

# **RAMCO AVIATION SOLUTION**

## **ENHANCEMENT NOTIFICATION**

**Version 5.9.1**

**MX-Execution**

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## WHAT'S NEW IN AIRCRAFT?

### Calculate and view Weight & Balance of Aircraft in Desktop

Reference: APRP-1094

#### Background

When the weight of the aircraft is at or below the allowable limit and its center of gravity is within the allowable range, then the aircraft is said to be within weight and balance. But at each component replacement, the Weight and Balance may change and weighing the aircraft after each Component Replacement is not practical. This feature brings the ability to record the weight and balance details of an aircraft as a master and whenever the user is doing a component replacement, then change of the weight and balance details such as Aircraft Empty Weight, Aircraft Empty Center of Gravity, Useful Load, and Moment of Aircraft for those Component Replacements will be calculated and shown. User can also capture the Forward and Aft Limit for the Center of Gravity for the weighing configuration and compare those values with Current Empty Weight Center of Gravity.

#### Change Details

- Added following two new activities under the Aircraft business component;
  - Manage Weighing Conditions
  - Manage Aircraft Weight and Balance
- Added controls in the **Build Aircraft Configuration** screen and **Build Model Configuration** screen.
- Added process parameters in **Common Master** to define UOM, to mandate Aircraft W&B Record, to mandate the Sign off details etc.

#### Common Master

- Added the following process parameters in the new Entity Type 'Weight and Balance' and Entity 'Aircraft W&B' in **Set Process Parameters** screen of **Common Master** business component.

S. No	Parameter Description	Permitted Values
1	Require confirmation of Aircraft W&B Record before activation of new aircraft?	Enter "0" for "No", "1" for "Yes"
2	Default UOM for Aircraft & Component Weight?	UOM Code defined in 'Unit of Measurement Administration' Business
3	UOM for Arm?	Any value
4	Default Option on launch of Manage Aircraft Weight and Balance?	Enter "0" for "View Latest A/C W&B ", "1" for "Perform Aircraft Reweighing", "2" for "Print W&B Report"
5	Default 'Auto Close Previous Record' check box on loading of Manage Aircraft Weight and Balance?	Enter "0" for 'No' and "1" for 'Yes'.
6	Allow Reweigh the Aircraft Weight and Balance Record with previous record data?	Enter "0" for 'No' and "1" for 'Yes'.
7	Mandate 'License #' on confirming the Aircraft W&B Record?	Enter "0" for 'No' and "1" for 'Yes'.

8	Mandate 'Sign Off Comments' on confirming the Aircraft W&B Record?	Enter "0" for 'No' and "1" for 'Yes'.
9	Mandate 'Landing Weight' on confirming the Aircraft W&B Record?	Enter "0" for 'No' and "1" for 'Yes'.
10	Default 'Include Zero Weight Parts' check box on loading of Manage Aircraft Weight and Balance?	Enter "0" for 'No' and "1" for 'Yes'.
11	Default 'Include Previous CR Details' check box on loading of Manage Aircraft Weight and Balance?	Enter "0" for 'No' and "1" for 'Yes'.
12	Load 'Exec. Doc. #' / CR # along with Direct for Source Doc. Type on launch of Manage Aircraft Weight and Balance	Enter "0" for 'Both' "1" for 'Exec. Doc. # alone', "2" for 'CR # alone'

**Build Aircraft Configuration**

In the **Build Aircraft Configuration** screen, the following controls are added to define the values in Aircraft level

1. Datum Point
2. Arm
3. Weight Mandatory

User can mandate the position code for the weight and balance calculation by setting the value 'Yes' for Weight Mandatory column for the respective Position Code.

**Exhibit 1:** Identifies the changes in **Build Aircraft Configuration** screen

The screenshot shows the 'Build Aircraft Configuration' interface. At the top, there are fields for 'Aircraft Reg. # W&B', 'Configuration Class CA', 'Aircraft Model # A310', and 'Datum Point Nose of the Aircraft'. A callout points to the 'Datum Point' dropdown. Below this is a table with columns: #, Sec, Position Code, Arm, Arm UOM, Attachment Status, Position Code Status, Base Part #, Position Type, Component Mandatory, Weight Mandatory, Component #, and Serial #. A callout points to the 'Arm' column, and another callout points to the 'Weight Mandatory' column.

#	Sec	Position Code	Arm	Arm UOM	Attachment Status	Position Code Status	Base Part #	Position Type	Component Mandatory	Weight Mandatory	Component #	Serial #
1	1	AWB 1	1.00	m	Attached	Active	MDVBK200:D3273	Engine	No	Yes	C004465-2020	WBNEW1
2	2	AWB 2	1.00	m	Removed	Active	MD4045C:P0582	Engine	No	No		
3	3	AWB 3	2.00	m	Removed	Active	109-3501-04LH-1	Landing Gear	No	No		
4	4	AWB 4	2.00	m	Attached	Active	109-3501-04RH-1	Landing Gear	No	No		
5	5	AWB 5			Attached	Active	104003-101	APU	No	No		
6						Active		Others	Yes	No		

**Build Model Configuration**

In the **Build Model Configuration** screen, the following controls are added to define the values in Model level

1. Datum Point
2. Arm
3. Weight Mandatory

User can mandate the position code for the weight and balance calculation by setting the value 'Yes' for Weight Mandatory column for the respective Position Code.

**Exhibit 2:** Identifies the changes in **Build Model Configuration** screen

The screenshot shows the 'Build Model Configuration' screen. The 'Configuration Attributes' section includes fields for Configuration Class (301), Config. Status (Fresh), Datum Point (Fixed PT), Revision # (0), and Config. Control Basis (Part Effectivity). The 'Configuration Details' section is a table with the following data:

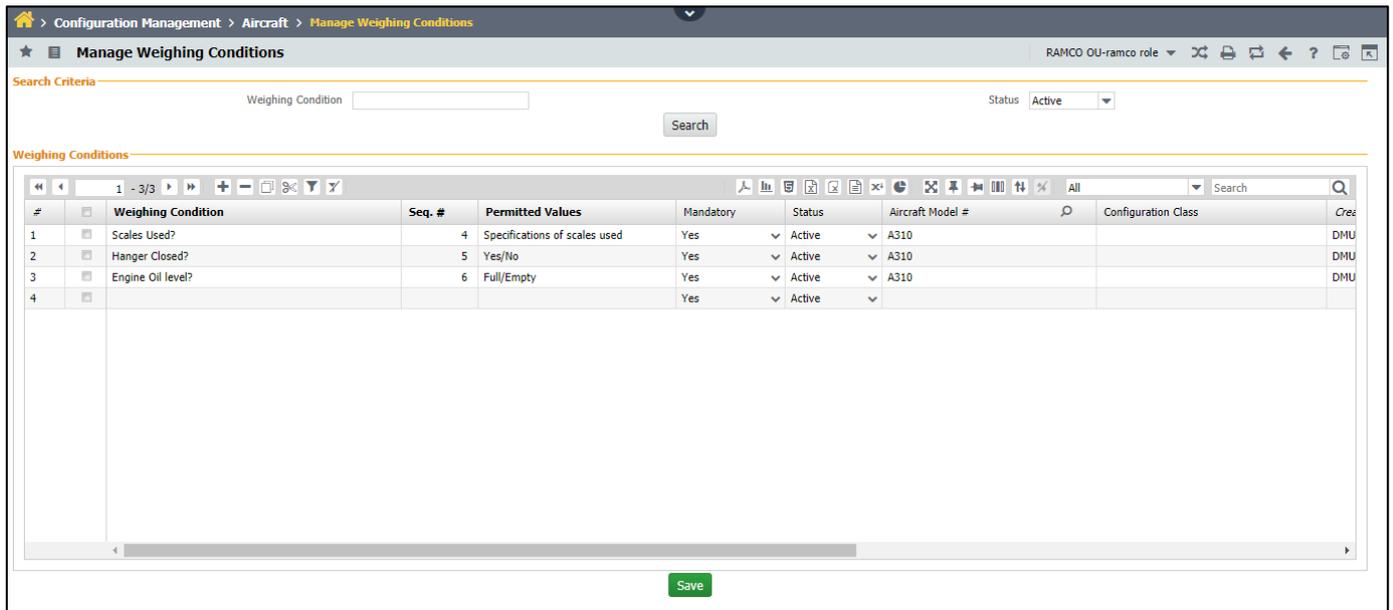
#	Seq #	Position Code	Arm	Arm UOM	Position Code Status	Base Part #	Position Type	Component Mandatory	Weight Mandatory	Deferral Type	Cargo
1	1	1	150	m	Active	000:99999	Others	Yes	Yes	None	No
2					Active		Others	Yes	No		No

Callouts in the image point to the following fields:

- To define Datum Point:** Points to the 'Datum Point' field in the Configuration Attributes section.
- To define Arm:** Points to the 'Arm' field in the Configuration Details table.
- To mandate the position for weight and balance calculation:** Points to the 'Weight Mandatory' column in the Configuration Details table.

**Manage Weighing Conditions**

The **Manage Weighing Conditions** screen is added under the business component **Aircraft**. It is a master screen to define the weighing conditions. User can define all the weighing conditions needed to be checked at the time of weighing in this screen. User can map a particular weighing condition to an Aircraft Model or Configuration class, then those weighing conditions will be considered at the time of weighing of aircraft with the respective Aircraft Model or Configuration Class only. Also user can add/delete/modify the weighing condition and it will show the user name and date and time of Created/Last Modified details.

**Exhibit 3:** Identifies the new screen **Manage Weighing Conditions****Manage Aircraft Weight and Balance**

The **Manage Aircraft Weight and Balance** screen is added under the business component **Aircraft** with three radio buttons **View A/C Latest W&B**, **Perform Aircraft Reweighing**, **Print W&B Report** (for three different contexts).

**Perform Aircraft Reweighing**

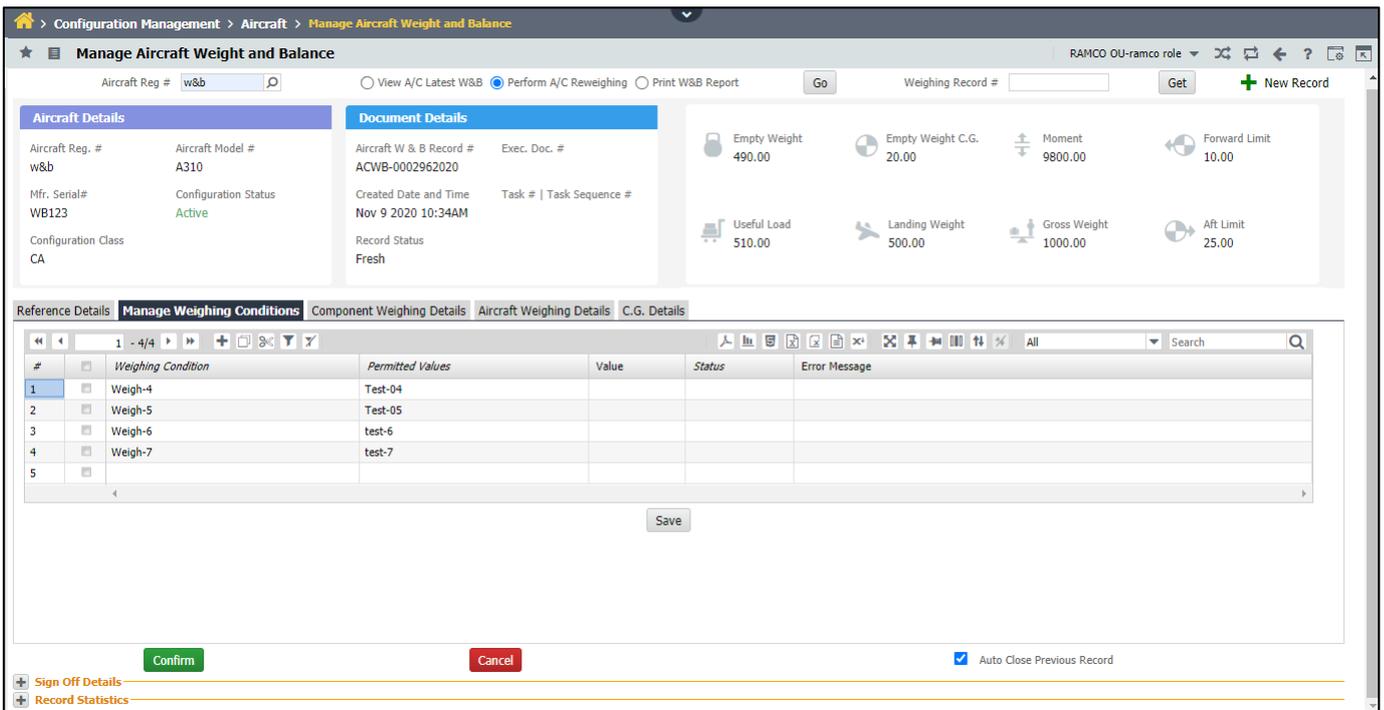
The main purpose of the Perform Aircraft Reweighing mode is to create the Aircraft Weight and Balance Record for the Aircraft Reg #. User can launch this mode with an Aircraft Reg # and create an Aircraft W&B Record # with the Reference Details as long as the Configuration of that Aircraft is in Active status. Once the Aircraft W&B Record # is confirmed, then it will be used for the weight and balance calculations.

In the Perform Aircraft Reweighing mode, the users can also Modify/Cancel/Close the Aircraft W&B Records. Following 5 tabs are available in the **Manage Aircraft Weight and Balance** screen in 'Perform A/C Reweighing' mode.

1. Reference Details
2. Weighing Conditions
3. Component Weighing Details
4. Aircraft Weighing Details
5. C.G Details

On creation, the record will be in **Draft** status, and on entering the values and click of Save in all the tabs, the status will change to **Fresh**. User can confirm the fresh Aircraft W&B Record after providing the details in **Sign off Details** section.

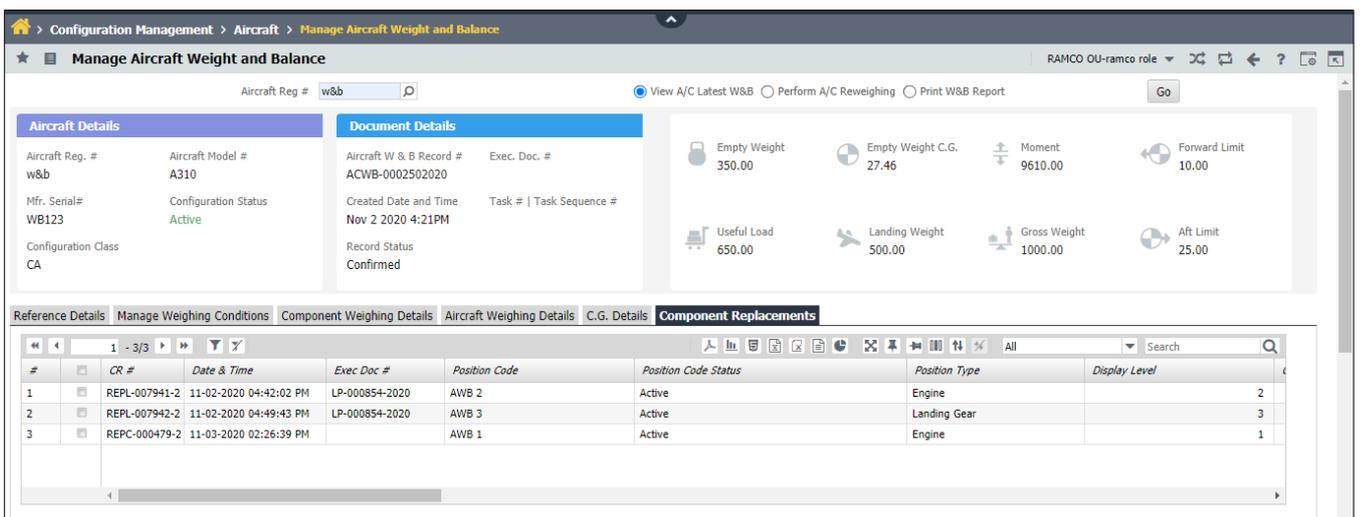
**Exhibit 4:** Identifies the new screen **Manage Aircraft Weight and Balance** with 'Perform A/C Reweighing' mode.



**View A/C Latest W&B**

The main purpose of this mode is to see the current weight and balance details of the aircraft. User can launch the screen with the Aircraft Reg # and directly see the latest confirmed Aircraft W&B Record # details and the latest weight and balance details. In this mode, user can see the latest weight and balance details for the entered Aircraft Reg # as long as the aircraft has a confirmed Aircraft W&B Record. Along with the 5 tabs one more tab 'Component Replacements' will appear for this mode. In that tab, all the Component Replacement done after the creation of the Confirmed Aircraft W&B Record # will be visible. User can see the latest weight and balance details in the card section and can see the weight and balance changes in each Component Replacement level in the multiline of Component Replacements tab.

**Exhibit 5:** Identifies the new screen **Manage Aircraft Weight and Balance** screen with 'View A/C Latest W&B' mode.



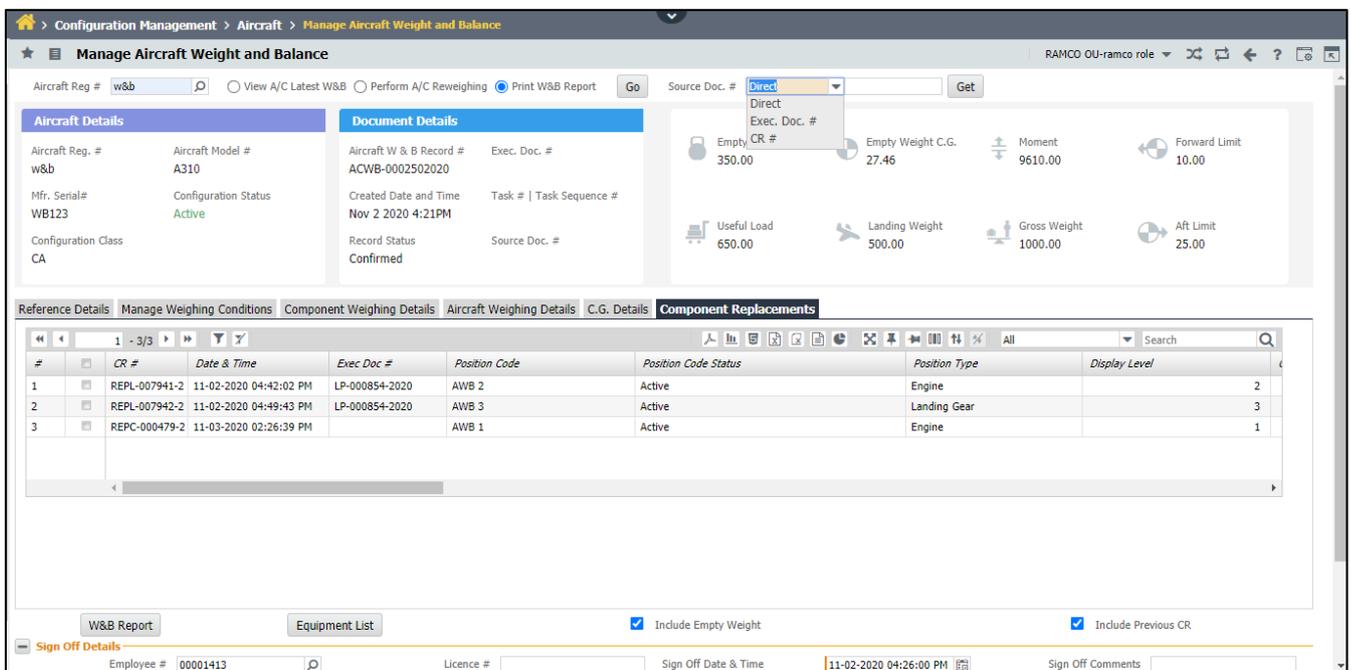
**Print W&B Report**

The main purpose of this mode is to print the weight and balance report for an Aircraft Reg # against the source doc. #. User can launch this mode with the Aircraft Reg # and the Source Doc. #. For this mode, the user can see the weight and balance details against the source document. User can choose following three 'Source Doc Type' to see the Weight and Balance Details.

1. Direct
2. Exec. Doc. #
3. CR #

For Direct, the user can see the weight and balance details of that particular time without any Source Doc #. For Exec. Doc. #, user need to provide the Package # which is in Completed or Closed to fetch the details against that package. For CR #, User needs to provide the Component Replacement # which is in Removed or Replaced status to fetch the details against that Component Replacement.

**Exhibit 5:** Identifies the new screen **Manage Aircraft Weight and Balance** screen with 'Print W&B Report' mode.



*Note: Ability to print the W&B report and Equipment List report will be added in a future software update.*

## Aircraft Weight & Balance: Equipment List Report

Reference: APRP-1470

### Background

Aircraft Weighing is carried out whenever an aircraft undergoes a major configuration change. Hence, it is essential to track all the components/equipment attached to the aircraft during the weighing process. The **Equipment List report** will list down all the components/equipment attached to the aircraft as found at the time of weighing for regulatory purposes.

### Change Details

- A new link **Equipment List** will be added in the **Print W&B Report** context of the **Manage Aircraft Weight and Balance** screen.
- The user can click on the new link to print the details of attached parts for the chosen Aircraft Reg. # as at the time of the last **Aircraft Weighing**.

The **Equipment List Report** will display the following details:

- Source Doc
- Source Doc Date & Time
- Printed By
- Aircraft Details
- Owner Details
- Equipment List (multiline)

The **Equipment List** multiline will display:

- Item
- Part #
- Serial #
- Mod. #
- Gross Weight
- Arm
- Item on board during weighing (If the Part was attached at the time of weighing of aircraft, then the value will show as 'Yes')
- Component Mandatory

The **Equipment List report** itself can be printed for three Source Document types as explained next:

1. **Direct:**

To print the currently attached part details, the user can choose **Source Doc. #** as Direct. For the Direct option, the system will print list of the parts that are attached to the aircraft at the time of generating the report. There will not be any particular source document reference, and the only reference for the document will be the Date and Time.

**2. Exe. Doc. #:**

To print the details of the attached parts against a package #, the user can choose **Source Doc. #** as Exec. Doc. #. The system prints the list of parts that are attached against the last component replacement from the Exec. Doc. #. However, the user can print the **Equipment List report** against packages in the **Completed/Closed** status only.

**3. Component Replacement #:**

To print the details of attached parts against specific component replacement transaction, the user can choose **Source Doc. #** as CR #. The system prints the list of parts that were attached to the aircraft as at the time of the report generation. However, the user can print the **Equipment List report** against component replacements in the **Removed/Attached** status only.

*Note:*

1. *If a user ticks the check box **Include No Weight Parts**, then the **Equipment list report** will show the details of all the attached parts. Conversely, that is if the check box is unchecked, the weighted parts only will be retrieved in the report.*
2. *If weight details are not found for any part attached to a **Weight Mandatory** position, the system will validate for weight on click of the link **Equipment List**. In such a situation, the user can record weight details for the part in the **Part Administration** business component and then proceed to print **Equipment List report**.*

Exhibit 1: Identifies Equipment List Report

		<b>EQUIPMENT LIST</b>			Ramco Airways,64,Sardar Patel Road,, 1, New Tower, Chennai.,Chennai,Tamil Nadu,Australia			
Source Doc Direct		Source Doc Date & Time 12/8/2020 2:07:42 PM			Printed By DMUSER			
<b>AIRCRAFT DETAILS</b>					<b>OWNER DETAILS</b>			
A/C Reg # W&B		A/C Model # A310			Name AVEOS			
Mfr Serial # WB123		Config. Class CA			Address Ramco Airways,64,Sardar Patel Road,, 1, New Tower, Chennai.,Chennai,Tamil Nadu,Australia			
<b>W&amp;B EQUIPMENT LIST</b>								
Item	Part #	Part Description	Serial #	Mod. #	Gross Weight (KG)	Arm (M)	Item on board during Weighing	Component Mandatory
1	00A2098D-A	FUEL PUMP	26C		12.00	20.00	Yes	No

## WHAT'S NEW IN MAINTENACE TASK?

### Ability to consider Part Requirements and Resource Requirements for a Task based on Customer reference

*Reference: APRP-1395*

#### Background

User wants to maintain the Task - Parts and Resource requirements at Customer Level. Because, for the MPD tasks the Part # used by different customers will be different. If the planner forgets to change the part # and the wrong part was used, then they have to redo. So, prevent this situation, user expects to maintain the Part requirements at Customer level. Also, the Man hour for same MPD with different customers can be different, so they expect to maintain Tasks resource requirements at customer level.

#### Change Details

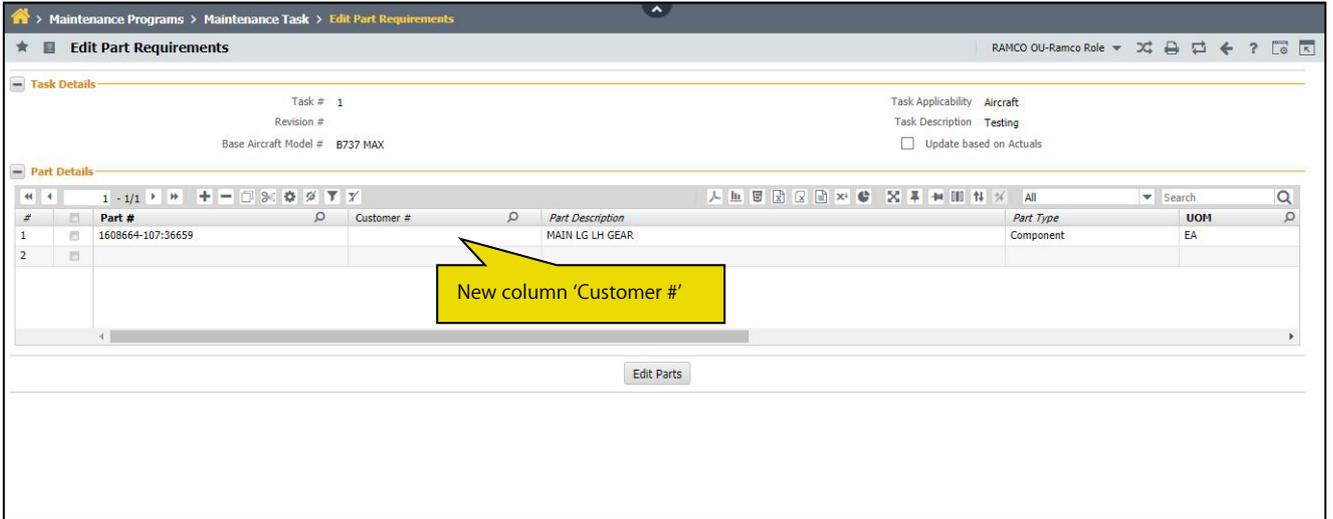
To facilitate the consideration of Part Requirements and Resource Requirements for a Task based on Customer reference, following changes are done:

1. New editable column "Customer #" with help enabled is added in Part Details multiline of **Edit Part Requirements** screen. This is used to capture the Customer # against the Part # applicable to that Task.
2. New editable column "Customer #" with help enabled is added in Resource Details multiline of **Edit Resource / Sign-Off Requirements** screen. This is applicable for all the Resource Type. This is used to capture the Customer # against the Resource # applicable to that Task.
3. A display only column "Customer #" is added in Parts Details multiline of **View Part Requirements** screen. The Customer # saved for corresponding Part # listed Task # will be displayed in this column.
4. A display only column "Customer #" is added in Resource Details multiline of **View Resource / Sign-off Requirements** screen. The Customer # saved for corresponding Resource # listed Task # will be displayed in this column.

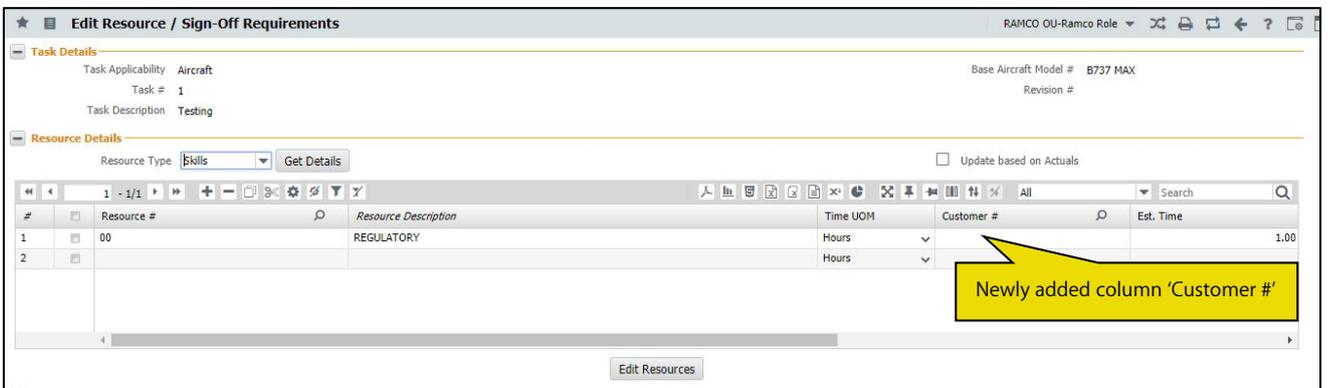
#### Note:

1. *For part requirements, whenever this Task is added into a package for execution for the same customer Aircraft, while executing it will add/raise MR for that Part. If the same task is added into a package for some other Aircrafts, will not add/raise MR for that Part.*
2. *For resource requirements, whenever this Task is added into a package for execution for the same customer Aircraft, entered man hrs. for the Resource is applicable. If it is for different Aircrafts, the entered man hrs. is not applicable for the Resource.*

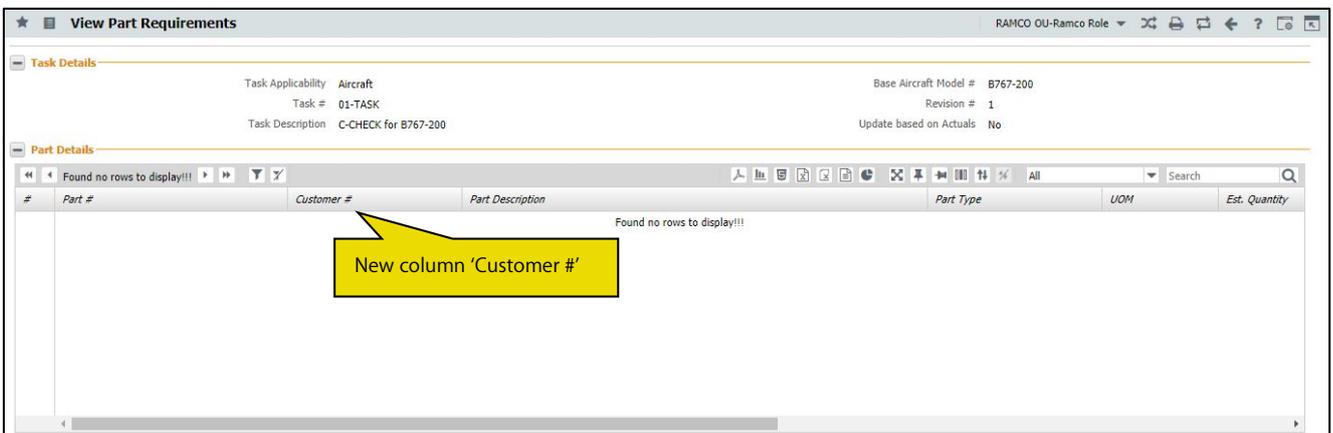
**Exhibit 1:** Identifies newly added editable column with help-on enabled in **Edit Part Requirements** screen



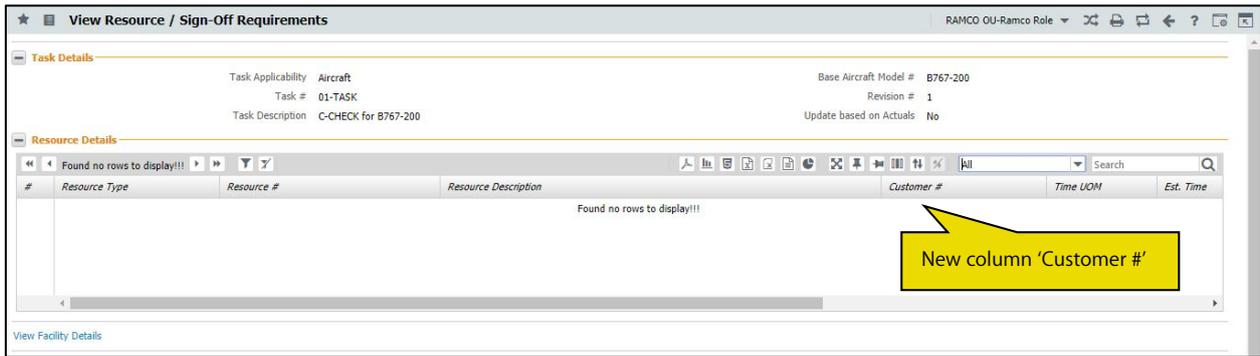
**Exhibit 2:** Identifies newly added editable column with help-on enabled in **Edit Resource/ Sign-off Requirements** screen



**Exhibit 3:** Identifies newly added display only column in **View Part Requirements** screen



**Exhibit 4:** Identifies newly added display only column in **View Resource / Sign-Off Requirements** screen



## WHAT'S NEW IN SHOP WORK ORDER?

### Ability to set Work Status as "Tested" to issue COM Reports in Shop

Reference: APRP-704

#### Background

Ability to set Work Status as "Tested" to issue COM Reports in Shop. Issue COM screen has to list Tested as part status in Reference details cluster and the same has to be printed in Certificates.

#### Change Details

##### Common Master

New process parameter "Auto-check "Tested" in the Issue CoM page on selection of Work Status?" has been added under the Entity type 'Work Status' and the Entity 'All user defined entities' in the **Set Process Parameters** screen of the **Define Process Entities** activity of **Common Master** with the following functionality:

Process Parameter Value	The system defaults
0 (No) Existing Behavior	System do not default "Tested" check box on selecting the Work Status in Issue COM of Shop
1 (Yes)	System defaults "Tested" check box on selecting the Work Status in Issue COM of Shop

##### **Issue Certificates**

A new checkbox control "Tested" is added in the Reference Details section of Certificate of Maintenance tab in **Issue Certificates** screen. Based on the above process parameter, if the value is set as '1' for the entity, and the same entity is selected in Work Status dropdown of Certificate of Maintenance tab in Issue Certificates screen, the newly added checkbox "Tested" has to be auto selected and on save it will save against the Part/Part-Serial in COM. The same will get printed on the reports.

*Note: On printing any of the COM reports, the work status will show as Tested in the report for the above scenario.*

Exhibit 1: Identifies the Issue Certificates screen of Shop Work Order

The screenshot displays the 'Issue Certificates' interface within a 'Shop Work Order' context. The interface includes several sections:

- Navigation:** Breadcrumbs at the top show 'Component Maintenance > Shop Work Order > Issue Certificates'. The page title is 'Issue Certificates'.
- Actions:** Radio buttons for 'Create Certificate', 'Reprint Certificate', and 'Replace Certificate'. A 'Reference Type' dropdown is set to 'Work Order #', and a 'Reference #' search field is present.
- Issue Details:** Fields for Certificate #, Numbering Type, Printed?, Paper Doc #, Certificate Status, and Replaced Cert #.
- Main Core Details:** Fields for Part # / Serial #, Serial #, Lot #, Mfr. Part #, Part Description, Mfg. Serial #, Mfg. Lot #, Mfr. #, Qty., Component #, and Multiple Cores.
- Reference Details:** Fields for Work Order #, Customer #, Ref Doc #/Rev #, Order Description, Customer Order #, Rev Date, Event #, Customer PO #, and Final Disposition (set to '1-REPAIR').
- Options:** 'Shelf Life Exp Date' field, 'Work Status' dropdown (set to '12345'), and checkboxes for 'Inspect', 'Repair', 'Overhaul', 'Modify', 'Inspected/Tested', 'New', 'Prototype', and 'Tested'.
- Certificate Details:** 'Certifying Remarks' text area, 'Eligibility' field, and 'Print Option' dropdown (set to 'All Items on one Certificate').

A red rectangular box highlights the 'Tested' checkbox, and a yellow callout bubble with the text 'New Checkbox control added' points to it.

# Ability display Customer Type in Shop Quick Actions Hub

Reference: APRP-1241

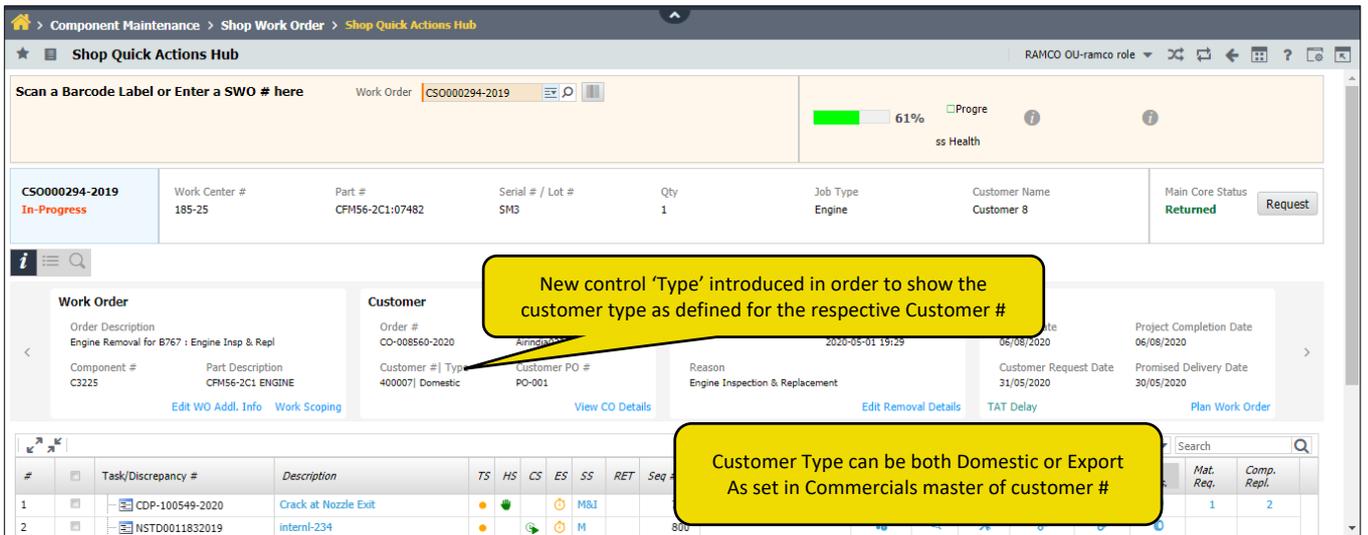
## Background

Requirement of a new provision in Shop Quick Actions Hub wherein user can identify the Type of customer whether it is Domestic/Export related to the SWO.

## Change Details

To facilitate the display of Customer Type in Shop Quick Actions Hub, a new control Type is introduced in the Customer Card of Shop Quick Actions Hub to show the Customer Type as defined in the Commercials master for the respective Customer # related to the Shop Work Order #.

**Exhibit 1:** Identifies the new **Type** control in Customer Card of **Shop Quick Actions Hub**



## Ability to display Returned count as well in the Shop Quick Actions hub

Reference: APRP-1242

### Background

Only pending returned parts counts are displayed in the Count section, User requires a provision in Shop Quick Actions Hub to view returned counts of Main Core, Removed Core and Unconsumed Parts.

### Change Details

To facilitate display of Returned count in **Shop Quick Actions Hub**, the following modifications have been incorporated in Ramco Aviation:

- A New Count Card 'Returned' is introduced in the count section of **Shop Quick Actions Hub**.
- The Returned count card displays counts of Main Core and associated core, Removed Core and Unconsumed Parts which have been returned.
- A click on the counts link in Returned Count card will redirect to the **Record Part Consumption & Return** screen with appropriate returned part details of that SWO # displayed in the multiline of relevant tabs which will be defaulted.

**Exhibit 1:** Identifies the newly added Returned card in Count Section of **Shop Quick Actions Hub**

The screenshot shows the 'Shop Quick Actions Hub' interface for Work Order CS0000294-2019. The 'Returned' count section is highlighted with a yellow callout box, showing counts for Main Core (1), Rem. Core (1), and Uncons. Parts (4). Below this, a table lists tasks and discrepancies:

#	Task/Discrepancy #	Description	TS	HS	CS	ES	SS	RET	Seq #	Execution Comments	Discrep.	Obs.	Req. Mat.	Disassem.	Assem.	Part Cons.	Mat. Req.	Comp. Repl.
1	NSTD0011832019	Internal-Z34	●				M		1		⚙️	🔍	🔗	🔗	🔗	0		
2	CDP-100549-2020	Crack at Nozzle Exit	●	●			M&I		7		⚙️	🔍	🔗	🔗	🔗	0	1	2
3	CDP-100556-2020	Engine Oil Change	●	●			SO		8		⚙️	🔍	🔗	🔗	🔗	0	1	
4	CDP-100557-2020	TEST2	●	●					9		⚙️	🔍	🔗	🔗	🔗	0		
5	CDP-100642-2020	Faulty altimeter	●				M&I		13		⚙️	🔍	🔗	🔗	🔗	0		

## Ability to show percentage of completion, progress and closure readiness as icons & popups in the Shop Quick Actions hub

Reference: APRP-1473

### Background

Shop Quick Actions Hub serves as a single screen where Supervisors can review the progress of a Shop Work Order or Mechanics can perform all the shop execution activities quickly.

For a supervisor, there requires a provision to view the completion % of a Shop Work Order, progress health and the closure readiness. This will give a whole idea if the SWO is good to close or if there are any exceptions pertaining to closure of a Shop Work Order. This will in turn help the users to close the work as per the committed TAT without any issues/delay.

### Change Details

To facilitate the viewing of completion % of a Shop Work Order, progress health and the closure readiness in **Shop Quick Actions Hub**, the following modifications have been incorporated in Ramco Aviation:-

- **Work Completion %:** Shows the current Work Completion % of the Shop Work Order in a progress bar.
- **New process parameter** "Basis of Work Completion % depiction in Shop Quick Actions Hub?" introduced under the entity type Shop Work Order Type and the All user defined Shop Work Order Types excluding "-All Work Order--" in the **Define Process Entities** activity of **Common Master**.

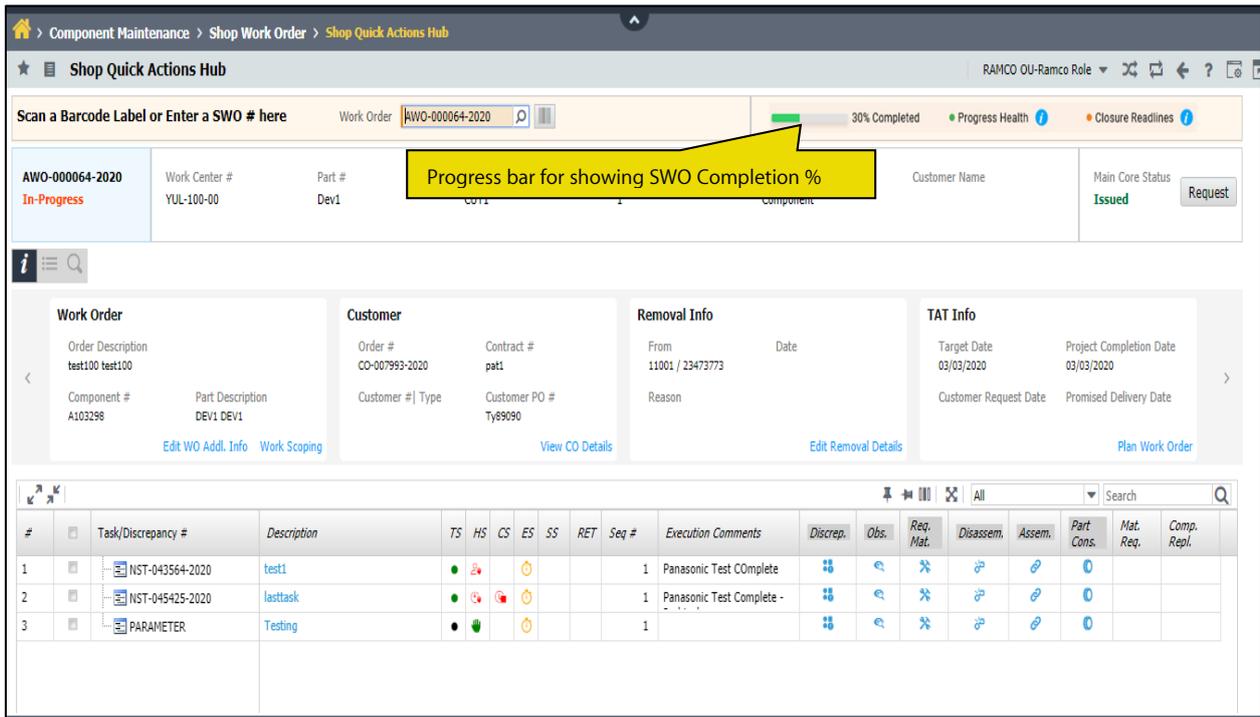
Process Parameter	Value	Impact in Shop Quick Actions Hub
Basis of Work Completion % depiction in Shop Quick Actions Hub?	"0" for Status only	The system will calculate the Work Completion % in Shop Quick Actions Hub only based on Status of all tasks and discrepancies.
Basis of Work Completion % depiction in Shop Quick Actions Hub?	"1" for Status & Est. Man Hrs.'	The system will calculate the Work Completion % in Shop Quick Actions Hub only based on both Status & Est. Man Hrs. of all tasks and discrepancies.

- **Progress Health:** Shows the current status of the Shop Work Order.
  - Iconic representation of depicting current Progress health of the Shop Work Order. It will be shown as Green only if the Shop Work Order is not 'On-Hold', Estimation Status is either 'Confirmed Estimates' or 'Released Estimates' or not available/required, Quotation Status is 'Approved' or not available/required and/or the Customer Order associated with the Shop Work Order is not 'On-Hold' or not available, else it will depict as Orange as a warning to the user.
  - **Progress Health popup** will be launched on click of the icon near the Progress Health label. This popup will show 3 progress bars: **Elapsed Time** (based on Current Date & Time and Planned Date & Time of the SWO), **Work Completion** (based on the Status of completion of all tasks & discrepancies in the SWO) and **Worked Hours** (based on Est. Man Hrs and Total Time booked for all the tasks & discrepancies in the SWO). It also has 4 card depictions: Exec. Doc. Hold?,

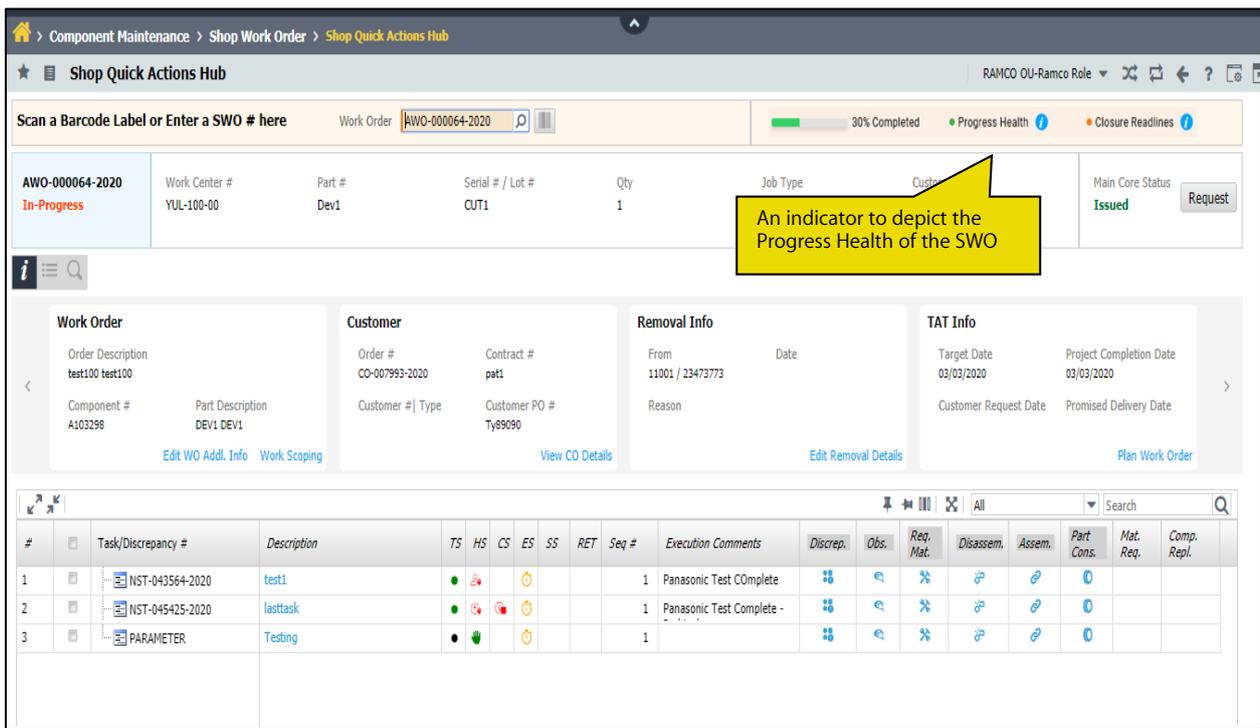
Estimated?, Quoted? and CO Hold?, which shows the current status related to the respective cards with colour coded display indicating any warning, if any.

- **Closure Readiness** : Shows if the Shop Work Order is good to go for a closure or not
  - Iconic representation of depicting current Closure Readiness of the Shop Work Order. It will be shown as Green only if All the tasks in the respective Shop Work Order is in 'Completed/Closed/Cancelled/Pre-Closed' status or not available, all the discrepancies in the respective Shop Work Order is in other than 'Under Resolution' status or not available, there's no pending parts for return in the respective Shop Work Order (i.e. all removed cores, main core, unconsumed parts have been returned), COM has been issued against the respective Shop Work Order if set as 'Yes', there's no pending sign off against any task/discrepancy in the respective Shop Work Order and/or no clock is running against any task/discrepancy in the respective Shop Work Order, else it will depict as Orange as a warning to the user.
  - **Closure Readiness popup** will be launched on click of the icon near the Closure Readiness label. This popup will show 6 card depictions: Task Completion, Discrepancy Closure, Parts Return, COM Issued, Sign Off and Clock Running card which shows the current status related to the respective cards with colour coded display indicating any warning, if any. In case there is a warning indicator of Orange, the cards will be made clickable and will let the user traverse to the following screens and default the relevant information:-
    - Task Completion : Record Shop Execution Details
    - Discrepancy Closure : Record Shop Execution Details
    - Parts Return : Record Part Consumption & Return
    - COM Issued : Issue Certificates
    - Sign Off : Record Shop Execution Details
    - Clock Running card : Record Shop Execution Details

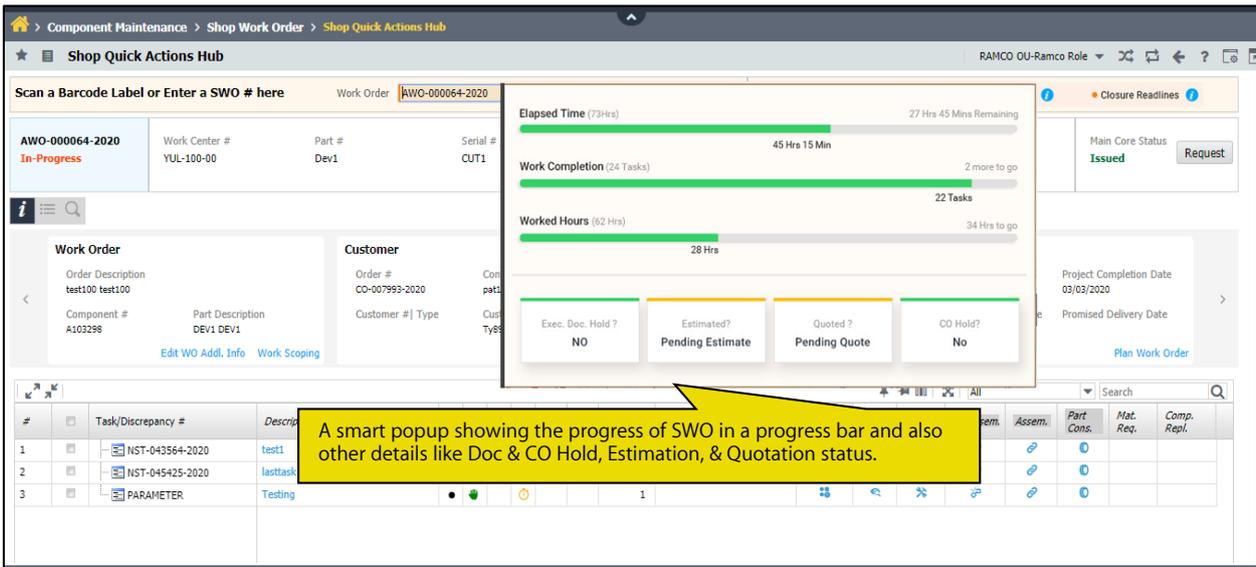
**Exhibit 1:** New improvements in Shop Quick Actions Hub – Progress Bar – Indicating the percentage of Work Completion with a colored representation.



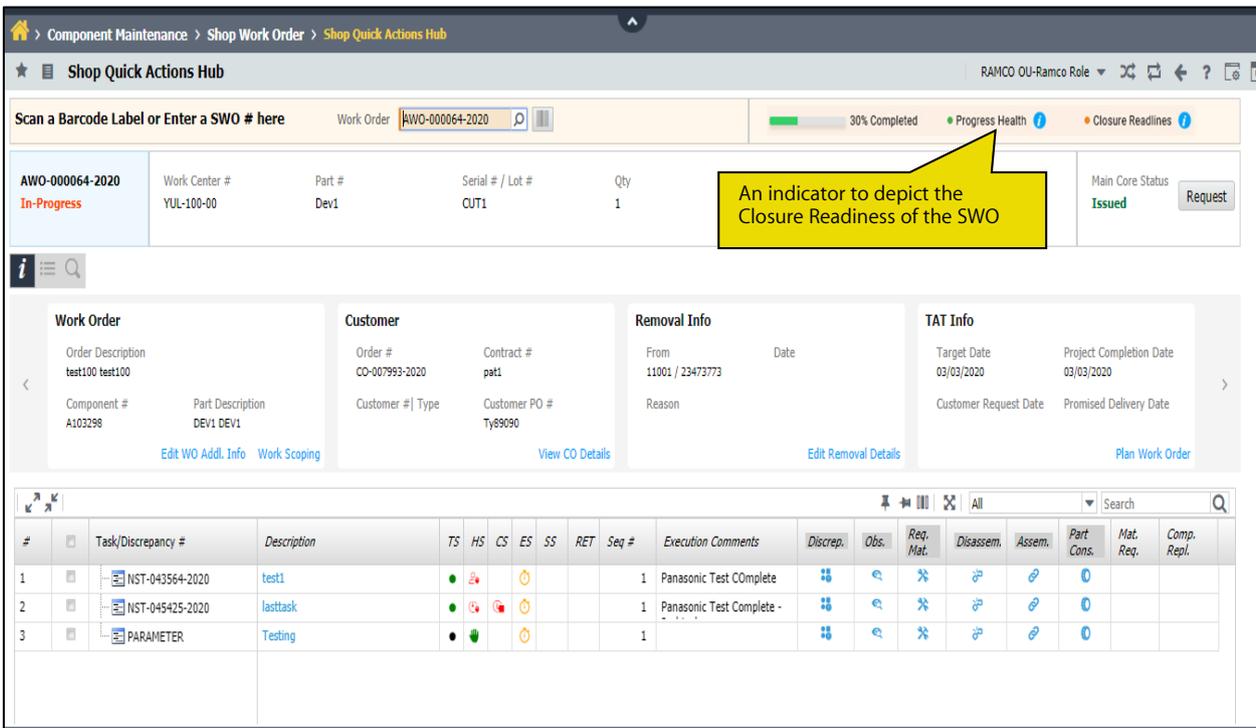
**Exhibit 2:** New improvements in Shop Quick Actions Hub – Progress Health Indicator where the color of the icon depicts the progress health status of the SWO.



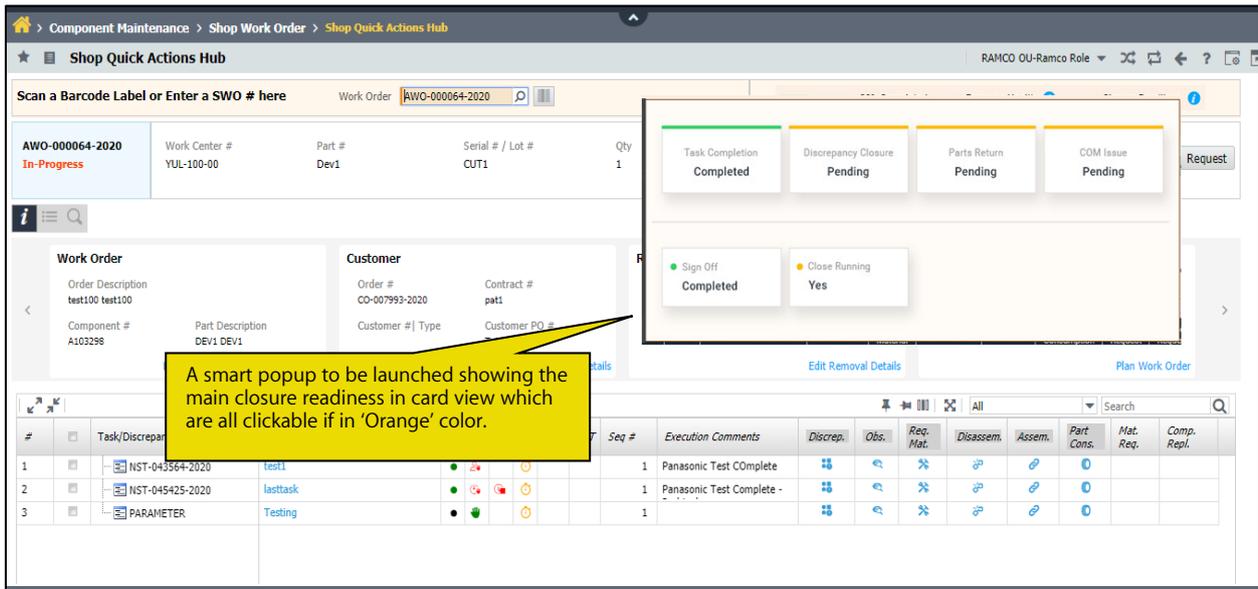
**Exhibit 3:** New improvements in Shop Quick Actions Hub – Pop up indicating the progress of a SWO and display the details of various important documents.



**Exhibit 4:** New improvements in Shop Quick Actions Hub – Closure Readiness Indicator where the color of the icon depicts the closure readiness status of the SWO.



**Exhibit 5:** New improvements in Shop Quick Actions Hub – Closure Indicator Pop up indicating the status of various documents and steps that are essential for closure of a SWO and display the details in a color coded manner.



## WHAT'S NEW IN AIRCRAFT EXECUTION HUB?

### Ability to record Skill required against a Corrective Action and validate during sign off in AME Hub

*Reference: APRP-1389*

#### Background

Once a discrepancy is reported, Corrective Actions which are necessary for the resolution of the discrepancy, are entered later. Skill # required to execute the Corrective Actions need to be captured along with Corrective Action recording. These Corrective Actions are then assigned to each Mechanics and Inspectors based on the Skill #. Currently there is no provision to capture Skill # at Corrective Action level in AME Hub.

#### Change Details

##### Work Reporting Hub

In the Discrepancy tab multiline of **Work Reporting Hub**, help enabled three new editable columns "Mech Skill #", "Insp Skill #" and "RII Skill #" alongside of sign off controls. User can enter Skill # at individual sign off requirement applicable to the corrective action or discrepancy to be signed off. The existing Skill # column, recorded Skill # will be updated for all the applicable Resource Group for the Sign off Requirement of the Corrective Action.

##### Discrepancy Actions

In the **Discrepancy Actions** screen, help enabled three new editable controls "Skill #", are added against each Resource Group in Sign off Details section. A new help enabled editable control "Skill #" is added in Corrective Action section to record Skill # for the entire applicable resource group against the Corrective Action. User can enter Skill # at individual sign off requirement applicable to the corrective action or discrepancy to be signed off. The Skill # at corrective action level, recorded Skill # will be updated for all the applicable Resource Group for the Sign off Requirement of the Corrective Action.

##### Manage Discrepancy

In the **Manage Discrepancy** screen, help enabled three new editable controls "Mech Skill #", "Insp Skill #" and "RII Skill #", are added against each Resource Group Sign Off requirement in Corrective Action section. User can enter Skill # at individual sign off requirement applicable to the corrective action or discrepancy to be signed off. The existing Skill # at discrepancy level, recorded Skill # will be updated for all the applicable Resource Group for the Sign off Requirement of the Corrective Action.

Exhibit 1: Identifies the Aircraft Work Reporting Hub screen

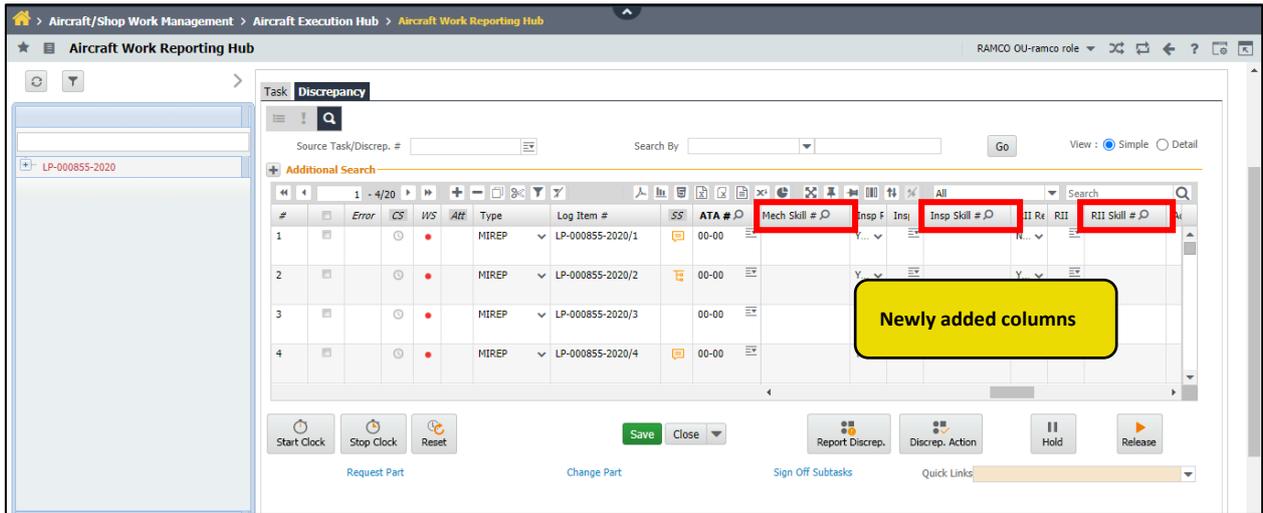


Exhibit 2: Identifies the Discrepancy Actions screen

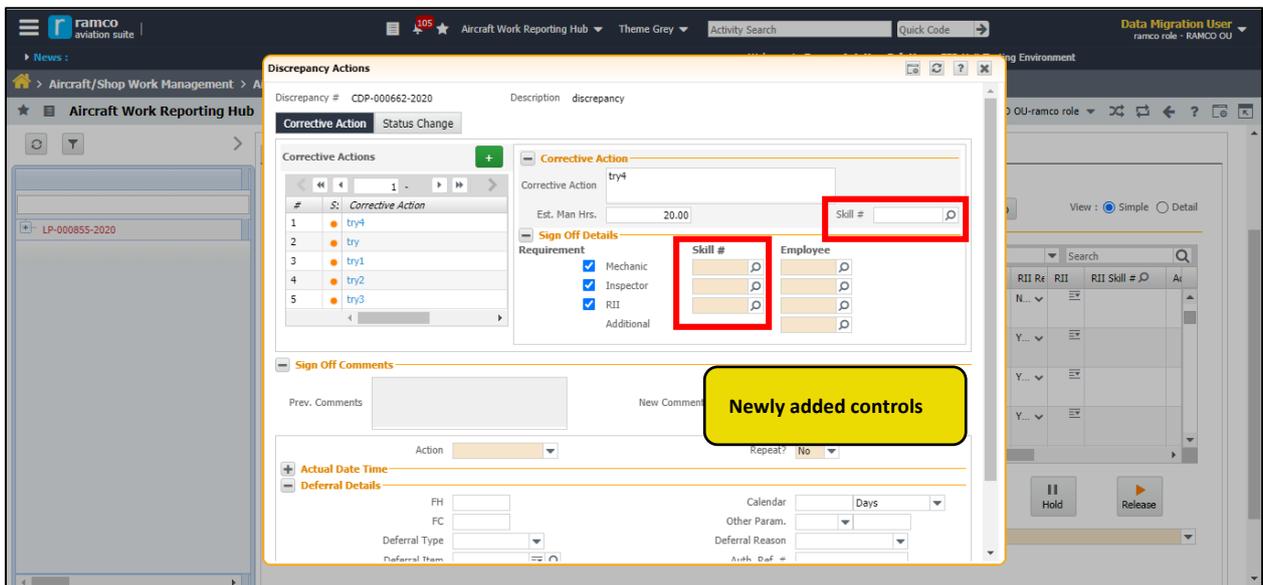
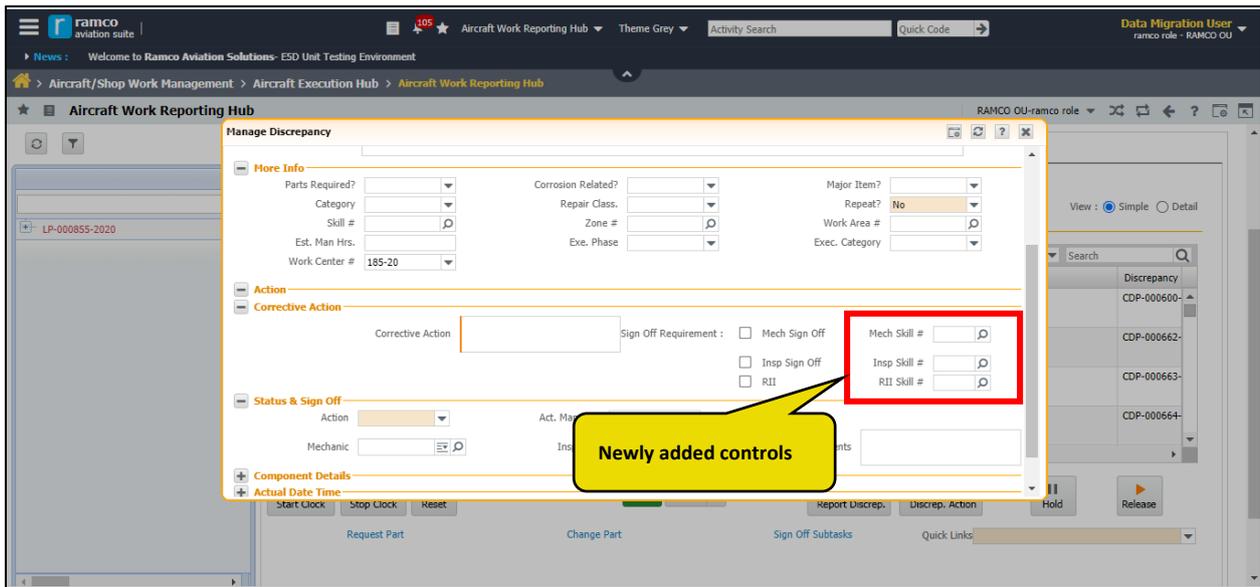


Exhibit 3: Identifies the Manage Discrepancy screen



## Ability to capture Est. Man Hrs required against a Corrective Action and auto sum at Discrepancy level in AME Hub.

Reference: APRP-1393

### Background

In the AME hub, user can save/modify the estimated time required to complete a Discrepancy, i.e. Est. Man Hrs. value is captured at Discrepancy level. But for a discrepancy there can be multiple corrective actions associated to it. In order to record the estimated time required to complete these corrective actions, we require a new provision to capture Est. Man Hrs. value at corrective action level. All these estimated time duration of corrective action should be added and the cumulative value should be shown against the Discrepancy.

### Change Details

#### Common Master

To facilitate to capture Est. man Hrs. at corrective action level, a new process parameter '**Est. Man Hrs. level for Discrepancies?**' is introduced to capture the Est. Man. Hrs value at the Corrective Action level under Entity Type "Package Type" and Entity "All user defined package types including "Log Card"", in the **Set Process Parameters** screen of the **Define Process Entities** activity of **Common Master** with the following functionality:

Process Parameter Value	System Behavior
0 (Discrepancy level)	Existing Behavior System will capture Est. Man Hrs. at Discrepancy level.
1 (Corrective Action level)	System will capture Est. Man Hrs. at Corrective Action level.

#### Discrepancy Action Pop-up

In Discrepancy Action Pop-up, two new control are introduced to capture Est. Man hrs. Value at corrective action level. A new display only column Est. Man Hrs. is added next to Corrective Action column. In the Corrective Action section a new editable control is added for the user to record estimated man hour's value for the corrective action. These controls added in the pop-up will be shown only if the value for the process parameter 'Est. Man Hrs. level for Discrepancies?' is set as 1.

If the value for the process parameter 'Est. Man Hrs. level for Discrepancies?' is set as '1', the system behavior is as follows:

1. For a discrepancy with multiple corrective actions having Est. Man Hrs, the summation of these value will be displayed in the Discrepancy tab multiline.
2. User can increase the estimate value shown at the multiline for a Discrepancy, but one cannot reduce the estimate. If reduced system will validate.
3. Est. Man Hrs. value cannot be assigned to a discrepancy with no corrective action. System will validate.
4. While reporting a discrepancy, it is mandatory to enter Corrective action if Est. Man Hrs value is assigned.

#### Discrepancy Multiline

Depending upon the set options value the application will work as follows:

1. If set option set as '0', then Est. Man Hrs. will be captured and shown at Discrepancy level for a Discrepancy.
2. If set option set as '1', then Est. Man Hrs. will be captured at Corrective Action level for a Discrepancy.
3. If set option set as '1' and no Corrective Action is available then system will validate on entering Est. Man Hrs.
4. If set option set as '1' and Corrective Action is also given during Discrepancy reporting, then the same will be copied as the Est. Man Hrs. of that Corrective Action.
5. If set option is set as '1', then Est. Man Hrs. will show the summation of the Est. Man Hrs. of all Corrective Actions in the multiline.

### Manage Discrepancy

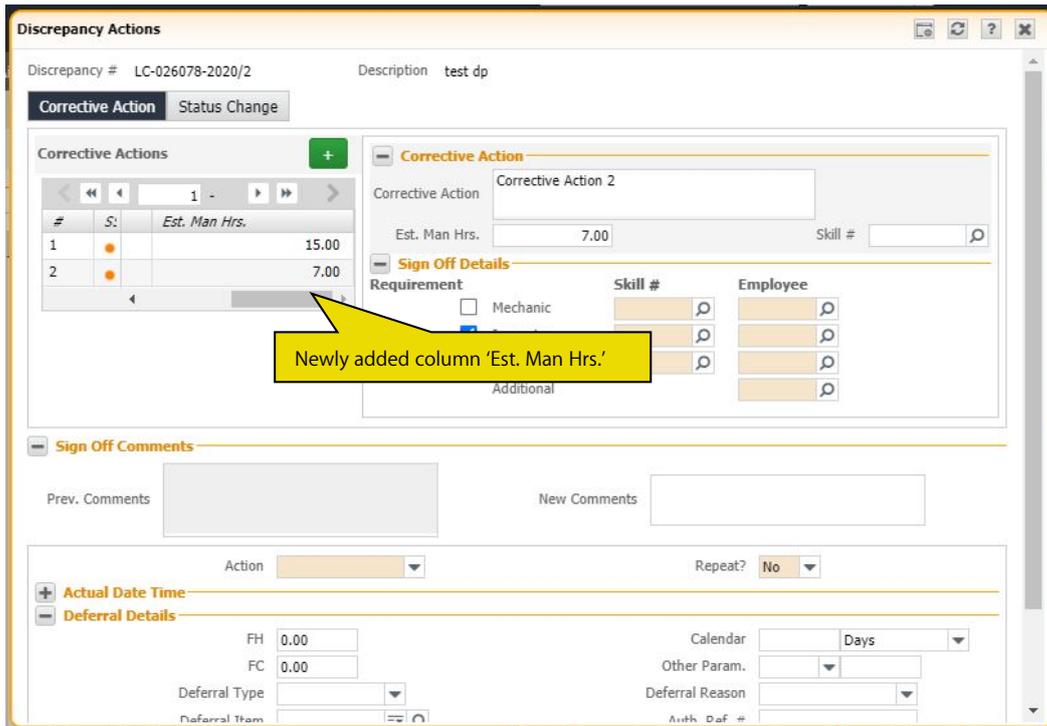
If the process parameter value 'Est. Man Hrs. level for Discrepancies?' is set as '0', then Est. Man Hours will be captured and shown at Discrepancy level for a Discrepancy, else if it is set as '1', then Est. Man Hours will be captured at Corrective Action level for a Discrepancy.

**Exhibit 1:** Identifies new editable control added in Discrepancy Actions Pop-up of Aircraft Work Reporting Hub.

The screenshot displays the 'Discrepancy Actions' window. At the top, it shows 'Discrepancy # LC-026078-2020/2' and 'Description test dp'. Below this, there are tabs for 'Corrective Action' and 'Status Change'. The main area is divided into several sections:

- Corrective Actions:** A table with columns '#', 'S:', and 'Corrective Action'. It lists two actions: 'Corrective Action 1' and 'Corrective Action 2'.
- Corrective Action Details:** A form for 'Corrective Action 2' with fields for 'Corrective Action', 'Est. Man Hrs.' (set to 7.00), and 'Skill #'. A yellow callout box points to the 'Est. Man Hrs.' field with the text 'Newly added control 'Est. Man Hrs.''. Below this is the 'Sign Off Details' section with a 'Requirement' list including 'Mechanic', 'Inspector' (checked), and 'RII' (checked).
- Sign Off Comments:** Fields for 'Prev. Comments' and 'New Comments'.
- Actual Date Time:** A dropdown menu for 'Action' and a 'Repeat?' dropdown set to 'No'.
- Deferral Details:** Fields for 'FH' (0.00), 'FC' (0.00), 'Deferral Type', 'Calendar' (Days), 'Other Param.', 'Deferral Reason', and 'Auth Def #'.

**Exhibit 2:** Identifies new column added in Discrepancy Actions Pop-up of Aircraft Work Reporting Hub.



**Exhibit 3:** Identifies summation value displayed in the Est. Man Hrs Column of Aircraft Work Reporting Hub

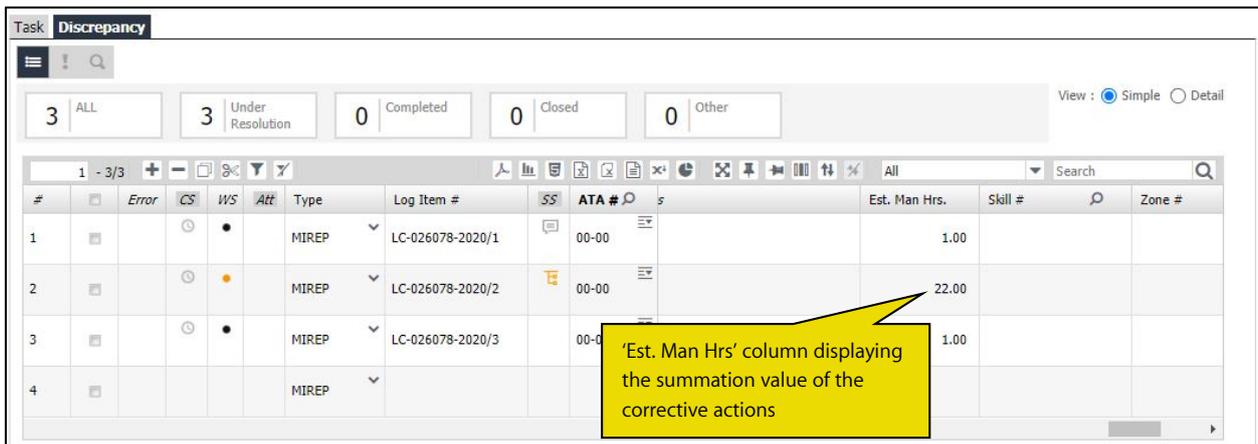


Exhibit 4: Identifies Est. Man Hrs. control in the Manage Discrepancy pop-up of Aircraft Work Reporting Hub

The screenshot shows a 'Manage Discrepancy' form with the following fields and sections:

- Fields:** Parts Required?, Category, Skill #, Est. Man Hrs., Work Center #, Corrosion Related?, Repair Class., Zone #, Exe. Phase, Major Item?, Repeat?, Work Area #, Exec. Category.
- Action Section:** Includes a 'Corrective Action' label and a text input field.
- Sign Off Section:** Includes checkboxes for 'Mech Sign Off', 'Insp Sign Off', and 'RII', along with corresponding skill number fields (Mech Skill #, Insp Skill #, RII Skill #).
- Expandable Sections:** 'Status & Sign Off', 'Component Details', and 'Actual Date Time'.
- Buttons:** A green 'Report Discrepancy' button at the bottom.

A yellow callout box points to the 'Est. Man Hrs.' field with the text: 'Est. Man Hrs' control in the Manage Discrepancy pop-up.'

## Ability to generate separate Return # for every Component Replacement during Removal/Replacement from Parts Hub

Reference: APRP-1488

### Background

Whenever bulk removal/replacement is carried out in the **Parts Hub** screen, the system always creates a single Return # for all removals/replacements. This becomes an impediment, if each part has to be tracked with different Return # as each one would have to be returned to a different warehouse.

### Change Details

#### Common Master

New process parameter "Require Return # grouping for bulk Component Removals in the Parts Hub?" has been added under the entity type 'Package Type' and the entity 'All user defined package types including "Log Card" excluding "All Packages"' in the **Set Process Parameters** screen of the **Define Process Entities** activity of **Common Master** with the following functionality:

Process Parameter Value	The system generates
0 (Not Required)	Individual / unique Return # for CRs as per line item wise
1 (Required) Existing Behavior	Bulk / common Return # for all the selected CRs

#### Parts Hub

If the process parameter "Require Return # grouping for bulk Component Removals in the Parts Hub?" for the selected package type is set as '0' (Not Required) and the user tries to perform bulk component removal/replacement transactions (selecting multiple records) in the **Parts Hub** screen and, clicks the **Change Part** button task, the system will generate unique Return # for each CR # generated combinations and update new Return # in "Latest Return" column and displays the status in **Return # Status** column of **Part Attach/Remove** tab of **Parts Hub** screen.



*Note: This feature will work only in those scenarios that generate Return # for CR # transaction.*

Exhibit 1: Identifies the Parts Hub screen of Aircraft Execution Hub

RAMCO OU-ramco role

LP-000916-2020 Task / Discrep. # Type Status Description Rep. Time

Planned NSTD0014112019 :: 1 :: Non Routine Planned NST123

Part Requirements / Request **Part Attach / Remove**

2 All 0 Rem. But Not Aft. 0 Force Part Change 0 Part Not Issued 0 Part Routed

View : Simple Detail

#	Err	CS	Source Task/Discrep. #	Tracking	Action	Object Type	Date Type	Latest Return	Return # Status	Rem. Component #	Att. Component #	Message Center
1			NSTD0014112019	1	Remove	Other Parts		MRT-004300-2020	Confirmed	COMP-001221		
2			NSTD0014112019	1	Remove	Other Parts		MRT-004301-2020	Confirmed	COMP-001222		
3					Replace	Component						

Save as Draft Change Part Delete Draft Quick Links

## Ability to view MR coverage details in Parts Hub screen

Reference: APRP-1415

### Background

It is necessary to know the Coverage status of the parts requested, whether it is received, shipped, In-transit, or ordered status. Currently, user has to traverse to View Coverage Summary screen to know the coverage status of the parts requested.

Hence a provision is necessary to view the coverage status in the multiline of Part Requirement / Request tab of Parts Hub screen.

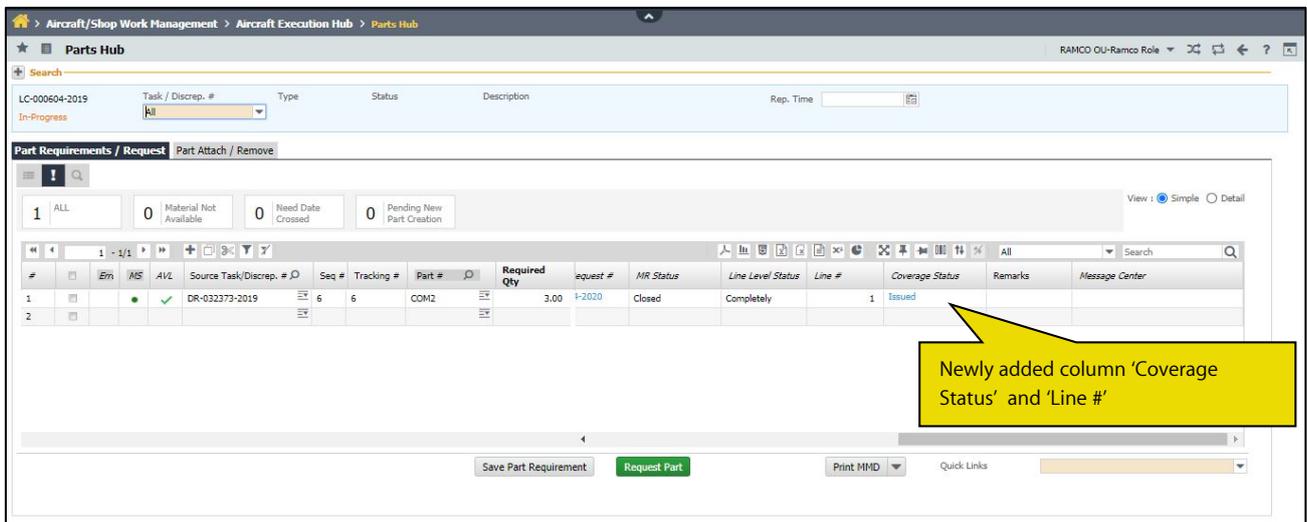
### Change Details

To view the coverage status details in the multiline, two new columns are introduced: Line # and Coverage Status.

**Line #** is a display only column which displays the corresponding Line # of the Part raised in the Material Request #.

**Coverage Status**, a data hyperlink column, displays the Coverage status of the part requested as a link. On click of this link, screen traverses to the View Coverage Summary for the respective part in the material request.

Exhibit 1: Identifies the newly added columns in Parts Hub



**Exhibit 2:** Identifies the Line # and Coverage Details multiline details defaulted in **View Coverage Summary**

Material Request # MR-003454-2020  
MR Class Maintenance  
MR Priority Normal  
Warehouse # 0123  
MR Type Unplanned  
Need Date 2020/07/13

Line # 1  
Get Details  
MR Qty. 3.00  
Allocated Qty. Issued Qty. 3.00  
Covered Qty. 0.00  
Coverage Status Issue Pending Qty. 0.00

#	Part #	Part Description	Coverage Status	PR #	PR Date	Order Type	Order #	Order Date	Order Status	ASN #	ASN Date
1	COM2	JRM									

Line # is defaulted and Parts details are defaulted in Coverage Details Multiline

## WHAT'S NEW IN AIRCRAFT MAINTENANCE EXECUTION?

### Ability to auto assigns Discrepancies to the reporter or the assignee of the source task

*Reference: APRP-1512*

#### Background

Unlike in the case of tasks, the planner cannot assign discrepancies one by one to different employees. Most of the time the discrepancies will be created at the time of inspection, and it is very difficult to assign those discrepancies to an employee at that time. So there should be a provision to auto assign the discrepancies at the time of creation itself.

#### Change Details

##### Common Master

A new process parameter "Auto assign Discrepancies during Discrepancy Creation?" is introduced under the Entity type 'Package Type' and the Entity 'All ', User defined package types including "Log Card" excluding "All Packages" in the **Define Process Entities** activity of **Common Master** with the following permitted values:

- 0 (No) - Existing functionality, system will not assign the discrepancy.
- 1 (Assignee of parent task ) - Whenever a discrepancy is reported against an assigned task, then the newly reported discrepancy will also be auto assigned to the user for whom the parent task was assigned and will behave as an Assigned Discrepancy.
- 2 (Discrepancy Reporter) - Whenever a discrepancy is reported then the newly reported discrepancy will also be auto assigned to the user who has reported the discrepancy and will behave as an Assigned Discrepancy.

##### Discrepancy Creation

Whenever a discrepancy is created inside a package, based on the process parameter, the system will auto assign the created discrepancies against the assignee of the parent task / Discrepancy Reporter. This will work in Aircraft Maintenance Execution (both in desktop and MechanicAnywhere).

## WHAT'S NEW IN WORK REPORTING HUB?

### Ability to default and set sign off requirement for Discrepancies without corrective action in AME Hub

Reference: APRP-1474

#### Background

Discrepancy can be recorded even without entering corrective action. Currently, sign off requirements for a discrepancy is identified only if corrective action is entered. Mechanics need to identify the sign off requirements while recording discrepancy even before entering corrective action.

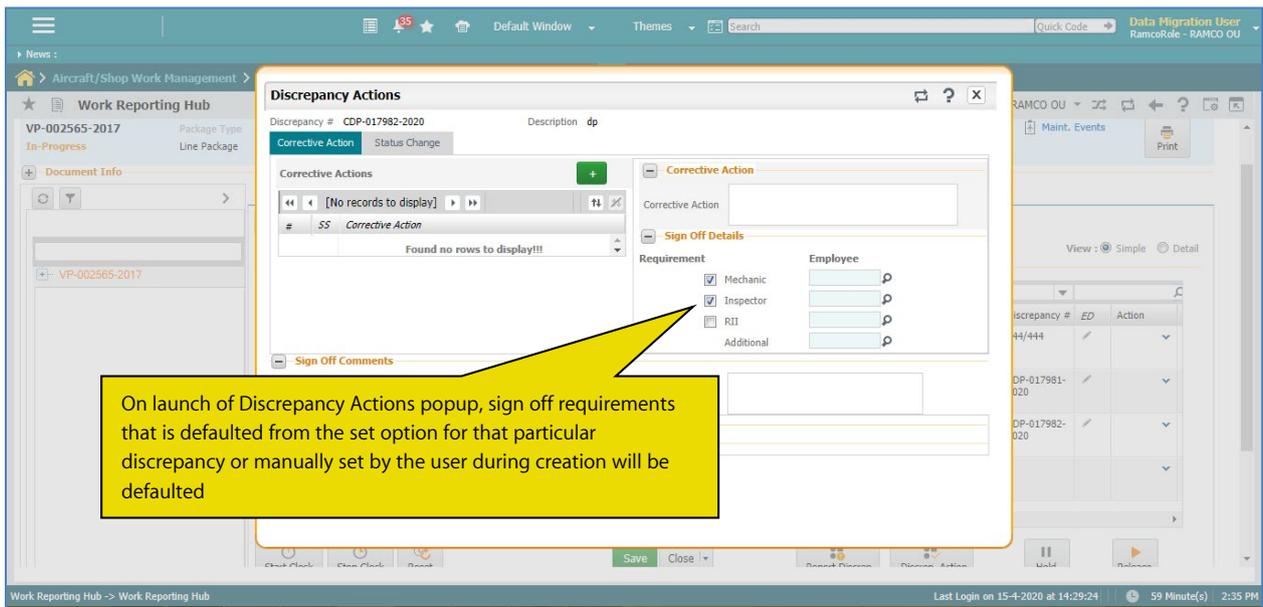
#### Change Details

- To facilitate identification of sign off requirements even without entering corrective actions is achieved through an existing process parameter 'Allow Identification of Sign Off Requirement without Corrective Action for Discrepancies?' available under the entity type Package Type and the entity All user defined package types including Logcard in the Define Process Entities activity of Common Master.
- On recording a Discrepancy from Work Reporting Hub multiline or Manage Discrepancy popup, will be identified and enabled at discrepancy level based on the above set option and the sign off requirements defined for the set option 'Default Sign Off Requirements for Non-Routines?' or the user can manually also set the sign off requirements.
- The sign off requirements defaulted from the set option or manually set sign off requirements will be considered as the Sign Off requirement for the recorded discrepancy and the same sign off requirements will be defaulted for the subsequent corrective actions added.

#### Note:

- *The defaulted sign off requirements will not be shown in 'Sign Off Status' as sign off status is updated only on addition of corrective action.*
- *The sign off requirements check box selection will be selected as per the sign off requirement defaulted or manually set in the respective Discrepancy Actions popup for the discrepancy.*
- When a discrepancy is added from Due List, then the same sign off requirements as defaulted/ enabled in the previous package from which it was deferred will be defaulted while adding to the new package.
- The above same behavior of defaulting sign off requirement based on set option is also applicable when a discrepancy is reported from Upload Discrepancy Information screen also.

Exhibit 1: Identifies the changes in Discrepancy Action popup of Work Reporting Hub



## WHAT'S NEW IN AIRCRAFT EXECUTION HUB AND MECHANICANYWHERE?

### Mandate Discrepancy Category based on set options in AME Hub and MechanicAnywhere

Reference: APRP-1397, APRP-1398

#### Background

User has categorized the defects and need to specify it against the Discrepancy while reporting and should be made mandatory for some customers. For this we have proposed to use the Discrepancy Category field for categorizing and defining the defects.

#### Change Details

##### Common Master

New process parameter "Mandate Discrepancy Category on Discrepancy Reporting?" has been added under the Entity Type 'Package Type' and the Entity 'All user defined package types including Log Card' in the **Set Process Parameters** screen of the **Define Process Entities** activity of **Common Master** with the following functionality:

Process Parameter Value	System Behavior
0 (No) Existing Behavior	System will not mandate discrepancy category on discrepancy reporting.
1 (Yes)	System will mandate discrepancy category on discrepancy reporting.

##### **Work Reporting Hub**

If the above process parameter is set as 'Yes' and user tries to report a discrepancy in Discrepancy tab multiline or in **Manage Discrepancy** screen without selecting the Category, will validate to select Category on Save or Report Discrepancy respectively.



*Note: This behavior is not applicable on any means of editing the discrepancy. Even though the process parameter is set as yes and user tries to edit the discrepancy by blank out the previously saved value for a discrepancy will not validate on save or edit discrepancy.*

##### **MechanicAnywhere**

If the above process parameter is set as 'Yes' and user tries to report a discrepancy in Create Discrepancy or in Discrepancy write-up screen without selecting the Category will validate to select Category on Add/Add & Sign Off or Create/Create & Sign Off respectively.



*Note: This behavior is not applicable on any means of editing the discrepancy. Even though the process parameter is set as yes and user tries to edit the discrepancy by blank out the previously saved value for a discrepancy will not validate on save.*

Exhibit 1: Identifies the Aircraft Work Reporting Hub screen

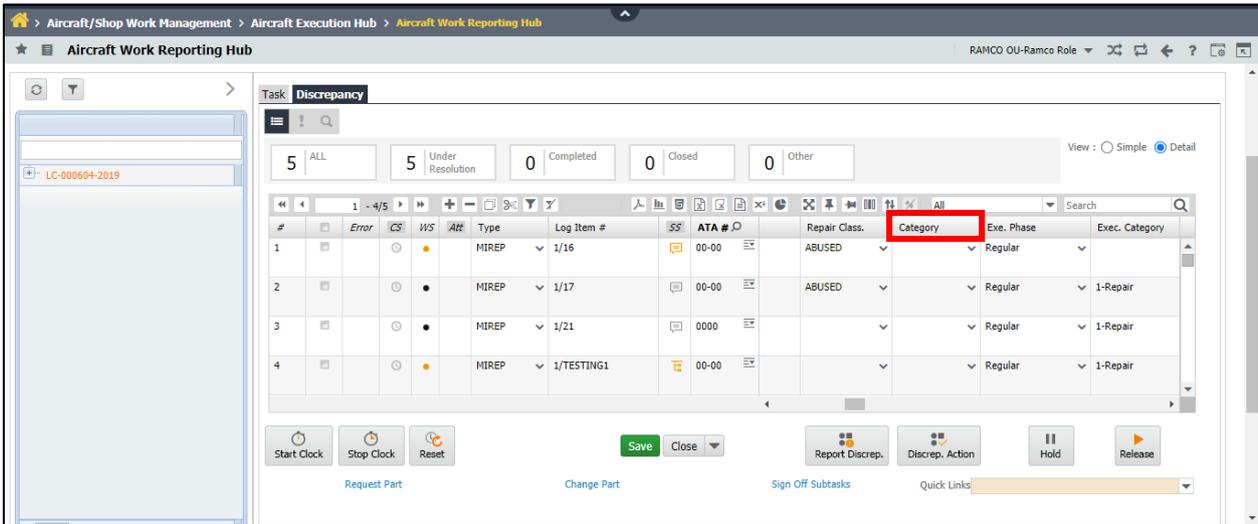


Exhibit 2: Identifies the Manage Discrepancy screen

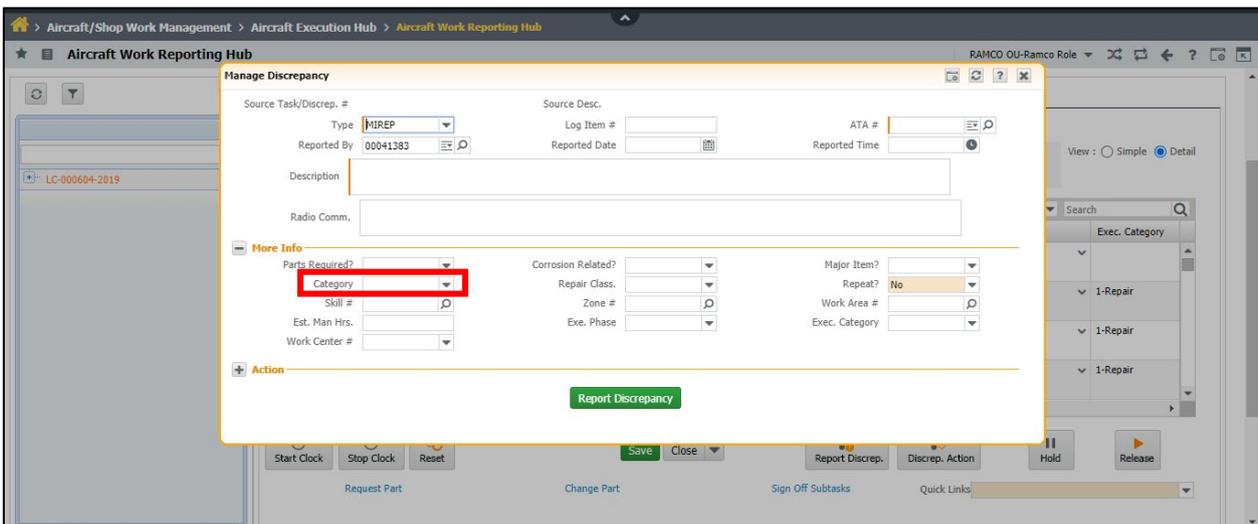


Exhibit 3: Identifies the Create Discrepancy screen of MechanicAnywhere

6:34 PM Thu 24 Sep

< Discrepancy Card **Create Discrepancy**

Type: MIREP Log Item #: [ ] ATA #: 72 Source Task #: LOG12345 Maint. Object: A310 | Vt-666

**Problem Details**

Description: [ ] Radio Communication: [ ] Reported Date & Time: 09-24-2020 06:34:35 Category: [ ] Est. Man Hours: [ ]

Reported By: [ ] Repair Class: [ ]

**Reference Details**

Parts Required:  Corrosion Related:   
Major Item:  Repeat:

Attachments: [ + ] [ ✓ ]

**Resolution Details**

Corrective Action: [ ] Action: [ ]  
Action Date & Time: 09-24-2020 06:34:35 PM

**Sign Off Requirements**

Mechanic:  Inspector:  RII:

▶ Component Details

[ Add ] [ Add & Sign Off ] [ Clear ]

Exhibit 4: Identifies the Discrepancy Write Up screen of MechanicAnywhere

6:31 PM Thu 24 Sep

< eLog **eLog**

Aircraft Reg: Vt-666 | A310

Discrepancy Write Up

Type: MIREP Log Item#: [ ] ATA#: [ ] Source Task/Discrep.#: [ ]

**Problem Details**

Basic Additional

Description: [ ] Category: [ ] Est. Man Hours: [ ]

Repair Classification: [ ]

**Reference Details**

Parts Required:  Corrosion Related:   
Major Item:  Repeat:

Attachments: [ + ] [ ✓ ]

**Resolution Details**

Corrective Action: [ ] Action: [ ]  
Action Date & Time: 09-24-2020 06:31:...

**Sign Off Requirements**

Mechanic:  Inspector:  RII:

[ Create ] [ Create & SignOff ]

## WHAT'S NEW IN COMPONENT MAINTENANCE PLANNING?

### Ability to provide Routing Reason & Remarks for failed records in Route U/S

Reference: APRP-1410

#### Background

When parts for which repair automation is failed are moved into an unserviceable warehouse, there can be multiple reasons associated with the part for storing it in unserviceable warehouse. Hence, a new provision is required in order to capture this reason as remarks and also to capture its future routing details. This reason can be viewed later against the respective part.

#### Change Details

To facilitate the capture of remarks while movement of parts is initiated, the following changes have been incorporated in **Route Unserviceable Components / Parts** screen:

- A new check box '**Show only failed Repair Automation records**' is provided to show only the failed records in the Multiline.
- Two columns '**Routing Remarks**' and '**Routing Reason**' are added in Unserviceable Components / Parts multiline of **Route Unserviceable Components / Parts** screen.
- User can select required Routing Reason and enter Routing Remarks against the Part for which the Repair Automation has failed in **Route Unserviceable Components / Parts** screen and this data entered will be captured and shown against the respective part on click of '**Update Routing Info**' button control.

*Note: The visibility of newly added Routing Remarks, Routing Reason column and Update Routing Info button control depends upon the Show only failed Repair Automation records checkbox. These Controls will be present only if the Check box is selected. Another point to note is that the 'Update Routing Info' button will capture only the data selected / entered in the Routing Remarks and Routing Reason columns.*

Exhibit 1: Identifies the newly added controls in Route Unserviceable Components / Parts

The screenshot shows the 'Route Unserviceable Components / Parts' interface. It includes a top navigation bar, a search bar, and a main data table. Three callouts highlight new features:

- New 'Show only failed Repair Automation Records' Check Box:** Located at the top right, next to the 'Show only failed Repair Automation records' checkbox.
- Newly added columns 'Routing Reason' and 'Routing Remarks':** Located in the table header, with 'Routing Reason' and 'Routing Remarks' highlighted in red.
- Newly added button 'Update Routing Info':** Located at the bottom right of the interface.

#	□	Owning Agency #	Stock Status	Owning Agency Name	Routing Reason	Routing Remarks
1	□		Accepted		A	test
2	□		Accepted			
3	□		Accepted			
4	□		Accepted		FAIL	Part Functionality Failure, will be ...
5	□		Accepted			
6	□		Accepted	Pintle Injector		
7	□		Accepted	Pintle Injector		
8	□		Accepted	Pintle Injector		
9	□		Accepted	Pintle Injector		
10	□		Accepted	Pintle Injector		

## WHAT'S NEW IN AUDIT MANAGEMENT REPORTS?

### Ability to print a report to identify completed/upcoming audit reports

Reference: APRP-1330

#### Background

Ability to generate report for which audits have been completed, which should show the status of all the findings. These audits will be setup, have a schedule built, have action conducted upon them, and be completed. Some audits may have a follow up schedule and also an ability to view the upcoming audits.

#### Change Details

##### Audit Management Reports

A new activity **Generate Summary/Upcoming Audit Report** will be added under **Audit Management Reports** component. On launching the new activity, a new UI **Generate Summary/Upcoming Audit Report** will be launched for generating the two new reports **Generate Audit Summary Report** and **Generate Upcoming Audit Report** with some filter criteria to be provided for launching the new reports.

##### **Generate Summary/Upcoming Audit Report**

This new UI has the provision to enter/choose some filter criteria to launch the reports. This screen will have provision to select 'Audit Type', Category and Status for the reports. User can enter Entity Type, Entity Name and the Dates (From and To Date) for the reports to be launched.

Two new links "Generate Audit Summary Report" and "Generate Upcoming Audit Report" to launch the reports will be available in the bottom of the entry point screen.

##### **Audit Summary Report**

Audit Summary Report launches with the respective Customer's Logo and Address for which we are generating the report, in the left and right side of the report. And the report name "Audit Summary Report" will be printed in the center of the report at header. This report will fetch and display all the Audit Report # with the count of findings, observations and objective evidence recorded against it with all information like Audit Type, Category, Entity and Entity Name of the Audit Report with its next due and Audit Start Date in the report. For the Audit Report which do not have Audit Schedules defined with the Next Due, will display Blank against the Audit Report #. If the Audit Report # do not have any findings or observations or objective evidence recorded against the Audit Report # will display Blank against the respective column. Refer to the exhibit for the sample report and the columns involved in it.

##### **Upcoming Audit Report**

Upcoming Audit Report launches with the respective Customer's Logo and Address for which we are generating the report, in the left and right side of the report. And the report name "Upcoming Audit Report" will be printed in the center of the report at header. This report will fetch and display all the Audit Schedule # for which the Audit Report # has not been generated yet for the provided filter criteria. Refer to the exhibit for the sample report and

the columns involved in it.

Exhibit 1: Identifies the Generate Summary/Upcoming Audit Report

Exhibit 2: Identifies the Sample Audit Summary Report

Audit Summary Report												
										RAMCO SYSTEMS LIMITED 64 SARDAR PATEL ROAD, TARMANI, CHENNAI TAMILNADU India		
S.No.	Entity	Entity Name	Audit Type	Category	Audit Report #	Date of Audit	No. of Findings	No. of Observations	Objective Evidence	Status	Next Audit Due	Higher Risk?
1	101	Green Mountain	Supplier	Critical	AR-0001-2019	12-Oct-19	5	2	2	Pending Action	30-Mar-20	
2	105	YULCS	Warehouse	Non-Critical	AR-0003-2019	15-Oct-19	3	3	1	Initiated	30-Mar-20	
3	109	Engine	Work Center	Non-Critical	AR-0006-2019	10-Nov-19	N/A	1	N/A	Closed	10-Apr-20	
4	113	Richard	Employee	Non-Critical	AR-0008-2019	11-Dec-19	N/A	N/A	N/A	Pending Action	11-May-20	
5	116	Shop	Others	Critical	AR-0010-2019	22-Dec-19	N/A	N/A	N/A	Initiated	22-May-20	

Exhibit 3: Identifies the Sample Upcoming Audit Report

Upcoming Audit Report					
				RAMCO SYSTEMS LIMITED 64 SARDAR PATEL ROAD, TARMANI, CHENNAI TAMILNADU India	
S.No.	Entity	Entity Name	Audit Type	Audit Schedule #	Audit Schedule Date
1	101	Green Mountain	Supplier	AR-0001-2019	12-Nov-20
2	105	YULCS	Warehouse	AR-0003-2019	17-Nov-20
3	109	Engine	Work Center	AR-0006-2019	22-Nov-20
4	113	Richard	Employee	AR-0008-2019	25-Nov-20
5	116	Shop	Others	AR-0010-2019	30-Nov-20

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