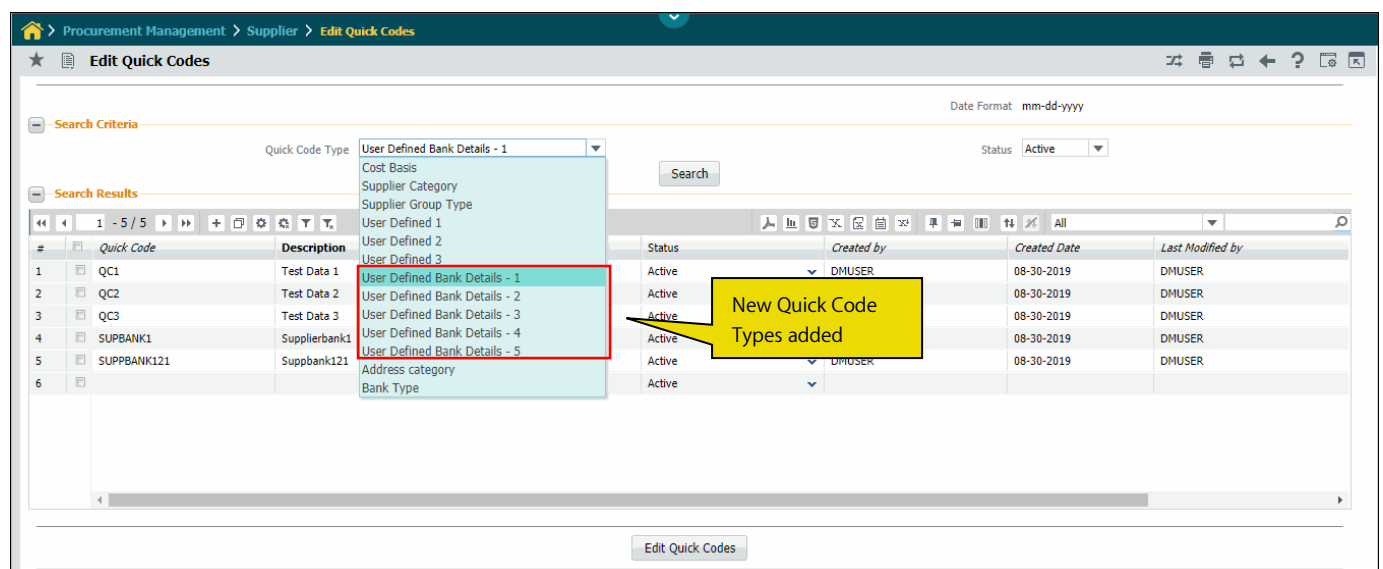
The bank details for the Supplier can be entered in the **Edit Supplier Bank Information** screen. This enhancement provides the ability to give additional user defined information in the Supplier Bank Information.

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

Procurement Management > Supplier > Edit Supplier Bank Information

★ Edit Supplier Bank Information

Date Format: mm-dd-yyyy

Supplier # WC8758 Supplier Name Supplier 655

Bank Account Information

#	User defined details - 5	User Defined Bank Details - 1	User Defined Bank Details - 2	User Defined Bank Details - 3	User Defined Bank Details - 4	User Defined Bank Details - 5
1						

New fields added

Edit Supplier Bank Information

Maintain Bank Reference

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

The screenshot shows the 'Select RFQ' screen with the following sections:

- Direct Entry:** RFQ # [text box] View RFQ Information
- Search Criteria:**
 - RFQ # [text box]
 - RFQ (Base / Supplier) [dropdown]
 - RFQ Priority [dropdown]
 - Part # [text box]
 - Created by [text box]
 - RFQ Date From: 05-08-2019 [calendar icon]
 - RFQ Type [dropdown]
 - RFQ Category [dropdown]
 - Supplier # [text box]
 - RFQ Date To: 05-09-2019 [calendar icon]
 - Buyer Group [dropdown]
 - User Status [dropdown]
 - Status [dropdown]
- Search Results:**

#	RFQ #	RFQ Date	Status	Supplier #	Supplier Name
1	RFQ-000031-2019	13-08-2019	Fresh		
2	RFQ-000031-2019-01	13-08-2019	Fresh	00141	Supplier 5
3	RFQ-000031-2019-02	13-08-2019	Fresh	00144	Supplier 6
4	RFQ-000031-2019-03	13-08-2019	Fresh	00153	Supplier 7
5	RFQ-000031-2019-04	13-08-2019	Fresh	00194	Supplier 8

At the bottom, there are two links: 'Generate RFQ Report' and 'Generate Quote Comparison Report'. The latter is highlighted with a red box and a yellow callout bubble saying 'New link added'.

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

ramco								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 BOLT	5.00 EA	Quoted Part #	0-0103-3-0383:36361	0-0103-3-0383:36361	0-0103-3-0383:36361					
			Qty	5.00	5.00	5.00					
			CND	New	New	New					
			LT (Days)								
			CERT								
			Unit Price	164.50	131.60	65.80					
			Add. Charges	0.00	0.00	0.00					
			Total Price	822.50	658.00	329.00					
			Add. 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						

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

Procurement Management > Logistics Common Master > Configure Printer

★ Configure Printer

MMD Printer Label Printer

Search Criteria

Warehouse # Zone # Transaction Type

Search

Configure Printer

#	Warehouse #	Zone #	Transaction Type	Work Center #	From Time	To Time	Ref. Doc. Priority	Printer	No. of Copies
1	BanCustUS		General Return					\\str-print-	1
2	C-US-SH-W		General Return					\\str-print-	1
3	EMCKITTING		General Return					\\str-print-	1
4	BanCust		General Return					\\str-print-	1
5	0123		General Return				UR	CLDZ	2
6	C-S-SH-W		General Return					\\str-print-	1
7	EX-SR-RT-W		General Return					\\str-print-	1
8	EX-RP-WH		General Return					\\str-print-	1
9	JFKB6OUTSV		General Return					\\str-print-	1
10	JFKB6_US		General Return					\\str-print-	1
11	JFKB6OUTUS		General Return					\\str-print-	1
12	JFKB6REC		General Return					\\str-print-	1
13	JFKB6SOV		General Return					\\str-print-	1
14	JFKB6Store		General Return					\\str-print-	1
15	MEMFedex		General Return					\\str-print-	1
16	MEMFedOut		General Return					\\str-print-	1
17	MEMFedOV		General Return					\\str-print-	1
18	MSPDelta		General Return					\\str-print-	1
19	MEMFedREC		General Return					\\str-print-	1
20	OPBal-CO		General Return					\\str-print-	1

Save

New field added

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.

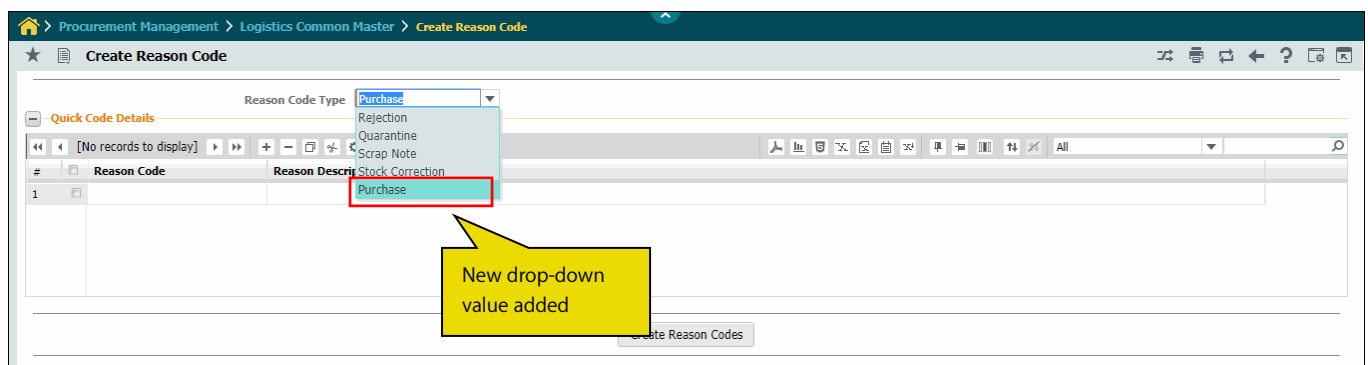
Change Details

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.
 - Purchase Reason - Specifies the reason for the purchase of the part.
 - Aircraft Reg # - Identifies the aircraft for which the part is being procured.
 - A/C Model # - Identifies the Aircraft Model.
 - 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'.

- 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

Create Purchase Request

PR Document Information

Purchase Request # _____

PR Date: Aug-13-2019

PR Category: _____

Buyer Group: BG01

Aircraft Reg #: _____

Remarks: _____

Numbering Type: PR

PR Type: Owned

User Status: _____

Expense Type: Revenue

Ordering Location: RAMCO OU

Status: _____

PR Priority: _____

Part Type: _____

PR Value: CAD

Purchase for & Expense Details

Purchase for: Customer

Pur. for Trading Partner #: _____

PO & Inv. Org.: _____

Expense to: _____

Trading Partner Name: _____

Default Entries

Default CAPEX Proposal #: _____

Default Need Date: _____

Requirement Details

#	Part #	Date	Warehouse #	Purchase Reason	Aircraft Reg #	A/C Model #	Contract Type	Contract #	CAPEX Proposal #
1				010	11001	1090	Service Sale Contract	400007EM12012APUCL	
2									

Get Details (Push button renamed)

Create Purchase Request (New fields added)

Record Statistics

Created by: _____ Created Date: _____

Exhibit 3: Identifies the View Purchase Order screen

View Purchase Order

Purchase Order # APO00348319 Status Fresh Amendment # 0 Get Amdnt details

PO Date Jul-25-2019 Core Status Amendment Date

PO Category User Status

Supplementary Details

Quotation Details

Quotation # RFQ #
Quotation Date Supplier Offer #
Amendment Ref. # Remarks

Copy Details

Warranty Claim? No Warranty Claim #
Ref. Agreement # Ref. Agreement Date
Claim Remarks

Item Details

#	Part #	e	Matching Type	Purchase Reason	Aircraft Reg #	A/C Model #	Contract Type	Contract #	CAPEX Proposal #
1	00000665:D22		Four Way at GR	%	101	A310	Service Sale Contract	234	

New fields added

Record Statistics

Maintain Supplier Correspondence
View Terms & Conditions
View Document TCD details
View User Defined Details
View GR List
View Invoice

Upload Documents
View Schedule & Distribution
View Inspection Details
View PO-PR Coverage
View Exchange Issue
View Additional Cost Details

View Part Supplier Mapping
View Part / Service Wise Rating
View Advance Shipping Note

View Supplier Part Mapping
View Supplier Rating
View Part Notes

View Associated Doc. Attachments
View Part TCD details
View Dropship Details
View References
Generate PO Report
View Spares for Subcontract PO

View Part Price History
View Part Supply Chain Performance

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:

- 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

The screenshot shows the 'Manage Logistics Quick Codes' screen. At the top, the breadcrumb navigation is 'Procurement Management > Logistics Common Master > Manage Logistics Quick Codes'. The main title is 'Manage Logistics Quick Codes'. Below the title, there are two sections: 'Select Quick Code Type' and 'Quick Code Type Properties'. In the 'Select Quick Code Type' section, the 'Quick Code Type' dropdown is set to 'Clauses', which is highlighted by a yellow callout box labeled 'New Quick Code Type Added'. The 'Ref. Doc. Type' dropdown is set to 'Repair Order', and the 'Ref. Doc. Sub Type' dropdown is set to '--Not Applicable--'. In the 'Quick Code Type Properties' section, the 'Quick Code Type Mandatory?' dropdown is set to '--Not Applicable--', and the 'Quick Code Type Usage' is set to 'Multiple'. Below these sections is the 'Quick Code Details' table. The table has columns: #, Quick Code, Description, Mandatory?, Applicable on?, Parts Associated?, Recorded at Srl/Lot?, and Status. The table contains 6 rows of data. At the bottom of the screen, there is a 'Save' button and a link labeled 'Associate Parts / Suppliers', which is highlighted by a yellow callout box labeled 'Link renamed'.

#	Quick Code	Description	Mandatory?	Applicable on?	Parts Associated?	Recorded at Srl/Lot?	Status
1	Invoice and Billing	Billing Terms	<input checked="" type="checkbox"/>	Document	NA	No	Active
2	Quality Control	Quality checking	<input type="checkbox"/>	Document	NA	No	Active
3	Shipping Terms	Shipping Conditions	<input type="checkbox"/>	Document	NA	No	Active
4	Warranty Agreements	Warranty required	<input type="checkbox"/>	Document	NA	No	Active
5	Inspection	Inspection of Parts	<input checked="" type="checkbox"/>	Specific Part	No	No	Active
6			<input type="checkbox"/>			No	Active

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

The screenshot shows the 'Associate Parts / Suppliers' screen. The 'Quick Code Type' dropdown is set to 'Clauses' (highlighted with a yellow box and labeled 'New Quick Code Type'). The 'Search On' dropdown is set to 'Supplier #' (highlighted with a yellow box and labeled 'New Search On value'). The 'Supplier #' field in the table is highlighted with a yellow box and labeled 'New editable field'. The table lists various parts and their associated suppliers.

#	Quick Code	Part #	Part Description	Include Alternates?	Part Category	Part Type	Part Classification	Supplier #
1	Component Life			<input checked="" type="checkbox"/>	Non-Aircraft for Compo...			00060
2	Inspection			<input type="checkbox"/>		Component		00000
3	Quality Control			<input type="checkbox"/>			Repairable	99999
4	Part Warranty	000:99999		<input type="checkbox"/>				00198
5	Radioactivity Ch...			<input type="checkbox"/>	Non-Aircraft for Engine M...			
6				<input type="checkbox"/>				

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

The screenshot shows the 'Attach Clause' screen. The 'Search Criteria' section displays 'Order # AFRO-002950-2020', 'Clause Id' (empty), 'Part # 00059-037:32500', and 'Supplier # 00000'. The 'Search Results' table lists various clauses and their applicability.

#	Clause Id	Clause	Part #	Applicable	Print Seq.
1	Inspection	Inspection of received parts is mandatory		<input checked="" type="checkbox"/>	1
2	Component life	Component Life = 100 TSN		<input checked="" type="checkbox"/>	2
3	Part Warranty	Warranty Required		<input checked="" type="checkbox"/>	3
4	Shipment	Shipping cost will be validated		<input checked="" type="checkbox"/>	4
5				<input type="checkbox"/>	

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

The screenshot shows the 'View Purchase Order' screen. The top navigation bar indicates 'Procurement Management > Purchase Order > View Purchase Order'. Below the navigation bar is a table with one item (RT-01). At the bottom of the screen, there is a list of links organized into three columns. A yellow callout box points to the 'Attach Clause' link in the bottom right column.

#	Part #	Mfr. Part #	Mfr. #	Part Description	Order Quantity	Received Qty	Accepted Qty	Short Closed Qty
1	RT-01	RT-01	00000	Rt-01	5.00	5.00	5.00	

Links available at the bottom of the screen:

- Maintain Supplier Correspondence
- View Terms & Conditions
- View Document TCD details
- View User Defined Details
- View GR List
- View Invoice
- View Part Supplier Mapping
- View Part / Service Wise Rating
- View Advance Shipping Note
- Upload Documents
- View Schedule & Distribution
- View Inspection Details
- View PO-PR Coverage
- View Exchange Issue
- View Additional Cost Details
- View Supplier Part Mapping
- View Supplier Rating
- View Part Notes
- View Associated Doc. Attachments
- View Part TCD details
- View Dropship Details
- View References
- Generate PO Report
- View Spares for Subcontract PO
- View Part Price History
- View Part Supply Chain Performance
- Attach Clause** (highlighted)

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

The screenshot shows the 'Manage Repair Quote' screen. The top navigation bar indicates 'Repair Order Management > Repair Order > Manage Repair Quote'. Below the navigation bar is a table with two lines (1 and 2). At the bottom of the screen, there is a list of links organized into three columns. A yellow callout box points to the 'Attach Clause' link in the bottom right column.

#	Line / Part #	Description	RO Qty	UOM	Quote Qty	Repair Cost	Repair Cost Break	Exchange Cost	BER?
1	1/0000:4373A	PRES 0-30PSI 3" GAUGE	1.0000000	EA	1.00	10.00000000	Optional		
2									

Links available at the bottom of the screen:

- Record Material Cost
- Upload Documents
- Maintain Repair Shop Correspondence
- Part - Serial # / Lot # Transaction History
- Record Discrepancy Analysis
- Edit TCD
- Authorize RO
- Attach Clause** (highlighted)
- Edit Terms and Conditions
- Edit User defined Details
- Generate RO Report

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

Loans & Rentals Management > Loan Order > Edit Loan Order

★ **Edit Loan Order**

Order Value 0.00 CAD Exchange Rate 1.00000000 Base Currency Value 0.00 CAD

Calendar based Lease Charges Parameter based Lease Charges

Found no rows to display!!!

#	From Calendar Period	To Calendar Period	UOM	Rate Per UOM	Charges per Unit as % of Pa	Charge for Period	Remarks
1							

Other Details

Employee # 00000001 Employee Name Wolfwood, Nicholas LO Option 1 LO Detail 1

Comments

Document Attachment Details

File Name View File

Edit Loan Order Cancel Loan Order

New link added

Edit TCD Attach Clause

Edit Terms and Conditions Authorize Loan Order Edit Penalty Charges Generate Loan Order Report

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

PHONE : 450-647-2779, LARRY @ 450-442-6924 FAX # : 450-647-2834 J.BELANGER

E-MAIL :

64, Sardar Patel Rd, Shriram Nagar, Chennai, Tamil Nadu, 600113

RMA #	RMA DATE	SHIP BY	INCO TERM	PAY TERM
BUYER Wolfwood, Nicholas	PHONE : FAX :	QUOTATION # : ORDER CURRENCY: CAD	DUE DATE 01-23-2020	APPROVED BY

PART DETAILS

SL #	PART # PART DESCRIPTION	SERIAL # LOT #	QTY	WORK REQUESTED	REPAIR COST EXCH COST
1	:10973-PDC1		1 EA		
	:10973-PDC1	LOT-007381-2019			

REMARKS:

Terms and Conditions

1. Payment will be made on the 20th of the month following invoice unless otherwise agreed.

DOCUMENT LEVEL CLAUSE

1. Quality Control Quality checking
2. Shipping Terms Shipping Conditions
3. Invoice and Billing Billing Terms

PART LEVEL CLAUSE

1. :10973-PDC1 Warranty Agreements Warranty required

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

The screenshot displays the 'Manage Additional Options' screen for a customer. The 'Definition For' section shows 'Category: Procurement for Customer'. Below this, a table lists parameters. The first row is highlighted with a red box, and a yellow callout bubble points to it with the text 'Existing parameter modified'.

#	Category	Parameter	Permitted Values	Value	Error Message	Created by
1	Procurement for Customer	Purchase on behalf of Customer	Specify '0' for 'Not Required' and '1' for 'Required'			
2	Procurement for Customer	Default numbering type for Purchase Request	Specify a valid numbering type applicable for Purchase			
3	Procurement for Customer	Default numbering type for Auto Purchase Request	Specify a valid numbering type applicable for Purchase			
4	Procurement for Customer	Default numbering type for Purchase Order	Specify a valid numbering type applicable for Purchase			
5	Procurement for Customer	Default numbering type for Goods Inward Document	Specify a valid numbering type applicable for Goods			
6	Procurement for Customer	Default numbering type for Exchange Issue	Specify a valid numbering type applicable for Exchange			
7	Procurement for Customer	Default Sourcing Option for Customer Stock Demands	'0' for On Behalf Procurement, '1' for Customer Goods			
8	Procurement for Customer	Billability of On Behalf Procurement	'0' for Yes, '1' for As Required			
9						

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,
 - 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.
 - 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 #'.
 - 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 #'.
 - 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".
 - Mfr. Serial # and Mfr. Lot # columns are added to identify the Serial/Lot # available in the shipment.
 - 'Freight Charge' column is added to identify the Freight cost at Part/Serial-Lot level.
 - '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

Stock Management > Stock Issue > Record Shipping Note

Record Shipping Note

Freight Details

Carrier Code: AGN
Shipping Payment: 42
Collect on Delivery: ☐
Vehicle # / Flight #:
Way Bill #: 1
Packslip #: 2

Shipping Method: Special Instructions
Freight Terms:
Collect Amount:
Vehicle / Flight Date:
Way Bill Date: 01-04-2020
Packslip Date: 01-04-2020

INCO Terms: ASTQ
Freight Charge: 1,100.00
Collection Type: 81
Bill of Lading #:
Freight Billable?: YES

Insurance Details

Packaging Details

Part Details

#	Part #	History	Part Description	Quantity	UOM	Serial #	Lot #	Manufacturer Lot #	Unit Co	Base Currency	Freight Charge	Value
1	0000:4373A		PRES 0-30PSI 3" GAUGE	1.00	ea				142.50	CAD	750.00	142.500000
2	:35895		EXPRESS U.S.RATE SH EET	1.00	ea				3,000.00	CAD	350.00	3000.000000
3												

Container Details

Other Details

Record / Update Confirm Cancel Reverse

New Field added

Exhibit 2: Identifies the changes in View Shipping Note screen

Stock Management > Stock Issue > View Shipping Note

View Shipping Note

Freight Details

Carrier Code: AGN
Shipping Payment: 60
Collect on Delivery: No
Vehicle # / Flight #: 12
Packslip # / Date: 2
Way Bill # / Date: 1

Shipping Method: Special Instruction...
Freight Terms:
Collect Amount: 1000.00000000 CAD
Vehicle / Flight Date: 01-04-2020
Freight Billable?: NO

INCO Terms: ASTQ
Freight Amount: 1,100.00
Collection Type: 96
Bill of Lading #: NA
Freight Terms:

Insurance Details

Packaging Details

No. of Packs:
Packaging Code:
Packed by Emp.:
Gross Weight:
Package Dimension (L*B*H):
Packaging / Handling Terms:
Net Weight: 5.00
Container #: BL

Part Details

#	Part #	Part Description	Quantity	UOM	Serial #	Lot #	Manufacturer Lot #	Unit Cost	Base Currency	Freight Charge	Value
1	0000:4373A	PRES 0-30PSI 3" GAUGE	1.00	ea				142.50	CAD	750.00	142.50
2	:35895	EXPRESS U.S.RATE SH EET	1.00	ea				3,000.00		350.00	3000.00

New Field added

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

Procurement Management > Advance Shipping Note > Create Advance Shipping Note

★ Create Advance Shipping Note RAMCO OU-ramco role

ASN Info

ASN # ASN Date Numbering Type Status

Trading Partner Type Trading Partner # Remarks

Trading Partner ASN # Trading Partner ASN Date

Way Bill # Way Bill Date

ASN Details

Origin Destination Expected Date of Delivery

ASN Sent By Carrier / Agency # Carrier / Agency Name

Shipped by INCO Term TransShipment

Insurance Terms Insurance Liability Freight Amount EUR

Invoice # Invoice Amount

Parts List

#	Ref.	Ref. Document #	Part #	Part Description	Mfr. Serial #	Mfr. Lot #	Freight Amount	Qty in Trans	UOM	Palette	Comments	Part Details
1	C...	CO-008343-2020	0000:4373A	PRES 0-30PSI 3" GAUGE	SL-001		850.00	1.00	EA			Length : 10.000 CM Width : 12.000 CM Height : Weight : V
2	C...											

Get Details Create Advance Shipping Note

Annotations:

- New Field added (Trading Partner Type)
- New Fields added (Mfr. Lot #, Freight Amount)
- New Field added (Part Details)

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/binning 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

Goods Inward

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/binning 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

ramco		GOODS RECEIPT NOTE		RAMCO SYSTEMS LIMITED1 CHENNAI, TAMILNADU, INDIA							
GR Details		Order Info		Other Details							
GI-010396-2019 		PO # / RO # / RS #: CO-008016-2019 Date: Aug-14-2019 Supplier Name:		Pack Slip #: Pack Slip Date: Way Bill #: Way Bill Date: No of Packs: Weight: EA							
GR Date Aug-16-2019 GR Type Customer Goods Receipt	GR Status Accepted-Pending Movement GR Category										
S.No	Part # Description	Received Qty Quarantined Qty	Accepted Qty Rejected Qty	Moved Qty	UOM	Mfr.Serial # Mfr.Lot #	Certificate # Certificate Date	Expiry Date	Condition Stock Status	Warehouse #	Zone # Bin #
1	000-99999 ELECTRICAL TEST HARNESS	1.00 0.00	1.00 0.00	0.00	EA	Exch_mfrsrl	1 Aug-09-2019		New Customer		
Created by : Wolfwood, Nicholas Confirmed by : Wolfwood, Nicholas Inspected by : Wolfwood, Nicholas Binned by : null											
<div style="border: 1px solid black; padding: 5px; display: inline-block;">New fields added</div>											
Generated On: Aug-21- 04:00:22 PM Date Format: mmm-dd-yyyy Time Format: hh:mm:ss Page 1 of 1											

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

The screenshot shows the 'Manage Logistics Quick Codes' interface. The 'Quick Code Type' is set to 'Package Condition'. The 'Ref. Doc. Sub Type' dropdown is expanded, showing 'Regular Purchase' and 'Repair Receipt' as new options. A yellow callout box points to these options with the text 'Two new drop-down values added'.

#	Quick Code	Description	Mandatory?	Applicable on?	Parts Associated?	Recorded at Srl/Lot?
1	Check	check			NA	No
2	Check	check			NA	No
3	Check	check			NA	No
4	Check	check			NA	No
5	New	New	Yes		NA	No
6	Recycled	Recycled	Yes		NA	No
7	test	test	Yes		NA	No
8	test2	test2	Yes		NA	No
9	Tuned	Tuned			NA	No
10	Tuned	Tuned	Yes		NA	No

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

Procurement Management > Logistics Common Master > Set Inventory Process Parameters

Set Inventory Process Parameters

RAMCO OU-Ramco Role

Date Format yyyy-mm-dd

Search Criteria

Category

Search Results

#	Category	Parameter	Permitted Value	Value	Status
57	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'	2	Defined
58	Goods Inward - Customer Goods Receipt	Inspection of spare parts received from customer	Enter '0' for 'Not Required', '1' for 'Required', '2' for 'Based on QC'	1	Defined
59	Goods Inward - Customer Goods Receipt	Mandate Parameter Value update post Compliance based Reset?	Enter '0' for 'No', '1' for 'Yes'	0	Defined
60	Goods Inward - Customer Goods Receipt	Mfr. Date for New Components	Enter '0' for 'Optional', '1' for 'Mandatory'	1	Defined
61	Goods Inward - Customer Goods Receipt	Ownership Change for customer exchanged core units upon binning	Enter '0' for 'Not Required', '1' for 'Required'	1	Defined
62	Goods Inward - Customer Goods Receipt	Tech. Records update during Inspection	Enter '0' for 'No', '1' for 'Yes'	0	Defined
63	Goods Inward - Customer Goods Receipt	Validate verified Tech. Records on Confirm Inspection	Enter '0' for 'Not Required', '1' for 'Required'	0	Defined
64	Goods Inward - Regular Purchase	Allow Override of Duty Document Check	Enter '0' for 'No', '1' for 'Yes'	0	Defined
65	Goods Inward - Regular Purchase	Certificate Supplier #	Enter '0' for 'Optional', '1' for 'Mandatory'	0	Defined
66	Goods Inward - Regular Purchase	Certificate Supplier # validity check	Enter '0' for 'Not Required', '1' for 'Required'	0	Defined

Set Parameters

Record Statistics

Last Modified by DMUSER

Last Modified Date 2020-01-28

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

Procurement Management > Logistics Common Master > Set Inventory Process Parameters

Set Inventory Process Parameters

RAMCO OU-Ramco Role

Date Format yyyy-mm-dd

Search Criteria

Category

Search Results

#	Category	Parameter	Permitted Value	Value	Status
1	Barcode Label	Barcode to be printed in Label Report	Enter '4' for 'Unique key to identify Part and Serial/Lot #', '3' for	1	Defined
2	Build / Break Kit	Auto Replenishment of Constituent Parts during Build / Re-build Kit	Enter '0' for 'Not Required', '1' for 'Required'	0	Defined
3	Build / Break Kit	Default option for Replenishment MR during Break Kit	Enter '0' for 'Manual', '1' for 'Automatic'	0	Defined
4	Condition based Valuation	Manage Ref. Cost for Part Condition	Enter '1' for 'Standard % Basis', '2' for 'Part Level'	1	Defined
5	Condition based Valuation	Value Adjustment for Actual Cost Parts	Enter '0' for 'Not Required', '1' for 'Condition Based'	1	Defined
6	Condition based Valuation	Value the Parts identified for Scrap (through Repair Order or Work Order) as Zero, when they are brought	Enter '0' for 'No', '1' for 'Yes'	1	Defined
7	Customer Part Exchange	Core Part Valuation for basis for the Top Assembly Advance Exchanged Core Units upon customer goods	Enter '1' for 'Zero Cost', '2' for 'Condition based', '3' for 'Issue'	3	Defined
8	Customer Part Exchange	Core Part Valuation for Sub-Assembly Exchange if Assessed Cost is not applicable/provided	Enter '0' for 'Condition Based', '1' for 'Issue Cost', '2' for	1	Defined
9	Customer Part Exchange	Core Part Valuation for Top-Assembly Exchange if Assessed Cost is not applicable/provided	Enter '0' for 'Condition Based', '1' for 'Issue Cost', '2' for	1	Defined
10	Customer Part Exchange	Enforce Assessed Cost for core in Exchange Order for Sub-Assembly Exchange?	Enter '0' for 'No', '1' for 'Yes'	0	Defined

Set Parameters

Record Statistics

Last Modified by DMUSER

Last Modified Date 2020-01-28

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

Stock Management > Goods Inward > Manage Goods Receipt

Manage Goods Receipt HAECO OU-HAECO ROLE

Select Ref. Doc. # / Receipt #

Ref. Document # CGR20000013 Customer Goods Receipt Go

Receipt Details

Receipt Info.

Receipt # CGR20000013::CMP Receipt Type Customer Goods Receipt Receipt Status Completed

Receipt Date 2020-01-27 Way Bill # / Date COS20000050 Way Bill Date 2020-01-27

Receipt Priority Pack Slip # Pack Slip Date

Received At Received From Ref. Doc. Info.

Other Info

Additional Details

Part Details Serial/Lot Details Work Requested - Customer Parts Supplementary Info **Movement Details** Reports

Display Option All Line # - Moved Receipt Line #

#	HAZ	MVD	Error Indicator	Message Center	Mvmt. Proc. Status	Received Part #	Movement Type	Pending Qty	Move Qty	UOM	Move to Area	Area ID
1		YES			Processed	0111-0005-45	Binning	0.00	1.00	EA		
2							Allocation					

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

Stock Management > Goods Inward > Update Component Removal Assessment Data

★ Update Component Removal Assessment Data

Search Criteria

Document # GI-010748-2020 Document Type Customer Goods Receipt Document Status Received-Pending Inspection

Part # All Mfr. Serial # / Lot # All Internal Serial # / Lot #

Search

Search Results

#	Part #	Part Description	Serial #	Lot #	Mfr. Serial #	Mfr. Lot #	Standard Component Reliability	Actual Component Reliability	Removed from A/C Reg. No	Removed from Part #
1	:35895	EXPRESS U.S.RATE SH					MTBUR/URR, LTR, NFF, Entity 1, Entity 2,		1132	
2	000:99999	ELECTRICAL TEST	797		797		MTBUR/URR, LTR, NFF, Entity 1, Entity 2,	LTR	101	00001
3	000:99999	ELECTRICAL TEST	798		798		MTBUR/URR, LTR, NFF, Entity 1, Entity 2,	NFF,LTR	102	
4	00316:P6371	HEAVY DUTY		LOT-		Lot-10	MTBUR/URR, LTR, NFF, Entity 1, Entity 2,	LTR,NFF,	1133	00000584:D2269

Save

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

Stock Management > Goods Inward > Inspect Parts

★ Inspect Parts

Receipt Info.

Receipt # GI-010748-2020 Receipt Type Customer Goods Receipt Receipt Status Received-Pending Inspection

Receipt Date 01-08-2020 Way Bill # / Date Way Bill Date

Receipt Priority Pack Slip # Pack Slip Date

Received At

Receiving Location JFK Receiving Warehouse # 0123 Receiving Area R2

Received From

Supplier # Customer # 400007 Supplier / Customer Name Customer 8

Ref. Doc. Info.

Ref. Doc. # Ref. Doc. Type Others Ref. Doc. Sub Type

Inspection Info

Additional Details

Part Details Supplementary Info Inspection Check List Movement Details Reports

Display Option All Line # - Inspected Receipt Line #

#	NXT	HAZ	SLF	CRT	ICL	P	CRAD	PTDR	PRG	CFG	Eng. Doc.	INS	PRT	Received Part #	Mfr. Part #	Received Mfr. Serial #	Rec
1	Insp	HAZ			NO		Entered				NA	YES		:35895	:358		
2	Move				NO		Entered				NA	YES		00316:P6371	00316		Lot-
3	Move				NO	Y	Entered	Entered			APP	YES		000:99999	000	797	
4	Insp				NO	Y	Entered	Entered			APP	YES		000:99999	000	798	
5																	

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

Loans & Rentals Management > Loan / Rental Receipt > Edit Loan / Rental Receipt

Edit Loan / Rental Receipt

Condition: Overhauled Inspected By: DMUSER Inspected Date: 02-03-2020

Reason:

Parameter Details

#	Parameter	UOM	Unknown?	TSN	TSO	TSR	TSI	TSV	Warranty?	Warranty Value
1	FH	HRS	Yes						NO	0.00
2			Yes							

Storage Information

Warehouse#: 0121 WH - Zone # Bin #

Stock Status

User Defined Details

User Defined Option -1 User Defined Detail -1 Remarks

Attachments

File Name View File

Edit Receipt Confirm Receipt

[Edit Charge Details](#)
[Record Hazmat Compliance](#)
[Record Inspection Details](#)
[Upload Documents](#)
[Initialize & Update Component Configuration](#)
[Initialize Maint. Program & Update Compliance](#)
[Re-Initialize / Update Parameter Values](#)
[Generate Part Barcode Label](#)
[Manage Part Serial MOD Details](#)
[Update Part Technical Data Requirements](#)
[Update Component Removal Assessment Data](#)

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

Procurement Management > Logistics Common Master > Purchase Option Settings

Purchase Option Settings

Part Not Mapped to Supplier: Allow all PO and Map Part to Supplier

Allow Supplier as Manufacturer Reference: Yes

Allow Movement to Different Warehouse: Allowed

Apportion Doc TCDs to Line Items on: Basic Value

Def.Component # for Inspection:

Component Maintenance Program Check: Non-Mandatory

Matching Type Policy: 4-Way

Mandatory Check for Source WC# in PR / PO / RO: Not Required

Calculation of Shelf Life Expiry Date: Manual

User Rights for Repair Agency Classification: Do not Enforce

Additional Purchase Options

Category: Loan / Rental Receipt

#	Category	Parameter	Permitted Value	Value	Status
1	Loan / Rental Receipt	Component Removal Assessment Data	Enter '0' for 'optional' , '1' for 'mandatory'	1	Defined
2	Loan / Rental Receipt	Mfr. Date for New Components	Enter '0' for 'Optional' , '1' for 'Mandatory'	1	Defined
3	Loan / Rental Receipt	Packing Slip #	Enter '0' for 'Optional' , '1' for 'Mandatory'	0	Defined
4	Loan / Rental Receipt	Way Bill #	Enter '0' for 'Optional' , '1' for 'Mandatory'	0	Defined
5					

Set Options

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 screenshot displays the 'Inspect Parts' screen under the 'Goods Inward' business component. The interface includes sections for Receipt Details, Receipt Info, Received At, Received From, Ref. Doc. Info, Inspection Info, and Additional Details. Below these sections is a table with columns for Part Details, Supplementary Info, Inspection Check List, Movement Details, and Reports. A new column, 'PTDR', has been added to the table, showing 'Entered' for the first three rows. A yellow callout box points to the 'PTDR' column header, stating: 'New column link to launch the Record PTDR screen'.

#	IXT	HAZ	SLF	CRT	ICL	PV	CRAD	PTDR	PRG	CFG	Eng. Doc.	INS	PRT	Received Part #	Mfr. Part #	Received Mfr. Serial #
1	Insp				YES	YES		Entered			NA	NO		1318M46G07:58828	1318M46G07	YES
2	Insp				YES	YES		Entered			NA	NO		161T2008-5:81205	161T2008-5	345
3	Insp				YES	YES		Entered			NA	NO		161T2008-5:81205	161T2008-5	688
4																

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

Loans & Rentals Management > Loan / Rental Receipt > Create Loan / Rental Receipt

★ **Create Loan / Rental Receipt**

Condition Inspected By Inspected Date

Reason

Parameter Details

Found no rows to display!!!

#	Parameter	UOM	Unknown?	TSN	TSO	TSR	TSI	TSV	Warranty?	Warranty Value
1			Yes							

Storage Information

Warehouse# WH - Zone # Bin #

Stock Status

User Defined Details

User Defined Option -1 User Defined Detail -1 Remarks

Attachments

File Name View File

Create Receipt Confirm Receipt

[Edit Charge Details](#)
[Edit Loan / Rental Receipt](#)
[Upload Documents](#)
[Generate Part Barcode Label](#)
[Update Component Removal Assessment Data](#)

[Record Hazmat Compliance](#)
[Initialize & Update Component Configuration](#)
[View Associated Doc. Attachments](#)
[Manage Part Serial MOD Details](#)

[Record Inspection Details](#)
[Initialize Maint. Program & Update Compliance](#)
[Re-Initialize / Update Parameter Values](#)
[Update Part Technical Data Requirements](#)

Exhibit 3: Identifies the Edit Loan / Rental Receipt screen

Loans & Rentals Management > Loan / Rental Receipt > Edit Loan / Rental Receipt

★ **Edit Loan / Rental Receipt**

#	Parameter	UOM	Unknown?	TSN	TSO	TSR	TSI	TSV	Warranty?	Warranty Value
1	FH	HRS	Yes						NO	0.00
2			Yes							

Storage Information

Warehouse# WH - Zone # Bin #

Stock Status

User Defined Details

User Defined Option -1 User Defined Detail -1 Remarks

Attachments

File Name View File

Edit Receipt Confirm Receipt

[Edit Charge Details](#)
[Upload Documents](#)
[Re-Initialize / Update Parameter Values](#)
[Update Part Technical Data Requirements](#)

[Record Hazmat Compliance](#)
[Initialize & Update Component Configuration](#)
[Generate Part Barcode Label](#)
[Update Component Removal Assessment Data](#)

[Record Inspection Details](#)
[Initialize Maint. Program & Update Compliance](#)
[Manage Part Serial MOD Details](#)

Record Statistics

Created by Created Date

Last Modified by Last Modified Date

Exhibit 4: Identifies the View Loan / Rental Receipt screen

Loans & Rentals Management > Loan / Rental Receipt > View Loan / Rental Receipt

★ **View Loan / Rental Receipt** Continuation New Inspected by LPHUSER Inspected Date 01-06-2020

Parameter Details

#	Parameter	UOM	Unknown?	TSN	TSO	TSR	TSI	TSV	Warranty?	Warranty Value
1	FH	HRS	YES						NO	0.00

Storage Information

Warehouse# 0100 WH - Zone # 01 Bin # 05

Stock Status Lease For Exchange

User Defined Details

User Defined Option -1 User Defined Detail -1 Remarks

Attachments

File Name

View Charge Details
Generate Part Barcode Label
Update Component Removal Assessment Data

View Hazmat Compliance
View Part Serial MOD Details

View Associated Doc. Attachments
Update Part Technical Data Requirements

Record Statistics

Created by DMUSER
Last Modified by DMUSER
Confirmed by

Created Date 01-06-2020
Last Modified Date 01-06-2020
Confirmed Date

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)

Inventory Setup > Part Administration > Record Part Technical Data

★ **Record Part Technical Data** RAMCO OU-ramco role

Document Type Regular Purchase Document # GI-010637-2019 Document Date 12-18-2019 Trading Partner Supplier|58828|Supplier 170

Display Option Document Level Part # 161T2008-5:81205 ☒ Display Serial # / Lot #

Search

Parameter Value Requirements **Check List Requirements**

#	Part #	Part Description	Serial #	Mfr. Serial #	Parameter	Since New	Since Overhaul	Since Repair	Since Inspection
1	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	345	345	FH	60.00000000			
2	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	688	688	FH	45.00000000			
3	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	345	345	FC	10.00000000			
4	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	688	688	FC	12.00000000			

Save

Manage Part Technical Data Requirements Upload Documents View Associated Doc. Attachments

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

Inventory Setup > Part Administration > Record Part Technical Data

Record Part Technical Data

Document Type: Regular Purchase Document #: GI-010637-2019 Document Date: 12-18-2019 Trading Partner: Supplier|58828|Supplier 170

Display Option: Document Level Part #: 161T2008-5:81205 ☒ Display Serial # / Lot #

Parameter Value Requirements **Check List Requirements**

#	Part #	Part Description	Serial #	Lot #	Mfr. Serial #	Mfr. Lot #	Requirement Type	Entity	Requirements	Verified?
1	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	688		688		Component Info.	Expiry Date	sgs	YES
2	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	345		345		Component Info.	Expiry Date	sgs	YES
3	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	345		345		Component Info.	Expiry Date	sgs	YES
4	161T2008-5:81205	SIDE STRUT LOWER SPINDLE	345		345		Component Info.	Expiry Date	sgs	YES

[Manage Part Technical Data Requirements](#)
 [Upload Documents](#)
 [View Associated Doc. Attachments](#)

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

Set Inventory Process Parameters

Date Format: mm-dd-yyyy

Search Criteria: Category: Condition based Valuation

Search Results:

#	Category	Parameter	Permitted Value	Value	Status	Error Message
1	Condition based	Manage Ref. Cost for Part Condition	Enter '1' for 'Standard % Basis', '2' for 'Part Level'	1	Defined	
2	Condition based	Value Adjustment for Actual Cost Parts	Enter '0' for 'Not Required', '1' for 'Condition Based'	1	Defined	
3	Condition based	Value the Parts identified for Scrap (through Repair Order or Work Order) as Zero,	Enter '0' for 'No', '1' for 'Yes'	1	Defined	
4						

New parameter added

Set Parameters

Record Statistics: Last Modified by: DMUSER, Last Modified Date: 08-29-2019

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

Set Inventory Process Parameters

Date Format: mm-dd-yyyy

Search Criteria: Category: Customer Part Exchange

Search Results:

#	Category	Parameter	Permitted Value	Value	Status
1	Customer Part	Core Part Valuation for Sub-Assembly Exchange if Assessed Cost is not applicable/provided	Enter '0' for 'Condition Based', '1' for 'Issue Cost', '2' for	1	Defined
2	Customer Part	Core Part Valuation for Top-Assembly Exchange if Assessed Cost is not applicable/provided	Enter '0' for 'Condition Based', '1' for 'Issue Cost', '2' for	1	Defined
3	Customer Part	Enforce Assessed Cost for core in Exchange Order for Sub-Assembly Exchange?	Enter '0' for 'No', '1' for 'Yes'	1	Defined
4	Customer Part	Enforce Assessed Cost for core in Exchange Order for Top-Assembly Exchange?	Enter '0' for 'No', '1' for 'Yes'	1	Defined
5	Customer Part	Value Exchange Core in Inventory based on the Assessed Cost for Sub-Assembly Exchange?	Enter '0' for 'No', '1' for 'Yes'	1	Defined
6	Customer Part	Value Exchange Core in Inventory based on the Assessed Cost for Top-Assembly Exchange?	Enter '0' for 'No', '1' for 'Yes'	1	Defined
7	Customer Part	Value the Exchanged Sub-Assembly Core brought into inventory as Zero, when they are identified for scrap (through	Enter '0' for 'No', '1' for 'Yes'	1	Defined
8	Customer Part	Value the Exchanged Top-Assembly Core brought into inventory as Zero, when they are identified for scrap (through	Enter '0' for 'No', '1' for 'Yes'	1	Defined
9					

New parameters added

Set Parameters

Record Statistics: Last Modified by: DMUSER, Last Modified Date: 08-29-2019

Goods Inward

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

Stock Return

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

The screenshot displays the 'Inquire Stock Availability' screen. The 'Search Criteria' section includes 'Inquire Stock' (Login OU, All OU, HAECO OU), 'Select Warehouse' (Storage Location, Warehouse #), 'Zone #', 'Bin #', 'Trading Partner Info' (Trading Partner Type, Trading Partner #), and 'Part Info' (Part #, Serial #, Lot #, Others, Stock Status, Condition). The 'Display Option' section has checkboxes for 'Zone # / Bin # Info', 'Serial # / Lot #', 'Zero Qty Parts', 'Include Qty In Kit', 'Alternate Parts', 'Restriction Info', and 'MOD Info'. The 'Search Results' table has columns: #, Organization Unit, Storage Location, Warehouse #, Value, Lot #, Part #, Source Document #, Last Updated Document Type, Last Updated Document #, and Part Planning Group. A yellow callout points to the 'Part Planning Group' column in the search results table.

#	Organization Unit	Storage Location	Warehouse #	Value	Lot #	Part #	Source Document #	Last Updated Document Type	Last Updated Document #	Part Planning Group
1	HAECO OU		306			0006484-803	UR20000015	Material Request	MR20000038	
2	HAECO OU		306			0006484-803	UR20000015	Material Request	MR20000038	
3	HAECO OU		306			0006484-803	UR20000015	Material Request	MR20000038	
4	HAECO OU		306			0006484-803	UR20000015	Material Request	MR20000038	
5	HAECO OU		306			0006484-803	UR20000015	Unplanned Receipt	UR20000015	

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

Inquire Material Count and Location Information

Part # 0000:4373A ☒ Owned ☐ Supplier # ☐ Customer # ☐ Trading Partner #

Material Count Summary

#	Main / Alternate Part #	Total Qty	Part Description	Mfr. Part #	Part Planning Group	Mfr. #	Prime ?
1	0000:4373A	68.00	PRES 0-30PSI 3" GAUGE	0000	FIN1	4373A	No
2	0-30:61349	0.00	PRES 0-30PSI 3" GAUGE	0-30	INVP4	61349	Yes
3	0-30PSI:61349	0.00	PRES 0-30PSI 3" GAUGE	0-30PSI	INVP4	61349	No
4	044578:61349	1.00	PRES 0-30PSI 3" GAUGE	044578	INVP4	61349	No
5	103:4373A	0.00	PRES 0-30PSI 3" GAUGE	103	INVP4	4373A	No
6	138-70-0387:61349	0.00	PRES 0-30PSI 3" GAUGE	138-70-0387	INVP4	61349	No

Part # ALL

Due In / Due Out Summary

Entity	Sub-Entity	Serviceable	Unserviceable
Due-In-Others			
	Spares Due	0.00	0.00
	In Shop Due	0.00	0.00
	Pending return	0.00	0.00
	Under Return	0.00	0.00

Warehouse Qty Summary

PAKISTAN

INDIA

01-25-2020 09:22:09 (Server: 14.645 /Client: 0.178) No error(s) 59 Minute(s) 2:37 PM

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

Help On Part

Search Criteria

Part/Service #

Base Part #

Part/Service Description

Part Type

Part Control Type

Aircraft Model #

Mfr. Part #

Strip Part #

Key Word

Category

Planning Type

Adv. Search ID

Mfr. #

NSN

ATA #

Part Classification

Issue Basis

Part Planning Group

Search Results

#	Part/Service #	Key Word	Type	Part Category	Base Part #	ATA #	Part Classification	Part Planning Group	Stock UOM	Issue B
1	0000:4373A	GAUGE	Component	TOOLS	0000:4373A	138-70	Rotable	FIN1	EA	Core Re

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

Procurement Management > Logistics Common Master > Purchase Option Settings

★ Purchase Option Settings RAMCO OU-ramco role

Allow Movement to Different Warehouse: Allowed

Apportion Doc TCDs to Line Items on: Basic Value

Def.Component # for Inspection:

Component Maintenance Program Check: Non-Mandatory

Matching Type Policy: 4-Way

Mandatory Check for Source WC# in PR /PO/ RO: Not Required

Calculation of Shelf Life Expiry Date: Manual

User Rights for Repair Agency Classification: Do not Enforce

Additional Purchase Options

Category:

Newly added set options

#	Category	Parameter	Permitted Value	Value	Status
103	Warranty	Automatic generation of Warranty Reference # for Component parts on confirmation of Receiving Inspection	Enter '0' for 'Not Required' , '1' for 'Required'	1	Defined
104	Warranty	Cancellation of a Confirmed Part Warranty Agreement	Enter '0' for 'Not Allowed' , '1' for 'Allowed'	1	Defined
105	Warranty	Claim Processing Group Control	Enter '0' for 'Not Required' , '1' for 'Required'	0	Defined
106	Warranty	Default "Purpose" for Auto PO generated during Claim	Enter '0' for 'Not Applicable' , Enter a valid 'Purpose'	Broken	Defined
107	Warranty	Status of the Warranty Reference # that is automatically generated on confirmation of Receiving Inspection	Enter '0' for 'Fresh' , '1' for 'Confirmed'	1	Defined

Set Options

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

Select Issue Document

Issue # [Create General Return](#)

Search Criteria

Issue #

Issue Warehouse #

Part #

Trading Partner #

Issued Mfr.Serial/Serial #

Issue Type

Return Basis

Part Type

Ref. Order #

Issued Mfr.Lot/Lot #

[Search](#)

Search Results

#	Issue #	Issue Type	Issue Warehouse #	Issue Date	Trading Partner #	Trading Partner Type
1	GI-010235-2017	General Issue	0123	2017-12-28	101	CUSTOMER
2	GI-010253-2017	General Issue	0123	2017-12-28	400007	CUSTOMER
3	GI-010299-2018	General Issue	0123	2018-01-19	400007	CUSTOMER
4	GI-010301-2018	General Issue	0123	2018-01-25	400007	CUSTOMER
5	GI-010302-2018	General Issue	0123	2018-01-25	400007	CUSTOMER
6	GI-010319-2018	General Issue	0123	2018-09-05	400007	CUSTOMER
7	GI-010320-2018	General Issue	0123	2018-09-05	400007	CUSTOMER
8	GI-010342-2018	General Issue	0123	2018-09-09	400007	CUSTOMER
9	GI-010344-2018	General Issue	0123	2018-09-09	400007	CUSTOMER

WHAT'S NEW IN STORAGE ADMINISTRATION?

Ability to Identify AOC for a Warehouse

Reference: APRP-65

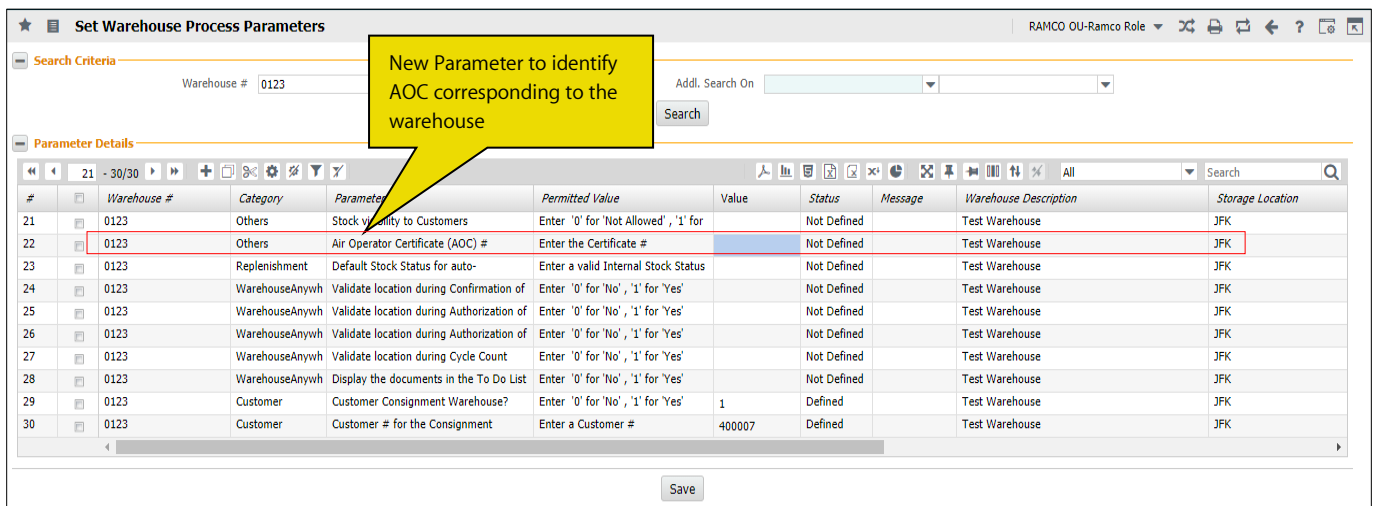
Background

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



The screenshot shows the 'Set Warehouse Process Parameters' screen. At the top, there's a 'Search Criteria' section with 'Warehouse #' set to '0123'. Below it is the 'Parameter Details' section, which contains a table of parameters. A yellow callout bubble points to the row where 'Air Operator Certificate (AOC) #' is added under the 'Others' category for Warehouse # 0123. The table has columns for #, Warehouse #, Category, Parameter, Permitted Value, Value, Status, Message, Warehouse Description, and Storage Location.

#	Warehouse #	Category	Parameter	Permitted Value	Value	Status	Message	Warehouse Description	Storage Location
21	0123	Others	Stock visibility to Customers	Enter '0' for 'Not Allowed', '1' for 'Allowed'		Not Defined		Test Warehouse	JFK
22	0123	Others	Air Operator Certificate (AOC) #	Enter the Certificate #		Not Defined		Test Warehouse	JFK
23	0123	Replenishment	Default Stock Status for auto-	Enter a valid Internal Stock Status		Not Defined		Test Warehouse	JFK
24	0123	WarehouseAnywh	Validate location during Confirmation of	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Test Warehouse	JFK
25	0123	WarehouseAnywh	Validate location during Authorization of	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Test Warehouse	JFK
26	0123	WarehouseAnywh	Validate location during Authorization of	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Test Warehouse	JFK
27	0123	WarehouseAnywh	Validate location during Cycle Count	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Test Warehouse	JFK
28	0123	WarehouseAnywh	Display the documents in the To Do List	Enter '0' for 'No', '1' for 'Yes'		Not Defined		Test Warehouse	JFK
29	0123	Customer	Customer Consignment Warehouse?	Enter '0' for 'No', '1' for 'Yes'	1	Defined		Test Warehouse	JFK
30	0123	Customer	Customer # for the Consignment	Enter a Customer #	400007	Defined		Test Warehouse	JFK

At the bottom of the screen, there is a 'Save' button.

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

[Home](#) > [Stock Management](#) > [Physical Inventory & Cycle Count](#) > [Create Cycle Count Sheet On Plan Basis](#)

Create Cycle Count Sheet On Plan Basis

RAMCO OU-Ramco Role

Sheet Details
 CC Sheet # _____
 Sheet Description _____
 CC Plan # CCP-000034-2012
 Warehouse Description CYCLE COUNTING
 Numbering Type CS
 OverDue Date _____
 Plan Description fuel counting
 WH - Zone # _____
 Status _____
 User Status _____
 Warehouse# YU-90-1-1
 Zone Description _____

Execution Details
 System Quantity Display Show System Quantity
 Count Date 2020-02-05
 Recount Mandatory Required
 Zero Qty Parts Include

Other Details
 Class _____
 Part Category _____
 # of Parts for CC Sheet _____
 Part Group _____
 # of Parts Pending 3
☐ Exclude Counted Parts

Search Criteria
[Get Details](#)

Part Details

#	Line #	Part #	Part Description	Class	Count Interval (Day)	Last Counted On	Next Due On	System Quantity	Stock UOM	Zone # - Bin #
1		23490LKNM	FUJIOEQ	A	0	2014-06-13	2014-06-13	3.00	EA	CY - YU
2		PK09-IOP1-21	FUEL PUMP	A	0	2014-06-13	2014-06-13	3.00	EA	CY - YU
3		PK-21-OIP-01	BOOSTER PUMP	A	0	2014-06-04	2014-06-04	3.00	EA	CY - YU

[Previous](#) [Next](#)

[Create Count Sheet](#) [Create & Confirm Count Sheet](#)

[Edit Cycle Count Sheet](#)
[View Warehouse Information](#) [View Zone Information](#) [Generate Cycle Counting Sheet Report](#)
[Upload Documents](#) [View Associated Doc. Attachments](#)

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

The screenshot shows the 'Manage Supplier Group' interface. In the 'Supplier Group Details' section, the 'Group Type' dropdown menu is highlighted with a red rectangle. A yellow callout bubble with the text 'New Group Type added' points to this dropdown. The dropdown currently shows 'TDS/WHT'. Other fields visible include 'Supplier Group Code' (112), 'Group Description', 'Status' (Active), and 'Remarks'. Below this section is a table with columns: #, Supplier #, Supplier Name, Remarks, and Supplier Status. The table currently shows 'No records to display'. At the bottom, there is a 'Save' button and a 'View Supplier Details' link.

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 value 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

Procurement Management > Taxes Charges and Discounts > Manage Purchase Tax Rules

★ **Manage Purchase Tax Rules**

Search Criteria: Search On **Tax Type** GO

Tax Rules

#	Supplier Group Type	Warehouse Group	Account Usage	Expense Category	Tax Region from	Tax Region to	Applied on?	Tax Code	Tax Code Desc.	Variant Code	Variant Code Desc.	Tax Type
1	TDS/WHT				Andaman and...	Tamil Nadu	Document	TDS	Tax Deducted at	194I-P&M-NC	NC-Rent of Plant and	TDS
2	TDS/WHT				Tamil Nadu	Andaman and ...	Document	TDS	Tax Deducted at	194I-P&M-NC	NC-Rent of Plant and	TDS
3	TDS/WHT				Andaman and...	Tamil Nadu	Document	TDS	Tax Deducted at	194J	C-Fees for Techni...	TDS
4												

Save

View Tax Code View Tax Attribute

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

The screenshot shows the 'Set Inventory Process Parameters' screen in the Ramco Aviation Solution. The 'Category' is set to 'Stock Transfer'. The table below lists the parameters:

#	Category	Parameter	Permitted Value	Value	Status	Error
1	Stock Transfer	Allow Modification of Taxable Amount?	Enter '0' for 'Not Required', '1' for 'Required'	1	Defined	
2	Stock Transfer	Consider Standard Cost of the Part as the Taxable amount for Parts of Expense Type "Capital"	Enter '0' for 'Not Required', '1' for 'Required', '0' for 'Not'	1	Defined	
3	Stock Transfer	Default Issue Option for Stock Transfer	Enter '0' for 'Document Level', '1' for 'Line Level'	0	Defined	
4	Stock Transfer	Default Transfer Type for Serial Controlled Parts	Enter '0' for 'General', '1' for 'Specific'	1	Defined	
5	Stock Transfer	Stock availability check for Stock Transfer in Draft/Fresh Status	Enter '0' for 'Not Required', '1' for 'Required'	1	Defined	
6	Stock Transfer	Tax Inheritance	Enter '0' for 'Not Required', '1' for 'Required'	1	Defined	
7						

A yellow callout bubble points to the new parameter in row 2, stating "New Parameter added".

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.

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:

The screenshot displays the 'Maintain Entity Level Identification Ref.' screen. At the top, there's a breadcrumb trail: Finance Setup > Organization Setup > Maintain Entity Level Identification Ref. Below this, the 'Entity Type' is set to 'SELF COMPANY'. The 'Search Criteria' section includes 'Company Code' (ALL), 'Identifier' (Tax Identification reference), and 'Status' (Active). A 'Search' button is present. The main area is titled 'Identification Details' and contains a table with 11 columns. A yellow callout box points to the 'Identification Ref.' column, stating 'New Identification Ref. value added'. Another yellow callout box points to the 'Password' column, stating 'New field added'. The table contains 10 rows of data, including entries for GSTIN, GSP USERNAME/PWD, and various Identification #s.

#	Identifier	Identification Ref.	Company Code	Finance Book	Tax Region	Addl. Ref.	Identification #	Password	Registration Date	Status	Primary
1	Tax Identification reference	GSTIN	ABC		Sh...	Airline	GSTIN00000AP001			Active	Yes
2	Tax Identification reference	GSTIN	ABC		Ni...	Airline	GSTIN00000AN001			Active	Yes
3	Tax Identification reference	GSTIN	ABC		desh	Airline	GSTIN00000ARNP01			Active	No
4	Tax Identification reference	GSTIN	ABC			Airline	GSTIN00000ASS001			Active	No
5	Tax Identification reference	GSP USERNAME/PWD	ABC		Arunachal Pradesh	Airline	RamcoSys	*****		Active	No
6	Tax Identification reference	GSP USERNAME/PWD	ABC		PFB1	Airline	BAVN	*****		Active	No
7	Tax Identification reference	GSP USERNAME/PWD	ABC		PFB1	Assam	Adyar	*****		Active	No
8	Tax Identification reference	GSTIN	ABC		PFB1	Tamil Nadu	GSTINXXXXMNUB01			Active	No
9	Tax Identification reference	GSP USERNAME/PWD	ABC		PFB1	Odisha	123456789123456	*****		Active	No
10	Tax Identification reference	GSTIN	ABC		PFB1	Odisha	ABCDEFGHIJKLMNN			Active	No

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:

- Generate
- Update Validity
- Accept
- Cancel
- Reject
- 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:

- Pending Initiation
- Pending Confirmation
- Generated E-Way Bills
- Rejected E-Way Bills
- Error Documents
- 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.
 - If the document type is 'Shipping Note', then the value 'Confirmed'.
 - 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.
 - Red color if status is error or if the EWB Validity is over, but still the line is in Generated status.
 - Yellow color if status is Pending Validation/Pending Confirmation.

- Orange color if status is Generated.
- Green color if the status is Accepted.
- 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:

The screenshot shows the 'Manage Indian GST E-Way Bill' interface. At the top, there's a navigation bar with 'Stock Management > Stock Maintenance > Manage Indian GST E-Way Bill'. Below this, a 'Generate' button is visible. A yellow callout points to a row of status tiles: 'Pending Initiation', 'Pending Confirmation', 'Generated E-Way Bills', 'Rejected E-Way Bill', and 'Error Documents', each with a count of 0. Another yellow callout points to the 'Generated E-Way Bills' tile, stating 'Tiles with count of EWB Identification #s in the respective statuses'. Below the tiles is a table titled 'E-Way Bill Information' with columns: #, Document #, Doc. Date, Ref. Doc. Value, CGST Value, SGST Value, IGST Value, Cess, Transport Mode, and Vehicle Type. A yellow callout points to the table, stating 'The Shipping Note/E-Way Bill Details are retrieved in the multiline'. At the bottom, there are 'Save' and 'Confirm' buttons. A yellow callout points to the 'Save' button, stating 'Click the Save pushbutton to record the entered details'. At the very bottom, there are links for 'Print E-Way Bill', 'Upload Documents', 'Generate Shipping Note Report', 'View Associated Doc. Attachments', and 'Print Tax Invoice'.

*Limitation:*

- *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.*
- *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

The screenshot displays the 'Set Warehouse Process Parameters' screen. The 'Warehouse #' is set to 0123. The 'Parameter Category' is 'WarehouseAnywhere Application'. The table lists several parameters, with the following new parameter highlighted:

#	Warehouse #	Category	Parameter	Permitted Value	Value	Status	Message	Warehouse Description
21	0123	WarehouseAnyw	Automatic confirmation of Exchange Issue on completion of picking of parts	Enter '0' for 'Not Required' , '1' for		Not Defined		Memphis Downtown Warehouse
22	0123	WarehouseAnyw	Automatic confirmation of General Issue on completion of picking of parts	Enter '0' for 'Not Required' , '1' for	1	Defined		Memphis Downtown Warehouse
23	0123	WarehouseAnyw	Automatic confirmation of PBH Exchange Issue on completion of picking of parts	Enter '0' for 'Not Required' , '1' for		Not Defined		Memphis Downtown Warehouse
24	0123	WarehouseAnyw	Automatic confirmation of Subcontract Issue on completion of picking of parts	Enter '0' for 'Not Required' , '1' for		Not Defined		Memphis Downtown Warehouse
25	0123	WarehouseAnyw	Retrieval of Open Issue documents on launch of Issue List screen	Enter '0' for 'Not Required' , '1' for	1	Defined		Memphis Downtown Warehouse
26	0123	WarehouseAnyw	Retrieval of Issue documents in Picking process by the Login User on launch of Issue	Enter '0' for 'Not Required' , '1' for	0	Defined		Memphis Downtown Warehouse
27	0123	WarehouseAnyw	Alert required during Putaway of Parts in a different Zone-Bin?	Enter '0' for 'Not Applicable' , '1'	1	Defined		Memphis Downtown Warehouse
28	0123	WarehouseAnyw	Display the document in the To Do List screen with count 0?	Enter '0' for 'No' , '1' for 'Yes'	1	Defined		Memphis Downtown Warehouse
29								

A yellow callout box points to the new parameter (row 27): "New parameter added under Category 'WarehouseAnywhere'"

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

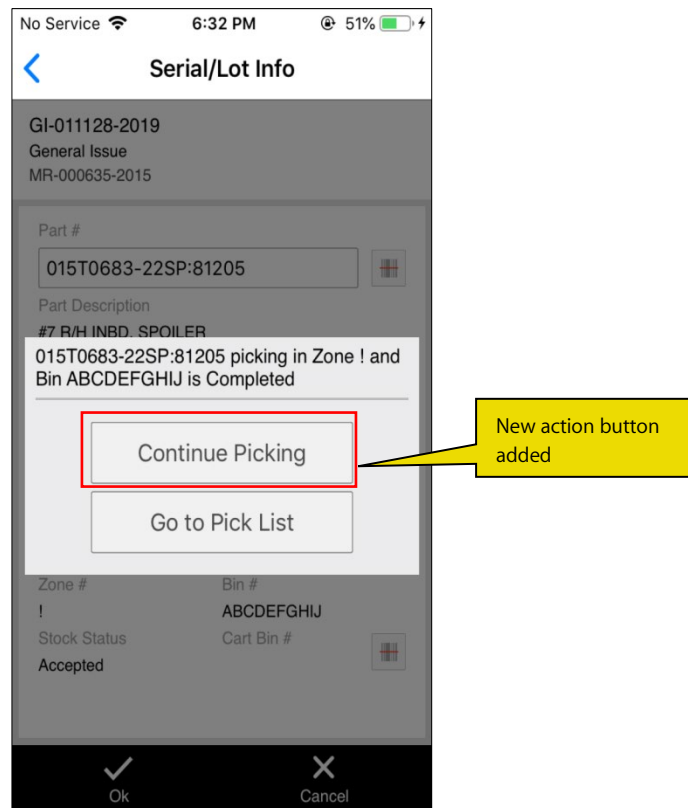
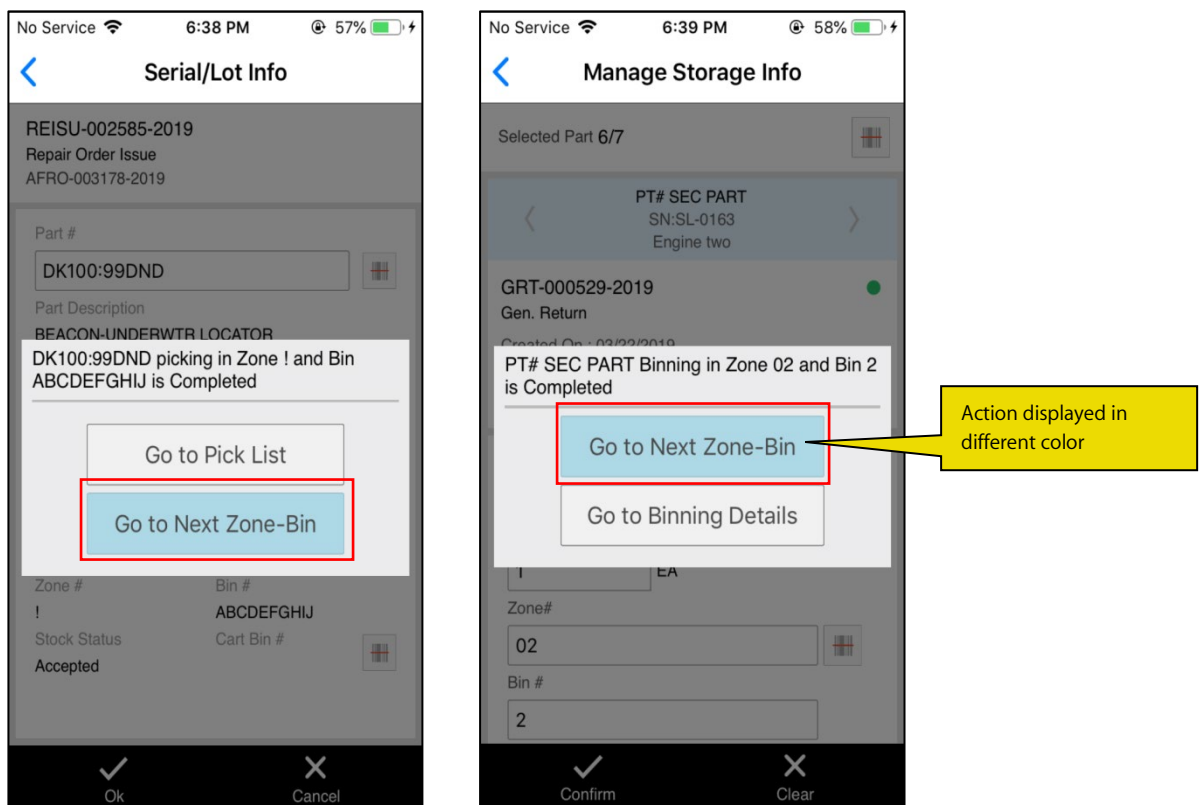


Exhibit 3: Identifies the 'Go to Next Zone-Bin' action in **Serial/Lot Info** and **Manage Storage Info** screens



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 be 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

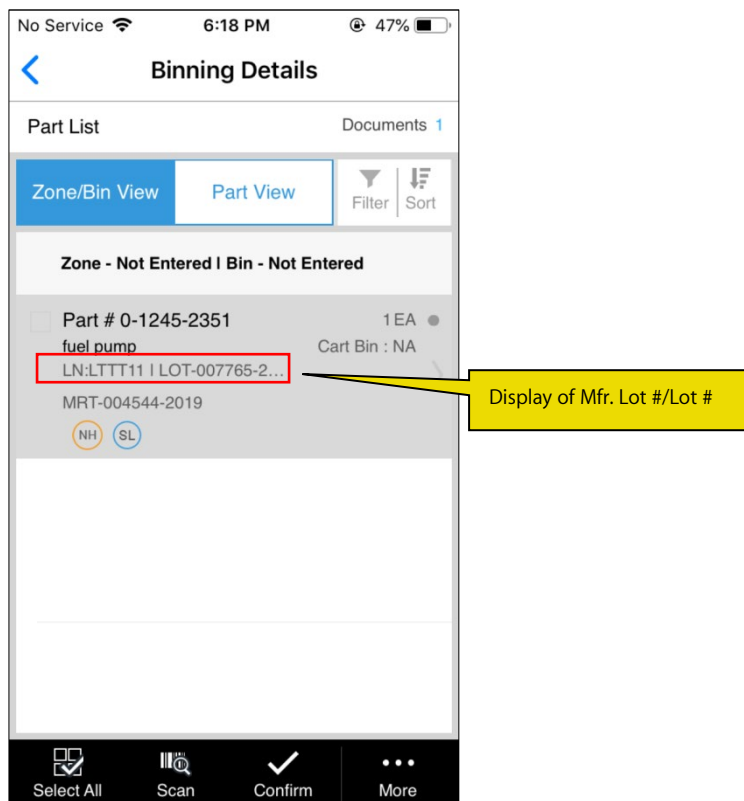
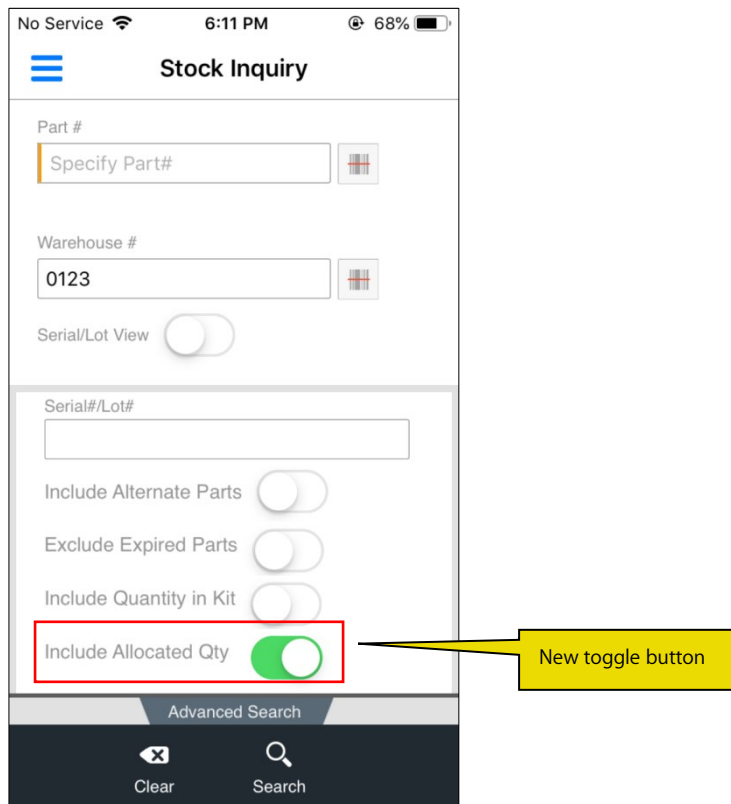
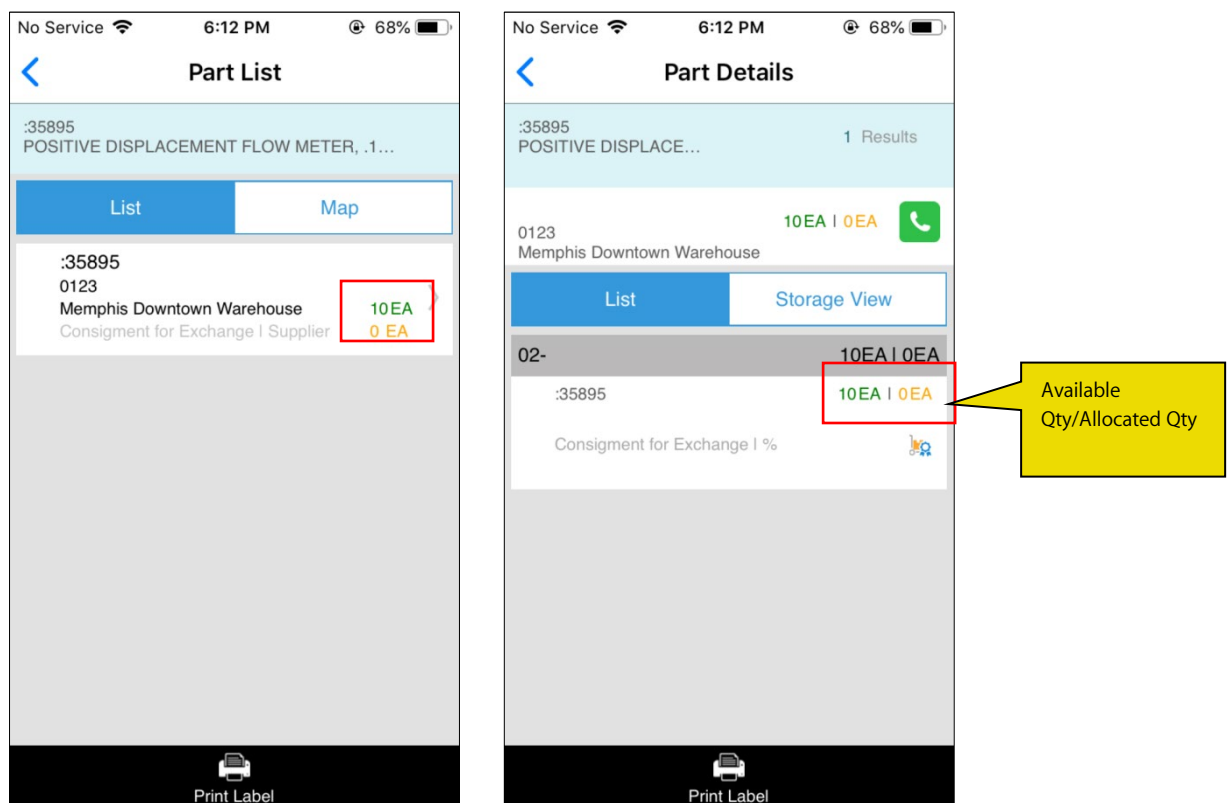


Exhibit 2: Identifies the new toggle button in **Stock Inquiry** screen**Exhibit 3:** Identifies the display of Available Qty/Allocated Qty in **Part List** and **Part Details** screen

Ability to view issue details from picklist

Reference: APRP-6

Background

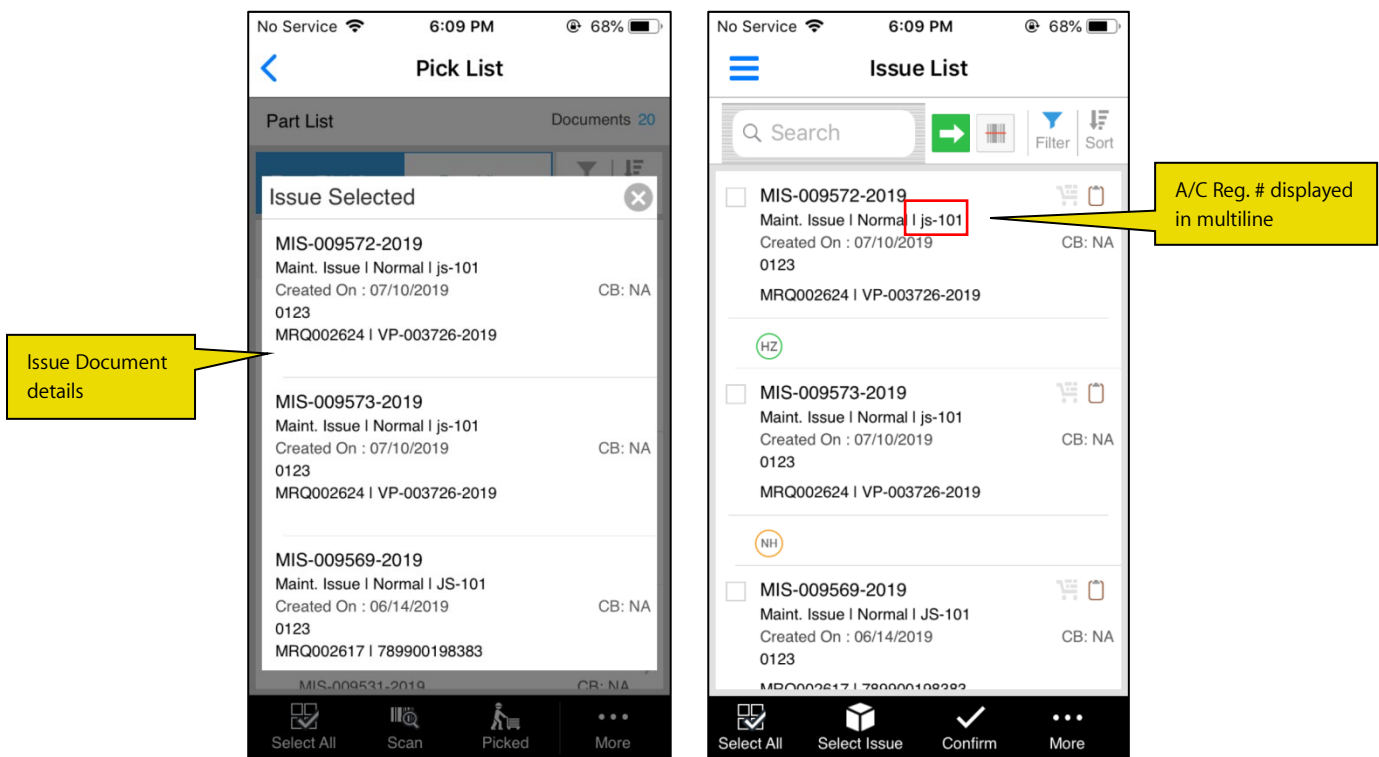
The **Issue List** screen and the picklist screen in the **WarehouseAnywhere** App are enhanced to display additional details as part of usability improvement.

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



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

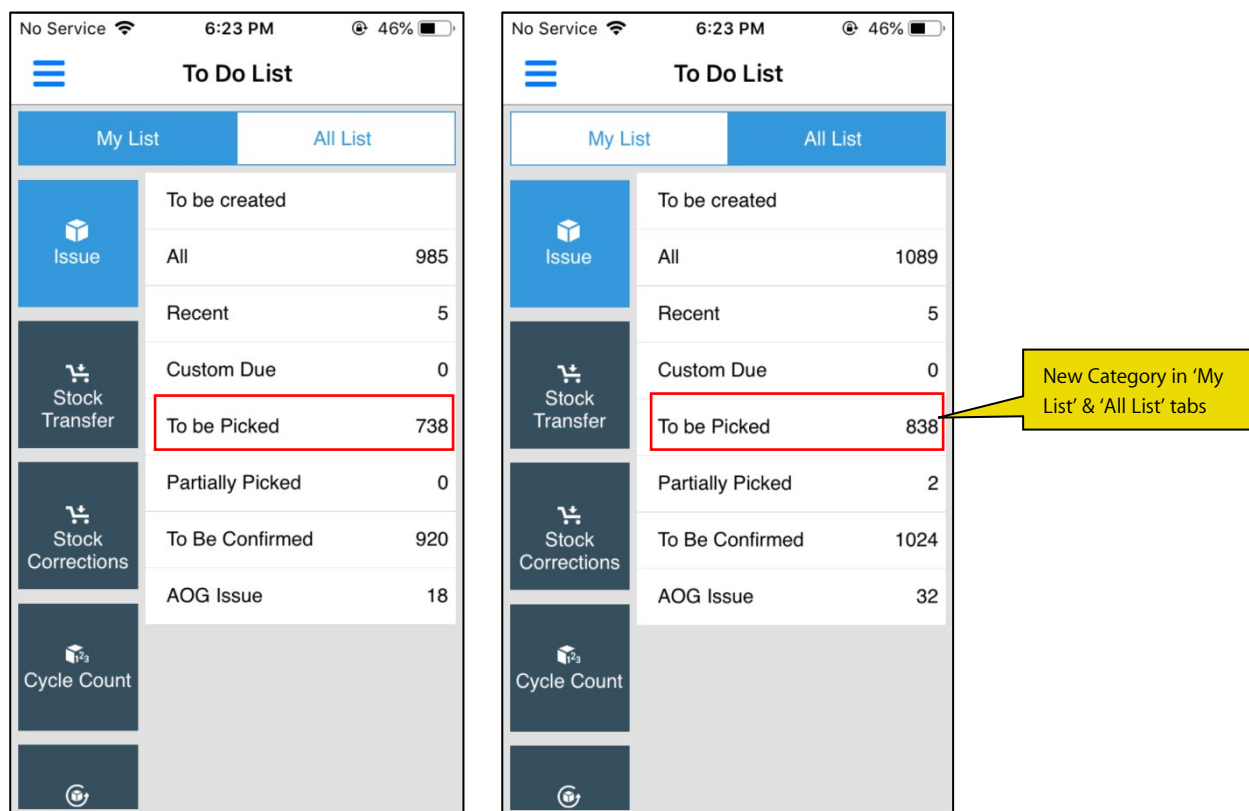


Exhibit 2: Identifies the changes in Issue List Filter

The image displays two side-by-side screenshots of the 'Filter' screen in the Ramco Aviation Solution app, illustrating enhancements to the 'Filter by' and 'Doc Info' tabs.

Left Screenshot (Filter by tab): The 'Filter by' tab is selected. The 'Ref. Doc Info' section is highlighted with a red box, and a yellow callout points to it with the text: "New filter criteria in 'Filter by' tab". The 'Ref. Doc Info' section includes the following options:

- ☒ All
- ☐ Recent
- ☐ Custom Due
- ☒ To be Picked
- ☐ Partially Picked
- ☐ To Be Confirmed
- ☐ AOG Issue

Right Screenshot (Doc Info tab): The 'Doc Info' tab is selected. The 'Due date:From' and 'Due date:To' fields are highlighted with a red box, and a yellow callout points to them with the text: "New filter Criteria in 'Doc Info.' tab". The 'Doc Info' section includes the following fields:

- Warehouse (dropdown)
- Issue # (text input)
- Part Info (text input)
- Issue Doc date:From (calendar icon)
- Issue Doc date:To (calendar icon)
- Due date:From (calendar icon)
- Due date:To (calendar icon)
- Issue Document Type (dropdown)
- Status (dropdown)

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 screenshot displays the 'Create Receipt' screen. At the top, there's a status bar with 'No Service', '5:46 PM', and '100%' battery. Below the title bar, there are dropdown menus for '0123' and 'RT'. The form includes fields for 'Pack slip #', 'Packslip Date', 'Way Bill #', 'Way Bill Date', 'No. Of Packs', and 'Consignment Weight'. There's a 'Remarks' text area. Below these are two toggle switches for 'Auto Inspection' and 'Auto Movement', both currently turned on. A section titled 'Additional Info' is expanded, revealing the 'Attachments' section. This section is highlighted with a red border and a yellow callout bubble that says 'New section added'. The 'Attachments' section contains a green plus icon and a grey checkmark icon. At the bottom, there are 'Ok' and 'Clear' buttons.

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

The screenshot displays the 'Create Receipt' screen. At the top, the status bar shows 'No Service', '5:49 PM', and '100%' battery. The screen has a blue header with a back arrow and the title 'Create Receipt'. Below the header are two dropdown menus. The main form contains several input fields: 'Pack slip #' and 'Packslip Date' (with a calendar icon), 'Way Bill #' and 'Way Bill Date' (with a calendar icon), 'No. Of Packs', and 'Consignment Weight'. Below these are two toggle switches for 'Auto Inspection' and 'Auto Movement', both of which are turned on. A section titled 'Additional Info' is expanded, showing a list of attachments. A yellow callout box points to the 'Camera and Gallery icons' in the attachments section, which are highlighted with a red box. The bottom of the screen features a dark navigation bar with 'Ok' and 'Clear' buttons.

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 screenshot shows the 'Create Receipt' screen with the following elements:

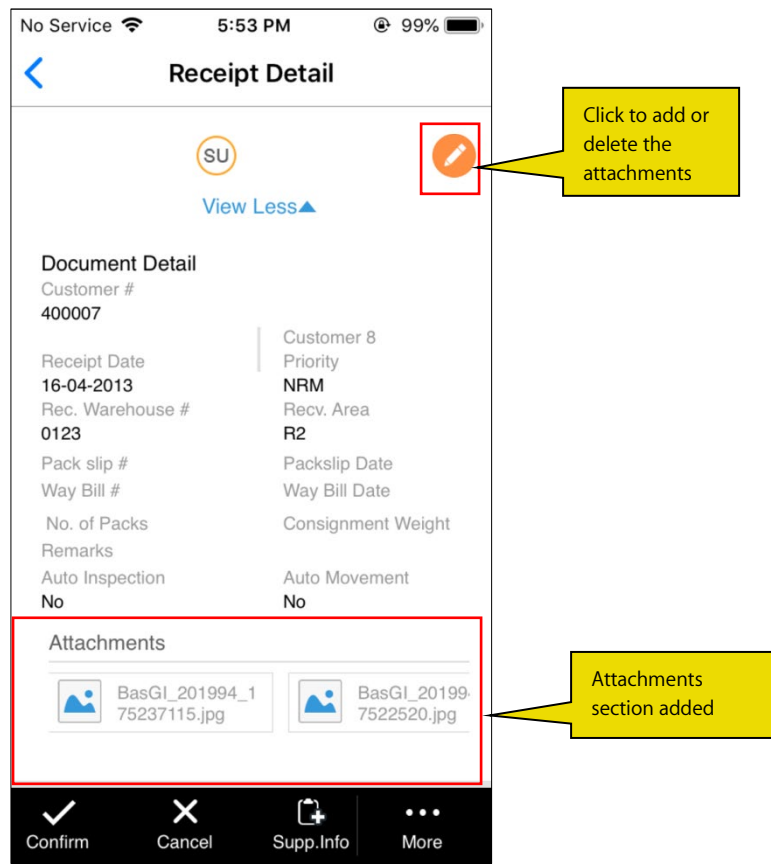
- Header: No Service, 5:50 PM, 100% battery.
- Back arrow and title: Create Receipt.
- Origin and Destination dropdowns.
- Pack slip # and Packslip Date fields.
- Way Bill # and Way Bill Date fields.
- No. Of Packs and Consignment Weight fields.
- Remarks text area.
- Auto Inspection and Auto Movement toggle switches.
- Additional Info expandable section.
- Attachments section with a red box highlighting the '+', 'Delete', and 'Close' icons.
- Callout box: Attachments can be added and deleted.
- Bottom bar: Ok and Clear buttons.

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

The screenshot shows the 'Edit Receipt' screen with the following fields and controls:

- Header: No Service, 5:54 PM, 99% battery.
- Back arrow and 'Edit Receipt' title.
- Receipt ID: GI-008458-2013 | A...
- Link: Pending Serial / Lot...
- Form fields: vway Bill #, vway Bill Date, No. Of Packs, Consignment Weight, Remarks.
- Toggle switches: Auto Inspection, Auto Movement.
- Section: Additional Info (expanded).
- Attachments section (highlighted with a red box):
 - Icons for adding (+), deleting (trash), and confirming (checkmark) attachments.
 - Two image thumbnails with filenames: BasGI_201994_175237115.jpg and BasGI_201994_17522520.jpg.
- Bottom bar: Ok (checkmark), Clear (X).

A yellow callout box points to the Attachments section with the text: "Attachments section added".

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

This screenshot is identical to Exhibit 5, but the 'Attachments' section (highlighted with a red box) includes additional management icons:

- Icons for adding (+), deleting (trash), and confirming (checkmark) attachments.
- Two image thumbnails with checkboxes to the left of each, and filenames: BasGI_201994_175237115.jpg and BasGI_201994_17522520.jpg.

A yellow callout box points to the Attachments section with the text: "Attachments section added".



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

Corporate Office and R&D Center

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