

# **RAMCO AVIATION SOLUTION**

## **ENHANCEMENT NOTIFICATION**

**Version 5.8.6**

**Maintenance**

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# contents

<b>WHAT'S NEW IN AME Hub? .....</b>	<b>8</b>
<b>Ability to view Package Description in the Work Reporting Hub &amp; Help on Package .....</b>	<b>8</b>
Background .....	8
Change Details.....	8
<b>Ability to modify description &amp; ATA # of Non Standard Tasks and Discrepancies</b>	<b>10</b>
Background .....	10
Change Details.....	10
<b>Controlled MMD Printing in Parts Hub .....</b>	<b>12</b>
Background .....	12
Change Details.....	12
<b>Work Reporting Hub Task &amp; Discrepancy Multiline Changes .....</b>	<b>13</b>
Background .....	13
Change Details.....	13
<b>Ability to Mandate Execution Comments before Task Sign Off/Completion/Closure .....</b>	<b>18</b>
Background .....	18
Change Details.....	18
<b>Ability to Default Search Toggle in Aircraft Execution Hub if no clock is currently running for the Package.....</b>	<b>19</b>
Background .....	19
Change Details.....	19
<b>Ability to enforce Need Date for Material Requests in Parts Hub .....</b>	<b>21</b>
Background .....	21
Change Details.....	21
<b>WHAT'S NEW IN TECHNICAL RECORDS? .....</b>	<b>22</b>
<b>Ability to manage Component Replacement from Tech Records Hub.....</b>	<b>22</b>
Background .....	22
Change Details.....	22
<b>Ability to update Parameter Values from the Parameter tab of Tech Records Hub.....</b>	<b>24</b>

# contents

Background .....	24
Change Details.....	24
<b>Ability to upload documents from Tech Records Hub .....</b>	<b>26</b>
Background .....	26
Change Details.....	26
<b>Provision to restrict creation and effectivity update of Task from Tech Records Hub.....</b>	<b>28</b>
Background .....	28
Change Details.....	28
<b>Ability to display exception tiles for the book marked fleets .....</b>	<b>29</b>
Background .....	29
Change Details.....	29
<b>Ability to Defer the work units from the Fleet Overview screen .....</b>	<b>31</b>
Background .....	31
Change Details.....	31
<b>Sign Off Details Default in Task/Discrepancy pop up in Work Reporting Hub ...</b>	<b>32</b>
Background .....	32
Change Details.....	32
<b>WHAT'S NEW IN AIRCRAFT MAINTENANCE EXECUTION? ...</b>	<b>35</b>
<b>Ability to retain the same Material Request # for Tasks &amp; Discrepancies when Exe. Work Center is changed .....</b>	<b>35</b>
Background .....	35
Change Details.....	35
<b>WHAT'S NEW IN AME &amp; SHOP WORK ORDER? .....</b>	<b>37</b>
<b>Ability to validate for empty mandatory position(s) upon Package &amp; Work Order closure .....</b>	<b>37</b>
Background .....	37
Change Details.....	37
<b>WHAT'S NEW IN COMPONENT MAINTENANCE PROGRAM?</b>	<b>38</b>
<b>Ability to Inherit Part Program changes to Component Maintenance Program</b>	<b>38</b>
Background .....	38

# contents

Change Details.....	38
<b>Inheritance on Part # change.....</b>	<b>40</b>
Background .....	40
Change Details.....	40
<b>WHAT'S NEW IN ENGINEERING DOCUMENT? .....</b>	<b>41</b>
<b>Effectivity update for Eng. Doc tasks and additional validations for Future</b>	
<b>Dated Eng. Docs .....</b>	<b>41</b>
Background .....	41
Change Details.....	41
<b>WHAT'S NEW IN COMPLIANCE TRACKING &amp; CONTROL? ...</b>	<b>43</b>
<b>Provision to display Prog. Status in IMPUC screen .....</b>	<b>43</b>
Background .....	43
Change Details.....	43
<b>Ability to validate the escalation value beyond the positive tolerance limit.....</b>	<b>44</b>
Background .....	44
Change Details.....	44
<b>WHAT'S NEW IN FLIGHT LOG? .....</b>	<b>46</b>
<b>Ability to upload documents against a Journey Log .....</b>	<b>46</b>
Background .....	46
Change Details.....	46
<b>Ability to Auto-Issue Tools when reporting Resource Actuals.....</b>	<b>47</b>
Background .....	47
Change Details.....	47
<b>Ability to Auto-Return Tools during Task/Discrepancy Closure .....</b>	<b>48</b>
Background .....	48
Change Details.....	48
<b>Ability to restrict a lower value (than existing value) for a Parameter as New mode entry in Journey Log .....</b>	<b>49</b>
Background .....	49
Change Details.....	49

# contents

## **WHAT'S NEW IN SHOP WORK ORDER?..... 51**

### **Ability to manage shop transactions in local time zone ..... 51**

Background ..... 51

Change Details..... 51

### **Ability to Pre-Close the planned tasks in Shop Work Order..... 53**

Background ..... 53

Change Details..... 53

### **Ability to manage Part Data Change in shop work order ..... 54**

Background ..... 54

Change Details..... 54

### **Additional Regulatory Certificates..... 55**

Background ..... 55

Change Details..... 55

### **Ability to view Partially Released Work Orders inside the Review Work**

### **Execution screen ..... 57**

Background ..... 57

Change Details..... 57

## **WHAT'S NEW IN MAINTENANCE TASK? ..... 58**

### **Ability to set a default value for Operations Type when searching for a task .... 58**

Background ..... 58

Change Details..... 58

## **WHAT'S NEW IN AIRCRAFT MAINTENANCE PROGRAM? .... 60**

### **Provision to View Parameter Values from TMCH screen ..... 60**

Background ..... 60

Change Details..... 60

## **WHAT'S NEW IN COMPONENT REPLACEMENT? ..... 61**

### **Ability to display the Task or Disc # along with the Package against which the Component is removed ..... 61**

Background ..... 61

Change Details..... 61

# contents

## **WHAT'S NEW IN AIRCRAFTMAINTENANCE PLANNING? ..... 62**

**Ability to retain the same Material Request # for Tasks/Discrepancies across**

**Planned Date changes ..... 62**

Background ..... 62

Change Details..... 62

## **WHAT'S NEW IN COMPONENT MAINTENANCE PLANNING?64**

**Retrieve Work Requested information in Route Unserviceable Components /**

**Parts screen..... 64**

Background ..... 64

Change Details..... 64

## **WHAT'S NEW IN QUALITY AUDIT ..... 69**

**Ability to track the changes done to Action By Date in Quality Audit Report .... 69**

Background ..... 69

Change Details..... 69

## **WHAT'S NEW IN ePUBS? ..... 70**

**Ability to generate Work Actuals Report in AME and SWO ..... 70**

Background ..... 70

Change Details..... 70

## WHAT'S NEW IN AME Hub?

### Ability to view Package Description in the Work Reporting Hub & Help on Package

Reference: AHBG-23243

#### Background

Typically, the maintenance planners plan packages and provide appropriate description for them. These descriptions are provided in such a way that the maintenance engineers derive fairly good idea of what the package intends to accomplish upon execution. However, this information to be pertinent must be made available to engineers/mechanics at the actual time and place of work execution and reporting.

#### Change Details

Now, a new card **Description** for the execution package has been added in the **Work Reporting Hub** screen. Further, the permitted values for the existing process parameter '*Document Info cards display order in the Work Reporting Hub?*' that determines the display order of the third to the eleventh cards in the **Work Reporting Hub** page has been changed to **3-Customer, 4-Object, 5-ImpDates, 6-Reference, 7-Material, 8-Flight, 9-Cost, 10-Parameter, 11-Description**. This has been done in order to include the **Description** card in the display order in the **Work Reporting Hub** screen. (The first two tiles Package Dates and Work Progress cards are system-placed and hence their display order cannot be changed by users.)

Additionally, as part of this enhancement, **Package Description** has been added to the **Execution Ref # Details** multiline in the **Help on Execution Ref. #** page.



Exhibit 1: The Work Reporting Hub page

Work Reporting Hub

I want to ☐ Create ☒ Work on Aircraft Maint. Exe. # 789900042873 Go Reporting Date Time

Package Type Visit Package Aircraft Reg # AC-STE-01 Work Center # 185-20 Complete Due List Maint. Events Quick Links Print

Document Info

Material Info (Pending / Total)  
Request 8 / 17  
Issue 8 / 9  
Replace 0 / 0  
Return 0 / 0  
Parts Hub

Reference Info  
Log Ref#  
Station AIR  
Exe. Category 1-Repair  
CAPEX Prop. #  
AOG Priority

Important Dates  
Hangar-In Date Jul 30 2016  
Hangar-Out Date Jul 30 2016  
Proj. Compl. Date

Object Info  
A/C Model # A320  
A/C MSN AC-STE-01MFG  
Last JLog #  
Next Due In -364 Days  
Due Items 2 Overdue Item(s)

Description  
Left wing full check- with repair and replacement of damaged components

Task Discrepancy

10 ALL 0 My Clock Running 0 All Clock Running 10 Work on Hold 7 Estimation Required

[No records to display]

#	Error	CS	WS	Seq	Task #	ATA #	Description	Add New Execution Comments	Previous Execution Comments
1									

Start Clock Stop Clock Reset Save Complete Report Discrep. Task Action Hold Release

Request Part Change Part Sign Off Subtasks Quick Links

The new card that provides description of the package

Exhibit 2: The Help on Execution Ref # page

Help on Execution Ref #

Date Format dd-mm-yyyy hh:mm:ss am/pm

Search Criteria

Execution Ref. # Visit Package Doc. Category Station Task # Discrepancy # Discrepancy Description

Task Status Planned & In-Progress Aircraft Reg # Work Center # Task Description Log Item # Journey Log #

Additional Search Criteria

Aircraft Model # Planned Start Date From Operations Type Work Area Task Category Task Type Exec. Phase Zone

Search

Execution Ref # Details

#	Execution Ref. #	Package Description	Package Type	Aircraft Reg. #	Seq #	Task #	Task Description
1	789900042873	Left wing full check- with repair and	Visit Package	AC-STE-01	1	ME/LOG-1.1	Maintenance Event : Bird Hit
2	789900042873	Left wing full check- with repair and	Visit Package	AC-STE-01	2	ME/Log-1	Maintenance Event : Bird Hit

The new 'Package Description' column

## Ability to modify description & ATA # of Non Standard Tasks and Discrepancies

Reference: AHBG-23245

### Background

Currently, description and ATA # once recorded for non-standard tasks and discrepancies cannot be updated in **Aircraft Maintenance Execution** and **Shop Work Order** business components. In case of incorrect entries, the users are forced to cancel the tasks/discrepancies and then create task/discrepancy records afresh with the correct description and ATA #. This becomes tedious for users and hence a provision to modify description and ATA # is required to simplify the editing process for non-standard tasks and discrepancies.

### Change Details

Now, the users can modify the description and ATA # of non-standard tasks and discrepancies in the following screens based on the definition of the new process parameter 'Allow modification of Description & ATA # of open Non Routines?' defined in the **Define Process Entities** activity of **Common Master**.

- The **Plan Work Order** and **Record Shop Execution Details** screens in **Shop Work Order**
- The **Work Reporting Hub** screen in **AME Hub**
- The **E-Log** screen and **Discrepancy Card** in **MechanicAnywhere**

Process parameter	Entity Type	Entity	Value	Impact: The system
Allow modification of Description & ATA # of open Non Routines?	Package Type	All User Defined values including Log Card but excluding "--All Packages--"	0	Does not allow changes in Description and ATA # of Non-standard tasks and discrepancies against aircraft
			1	Allows changes in Description and ATA #, if the non-standard tasks and discrepancies against aircraft have not yet been signed off
			2	Allows changes in Description and ATA # of non-standard tasks and discrepancies against aircraft
Allow modification of Description & ATA # of open Non Routines?	Shop Work Order Type	All Work Order Types	0	Does not allow changes in Description and ATA # of non-standard tasks and discrepancies against component
			1	Allows changes in Description and ATA #, if the non-standard tasks and discrepancies against components have not yet been signed off
			2	Allows changes in Description and ATA # of non-standard tasks and discrepancies against component

Exhibit 1: The Work Reporting Hub screen

The screenshot displays the 'Work Reporting Hub' interface. At the top, there's a header with 'I want to' options (Create, Work on), a search bar for 'Aircraft Maint. Exe. #', and a 'Go' button. Below this, the 'VP-010329-2018' document is shown with 'In-Progress' status. The interface includes a 'Document Info' sidebar on the left and a main 'Task' section. The 'Task' section has a 'Discrepancy' tab and a 'View' dropdown set to 'Simple'. A table with columns '#', 'Error', 'CS', 'WS', 'Seq', 'Task #', 'ATA # P', 'Description', 'Add New Execution Comments', and 'Previous Execution Comments' is displayed. The 'ATA # P' column is highlighted with a red box, and a yellow callout box points to it with the text 'Modification of fields depends on process parameter'. The bottom of the screen features a 'Start Clock' button, a 'Start' button, a 'Reset' button, a 'Save' button, a 'Complete' dropdown, and a 'Quick Links' section with buttons for 'Report Discrep.', 'Task Action', 'Hold', and 'Release'.

Work Reporting Hub

I want to ☐ Create ☒ Work on Aircraft Maint. Exe. # VP-010329-2018 Go Reporting Date Time FH 0.00 HRS FC 0.00 CYC

VP-010329-2018 Package Type Aircraft Reg # Work Center #  
In-Progress Line Package vt-eso 185-20 Complete Due List Maint. Events Quick Links Print

Document Info

Task Discrepancy

5 ALL 0 My Clock Running 0 All Clock Running 0 Work on Hold 0 Estimation Required View: Simple Detail

[No records to display]

#	Error	CS	WS	Seq	Task #	ATA # P	Description	Add New Execution Comments	Previous Execution Comments
1									

Modification of fields depends on process parameter

Start Clock Start Clock Reset Save Complete Report Discrep. Task Action Hold Release

Request Part Change Part Sign Off Subtasks Quick Links

## Controlled MMD Printing in Parts Hub

Reference: 23113

### Background

Currently, the users can generate / print MMD for part issues against material requests only before confirming stock issue, recording AME details or planning material. However, ability to print MMD from **Parts Hub** is required to enable generating/printing of MMD straightaway without navigating to other components.

### Change Details

As part of this enhancement, new quick action button **Print MMD** has been added in the **Parts Hub** page to enable the printing of MMD for issues against material requests. However, this button works only if an issue is available against the chosen material request.

#### Exhibit 1: The Parts Hub screen

The screenshot displays the 'Parts Hub' interface. At the top, there's a header with 'Parts Hub' and a search bar. Below this, a section titled 'Part Requirements / Request' shows a table with columns: #, Error, MS, AVL, Source Task/Discrep. #, Seq #, Tracking #, Part #, Required Qty, Qty. Available, UOM, Priority, Stock Status, Warehouse #, and Part Description. The table contains two rows of data. A yellow callout box points to a new button labeled 'Print MMD' located in the bottom right corner of the screen, near the 'Request Part' button. The callout text reads: 'New button for printing MMD'.

## Work Reporting Hub Task & Discrepancy Multiline Changes

*Reference: AHBG-17369, AHBG-17707, AHBG-17216*

### Background

During aircraft maintenance, the maintenance engineers may stop the ongoing tasks/discrepancies to be continued and completed later. In such cases, a provision is required to exhort the engineer to provide the reasons/clarification for stopping the clock for the task/discrepancy. Such data could prove to be critical reference for future maintenance.

Similarly, engineers may want to modify the previous execution comments recorded for the tasks/discrepancies in order to correct errors/update information. However, in this process of modification, an engineer could end up modifying execution comments recorded by another engineer. Hence, a provision to allow modification of the previous comments for a task/discrepancy made only by the login users themselves must be available in the system.

Next, a provision to enforce entry of sign off comments by the mechanics/inspectors against every corrective action for a discrepancy is required in the system. The sign off comments could be used by mechanics/inspectors to convey additional information on resolution of discrepancies.

### Change Details

#### Mandating New Execution Comments against tasks/discrepancies

New process parameters have been added under the entity type **Package Type** and the entity **Log Card** in the **Define Process Parameters** activity of **Common Master** to mandate the entry of execution comments and modification of last execution comments for task/discrepancies

Process Parameter: Mandate New Execution Comments for Tasks during Stop Clock in the Work Reporting Hub?	
Value	Impact on Add New Comments column in the Task tab / Manage Discrepancy Popup / Task Actions Popup of Work Reporting Hub
0 / No	The <b>Add New Execution Comments</b> field is not mandatory for the stopping of the clock for task/discrepancy.
1/Yes	<p>The <b>Add New Execution Comments</b> field is mandatory for the stopping of the clock for task/discrepancy.</p> <p>However, this process parameter works in conjunction with the following two existing process parameters when they are set as 1 (Yes):</p> <ul style="list-style-type: none"> <li>• <b>Automatically stop login user's running clock during Completion/Closure/Pre-Closure of Task?</b></li> <li>• <b>Automatically stop login user's running clock during Closure/Deferral/Transfer of Discrepancy?</b></li> </ul> <p>This implies the users will be required to provide execution comments on stopping of clock automatically by the system against Completion/Closure/Pre-Closure of task or Closure/Deferral/Transfer of discrepancy.</p> <p>Note that automatic Completion/Closure/Pre-Closure of task or Closure/Deferral/Transfer of discrepancy occurs only if the above-listed process parameters are set as 1 / Yes.</p>

**Exhibit 1: The Task tab in Work Reporting Hub**

The screenshot displays the 'Work Reporting Hub' interface. At the top, there's a navigation bar with 'Work Reporting Hub' and various filters like 'Aircraft Maint. Exe. #', 'Reporting Date Time', and 'FH'. Below this, there are sections for 'Document Info', 'Work Progress', 'Description', 'Parameter Info', and 'Cost Info'. The 'Task' tab is selected, showing a table of tasks with columns for #, Error, CS, HST, Seq, Task #, ATA #, Description, Add New Execution Comments, and Previous Execution Comments. A yellow callout box points to the 'Previous Execution Comments' column with the text: 'This field can be made mandatory on the basis of process parameter.'

**Allowing changes in Previous Execution Comments against tasks/discrepancies**

Process Parameter: Allow modification of Previous Execution Comments in the Work Reporting Hub?	
Value	Impact on Previous Execution Comments column in the Task tab / Task Actions popup of Work Reporting Hub
0/ Not Allowed	The users cannot modify any <b>Previous Execution Comments</b> for task/discrepancy.
1/ Only Login User's Comments	The users can modify any <b>Previous Execution Comments</b> for task/discrepancy that they have themselves recorded them.
2/Allowed	The users can modify <b>Previous Execution Comments</b> for task/discrepancy.

## Exhibit 2: The Task Actions popup Work Reporting Hub

The screenshot displays the 'Work Reporting Hub' interface. At the top, there's a header with 'Work Reporting Hub' and a search bar containing '789900042873'. Below this, a 'Document Info' section shows details like 'Material Info (Pending / Total)', 'Reference Info', 'Important Dates', 'Object Info', and 'Description'. The 'Task' tab is active, showing a table with columns for '#', 'Error', 'CS', 'WS', 'Seq', 'Task #', 'ATA #', 'Description', 'Add New Execution Comments', and 'Previous Execution Comments'. A yellow callout box points to the 'Previous Execution Comments' column with the text: 'You can modify previous comments based on process parameter'. The interface also includes various buttons like 'Start Clock', 'Stop Clock', 'Reset', 'Save', 'Complete', 'Report Discrep.', 'Task Action', 'Hold', and 'Release'.

## Enforcing entry of Sign Off Comments against task/discrepancy

Process Parameter: Mandate Sign Off Comments during Mechanic / Inspector Sign Off?		
Impacted Screens	Value	Behaviour
The <b>Add New Sign Off Comments</b> column in the <b>Task / Discrepancy</b> tab of <b>Work Reporting Hub</b>	0 / No	The column / field is not mandatory for the signing off the task / discrepancy by Mechanic / Inspector.
	1 / Yes	The column / field is mandatory for the signing off the task / discrepancy by Mechanic / Inspector
The <b>New Comments</b> field in the <b>Sign Off Comments</b> section in the <b>Task Actions / Discrepancy Actions</b> popup	0 / No	The column / field is not mandatory for the signing off the task / discrepancy by Mechanic / Inspector.
	1 / Yes	The column / field is mandatory for the signing off the task / discrepancy by Mechanic / Inspector
The <b>Sign-Off Comments</b> column in the <b>Task Sign-Off Details</b> multiline in the <b>Record Sign Off &amp; Work Completion</b> page in the <b>Record AME Details</b> activity	0 / No	The column / field is not mandatory for the signing off the task / discrepancy by Mechanic / Inspector.
	1 / Yes	The column / field is mandatory for the signing off the task / discrepancy by Mechanic / Inspector



**Exhibit 3: The Task Actions popup Work Reporting Hub**

**Task Actions**

Task # 789900045554 Status In-Progress Description Fyhcry

Actual Date & Time Execution Comments

New Comments

#	Exec. Comment	Added By	Added Date & Time
1	Exec comm	S, DOMINIC	30-07-2016 03:42:55 PM

**Sign Off Details**

Sign Off Requirement

☒ Mechanic 00041383 S, DOMINIC

☒ Inspector 00041383 S, DOMINIC

☐ RII

Additional

**Sign Off Comments**

New Comments

Prev. Comments

**Enforcing entry of Repair Classification for discrepancies**

New process parameter **Mandate Repair Classification for Discrepancies during Maintenance Execution?** has been added under the entity type **Package Type** and the entity **All Packages**; to decide whether the **Repair Classification** attribute for a discrepancy is mandatory at the time of creation in the **Manage Discrepancy** popup in **Work Reporting Hub**.

Process Parameter: Mandate Repair Classification for Discrepancies during Maintenance Execution?	
Value	Impact on the Repair Classification field in the Manage Discrepancy popup of Work Reporting Hub and in the Discrepancy tab of Record AME Details activity
0 / No	The <b>Repair Classification</b> field is not mandatory for the creation of a discrepancy in the <b>Manage Discrepancy</b> popup
1 / Yes	The <b>Repair Classification</b> field is mandatory for the creation of a discrepancy in the <b>Manage Discrepancy</b> popup

**Exhibit 4: The Manage Discrepancy popup in Work Reporting Hub**

**Manage Discrepancy**

Source Task/Discrep. # Type: HIREP Source Desc. Log Item # ATA #

Reported By: 00041383 Reported Date Reported Time

Description

**More Info**

Parts Required? Category

Corrosion Related? Repair Class. Major Item? Repeat? No

Work Area # Exec. Category

**Action**

## Ability to Mandate Execution Comments before Task Sign Off/Completion/Closure

Reference: AHBG-21014

### Background

Presently, **Execution Comments** is not a prerequisite for task sign off or compliance. The system allows users to sign off a task without even a single Execution Comments being recorded against the task. However, Execution Comments may be critical in certain aircraft maintenance scenarios and hence a provision to mandate **Execution Comments** during task sign off or completion or closure is required.

### Change Details

Now, based on two new process parameters - "Allow Task sign off without any Execution Comments?" and "Allow completion/closure of Tasks without any Execution Comments?" defined under Entity type Package Type and Entity 'Log Card' and all user-defined entities in the **Define Process Entities** activity of **Common Master**, the system will not allow task sign off and compliance without any Execution Comments. The below table illustrates the functions of the process parameters.

Process Parameter	Value	Impact
Allow Task sign off without any Execution Comments?	1/Allowed	Allows Sign Off against a task even if the user has not provided <b>Execution Comments</b> and if <b>Default Exec. Comments</b> has not been defined against the task in <b>Maintenance Task</b> .
	0/Not Allowed	Allows Sign Off against a task only if the user has provided <b>Execution Comments</b> or if <b>Default Exec. Comments</b> has been defined against the task in <b>Maintenance Task</b> .
Allow completion/closure of Tasks without any Execution Comments?	1/Allowed	Allows to change the status of the task to Completed or Closed even without <b>Execution Comments</b> and if <b>Default Exec. Comments</b> has not been defined against the task in <b>Maintenance Task</b> .
	0/Not Allowed	Allows to change status of the task to Completed or Closed only if the user has provided <b>Execution Comments</b> or if <b>Default Exec. Comments</b> has been defined against the task in <b>Maintenance Task</b> .

Execution Comments for task sign off/compliance will become mandatory based on the above explained process parameters in the following screens:

- Record Aircraft Maintenance Execution Details
- Record Sign-Off & Work Completion
- Work Reporting Hub
- MechanicAnywhere

## Ability to Default Search Toggle in Aircraft Execution Hub if no clock is currently running for the Package

Reference: AHBG-20305

### Background

The **Work Reporting** hub provides three modes for retrieval of tasks/discrepancies: Status, Exception and Search. However, a provision to activate the Search Mode in the **Work Reporting Hub** screen automatically on selection of a package would cater to aircraft maintenance engineers/ mechanics who commonly retrieve / work / process tasks/discrepancies depending on specific criteria.

### Change Details

To facilitate the activation of the Search mode in the **Work Reporting Hub** screen automatically upon the selection of the package by the user, new process parameter 'Show Search Mode by default on launch of the Work Reporting Hub?' under the entity type 'Package Type' and the entity 'Log Card' and 'All User-Defined Package Types' has been added in the Define Process Entities activity of Common Master.

If the retrieved package is of the type Log Card or any other package type for which the said process parameter is defined as 1 or 2, the Search mode in the **Work Reporting Hub** screen gets defaulted as explained here.


Process Parameter value	Impact upon selection of a package and click of the Go pushbutton in the Work Reporting hub screen
2	The Search mode appears automatically at all times
1	The Search mode appears only if currently no clock is running for any of the tasks/discrepancies in the package.
0	The Search mode appears only on the intervention of the user, meaning on click of the  (search) icon.

Exhibit 1: The Work Reporting Hub screen

**Work Reporting Hub**

I want to [Create](#) [Work on](#) [Aircraft Maint. Exe. #](#)  [Go](#) [Reporting Date Time](#)  [FH](#) [HRS](#) [FC](#) [CYC](#)

**VP-001409-2017** [In-Progress](#) [Package Type](#) [Line Package](#) [Aircraft Reg #](#)  [Customer Name](#)  [Work Center #](#)  [Complete](#) [Due List](#) [Maint. Events](#) [Quick Links](#) [Print](#)

**Document Info**

[Task](#) [Discrepancy](#)

[Go](#) [View : Simple](#) [Detail](#)

**Additional Search**

#	Error	CS	MS	Seq	Task #	ATA #	Description	Execution	Status	Source Task/Discrep. #	Source Tracking #
1				1	1-8737-0500-Othe-	05-00	Test Inspection-1		In-Progress		
2											

[Start Clock](#) [Stop Clock](#) [Reset](#) [Save](#) [Complete](#) [Report Discrep.](#) [Task Action](#) [Hold](#) [Release](#)

[Request Part](#) [Change Part](#) [Sign Off Subtasks](#) [Quick Links](#)

The Search mode opens on click of the **Go** pushbutton based on new process parameter.

## Ability to enforce Need Date for Material Requests in Parts Hub

Reference: AHBG-21982

### Background

The need date for aircraft parts in the **Material Request** document is a key detail that governs material planning and procurement. However, the need date in the **Parts Hub** of **Aircraft Maintenance Hub** is not mandatory and hence users tend to not specify this field. On absence of user entry, the system defaults the requested date as the need date. The requested date may not be the appropriate need date and further, this result in the piling of material requests on a specific day. A provision to mandate need date is required to ensure availability on the date the part is actually needed for maintenance.

### Change Details

Now, the process parameter 'Enforce Need Date for Material Requests in Parts Hub' under In the entity type Package Type and the entity Log Cards and User Defined Values in the **Define Process Entities** activity of **Common Master** has been added to mandate need date for part requirements / material requests generated from the **Parts Hub**.

If the process parameter is defined as '1' / 'Yes', it becomes mandatory for the users to specify the **Need Date** field for the part in the **Part Requirements / Request** tab of **Parts Hub**. However, if the process parameter is set as '0'/'No', the users are not required to enter the need date for a part and the system defaults the **Need Date** field to the requested date, if the users do not provide the need date.

### Exhibit 1: The Part Requirements / Request tab of Parts Hub

The screenshot displays the 'Parts Hub' interface, specifically the 'Part Requirements / Request' tab. The interface features a search bar at the top, followed by a table with columns: #, Error, MS, AVL, Source Task/Discrep. #, Seq #, Tracking #, Part #, Required Qty, UOM, Priority, Stock Status, Warehouse #, Part Description, Need Date, and Material Request #. A yellow callout box points to the 'Need Date' column header, stating: 'Need Date is mandatory, if the new process parameter is set as '1'.' Below the table, there are buttons for 'Save Part Requirement', 'Request Part', and 'Check Part Avl', along with a 'Quick Links' dropdown.



*Note: The AME Hub features involve commercials and are not available for all customers. Please contact your Ramco Account Manager*

## WHAT'S NEW IN TECHNICAL RECORDS?

### Ability to manage Component Replacement from Tech Records Hub

Reference: AHBG-21483

#### Background

In **Tech Records**, currently, the system allows attachment of components though no provision exists for component replacement transactions. However, a provision to perform replacement and removal of components in addition to attachment is needed to make the **Tech Records** hub a one-stop shop for technical staff.

#### Change Details

In order to enable the users to execute component replacements, the following fields have been added in the **Configuration Details** multiline of the **Configuration** tab of **Manage Aircraft / Component Records** screen in **Technical Records**:

- **Removed Condition (drop-down list box)**
- **Removal Type (drop-down list box)**
- **Reason # (Help Enabled)**
- **Removal Date & Time**

Previously, the **Replacement Type** field drop-down list box loaded the lone **Attachment Only** option. Now, in order to facilitate removal and replacement of components, the following options have been added to the **Replacement Type** drop-down list box.

- **Removal Only**
- **Replacement Only**

**Derivation of Replacement Type by system:** However, if users do not specify the replacement type, the system derives the replacement type of the CR transaction as illustrated in the table next.

Scenario	Replacement Type automatically set by the system when not specified by user
If Component is not attached to the position code, and the user has provided Installed MSN or Installed Serial #	Attachment Only
If Component is attached to the position code, and the user has provided Installed MSN or Installed Serial #	Replacement Only
If Component is attached to the position code, and the user has provided values provided value for any of the following fields: Removed Condition Removal Type	Remove Only

Scenario	Replacement Type automatically set by the system when not specified by user
Reason # Removal Date & Time	

**Numbering Type for CR transactions:** Next, The process parameter “Default numbering type for Component Replacement in 'Manage Aircraft / Component Records' screen” has been added under the entity type **Tech Records Process Ctrl** and entity **Manage Technical Records** in the **Define Process Entities** activity of **Common Master**. It is mandatory for the users to define a valid and Active numbering type for the said parameter in order to be able to create component replacements in the **Manage Aircraft / Component Records** activity of **Technical Records**.

**Exhibit 1: The Manage Aircraft / Component Records screen**

The screenshot displays the 'Manage Aircraft / Component Records' screen. The top navigation bar shows 'Aircraft Reg # 101', 'Aircraft Model # A310', 'Mfr. Serial # SR101', and 'Aircraft Status Active'. The main configuration area includes tabs for 'Configuration', 'Program', 'Parameter', and 'Compliance'. The 'Configuration' tab is active, showing 'Configuration Status: Draft', 'Assembly Status: Complete', and 'Revision # 3'. Below this, there are filters for 'Control Basis' (Part Effectivity) and 'Configuration Class' (AVEOS). A table with the following columns is shown: '#', 'Removed Condition', 'Removal Type', 'Reason #', 'Removal Date & Time', 'Induction Date', 'Manufactured Date', and 'Ownership'. A yellow callout points to the 'Reason #' and 'Removal Date & Time' columns, stating 'New fields representing the CR transactions'. The table has two rows of data. The bottom navigation bar includes buttons for 'Save Draft', 'Build / Update', 'Approve', and 'Cancel'.

## Ability to update Parameter Values from the Parameter tab of Tech Records Hub

Reference: AHBG-22811

### Background

Currently, the users can only view parameter values for aircraft and components in the **Technical Records** hub. However, the ability to also record/update parameter values from the **Technical Records** hub will enable speedy maintenance of parameters without having to navigate to other components.

### Change Details

The following changes have been made in the **Parameter** tab of the **Manage Aircraft / Component Records** activity of **Technical Records** to enable update of parameter values:

- A **Search box** has been provided for users to retrieve parameters based on parameter type (Consumption, Range, Attribute and Technical)
- The following new input fields have been added in the multiline to record the current parameter values after maintenance events
  - **Since New** to record the cumulative parameter value since the aircraft/component was inducted into operations
  - **Since Overhaul** to record the cumulative parameter value since the component was last overhauled
  - **Since Repair** to record the cumulative parameter value since the component was last visit to repair shop
  - **Since Insp.** to record the cumulative parameter value since the component since last inspection
  - **Since Last Shop Visit** to record the cumulative parameter value since the component was last work center visit
  - **Update Date & Time** to record the date on and time at which the parameter value was updated.
  - **Remarks** to record additional details that necessitated the parameter value update
- New group box **Default Details** has been added with the following input fields. The users can specify these fields collectively for all the parameter records saving their time and effort.
  - Update Date & Time
  - Remarks
  - Update Option (New, Delta, Correction and Re-Initialize)
- Two new buttons **Validate** and **Update Parameter Values** provided for ratifying the specified parameter details and then saving them
- Two new links **View Aircraft Parameter History** and **View Component Parameter History** have been added to view the change history of parameters



### Exhibit 1: The changes in the **Parameter** tab of the **Manage Aircraft / Component Records** screen in **Technical Records**

The screenshot displays the 'Manage Aircraft / Component Records' interface with the 'Parameter' tab selected. The interface includes a search bar, a table of parameters, and a 'Default Details' section at the bottom. Callouts highlight specific enhancements:

- New fields to record parameter values of aircraft/component:** A yellow callout points to the table columns: 'Since New', 'Since Overhaul', 'Since Repair', 'Since Insp.', 'Since Last Shop Visit', 'Update Date & Time', and 'Remarks'.
- New links:** A yellow callout points to the 'View Component Parameter Value' and 'View Aircraft Parameter History' links in the 'View Links' section.
- New buttons:** A yellow callout points to the 'Validate' and 'Update Parameter Values' buttons in the 'Default Details' section.

#	Parameter	UOM	Since New	Since Overhaul	Since Repair	Since Insp.	Since Last Shop Visit	Update Date & Time	Remarks
1	FC	CYC							
2	FH	HRS							
3	PV13	EA							
4	PV14	EA							
5	PV15	EA							
6	PV16	EA							
7	PV17	EA							
8	PV18	EA							
9									

**Default Details**

Update Date & Time: 2018-May-23 11:21:21

Update Option: [Dropdown]

**Edit Links**

- Edit Consumption & Range Parameters for Aircraft
- Edit Consumption & Range Parameters for Component
- Edit Consumption & Range Parameters for Part

**View Links**

- View Aircraft Parameter Value
- View Component Parameter Value
- View Aircraft Parameter History
- View Component Parameter History

**Buttons:** Validate, Update Parameter Values

## Ability to upload documents from Tech Records Hub

Reference: AHBG-21431

### Background

A provision is necessary to upload and view files associated with aircraft / component inducted from the **Technical Records** hub.

### Change Details

Two links **Upload Documents** and **View Associated Doc. Attachments** to upload files associated with aircraft / component have been added in the **Manage Aircraft / Component Records** activity in **Technical Records** as follows:

#### Configuration tab

##### - Addl. Links Section

- Upload Documents

##### - View Links Section

- View Associated Doc. Attachments

#### Program tab

##### - Aircraft Links Section

- Upload Documents
- View Associated Doc. Attachments

##### - Component Links Section

- Upload Documents
- View Associated Doc. Attachments

#### Compliance tab

##### - View Links Section

- View Associated Doc. Attachments



*Note: The **View Associated Doc. Attachments** link will be available only in the View screen mode (if the user has selected the View radio button at the top of the screen).*

Exhibit 1: New links in the **Manage Aircraft / Component Records** screen

The screenshot displays the 'Manage Aircraft / Component Records' interface. The top navigation bar includes 'Manage' and 'View' tabs, with 'Aircraft' selected. The main header shows 'Aircraft Reg # VE-AT-2', 'Aircraft Model # CESSNA 173', 'Mfr. Serial # 101', 'Aircraft Status Active', and 'Ownership Owned'. Below this, the 'Configuration' tab is active, showing details for 'Configuration Status Active', 'Assembly Status Complete', 'Revision # 1', 'Control Basis Part Effectivity', 'Configuration Class ABC', 'Part # ALT-2 : Alternate for SEC', 'Serial # S-1', 'Component # C006452-2016', and 'Position P1'. A table below these details shows two rows of configuration data. At the bottom, the 'Links' section is expanded, showing a list of links. Two new links are highlighted with red boxes and yellow callouts: 'Upload Documents' and 'View Associated Doc, Attachments'.

#	ERR	Message	Seq #	Level Code	Position Code	Position Code Status	Position Part #	Position Part Description	Installed Part #	Installed MSN #
1			4	1.4	P1	Active	ALT-2	Alternate for SEC	ALT-2	
2						Active				

**Links**

- [AddL Links](#)
- [Edit Consumption & Range Parameters](#)
- [Edit Technical & Attributes Parameters](#)
- [Edit Notes](#)
- [Maintain Maintenance Info. for Installed Part](#)
- [Request New Part](#)
- [Record Part # / Serial # Change](#)
- [Upload Documents](#) (New link)
- [View Links](#)
- [View Position Part Info.](#)
- [View Minimum Equipment List](#)
- [View Configuration Deviation List](#)
- [View Associated Doc, Attachments](#) (New link)
- [View Installed Part Info.](#)
- [View File](#)



Note: The above Technical Records Hub feature involve commercials and are not available for all customers. Please contact your Ramco Account Manager

## Provision to restrict creation and effectivity update of Task from Tech Records Hub

Reference: AHBG-21693

### Background

In **Tech Records**, the users can create parts and tasks. They can also define and update task and part effectivity. However, in some MRO organizations, the **Technical records** personnel are not permitted to create/manage task and their effectivity. Hence, a provision to allow / disallow creation and maintenance of tasks and effectivity based on organization policy is required to be built into the Ramco Aviation system.

### Change Details

In order to allow /disallow creation and maintenance of tasks and effectivity definition by users in the **Program** tab of the **Manage Aircraft / Component Records** screen, the following restraint has been provided:

- Login users who have access to the system activity:
  - **Create Task** can create tasks
  - **Update Effectivity** can update task effectivity

It is recommended that only those users mapped to the **Create Task** and **Update Effectivity** system activities select the **Create Task** and **Update Effectivity** check boxes in the **Program** tab.

### Exhibit 1: The Manage Aircraft / Component Records screen

The screenshot displays the 'Manage Aircraft / Component Records' interface. The 'Program' tab is selected, showing details for a specific aircraft (A310) and a task (MEAL T). The 'Program Status' is 'Active'. Below the details, there are checkboxes for 'Create Task' and 'Update Effectivity', which are highlighted with a red box. The 'Update' button is also visible. The interface includes a sidebar with a tree view of aircraft records and a main area with a table for task records. The table currently shows '[No records to display]'. At the bottom, there are buttons for 'Record / Update', 'Confirm', 'Return', 'Cancel', 'Activate', and 'Inactivate'.

## Ability to display exception tiles for the book marked fleets

Reference: AHBG-22504

### Background

In the **Fleet Overview screen**, currently all the aircraft records defined in the system are considered for search/retrieval based on exceptions. However, in real time, the users may want to find and work only with those aircraft that are associated with a specific geographical area or login user. Hence, a provision is required to retrieve aircraft records associated with a specific entity that would result in swift and precise data retrieval.

### Change Details

In the **Fleet Overview** screen of **Technical Record**, the following enhancement has been incorporated to enable the users to access/view/work with specific documents:

- Two radio buttons - **All** and **My Fleet** have been added at the top of the **Fleet Overview** screen to select the scope for search/retrieval and thus the quantum of documents. You can use radio buttons to retrieve and display only those documents that the login user wants to work with or view in the entire page. On selection of **All**, the system will take into consideration all the available aircraft in the organization unit for search / retrieval. However, the radio button **My Fleet** will limit the number of aircraft for search and display only those that are bookmarked to the login user.
- On selection of **All**, the **All** exception tile will be the default exception tile. The available tile cards will be **Escalation, Overdue, Error Position** and Open Package in addition to **All**.
- On selection of **My Fleet**, the My Fleet exception tile will be the default exception tile. The available tile cards will be **Escalation, Overdue, Error Position** and Open Package in addition to **My Fleet**.
- The tile cards will display count / retrieve documents on the basis of the radio button selected by the user. If the user has selected the **All** radio button, the coverage of retrieval by **All, Escalation, Overdue, Error Position and Open Package** tile cards will also be the entire aircraft fleet in the organization unit. Similarly, on selection of **My Fleet** radio button, you can restrain the retrieval of the fleet to the aircraft book marked to the login user alone.

**Exhibit 1: The additions in the Fleet Review screen**

Select the radio buttons to set up the aircraft coverage for data retrieval

My Fleet 11 Escalation 0 Overdue 0 Error Position 0 Open Package 0

Search On: Aircraft Reg #, Model #, MSN #, Aircraft Group Include Inactive Aircrafts Search + Create Aircraft Record

#			Model #	Aircraft Reg #	MSN	Condition	Aircraft Group	Latest JL	Trig. Param.
1			8767-200	1136	1136	Operational	1136		
2			737-800	1471	AI1471	Operational	1471		
3			737-800	1472	AI1472	Operational	1472		
4			737-800	1473	AI1473	Operational	1473		
5			737-800	1476	AI1476	Operational	1476		
6			737-800	1571	AI1571	Operational	1571		
7			737-800	1572	AI1572	Operational	1572		
8			737-800	1573	AI1573	Operational	1573		
9			737-800	199	MSVT199	Operational	199		

Next Due 0 Deferred Items 0 Found no rows to display!!!



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


## Ability to Defer the work units from the Fleet Overview screen

Reference: AHBG-22579

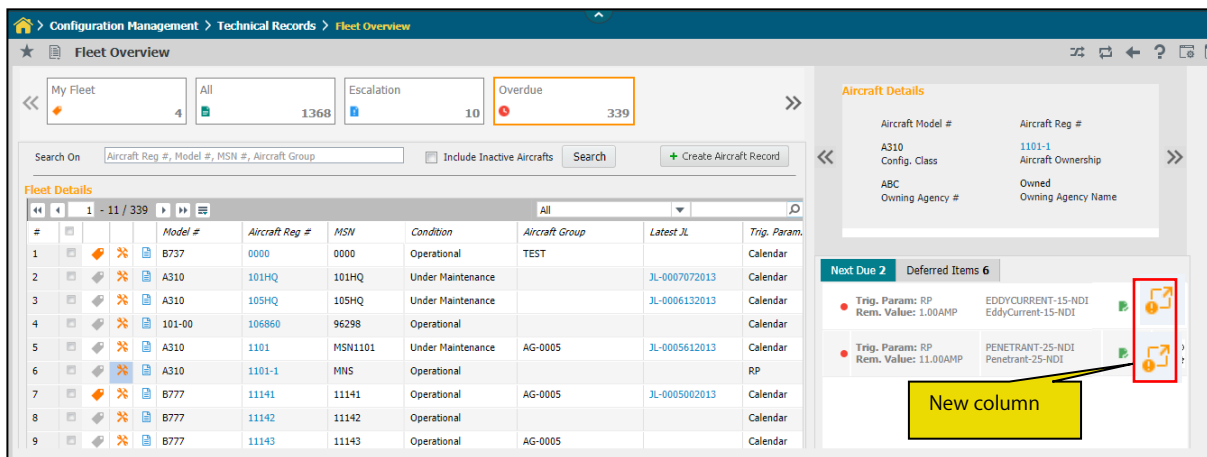
### Background

Typically, in Ramco Aviation, to create Short Term Escalation (STE) for a task, the users must visit the Aircraft Maintenance Planning component. However, the ability to request for STE for a task from Technical Records would prove to be beneficial for users in terms of navigation and access time.

### Change Details

New column with an image icon  that will actually be a link to the **Request Short Term Escalation** screen has been added in the **Next Due** tab of the **Fleet Overview** screen of **Technical Records**. However, the users can request for STE for aircraft tasks only if the flag 'Deferment Policy' in the aircraft maintenance program has been set as 'Allowed'. No such restriction exists for component tasks and the users can request for STE for component tasks from the **Fleet Overview** screen without any pre-conditions.

### Exhibit 1: The addition in the Fleet Overview screen



The screenshot displays the 'Fleet Overview' screen within the 'Technical Records' section. The interface includes a top navigation bar, a search bar, and a table of aircraft tasks. The 'Next Due' tab is active, showing a list of tasks with various details. A new column, highlighted by a yellow callout box labeled 'New column', contains an escalation icon (a square with a diagonal line and a small 'i' in the corner). This icon is a link to the 'Request Short Term Escalation' screen. The table lists tasks with columns for Model #, Aircraft Reg #, MSN, Condition, Aircraft Group, Latest JL, and Trig. Param. The 'Next Due' tab also shows a 'Deferred Items' section with a list of tasks and their parameters.



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

## Sign Off Details Default in Task/Discrepancy pop up in Work Reporting Hub

Reference: AHBG-11503

### Background

In aircraft maintenance, signing off tasks / discrepancies is one of the most frequent and crucial tasks. Hence, a provision is required in **Ramco Aviation** to simplify the repeated process of sign off on completion / close of task / discrepancy.

### Change Details

The process parameter **Default Sign Off Details in the Task/Discrepancy Action popup in the Work Reporting Hub?** under the entity type **Package Type** and the entity **Log Cards** and **User Defined Package Types** in the **Define Process Entities** activity of **Common Master** has been added to expedite the sign off process in the **Work Reporting Hub** screen.

If the process parameter is set as 1/Yes, the system will validate for the following and then default the employee code of the login user in the Mechanic / Inspector fields of the **Task Actions / Discrepancy Actions** pop up:

- The sign off status must be **pending**
- The login user must belong to **the respective** resource group with the necessary skills

The above default behavior also works on selection of corrective action in the **Discrepancy Actions** popup.

Process Parameter value	Sign Off Status	Default behavior of the Mechanic / Inspector field in Task Actions / Discrepancy Actions pop up or on selection of Corrective Action in Discrepancy Action pop up
1 / Yes	'Pending Mechanic' or 'Pending Mech & Insp'	Displays login user employee code in the Mechanic field, if the login user belongs to the "Mechanic" or "Mechanic & Inspector" resource group and has skills required for signing off the task/discrepancy as Mechanic.
	'Pending Inspector' or 'Pending Mech & Insp'	Displays login user employee code in the Inspector field, if the login user belongs to the "Mechanic" or "Mechanic & Inspector" resource group and has skills required for signing off the task/discrepancy as Inspector.
	'Pending Mech & Insp'	Displays login user employee code in the Mechanic and Inspector fields, if the login user belongs to the "Mechanic & Inspector" resource group and has skills of both mechanic and inspector required for signing off the task/discrepancy.
0 / No	'Pending Mechanic' or 'Pending Inspector' or 'Pending Mech & Insp'	Users have to input employee code in the Mechanic and Inspector fields based on the sign off status of the task / discrepancy



Exhibit 1: The Task Actions pop up

Task Actions

Task # NST-018743-2018 Description Test1

Status In-Progress

+ Actual Date & Time

- Execution Comments

New Comments

#	Exe. Comment	Added By	Added Date & Time
1	Inspect1	DOMINIC SENECHAL	27-8-2018 10:37:01
2	Inspect	DOMINIC SENECHAL	27-8-2018 10:36:49
3	Refer amm	DOMINIC SENECHAL	27-8-2018 10:35:48

- Sign Off Details

Sign Off Requirement

<input checked="" type="checkbox"/> Mechanic	00041383	<input type="text" value="DOMINIC SENECHAL"/>
<input checked="" type="checkbox"/> Inspector	00041383	<input type="text" value="DOMINIC SENECHAL"/>
<input type="checkbox"/> RII		<input type="text" value=""/>
Additional		<input type="text" value=""/>

- Sign Off Comments

New Comments

Prev. Comments



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

Exhibit 2: The Discrepancy Actions popup

**Discrepancy Actions**

Discrepancy # CDP-009141-2018      Description Crack in left winglet

**Corrective Action**    Status Change

**Corrective Actions**

1 - 1 / 1

#	SS	Corrective Action
1		Sealant to be applied

On click of Corrective Action, the sign off details are defaulted based on process parameter value

**Sign Off Details**

Requirement	Employee
<input checked="" type="checkbox"/> Mechanic	00041383 DOMINIC SENECHA
<input checked="" type="checkbox"/> Inspector	00041383 DOMINIC SENECHA
<input type="checkbox"/> RII	
Additional	

Sign off details defaulted based on process parameter value

**Sign Off Comments**

Prev. Comments      New Comments

**Actual Date Time**

**Component Details**

Close Discrepancy ☐    Sign Off ☐    **Save**

## WHAT'S NEW IN AIRCRAFT MAINTENANCE EXECUTION?

### Ability to retain the same Material Request # for Tasks & Discrepancies when Exe. Work Center is changed

Reference: AHBG-15961

#### Background

Typically, an AME identifies a discrepancy in an aircraft and adds it to a package. Next, MR are raised against the discrepancy for required parts, if they are found to be unavailable in the designated warehouses. Commonly, discrepancies are deferred to enable mechanics to close the execution document (based on the MEL / CDL list) and release the aircraft. Such deferred discrepancies are added to another package to facilitate their resolution. The work center of the new package to which deferred discrepancy is added may not be the same as that of the previous package as a result the warehouse of the old and new packages may or may be the same. In such scenarios, a provision to retain or transfer the MR (if material issues have not happened against the deferred discrepancies) to the new package would simplify and speedup the material request process already initiated for the deferred discrepancies.

#### Change Details

Users have the option to change the work center of a package in the **Edit Package Additional Information** page. When such an event happens, the system processes the MR associated with the tasks in the package on the basis of the process parameter "Auto-Short Close Open Material Requests that have Planning Documents on Work Center Change of Tasks & Discrepancies?" under the entity type 'Package Type' and entity 'All Packages' is '0' in the **Define Process Entities** activity of **Common Master**.

Process Parameter Value	Impact on Open MR of task associated with deferred discrepancy when work center is changed
0	<p>If Serviceable Request Warehouse of the new work center is the same as Serviceable Request Warehouse of the previous MR and if any Stock Transfer Order, Stock Transfer Issue, Purchase Request, and Purchase Order documents are available for the MR, the following happens:</p> <ul style="list-style-type: none"> <li>• The old MR is not short closed</li> <li>• The work center and the need date are updated in the MR</li> </ul>
1	<p>If Serviceable Request Warehouse of the new work center is different from Serviceable Request Warehouse of the previous MR,</p> <ul style="list-style-type: none"> <li>• New MR is generated</li> <li>• Old MR # is updated in the Remarks field of the new MR</li> <li>• Old MR is short closed</li> <li>• Stock Issues against the old MR are cancelled</li> </ul>

#### Exhibit 1:

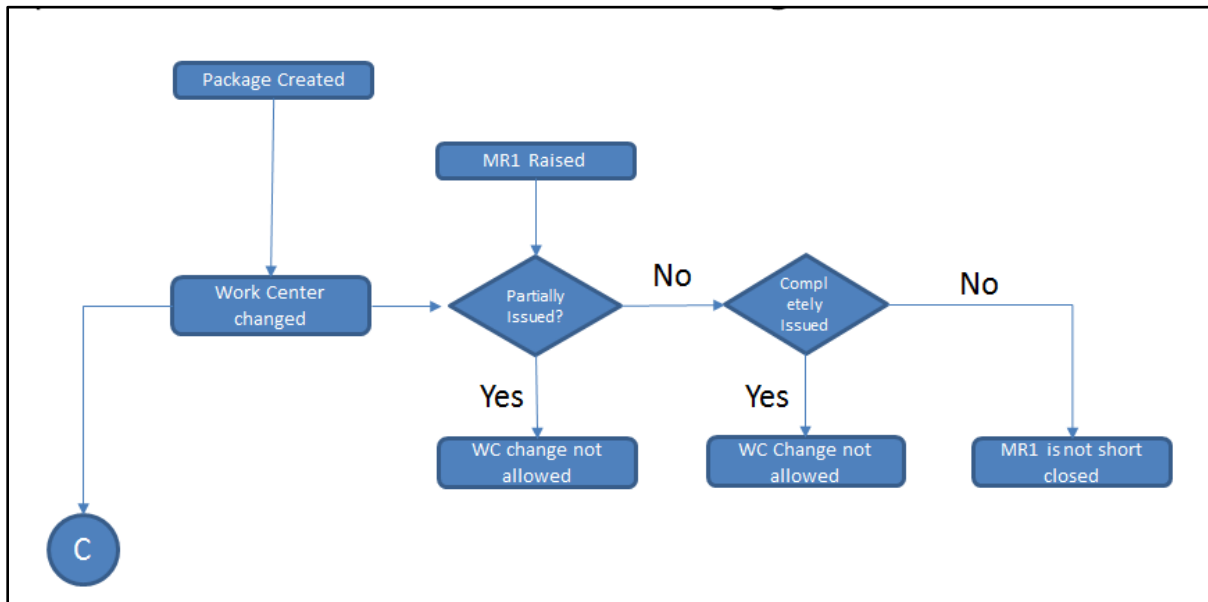
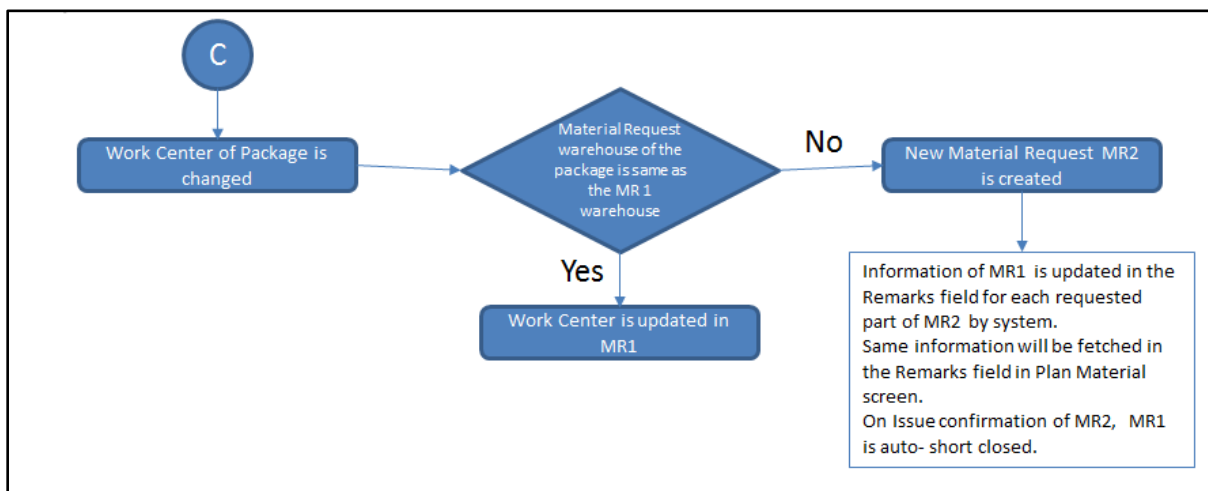


Exhibit 2:



## WHAT'S NEW IN AME & SHOP WORK ORDER?

### Ability to validate for empty mandatory position(s) upon Package & Work Order closure

Reference: AHBG-23205

#### Background

In aircraft, certain positions in the components/engines/aircraft are set as mandatory positions (meaning these positions must not remain unattached / empty at the time of release for service). The system does not allow closure of work orders, if any mandatory position in the involved components/engines is empty. However there can be situations where in a part can enter the internal repair shop, with one or many of its mandatory positions being empty. On completion of repairs for such components, the system prevents the closure of the internal work order since one or more mandatory positions are empty. In such times, the aircraft maintenance engineers can do little to close the work order since the removed mandatory part from would be lying in the work center where the component was removed from the aircraft and not in the internal repair shop. In order to avoid such impasses in the maintenance process, a provision to allow closure of work orders in spite of empty mandatory positions must be supported by the system. At the same time, it is unsafe to fly an aircraft with empty mandatory positions and hence a provision to prevent the closure of packages against such aircraft is also required to be supported by the system.

#### Change Details

1. A new process parameter **Allow closure of Work Order when mandatory position(s) is/are empty for the main core** under In the entity type- 'Work Order Type' and the entity- All User defined Work Order types in the **Define Process Entities** activity of **Common Master** has been added to allow closure of work order with empty mandatory positions inside the component being worked on. If the process parameter is defined as '1' / 'Yes', the system will allow for closure of Work Orders with empty mandatory positions inside the component. On the contrary, if the process parameter is defined as '0' / 'No', the system will prevent the user from closing the work order with empty mandatory positions inside the component under maintenance.
2. Another new process parameter **Allow closure of AME package when mandatory positions are empty for the aircraft?** under In the entity type- 'Package Type' and the entity- All User defined Package types in the **Define Process Entities** activity of **Common Master** has been added to restrict closure of packages with empty mandatory positions inside the aircraft being worked on. If the process parameter is defined as '1' / 'Yes', system will allow for closure of packages with empty mandatory positions inside it. If the process parameter is defined as '0' / 'No', the system will prevent user from closing the package, with empty mandatory positions inside the aircraft being worked on.

## WHAT'S NEW IN COMPONENT MAINTENANCE PROGRAM?

### Ability to Inherit Part Program changes to Component Maintenance Program

Reference: AHBG-21298

#### Background

Currently, inheritance of part program (PP) revisions to component maintenance programs (CMP) does not happen automatically. Though, new components inducted subsequent to program revision will inherit the changes, the existing components do not inherit changes. As a result, the users have to tediously update the part program revision changes in CMP manually for each of the components.

#### Change Details

The following changes have been incorporated in the system to facilitate inheritance of program revisions:

- New check box **Copy to Components** introduced in the **Edit Part Program Information** page. Now, by selecting the check box, the users can ensure the inheritance of revisions in PP to CMP automatically.
- The process parameter **Default state for Copy to Components' checkbox in Part Program?** has been added under the entity type **Tech Records Process Ctrl** and the entity **Part Program?** in the **Define Process Entities** activity of **Common Master** to default the selection/deselection of the **Copy to Components** check box.

Default state for Copy to Components' checkbox in Part Program? Value	Impact on the Copy to Components check box
1	Ensures that the check box selection remains as it was previously saved by the user
0	Ensure that the check box remains selected always regardless of the previous selection

- Upon authorizing of the PP, the system copies the revision changes made in the PP to the CMP. Both, Fresh and Active CMP will inherit the revision.
- Another process parameter **Component Maintenance Program status upon inheriting Part Program changes?** has been added under the entity type **Tech Records Process Ctrl** and the entity **Part Program** in the **Define Process Entities** activity of **Common Master** to set the status of the CMP subsequent to successful inheritance of PP.

Component Maintenance Program status upon inheriting Part Program changes? Value	Impact on the Copy to Components check box
1 / Fresh	The CMP retains the Fresh status upon inheriting PP changes. However, if the CMP was in the Authorized status before inheritance, a new revision in the Fresh status will be created upon inheritance.
2 / Authorized	The CMP retains the Authorized status upon inheriting PP

changes. However, if the CMP was in the Fresh status before inheritance, it will remain in Fresh status upon inheritance.

- The link **Maintain CMP** will be added in the **Maintain Part Program** screen.

**Inheritance of PP to CMP happens over the below-mentioned event:**

- Authorization of PP

**Revisions in PP are inherited to CMP at the following levels:**

- Program
- Task
- Schedule

**Exhibit 1: Addition/changes in the **Edit Part program Information** screen**

The screenshot displays the 'Edit Part Program Information' interface. The top section includes 'Part Details' (Part # CFM-ENGINE, Part Description CFM-ENGINE, ATA # 122-30) and 'Program Details' (Program Status Fresh, User Status dropdown). Below this is the 'Maintenance Details' section, which contains a table of maintenance tasks.

#	Program Group	Maintenance Type	Work Unit # ID	Prog. Item Type	Default Exe. Priority	Initiated/ Reset by	Re
1		Inspection	DME-TASK-T1	Block		Self Compliance	No
2		Inspection	DME-TASK-T2	Base		Self Compliance	No
3		Inspection	DME-TASK-T3	Base		Self Compliance	No
4		Inspection	DME-TASK-T4	Non-Block		Self Compliance	No
5		Inspection	DME-TASK-T5	As Required		Self Compliance	No

Below the table is the 'Action' section with a 'Change Work Unit Status To:' dropdown and an 'Update Program' button. A checkbox labeled 'Copy to Components' is highlighted with a red box and a yellow callout. At the bottom, the 'Record Statistics' section shows user information (Created by DMUSER, Last Modified by DMUSER, Authorized by) and dates (Created Date 15-04-2016, Last Modified Date 08-07-2016, Authorized Date). A 'Maintain CMP' link is highlighted with a red box and a yellow callout.

## Inheritance on Part # change

Reference: AHBG-24015

### Background

In **Ramco Aviation**, on modification of part #, program inheritance of the changed / new part to maintenance program of the component whose part # has been changed does not happen automatically. Hence, the users are bound to manually make these changes in the component maintenance program (CMP).

### Change Details

To enable automatic inheritance of new part program to the component maintenance program, the following changes have been undertaken in **Component Maintenance Program**:

- Process parameter **Inherit Part Program changes to Component Maintenance Program on Part modification?** under the entity type **Tech Records Process Ctrl** and the entity **Part Program** in the **Define Process Parameters** activity of **Common Master** has been added to facilitate automatic inheritance of new part program

Process parameter value	Impact on Inheritance of new part program
1/Yes	The maintenance program of the new part is copied to the component maintenance program. However, If the new part has any PBS, then PBS gets precedence over the new part program.
0/No	The maintenance program of the new part is not copied to the component maintenance program

- Latest **Active** revision of the new part program will be inherited to the component maintenance program of the component with new **Part #**
- Inheritance will happen to Active & Fresh revisions of CMP
- Components in both **Active** and **Inactive** status inherit the above-said changes.



*Note: The part # modification happens in the following circumstances causing program inheritance:*

- Confirm part # change in Stock Maintenance
- Confirmation of inspection of RO Receipt
- EO Configuration change upon completion of AME package /SWO



## WHAT'S NEW IN ENGINEERING DOCUMENT?

### Effectivity update for Eng. Doc tasks and additional validations for Future Dated Eng. Docs

Reference: AHBG-19939

#### Background

A provision to update the task effectivity definition in Maintenance Task on release of engineering documents while retaining the status quo of the effectivity list of maintenance objects.

#### Change Details

Now, on release of engineering documents, the system checks for the task effectivity of the maintenance objects and then updates the effectivity list of the task with the maintenance objects in Maintenance Task on the basis of the process parameters defined under the entity type Eng. Doc. Type and the entity All Eng. Doc. Types in the Define Process Entities activity of Common Master. The influence of the process parameters on the update of task effectivity in Maintenance Task upon the release of engineering documents as illustrated in the below table.

Process Parameter	Value	Impact
Engineering Document Revision Policy	As per Revision Rules	<ul style="list-style-type: none"> <li>If tasks with aircraft/model/part effectivity from Maintenance Task have been included in the engineering document, the system adds the aircraft/models/parts for which effectivity has been enabled in the engineering document to the task effectivity. (Note: Effectivity is enabled, if Applicable? is set as 'Yes' for the maintenance object in the Effectivity tab.)</li> <li>If new tasks (not yet defined in Maintenance Task) or existing tasks with no effectivity definition are added in the engineering document, the effectivity of such tasks is not updated with the aircraft/models/parts for which effectivity has been set as 'Yes' in the engineering document.</li> <li>If tasks are added in an engineering document with Applicable? set as 'No' / 'Hold' / 'Previously Complied' for aircraft/models/parts, these aircraft/models/parts are removed from the task effectivity definition in Maintenance Task, if Applicable? is not set as 'Yes' for the same maintenance objects in any other document.</li> </ul>
Mandate Revision on Addition of Effectivity?	0	
Engineering Document Revision Policy	As per Revision Rules	<ul style="list-style-type: none"> <li>The system updates the aircraft/models/parts for</li> </ul>

Process Parameter	Value	Impact
Mandate Revision on Modification of Effectivity?	0	<p>which task effectivity has been modified to 'Yes' in the engineering document to the task effectivity definition in Maintenance Task, if effectivity definition for the task already exists in Maintenance Task. (Note: Effectivity is enabled, if Applicable? is set as 'Yes' for the maintenance object in the Effectivity tab.)</p> <ul style="list-style-type: none"> <li>• If effectivity of new tasks (not yet defined in Maintenance Task) or existing tasks with no effectivity are modified to 'Yes' in the engineering document, the task effectivity in Maintenance Task is not updated with the aircraft/models/parts.</li> <li>• If Applicable? for aircraft/models/parts is changed to "No" / 'Hold' / 'Previously Complied' in the engineering document, the aircraft/models/parts are removed from the task effectivity definition in Maintenance Task, if for the task, Applicable? is not set as 'Yes' for the same maintenance objects in any other engineering document.</li> </ul>

Additionally, restriction on the modification of threshold for future-dated engineering documents by users has been imposed, since the system does not consider these values for computation of NSD/NSV on reaching the effectivity date, if they have been user-specified.

## WHAT'S NEW IN COMPLIANCE TRACKING & CONTROL?

### Provision to display Prog. Status in IMPUC screen

Reference: AHBG-21015

#### Background

Typically, the users update the schedule information of maintenance programs in the **Initialize Maintenance Program & Update Compliance (IMPUC)** screen of **Compliance Tracking & Control**. Though, this screen displays details including **Maint. Prog. #** and **Prog. Rev. #**, the users have no clue as to the status of the maintenance program that they are updating or working with. When updating schedules, being aware of the program status would help users, since schedule updates done in Active programs are carried over to Fresh programs while schedule updates in Fresh programs do not impact other versions of the program.

#### Change Details

A display column Prog. Status has been added in the **Task Details** multiline of the **IMPUC** screen to retrieve and display the **current** status of the maintenance program. However, this column is available only if the update option for the program is set as "Update Schedule" and the screen is displayed in **Detailed View**.

**Exhibit 1: The IMPUC screen**

The screenshot displays the 'Initialize Maint. Prog. & Update Compliance' screen. The 'Update Option' is set to 'Update Schedule' and the view is 'Detailed View'. The 'Maintenance Object' is 'Aircraft Reg # 101'. The 'Task Details' section shows a table with columns: #, Aircraft Reg #, Part #, Serial #, Task #, Doc #, Eng. Doc Rev #, Maintenance Program #, Prog Rev #, Prog. Status, and Position Code. The 'Prog. Status' column is highlighted with a red box and a yellow callout box pointing to it with the text 'The new Prog. Status field'.

#	Aircraft Reg #	Part #	Serial #	Task #	Doc #	Eng. Doc Rev #	Maintenance Program #	Prog Rev #	Prog. Status	Position Code
1	101			0000-A31-0015454			SR101	20	Active	
2	101			0000-A31-0015455			SR101	20	Active	
3	101			0000-A31-0015455			SR101	20	Active	
4	101			0000-A31-0015455			SR101	20	Active	
5	101			0000-A32-0006473		0	SR101	20	Active	
6	101			1CCTask-I-OT-C	I00573-2015	1	SR101	20	Active	
7	101			1CCTask-I-OT-C	I00573-2015	1	SR101	20	Active	
8	101			1CCTask-I-OT-NC	I00573-2015	1	SR101	20	Active	
9	101			1CCTask-I-OT-NC	I00573-2015	1	SR101	20	Active	

## Ability to validate the escalation value beyond the positive tolerance limit

Reference: AHBG-21256

### Background

Presently, the users can create short term escalations of tasks in the maintenance programs with no restriction on the quantum of escalation values. However, a provision that prohibits the users from creating short term escalations with escalation values greater than the preset positive tolerance limit is required to address exceptional scenarios in aircraft maintenance.

### Change Details

Now in the **Request Short Term Escalations /Edit Short Term Escalation Limits** screen of **Compliance Tracking & Control**, the users can create a short term escalation for any schedule of a task with an escalation value greater than the positive tolerance limit defined for that schedule, if the process parameter "Allow Escalation beyond the Positive tolerance limit?" under the entity type "Maintenance Planning" and the entity "Aircraft Maint. Planning" in the **Define Process Entities** activity is set as 1 / 'Yes'. However, if this process parameter is set as 0/ 'No', the system does not allow the users to specify an escalation value greater than the preset positive tolerance limit.

Upon approval of the short term escalation in the **Approve Escalations** activity of **Compliance Tracking & Control**, the system calculates NSD for the updated schedules and the earliest NSD among all the schedules is considered as the NSD for the task.

**Exhibit 1:** The fields impacted by the process parameter highlighted in the **Request for Short Term Escalations** screen

**Request Short Term Escalations**

Short Term Esc. Ref # ESC000066-2018  
Aircraft Reg # 123321

Status Fresh  
Numbering Type ESC

Reason Category  
Escalate by FH  
Escalate by Days

Schedule Reset Basis  
Escalate by FC

#	Task #	Due Date/ Value	Reason Category	Schedule Reset Basis	Escalate by FH	Escalate by FC	Escalate by Days
1	2-50C-0000-CHM-	7.00FC	DEFERRAL REASON	Last Schedule			1.00
2							

Get Base Task

Requestor Details

Request/ Edit Escalation Confirm Escalation Cancel Escalation

Edit Limits  
View Task Date & References

Upload Documents  
View Consumption & Range Parameters (Aircraft)

View Associated Doc. Attachments  
View Consumption & Range Parameters (Component)

Record Statistics

Created by DMUSER  
Last Modified by DMUSER  
Confirmed by DMUSER

Created Date & Time 30-01-2018 02:33:10 PM  
Last Modified Date & Time 30-01-2018 02:54:25 PM  
Confirmed Date & Time 30-01-2018 02:50:53 PM

**Exhibit 2:** The fields impacted by the process parameter highlighted in the **Edit Short Term Escalation Limits** screen

**Edit Short Term Escalation Limits**

Date & Time Formatted: 00-mm-yyyy      nn:mm:ss am/pm

---

**Short Term Escalation Details**

Short Term Esc. Ref # ESC000066-2018      Status: Fresh  
Aircraft Reg # 123321

---

**Task Details**

Task # All Tasks      Task Description  
Component #      Part # / Serial #

---

**Escalation Limit - Calendar Based**

Escalated by (Days) [ ]      Alert (Days) [ ]  
Revised Due Date      Due Date

---

**Escalation Limit - Usage Based**

#	Parameter	UOM	Due Value	Current Value	Revised Due Value	Escalated by	Alert Value	Parameter Description
1	EC	EA				1.00		Engine Cycles
2	EH	HRS				1.00		Engine Hours
3	FC	CYC				1.00		Flying Cycle
4								

[<] [1] [- 3 / 3] [>] [Add] [Edit] [Delete] [Refresh] [Print] [Export] [Import] [Help]

[Edit Limits]      [Confirm Escalation]

[View Consumption & Range Parameters \(Aircraft\)](#)      [View Consumption & Range Parameters \(Component\)](#)

---

**Record Statistics**

Last Modified by DMUSER      Last Modified Date & Time 30-01-2018 02:54:25 PM

## WHAT'S NEW IN FLIGHT LOG?

### Ability to upload documents against a Journey Log

*Reference: AHBG-22879*

#### Background

Currently, the users can load documents associated with flight / journey under **Business Component Name - Aircraft Maintenance Exe. Ref.** and **Ref. Doc. Type - Aircraft Maintenance Exe. Ref. #**. However, an identifiable **Component Name** and **Ref. Doc. Type** combination is required to upload scanned journey log documents to the central repository of **Ramco Aviation**.

#### Change Details

In the **Object Attachments** business component, the following changes have been incorporated in order to enable the users to upload scanned copies of journey log documents:

- In the **Upload Documents** page, under the **Upload File Details** group box, the new option **Flight Log** has been added in the **Business Component Name** drop-down list box. Next, the **Ref. Doc. #** drop-down list box will now display two new options: **Journey Log** or **Fuel / Oil Log #**.
- Similarly, in the **Delete / View Associated Doc. Attachments** page, under the **Search Criteria** group box, the new option **Flight Log** has been added in the **Business Component Name** drop-down list box. Next, the **Ref. Doc. #** drop-down list box will now display two new options: **Journey Log** or **Fuel / Oil Log #**.

## Ability to Auto-Issue Tools when reporting Resource Actuals

Reference: AHBG-21925

### Background

A provision is required in the system to automatically issue tools from unmanned tool cribs. In real-time, mechanics pick up the tools required for execution from unmanned tool cribs and then record the tool usage information in the system against the tasks. Once the tool usage information is recorded, the system must auto-issue the tool from the tool crib associated to the work center.

### Change Details

The process parameter 'Auto Issue of Tools when Resource Actuals are recorded for the Task/Discrepancy?' under In the entity type Package Type and the entity Log Cards and User Defined Values in the **Define Process Entities** activity of **Common Master** has been added to facilitate auto-issue of tools required for task execution.

If the process parameter is defined as '1' / 'Required', the system allows for the auto-issue of requested tools to mechanic against tasks at the time the used tool is updated in the **Report Resource Estimates / Actuals** activity of **Flight Log** under the following conditions:

- Resource Type must be 'Tools'
- Update Mode must be 'Actuals'
- Status of source task or associated task must be Planned/In Progress/Completed
- The required tool must be available for issue in the tool crib (serviceable request warehouse for Part Type 'Tools') be mapped to the work center in which the task is scheduled for execution

However, if the process parameter is set as 0/'Not Required', the system does not permit auto-issue of tools to tasks.

## Ability to Auto-Return Tools during Task/Discrepancy Closure

Reference: AHBG-21926

### Background

In real-time scenarios, mechanics themselves return the tools to the unmanned tool cribs upon closure of tasks and discrepancies. A provision is required in the system to automatically return the issued tools intuitively to the tool crib associated with the work center in which the task/ discrepancy was executed.

### Change Details

The new process parameter '**Auto-Return of Tools on Task/Discrepancy Closure?**' under the entity type Package Type and the entity Log Cards and User Defined Values in the **Define Process Entities** activity of **Common Master** has been added to facilitate auto-return of tools on closure of task/discrepancy.

If the process parameter is defined as '1' / 'Required', the system allows for the automatic return of issued tools to mechanic in the **Report Resource Estimates / Actuals** activity of **Flight Log** under the following conditions:

- Resource Type must be 'Tools'
- Tools must have been auto-issued
- Status of the task must become Closed, Pre-Closed, Deferred, Cancelled, Duplicate or Routed for Repair on closure
- Status of the discrepancy must become Closed or Cancelled on closure

However, if the process parameter is set as 0/'Not Required', the system does not permit auto-return of tools.



## Ability to restrict a lower value (than existing value) for a Parameter as New mode entry in Journey Log

Reference: AHBG-23481

### Background

A provision is required to ensure that the value of the **Summary** and **Leg-Wise** parameters for aircraft/component is not lower than the current value when **Update Mode** is **New** during creation and modification of journey logs.

### Change Details

Now, new parameter **“Restrict update of Summary and Leg-Wise parameter with a value less than current value when update mode of parameter is New”** has been added under the **Journey Log Computation Options** in the **Flight Log Recording Options** tab in the **Set Options** activity of **Flight Log** to restrict the entry of parameter value for **Summary** and **Leg-Wise** parameters less than their current values when **Update Mode** is **New**.

“Restrict update of Summary and Leg-Wise parameter with a value less than current value when update mode of parameter is New” Value	Impact on parameter value
0 / Not Required	Users can enter <b>Summary</b> and <b>Leg-Wise</b> parameter values less than the current value when <b>Update Mode</b> is <b>New</b>
1 / Summary Parameter	Users must not enter <b>Summary</b> parameter value less than the current value when <b>Update Mode</b> is <b>New</b>
2 / Leg-Wise Parameter	Users must not enter <b>Leg-Wise</b> parameter values that is less than the current value when <b>Update Mode</b> is <b>New</b>
3 / Summary and Leg-Wise Parameter	Users must not enter <b>Summary</b> and <b>Leg-Wise</b> parameter values less than the current value when <b>Update Mode</b> is <b>New</b>

**Exhibit 1: The Leg Details tab of the Create Journey Log screen**

The screenshot shows the 'Create Journey Log' interface. At the top, there are fields for 'Journey Log #', 'Flight Date' (05-09-2018), 'Status', 'Rep. Time Zone', 'Aircraft Reg. #', 'Starting Station', 'Flight Ops. Type', and 'Log #'. Below these are 'Log Reference Details' and 'Leg Details' tabs. The 'Leg Details' tab is active, showing a table with columns: Line #, Flight #, Leg #, Dep. STN, Arr. STN, Parameter 1, Parameter 2, Parameter 3, Parameter 4, Parameter 5, and Parameter 6. A yellow callout box points to the parameter columns with the text: 'Parameter values can/cannot be less than current value, if Update Mode is New based on option setting.'

**Exhibit 2: The Summary Parameter Details tab of Create Journey Log screen**

Create Journey Log

RamcoRole - RAMCO OU

Date & Time Format dd-mm-yyyy HH:MM/HHMM

Log Details

Journey Log #  Flight Date 05-09-2018 Status  Rep. Time Zone

Aircraft Reg. # 1022 Get Starting Station 1 Flight Ops. Type Regular Log #

Flight Category  Journey Log Category

Log Reference Details

Leg Details Summary Parameter Details

Summary Parameter Details

#	Parameter	Parameter Value	A/C Position #	Part #	Part Description	Parameter Description	UOM	Update Mode	Current Value
1	LGR					Landing gear rotations	CYC	Delta	
2	NG					NG	EA	Delta	
3	NP					NP	EA	Delta	
4									

Parameter values can/cannot be less than current value, if Update Mode is New based on option setting.

## WHAT'S NEW IN SHOP WORK ORDER?

### Ability to manage shop transactions in local time zone

Reference: AHBG-15884

#### Background

Currently, the dates and times pertaining to shop transactions are based on the OU server time zone. However, these dates and times may not represent the actual work execution dates and times in real time since the OU server may not be located in the same geographical location as the work center and station associated to orders/tasks and hence their time zones would differ.

A provision to capture the dates and times of shop transactions in accordance with the time zone of the station and work center associated with the tasks/work orders must be built in the system.

#### Change Details

##### Time Tracking Setup

In order to manage shop transactions in local station time zone, the following parameters have to be defined in the **Set Process Parameters** activity of the **Time Tracking Setup** business component, as a prerequisite:

- 'Station based time reporting required' must be set as 'Yes'
- 'Default Base Station' must be left blank

**Exhibit 1: Set Process Parameters** activity in the **Time Tracking Setup** business component of the **Time Tracker** business process

#	Process Parameter	Permitted Values	Value	Value Selected	Status
9	Allow timeoff request entries spanning across dates	Specify "0" for 'No' and "1" for 'Yes'	0	No	Defined
10	Manage Attendance Reporting/Approval within T&A System	Specify "0" for 'No' and "1" for 'Yes'	1	Yes	Defined
11	Allow Modifications to Approved Time Off Records	Specify "0" for 'No', "1" for 'Yes' and "2" for 'Not'	0	No	Defined
12	Bar Code based login into T&A system	Specify "0" for 'No', "1" for 'Yes'	1	Yes	Defined
13	Enable Clock your time - Multiple Time bookings?	Specify "0" for 'No', "1" for 'Yes'	0	No	Defined
14	Time records approval by alternate authorizer	Specify "0" for 'Not Required', "1" for 'Required'	1	Required	Defined
15	Allow attendance reporting by Alternate authorizer beyond	Specify "0" for 'No' and "1" for 'Yes'	1	Yes	Defined
16	Duration to be equal with the difference between Start and	Specify "0" for 'Not Required' and "1" for 'Required'	0	Not Required	Defined
17	Station based time reporting required	Specify "0" for 'No' and "1" for 'Yes'	1		Defined
18	Default Base Station	Specify Default Base Station			Defined

Set Options to specify if the time booking is to be maintained in the time zone of the respective Work Station or to be maintained in the time zone of the Base Station

#### Shop Work Order

Changes have been made in the following screens of **Shop Work Order**.

- **Plan Work Order**
  - ⇒ **Order Start and End Date and Time, Task Start and End Date and Time, Start and End Clock, Removal Date & Time, Promised Delivery Date/Customer Requested Date** will now be based on the Time Zone of Work Center associated Station.
- **Record Shop Execution Details**

- Both **Direct Booking** and **Indirect Booking Start and End Date and Time** will now be based on the Time Zone of Work Center associated Station ~~to~~ of the tasks.
- Discrepancy reporting, Observation, Removal, Installation and **MR Need Date** will now be based on the time zone of Work Center and associated Station of the task.
- **Manage Intershop Routing**
  - Required date of parts will now be based on Time Zone of Work Center and associated Station of the task.
- **Issue CoM**
  - **Issued Date** of certificates will now be based on the Time Zone of the ~~associated~~ Work Center and associated Station.

## Ability to Pre-Close the planned tasks in Shop Work Order

Reference: AHBG-23216

### Background

In real time maintenance scenarios, the maintenance engineers pre-close tasks, if they are unable to complete them in the preplanned time. However, currently **Ramco Aviation** does not allow the pre-closure of any planned tasks in a shop work order. Hence, a facility must be available for users to pre-close planned component tasks.

### Change Details

Now, the users can pre-close a task in the **Plan Work Order** and the **Record Shop Execution Details** screens even if component replacement has been performed by the task.

#### Exhibit 1: The Record Shop Execution Details screen

The screenshot displays the 'Record Shop Execution Details' interface. On the left, there is a sidebar with a search bar and a tree view showing 'ShopWorkOrder' and 'Task' categories. The main area is divided into several sections: 'Work Actual', 'Report Findings', 'Disassemble & Assemble Core', 'Initial Workscoping', and 'Material Request'. The 'Work Actual' section is active, showing a table of tasks. A yellow callout box points to the 'Pre-Close' button in the 'Time Sheet' section, with the text 'Click here to pre-close the task'.

#	M	HS	CT	SS	ES	SWO #	#	Task Desc.	Task #	Clock Start Date & Time
1	N	N	C	M	NR	AWO-000057-2018	1	ENGINE JOB	NST-005207-2018	10-8-2018 21:50:56
2	N	N	C	NR	NR	CWO-008832-2017	1	TEST12233	NST-004882-2017	31-7-2018 09:25:09
3	N	N	C	I	NR	CWO-009262-2018	1	nst	NST-016458-2018	10-8-2018 21:51:57
4	N	N	M	NR	NR	OWO-000398-2013	1	ops 23 feb	3-A33-00-AC-01804	27-11-2014 12:30:44
5	N	N	NS	M&I	NR	OWO-000398-2013	2	Task Desc	NST-005005-2017	
6	N	N	NS	M&I	NR	OWO-000398-2013	2	Task Desc 2	NST-005006-2017	
7	N	N	NS	NR	NR	CWO-009170-2018	3	OPS-1	3-TRE-00-CMM-15425	
8										

The 'Time Sheet' section includes buttons for 'Clock On', 'Clock Off', 'Reset', 'Pre-Close', and 'Complete'. A yellow callout box points to the 'Pre-Close' button with the text 'Click here to pre-close the task'.

The 'Sign-Off Details' section includes fields for 'Mechanic', 'Inspector', 'Addl. Sign-Off', 'Skill', 'RII', 'Comments', and buttons for 'Sign-Off', 'Reject Task', and 'Void'.

The 'In-Direct' section includes a dropdown for 'In-Direct Cat.', fields for 'Start Date/Time' and 'End Date/Time', and buttons for 'Clock On', 'Clock Off', and 'Reset'.

The 'Hold / Release' section includes a dropdown for 'Hold Code', a 'Comments' field, and buttons for 'Hold', 'Release', and 'Record Work Hold'.

## Ability to manage Part Data Change in shop work order

Reference: 23241

### Background

Each aircraft part has certain vital attributes (Part Type, Control Type, Expense Type, Issue Basis, Valuation Method, Stockable, Expense Policy and Adjust Actual Cost) that exclusively identify the part. Though, the part attribute change is allowed in aircraft maintenance, it is undertaken in a controlled and regulated manner since the part may have been issued for maintenance. However, part attribute change facility for issued parts is not currently supported and an ability to change part data is required in the shop.

### Change Details

As part of this enhancement, the system now allows the users to change part attributes of spare parts even if confirmed stock issues exist for these parts against work orders. In other words, the system allows users to create and process **Part Data Change** requests in **Part Administration** even if the part has been issued to ongoing work orders. The system automatically makes good any fallout owing to part data change in the event of confirmation of stock return through positive/ negative correction.

Nevertheless, the part attributes of main cores issued to the ongoing work orders cannot be changed under any circumstances in shop maintenance.

### Exhibit 1: The **Manage Controlled Data for Part Record** screen

**Manage Controlled Data for Part Record**

**Change Document Details**

Data Change # \_\_\_\_\_ Planning Status \_\_\_\_\_

Change Category \_\_\_\_\_ User Status \_\_\_\_\_

Requested by / Date \_\_\_\_\_ Currency CAD

**Part Details**

#	Part #	Part Description	From Part Type	To Part Type	From Control Type	To Control Type	From Expense Type	To Expense Type	From Issue Basis	To Issue Basis	From Valuation Method	From Adjust Actual Cost
1				▼		▼		▼		▼		
2				▼		▼		▼		▼		

Get Part Details View File

**Other Details**

File Name \_\_\_\_\_ View File

Remarks \_\_\_\_\_

Other References \_\_\_\_\_

Save Process Cancel

Update Lot # / Serial # / Unit Cost Info Upload Documents

View Impacted Transactions View Documents

**Record Statistics**

Created by \_\_\_\_\_ Created Date \_\_\_\_\_

Last Modified by \_\_\_\_\_ Last Modified Date \_\_\_\_\_

Click here to commit attribute changes to part

## Additional Regulatory Certificates

Reference: AHBG-19478

### Background

Ability to generate and print certificates of maintenance of additional certificate types for addressing the regulatory requirements of various geographies including Australia, New Zealand, Peru, Singapore and UAE is required in **Ramco Aviation**.

### Change Details

Now, the users can generate **CoM** of the following certificate types in addition to the existing ones from the **Issue Certificates** screen of **Shop Work Order**:

1. Triple Release – EASA-FAA- TCCA
2. Dual Release - EASA-TCCA
3. Dual Release - EASA-FAA
4. CAAV Form One
5. DGAC CHILE Airworthiness Approval Tag
6. BCAA Form 1 (Bahrain Civil Aviation Authority)
7. GCAA United Arab Emirates
8. CASA Form 1 (Australia)
9. CAANZ Form 1 (New Zealand)
10. CAANZ Form 2 (New Zealand)
11. AW-95 (Singapore)
12. DGAC - Peru (RAP 001)
13. Dual Release -FAA-EASA

The users can fetch **SWO#** and select the appropriate **Certificate Type** and **Regulatory Authority** as inputs for generating / viewing / printing the above-listed reports in the **Certificate of Maintenance** tab of the **Issue Certificates** screen.

## Exhibit 1: The Issue Certificates page in Shop Work Order

★ Issue Certificates RamcoRole - RAMCO OU

Part Id Tag **Certificate of Maintenance** Certificate of Conformity Certificate of Calibration

☒ Create Certificate ☐ Reprint Certificate ☐ Replace Certificate

Reference Type: **Work Order #** Reference #:

+ Issue Details

+ Main Core Details

+ Reference Details

- Certificate Details

Certifying Remarks:

Eligibility: ☐

**New certificate types added here**

#	Certificate Type	Reqd?
1	8130-3	<input type="checkbox"/>
2	AIR CARRIER 8130-3	<input type="checkbox"/>
3	CAA FORM ONE	<input type="checkbox"/>
4	CAA,FAA,EASA	<input type="checkbox"/>
5	CAAC AAC-038	<input type="checkbox"/>

**Select the certificate type you want to generate.**

#	Certifying Authority	Reqd?
1	ASA	<input type="checkbox"/>
2	Aveos	<input type="checkbox"/>
3	The AVEOS1 is Active	<input type="checkbox"/>
4	CAAC	<input type="checkbox"/>
5	Civil Aviation Authority Singapore	<input type="checkbox"/>

+ Document Attachment Details

+ Authorization Details

Created by:  Modified by:  Approved by:

Created Date:  Modified Date:  Approved Date:



## Ability to view Partially Released Work Orders inside the Review Work Execution screen

Reference: AHBG-21720

### Background

In Part manufacturing, there are scenarios where only few tasks of the work order are released for execution initially and the rest of the tasks will be released later. In this kind of scenario, the user requirement is to track the work orders in which few tasks have been released and few tasks are pending for release. To enable the users to also retrieve unfinished work orders for further processing, a provision to retrieve shop work orders comprising both released and not yet released tasks must be built in the system.

### Change Details

The **Review Work Execution** screen of the **Shop Work Order** business component has been enhanced in the following way to enable retrieval of partially released work orders:

- The **Partially Released** option has been added in the **Exec. Status** drop-down list box of the **Search Criteria** section. On selection of **Partially Released**, the search will retrieve work orders having both released as well as unreleased tasks inside it.

### Exhibit 1: Addition in the Review Work Execution screen

The screenshot displays the 'Review Work Execution' screen. In the 'Search Criteria' section, the 'Exec. Status' dropdown menu is open, showing the following options: Draft, Fresh, Partially Released, Planned, In-Progress, Completed, Cancelled, Closed, Pre-closed, and Ext. Routed. A yellow callout box highlights the 'Partially Released' option with the text 'New option to retrieve partially released work orders'. Below the search criteria, the 'Search Results' table is visible, showing a list of work orders with columns for SWO #, SWO Desc., Component #, Primary W/C #, Part #, Serial #, Lot #, Mfr. Lot #, Quantity, Facility #, Facility Obj, and Modified Serial #.

#	SWO #	SWO Desc.	Component #	Primary W/C #	Part #	Serial #	Lot #	Mfr. Lot #	Quantity	Facility #	Facility Obj	Modified Serial #
1	AWO-000001-2011	DND Replenishment		YUL-140-01	DNDREPLENISHMENT				1.00			
2	AWO-000002-2011	For end-to-end test		YUL-140-01	DNDREPLENISHMENT				1.00			
3	AWO-000003-2011	DND Replenishment		YUL-140-01	DNDREPLENISHMENT				1.00			
4	AWO-000006-2012	repair		YUL-210-70	336-031-615-				1.00			
5	AWO-000007-2012	repair		YUL-210-70	336-031-615-				1.00			
6	AWO-000008-2012			185-20		SL-000017-2012			1.00			
7	AWO-000009-2012	TO REMOVE COMP-	COMP-10	185-20	00XYZ	SL-000018-2012			1.00			
8	AWO-000010-2012			185-20					1.00			
9	AWO-000011-2012	Inspection		yul-100-00	0-0033466-0-20671				5.00			
10	AWO-000020-2016			YUL-295-05					1.00			

## WHAT'S NEW IN MAINTENANCE TASK?

### Ability to set a default value for Operations Type when searching for a task

Reference: AHBG-21370

#### Background

A provision to default the **Operations Type** search field in the **Help** screens of **Maintenance Task** with user-preferred value to enhance ease of usability.

#### Change Details

With this enhancement, the system will default the **Operations Type** drop-down list box in the **Help on Task #** and **Help on Work Unit #** screens with the value defined for the process parameter "Default Operations Type for Help on Task/Work Unit screen?" under the entity type Maintenance Task and entity Task in the **Define Process Entities** activity.

Process parameter value	Default value in the Operations Type field
0	Flight Operations
1	Repair Station
2	Blank



*Note: The default value for the new process parameter will be set based on the value defined for the existing process parameter "Default Operations Type" defined under 'Maintenance Task' Entity Type and 'Task' Entity.*

Exhibit 1: The Help on Task # screen

**Help on Task #**

Primary Search Criteria | **Additional Search Criteria** | Periodicity Based Search Criteria

Task Type: [Dropdown]  
Task Class: Standard [Dropdown]  
MPD Item #: [Text Field]  
Search On: [Dropdown]  
Relationship: [Dropdown]

Operations Type: [Dropdown]  
Exec. Phase: [Dropdown]  
Operator #: [Text Field]  
WBS Code: [Text Field]

Search

**Search Results**

[No records to display]

#	Task #	Rep Seq #	Revision #	Task Desc.	Mandatory
Found no rows to display!!!					

# WHAT'S NEW IN AIRCRAFT MAINTENANCE PROGRAM?

## Provision to View Parameter Values from TMCH screen

Reference: AHBG-21561

### Background

Users want a provision to view parameter values of aircraft/component as on the compliance date of the task/discrepancy while tracking maintenance compliance of maintenance objects.

### Change Details

Two links - **View Aircraft Parameter Values** and **View Component Parameter Values** have been added in the **Track Maintenance Compliance History** screen of **Aircraft Maintenance Program**. Now, the users can access these links to view the parameter values for the maintenance objects as on the task/discrepancy compliance date and time.

**Exhibit 1:** The new links in **Track Maintenance Compliance History** screen

The screenshot displays the 'Track Maintenance Compliance History' interface. At the top, there's a search bar with 'Search Criteria' and 'Compliance Details' sections. The 'Search Criteria' section includes fields for 'Action' (set to 'Manage'), 'Maint. Object' (set to 'Aircraft Reg # 101'), 'Eng. Schedule Type', 'Search on' (set to 'All Compliance'), 'Compliance Date: From / To' (set to '2018-20-02'), and 'Additional Search on'. The 'Compliance Details' section shows a table with 10 rows of data. The table has columns: #, Aircraft Reg #, Task #, Task Description, Task Rev #, ATA #, Job Type, Parameter, Due Date, Compliance Date & Time, Due Value, and Complied Value. The bottom of the screen features a navigation bar with several links: 'Inquire Short Term Escalation Status', 'View AME', 'Record AME', 'View Associated Doc. Attachments', 'Initialize Maint. Prog. & Update Compliance', 'View Aircraft Parameter Values' (highlighted with a red box), 'Maintain Discrepancy Information', and 'View Component Parameter Values' (highlighted with a red box). There are also buttons for 'Update Compliance' and 'Delete Compliance'.

#	Aircraft Reg #	Task #	Task Description	Task Rev #	ATA #	Job Type	Parameter	Due Date	Compliance Date & Time	Due Value	Complied Value
1	101				00-00	Aircraft	Calendar		2016-05-02 08:17:18 AM		
2	101	0000-876-	A-Check		00-00	Aircraft	Calendar	2016-15-01 06:58:47	2016-03-02 05:00:20 PM		
3	101	0000-876-	A-Check		00-00	Aircraft	Calendar	2016-06-01 06:53:59	2016-05-01 06:55:40 PM		
4	101	0000-876-	A-Check		00-00	Aircraft	Calendar	2016-15-01 06:55:40	2016-05-01 06:58:47 PM		
5	101	0000-876-	Inspection Checklist		00-00	Aircraft	Calendar	2016-15-01 06:55:40	2016-05-01 06:58:47 PM		
6	101	200/5	test		00-00	Aircraft			2017-17-07 04:52:59 AM		
7	101	200/8	test		00-00	Aircraft			2017-01-09 09:23:33 AM		
8	101	3-00000012	Test Operation	2	05-00	Aircraft	Calendar	2014-31-05 11:59:59	2016-20-02 11:05:32 AM		
9	101	3-00000012	Test Operation	2	05-00	Aircraft	Calendar	2013-11-01 12:00:00	2014-30-04 04:54:00 PM		
10	101	3-A31-00-	task	1	00-00	Aircraft	FH		2014-30-04 04:15:03 PM	532.00	510.00

## WHAT'S NEW IN COMPONENT REPLACEMENT?

### Ability to display the Task or Disc # along with the Package against which the Component is removed

Reference: AHBG-23290

#### Background

To identify the tasks / discrepancies against which the component / non-component removals were executed, **Task / Discrepancy #** and **Description** must be displayed in the **Component Removal** transactions for the users.

#### Change Details

In the **View Component Replacement Details** page, two new display-only fields – **Task / Discrepancy #** and **Task / Discrepancy Descriptions** have been added to display details of tasks that performed the component and non-component removals.

**Exhibit 1:** Changes in the **View Component Removal Details** screen

The screenshot displays the 'View Component Replacement Details' screen. It features several sections with expandable/collapsible headers. Two yellow callout boxes highlight new display fields:

- Component Replacement Details:**
  - Component Replacement # NCR-1000001NCR-2
  - Source Document Type
  - Task / Discrepancy #** (New display field)
  - Station # AIR INDIA STATION
- Next Higher Assembly Details:**
  - Aircraft Reg # JS-102
  - Component Type
  - NHA Part #
  - NHA Component #
- Removal / Installation Details:**
  - Removed Part #
  - Removed Mfr. Lot #
  - Component #
  - ATA #
  - Removed Qty.
- Removal Details:**
  - Removed Serial #
  - Removed Lot #
  - Removed MSN
  - Part Description
  - UOM

Additional fields visible on the right side include Status (Fresh), Source Document #, Task / Discrepancy Desc (New display field), Record Mode (Normal), Position Code (POSS), ATA #, NHA Serial #, and NHA Part Desc.

## WHAT'S NEW IN AIRCRAFT MAINTENANCE PLANNING?

### Ability to retain the same Material Request # for Tasks/Discrepancies across Planned Date changes

Reference: AHBG-23303

#### Background

In real time, aircraft maintenance packages are planned by planners much ahead in time. Thereafter, part availability is ascertained to ensure that the requisite parts in necessary quantities are available in the warehouses. For parts not found in the warehouses, purchase requests/orders are generated against the tasks/discrepancies to acquire the parts. However, owing to certain reasons planners may shift the planned start and end date of tasks/discrepancies in packages to the future. Currently, upon change of planned dates, the system automatically short closes the material requests and generates new material requests with the same part/quantity/warehouse and new Need Date. This results in the snapping of links between the old material requests and purchase request/orders. Hence, a provision to merely change Need Date while retaining the existing material requests of planned tasks/discrepancies that have undergone planned date changes is required in the system.

#### Change Details

The new process parameter 'Auto-Short Close Open Material Requests on Planned Dates Change of Tasks & Discrepancies from the Planning Board Gantt?' under the entity type **Package Type** and the entity **All Packages** in the **Define Process Entities** activity of **Common Master** will decide whether the material requests against tasks/discrepancies whose planned dates have changed must be short closed.

Process Parameter Value	Impact on moving of task / discrepancy planned dates to the future in the Job Details Gantt in the Review Aircraft Maintenance screen
0 / Not Required	<ul style="list-style-type: none"> <li>All Authorized material requests will be short closed.</li> <li>New material requests will be created with new Need Date (Need Date will be set to the new planned start of the task / discrepancy)</li> </ul>
1 / Required	<ul style="list-style-type: none"> <li>All Authorized material requests will be retained</li> <li>Need Dates will be set to the new planned start of the tasks / discrepancies</li> </ul>

## Exhibit 1: The Set Process Parameters page

The screenshot displays the 'Set Process Parameters' window. At the top, there's a 'Process Parameter List' section with filters for 'Entity Type' (Package Type), 'Entity' (All Packages), and 'Record Status' (Active). Below this is a table of process parameters. Row 26 is highlighted with a red box. A yellow callout points to row 26 with the text 'New process parameter'.

#	Process Parameter	Permitted Values	Value	Status	Error Message
26	Auto-Short Close Open Material Requests on Planned Dates Change of Tasks & Discrepancies from the Planning Board Gantt?	Enter "0" for "Not Required", "1" for "Required"	1	Defined	
27	End all running clocks for login user inside/across package(s) in Mechanic Anywhere?	Enter "0" for "Inside Package", "1" for "Across Packages"	0	Defined	
28					

New process parameter

## WHAT'S NEW IN COMPONENT MAINTENANCE PLANNING?

### Retrieve Work Requested information in Route Unserviceable Components / Parts screen

Reference: AHBG-13650

#### Background

A part, if removed from an aircraft as 'Unserviceable' is retrieved in the **Route Unserviceable Components/Parts** screen. The Hangar manager then routes the part for internal repair (against a shop work order) or external repair (against a repair order). For deciding on this, he will require in-depth factual details that only the Maintenance planner can provide leading to efficient maintenance execution.

#### Change Details

As part of this enhancement, the contents of the **Workscoping Comments** field recorded in the **Edit Package Additional Information** page in the **Plan Aircraft Maintenance** activity against the **Component Removal/On Wing** tasks will be defaulted in the **Work Requested** field of the **Component Replacement** tab in the **Record AME Details** screen. This provides background information to the AME regarding the component removal/on-wing task leading to informed decision making. However, the system retrieves Work scoping Comments recorded in the **Edit Package Additional Information** page on launch of the **Record AME Details** screen based on the process parameter "Display Work scoping comments in Work requested field during Component Replacement?" under the entity type 'Package Type' and the entity 'All Packages' in the **Define Process Parameters** activity of **Common Master**. The following table illustrates the default behavior of the field depending on the process parameter value.

Process parameter value	Impact on default display of the Work Requested field
0 / Not Allowed	The field displays blank.
1 / Allowed for Job Type On-wing	<b>Workscoping Comments</b> from the <b>Edit Package Additional Information</b> page will be defaulted for tasks/discrepancies with Job Type as On-wing only,
2 / Allowed for Job Type Component Removal	<b>Workscoping Comments</b> from the <b>Edit Package Additional Information</b> page will be defaulted for tasks / discrepancies with Job Type Component Removal only,
3 / Allowed for Job Type On-wing / Component Removal	<b>Workscoping Comments</b> from the <b>Edit Package Additional Information</b> page will be defaulted for tasks / discrepancies with Job Type Component Removal or On-wing,

Further, the contents of the **Work Requested** field of the **Component Replacement** tab in turn are also defaulted in the **Route Unserviceable Components / Parts** to aid decisions for Shop Work Order or Repair Order generation.

Additionally, this enhancement introduces a new process parameter 'Print Work Requested in Removal Reason section?' defined under entity type 'Reports' and entity 'Part Tag Report' in the **Define Process Parameters** activity of **Common Master** that will decide upon the inclusion of the "Work Requested" details recorded against the CR # under the **Removal Reason** head in the **Part Tag report**.



Process parameter value	Impact in the Part Tag Report
1/ Yes	The <b>Work Requested</b> details are displayed in the <b>Removal Reason</b> section.
0 / No	The <b>Removal Reason</b> section of the report shows blank

Further, two display-only fields **Comp. Replacement #** (shows latest CR #) and **Comp. Replacement Date** (shows Removal Date & Time of latest CR #) added in **Unserviceable Components/Parts** multiline in the **Route Unserviceable Components / Parts** screen.

**Exhibit 1: The Set Process Parameters screen of Component Replacement tab in the Record AME Details screen**

The screenshot displays the 'Set Process Parameters' screen. At the top, there are tabs for 'Entity Details' and 'Process Parameter List'. The 'Process Parameter List' tab is active, showing a table of parameters. The table has columns for '#', 'Process Parameter', 'Permitted Values', 'Value', 'Status', and 'Error Message'. Row 14 is highlighted in red and has a yellow callout box pointing to it with the text 'New process parameter'.

#	Process Parameter	Permitted Values	Value	Status	Error Message
1	Allow generation of part tag before confirmation of component replacement?	Enter "0" for 'No', "1" for 'Yes'	1	Defined	
2	Allow issue of Serviceable parts having Over-Due / Retirement Tasks?	Enter "0" for 'Not Allowed', "1" for 'Allowed'	0	Defined	
3	Allow modification of authorized time sheets	Enter "0" for 'No', "1" for 'Yes'	0	Defined	
4	Allow reuse of Log Ref # across Aircrafts?	Enter "0" for 'No', "1" for 'Yes'	1	Defined	
5	Allow status change of discrepancies from more than one package?	Enter "0" for 'No', "1" for 'Yes'	1	Defined	
6	Allow status change of discrepancies which are already assigned to a package?	Enter "0" for 'No', "1" for 'Yes'	0	Defined	
7	Default Actual Hours as Task Est. Elapsed Time during Resource Actuals update?	Enter "0" for 'No', "1" for 'Yes'	0	Defined	
8	Default Assignment by	Enter "0" for 'Tasks', "1" for 'Skill', "2" for 'Work Area', "3" for 'Zone', "4" for 'ATA #'	0	Defined	
9	Default Context Date?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined	
10	Default Filter Criteria in the Task Details tab of Edit Package Additional Information	Enter "0" for 'Workscoping Items', "1" for 'Additional Items', "2" for 'Detailed Items'	2	Defined	
11	Default Home Base?	Enter "0" for 'Not Required', "1" for 'Aircraft Base', "2" for 'Employee Base'	0	Defined	
12	Default last worked Exe. Doc. for the login user in Work Reporting Hub?	Enter "0" for 'No', "1" for 'Yes'	0	Defined	
13	Default Mode on Page Launch for Work Reporting Hub?	Enter "0" for 'Create', "1" for 'Work'	1	Defined	
14	Display Work scoping comments in Work requested field?	Enter "0" for 'Not Allowed', "1" for 'Allowed for Job type- On wing', "2" for 'Allowed for	0	Defined	
15	Include alternate parts and stock statuses for display of Available Qty?	Enter "0" for 'No', "1" for 'Yes'	1	Defined	
16	Number of remaining days to be considered to mark an item as an		3	Defined	
17	Planning Horizon (Days).		150	Defined	
18	Re-Sequence Multiplication Factor	Enter a integer between 1 to 99999	5	Defined	
19	Restrict display of Package and Unprocessed Discrepancies in AME Tree based on	Enter "0" for 'Not Required', "1" for 'Required'	0	Defined	
20	Task status change on Material Issue confirmation?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined	
21	Validate Warehouse - User Mapping during creation of MR from Plan Material screen?	Enter "0" for 'Not Required', "1" for 'Required'	1	Defined	
22					

Exhibit 2: The Component Replacement tab in the Record AME Details screen

Open Items (138) Discrepancies (1) Work Information (0) **Component Replacement (0)** Material Request (0)

Search Options: ☒ Log Cards ☒ Minor ☒ Major Search by: --Search by-- Search For: Go

VP-002637-2017 (Removal Part Information -> 1)  
VP-002637-2017/1:1

**Execution Record Details**

Exe. Ref. # **Log card** VP-002637-2017 Status **In-Progress** HS ES **NR** Category **I-Repair** Ref. Time Zone **ET**

Log # Orig. Work Center **YUL-100-00** Maint. Event Package Desc.

**Discrepancy**

Log Item # - Tracking # - Seq # Record Status Discrepancy # Sign-off Status HS ES

VP-002637-2017/1 1 1 PendingDeferral VP-002637-2017/1 Not Required PE

**Component Replacement**

Source Status Component Replacement #

Replace

Removed Part # Removed Serial # Rem. Disposition / Codn. Reason # Removal Qty.

Installed Part # Installed Serial # Auto Issue A/C Level # A/C Position # Attachment Qty.

Object Type Record Mode Date & Time Confirmed Failure?

Employee # Removal Remarks Serial # Type Removed MSN #

00041383 Existing

Acceptance Ref. Generated Order # Generated Order Status Work Center # Repair Agency #

Work Requested

Certificate Type

Return Classification Return Warehouse # WH - Zone # Bin # Latest Return # / Status

Print Tag Update Re Create New Help on No

Edit Return Inquire Stock Balance Route Unserviceable Components / Parts View Maintenance Info. for Installed Part

The Work Requested field by default displays the Work Requested details from Edit Package Additional Information.

Exhibit 3: The Route Unserviceable Components / Parts screen

★ Route Unserviceable Components / Parts RamcoRole - RAMCO OU

Date Format mm/dd/yyyy

**Warehouse Details**

U/S Routing WH # ALL Zone # ALL Warehouse Description

**Search Criteria**

Part # Part Description Work Center #

SOS Disposition Display Options Object Type

Primary Model # Part Classification

Possession Status Ownership Receipt Date: From/To

Search

**Unserviceable Components / Parts**

#	Work Requested	Exch. Contract?	Receipt Date	Receipt #	SOS Disposition	Under Warranty?	Pend. Return Qty. - Core
1			3/9/2017	RP-000141-0016		No	
2			5/24/2017	GI-010952-2017		No	
3			5/24/2017	UPRCT-000001-2017		No	
4			5/24/2017	MRQ001820		No	
5			7/13/2015	AP000314115		No	
6			7/17/2015	SMR-008024-2016		No	
7			4/2017	MRQ001804		No	
8			7/17/2016	ROR-000278-2016		Not Evaluated	
9			7/17/2016	ROR-000278-2016		Not Evaluated	
10			8/12/2016	MIS-009026-2017		Not Evaluated	

**Cust. Order Details**

Customer PO # Repair Process Code Customer Priority

Evaluate / Get Contract

Internal Repair External Repair Move Parts

Create Repair Order View Pending Transfer Issues View Part- Serial #/ Lot # transaction history

The Work Requested column by default displays the Work Requested details from Record AME Details.

**Exhibit 4: The Set Process Parameters screen for Part Tag report**



The screenshot displays the 'Set Process Parameters' interface for the 'Part Tag Report'. The top section includes 'Entity Details' with 'Entity Type' set to 'Reports' and 'Record Status' set to 'Active'. The 'Entity' is 'Part Tag Report' and 'Process Parameters Defined?' is 'Yes'. Below this is the 'Process Parameter List' table.

#	Process Parameter	Permitted Values	Value	Status	Error Message
1	Print Work Requested in Removal Reason section?	Enter '0' for 'No', '1' for 'Yes'	1	Defined	
2					

A yellow callout box with the text 'New process parameter' points to the empty row 2 in the table.

At the bottom of the screen, there is a button labeled 'Set Process Parameters'.

Exhibit 5: The Part Tag report screen

 					<b>A 1 Parent Company Name</b>  64 Sardar Patel Road, Taramani Road, next to tidal park and opp, next to tidal park stop., Chennai tamil nadu, Tamil Nadu India 600028, India, 600 113	
<div style="display: flex; justify-content: space-around; font-size: 24px; font-weight: bold;"> <span style="color: red;">Unserviceable</span> <span style="color: blue;">Component</span> </div>					PART ID TAG ##	
					EVENT #	
<b>COMPONENT #</b> C005632-2017		<b>TSN / CSN</b> Not Avlb. / Not Avlb.		<b>TSO / CSO</b> Not Avlb. / Not Avlb.		<b>TSI / CSI</b> Not Avlb. / Not Avlb.
<b>PART #</b> CFM56-2-7200:35895	<b>SERIAL # / MFR. SERIAL</b> tt-001 / tt-001		<b>PART DESCRIPTION</b> CFM56-2C1 ENGINE		<b>OBJECT TYPE</b> Component	
<b>LOT # / MFR. LOT</b>	<b>QTY.</b> 1	<b>REF. DOC TYPE</b> A/C Maint. Exe. Ref #	<b>REF. DOC #</b> 789900228214	<b>TOP ASSLY. SWO #</b>	<b>CURRENT CONDITION</b> Unserviceable	
<b>REMOVAL DETAILS</b>					<b>REMOVAL DATE &amp; TIME</b> 4/3/2017 17:52:21	
<b>COMP. REPLACE #</b> REPL-010032-2017	<b>REMOVED BY</b> 00041383	<b>REMOVAL TYPE</b> Unscheduled	<b>REMOVAL CONDITION</b> Unserviceable		<b>STATION</b> YUL	
<b>AIRCRAFT #</b> 101	<b>A/C TOTAL FH / FC</b> 700.000 / 515.000	<b>NHA PART #</b>	<b>NHA SERIAL #</b>		<b>POSITION CODE</b> ENG-01	
<b>STOCK STATUS</b> Accepted	<b>SUPPLIER</b>	<b>CERTIFICATE #</b>	<b>WORK ORDER # / REPAIR ORDER #</b> EWO-001020-2017		<b>EXPIRY DATE</b>	
<b>REMOVAL REASON</b>  Reason for Removal Description: Unschedule Removal Remark :Removal of Engine Task Desc: Removal & Restoration of Engine Task # : 7200-0015434					<b>SIGNATURE &amp; LIC/APP. STAMP NO.</b>	
<div style="display: flex; justify-content: space-between;"> <div style="background-color: yellow; padding: 5px; border: 1px solid black;">           Removal Reason section displays the Work Requested details         </div> <div> <b>INSPECTION REMARKS</b> UNSCHEDULED-Removal of Engine         </div> </div>						
Generated On : 07/26/2017 11:04:42						

## WHAT'S NEW IN QUALITY AUDIT

### Ability to track the changes done to Action By Date in Quality Audit Report

Reference: AHBG-21973

#### Background

As part of recording **Quality Audit** findings, the auditors record Non-Conformities (NC) and recommend actions to be implemented on or before specific date called **Action By Date**. The auditors also have the ability to review audit reports and change the action to be executed in order to resolve NC # by **Action By Date**. In turn, the auditees have the ability to change **Action By Date** for the action against the NC #. Hence, a provision to view the history of changes made to **Action By Date** vis-à-vis an action is necessary for users to track and ensure the closure of NCR#.

#### Change Details

To enable users to view the history of changes in **Action By Date**, the following changes have been incorporated in the **View Non Conformance Resolution History** screen of **Quality Audit** include:

- The **NCR #** field which was hitherto a display field has now been converted into a drop-down list box. The drop-down list box lists all the all NCR # for Audit Report #. The user can select specific NCR # to record details of correction action.
- New display field **Action By Date** has been added in the **NC Resolution History** multiline to record the date by which the corrective action must be implemented on NCR #.
- The **Action Date** field display has been removed from the multiline.
- New display field **Modified Date & Time** has been added in the **NC Resolution History** multiline that displays the date on and time at **Action By Date** was updated for the action.
- Two display fields – **NCR #** and **NC Description** has been added in the **NC Resolution History** multiline to provide details of NCR being actioned.

**Exhibit 1: The View Non Conformance Resolution History screen**

#	NCR #	NC Description	Action	NC Status	NC User Status	Action By Date	Action By	Extension by (No. of Days)	Comments	Modified Date & Time
1	1	NS-01	Pending Action	Pending		12/Feb/2017	dsenechal	0		27/Mar/2017 10:47:07

## WHAT'S NEW IN ePUBS?

### Ability to generate Work Actuals Report in AME and SWO

Reference: AHFG-8427

#### Background

During maintenance execution, details of task sign-off, parts consumed, parts removed and installed and parameter reading etc. are recorded in the system by aircraft maintenance engineers. This information, if made available in the form of Work Actual Report could be used for enhancing internal quality and also for meeting regulatory requirement.

#### Change Details

Both, Aircraft Maintenance Execution and Shop Work Order have been enhanced to generate / view **Work Actuals** Report from various screens as illustrated by the following exhibits.

#### Exhibit 1: Generate report from the **View A/C Maint. Exe. Ref #** activity of **Flight Log**

**Select Execution Ref #**

Date Format: dd/mm/yyyy

**Search Criteria**

Aircraft Reg. #  Work Center #  Execution Ref. #

Log #  Journey Log #  Exec. Status  Exe. Ref.  Completed

Customer # / Name  Search On  Estimation Status  Exe. Ref.  Completed

Customer Order #  Addl. Search On  Date From / To

**Search Results**

#	Execution Ref. #	Package Description	Exe. Ref. Status	Estimation Status	Hold Status	Aircraft Reg. #	Aircraft Model #	Package Type
1	VP-000409-2017		Completed	Not Required		HXP16	S-70	Planned
2	VP-000374-2017	25H Lubrication	Completed	Not Required	On Hold	OH-HVJ	B412	Planned
3	VP-000128-2017	HPK 2017-01-27 HOUR (50H INSPECTIONS)	Completed	Not Required		se-hpk	B206	Planned
4	VP-000206-2017	HPK 2017-03-27 1500H, 600H and 12M	Completed	Not Required		SE-HPK	B206	Planned
5	VP-000323-2017	HPK 2017-06-01 Calendar (1M)-WO#12	Completed	Not Required		SE-HPK	B206	Planned
6	VP-000330-2017	HPK 2017-06-01 Hour (50H), WO #13	Completed	Not Required		SE-HPK	B206	Planned
7	VP-000405-2017	HPK 2017-11-24 Calendar (1M)-WO#21	Completed	Not Required		SE-HPK	B206	Planned
8	VP-000471-2018		Completed	Not Required		SE-HPK	B206	Planned
9	VP-000279-2017	Hangar 2017-05-11 PD100156	Completed	Not Required		SE-JPR	B429	Planned
10	LP-000218-2017	JPR 2017-10-30 14D Cleaning&Corrosion-	Completed	Not Required		SE-JPR	B429	Planned

Upload Documents View Associated Doc. Attachments Review Exceptions

**Generate Work Summary Report(s)** **View Job Log**

Generate report for offline view

Launch the View Job Log screen

**Exhibit 2: Generate Work Actuals report in the Review Work Execution page of Shop Work Order**

**Review Work Execution**

**Search Criteria**

Part # / Serial #  Work Center #  SWO #

Component #  Job Type  Exec. Status  Order  Completed

Customer # / Cust. Order #  Search On  Estimation Status  Order  Completed

Customer Name  Addl. Search On  Date: From / To  Planned Date

**Display Option**

☒ Top Assy. Work Orders ☐ All Work Orders

**Search Results**

1 - 10 / 28

#	SWO #	SWO Desc.	Component #	Primary W/C #	Part #	Mfr. Part #	Mfr. #	Serial #	Lot #	Quantity	Facility #	Facility Obj
1	SWO-000115-2017	Landing and search	ID-G-000936-2017	ARN ELECTRICAL	G6250-5			6940		1.00		
2	SWO-000116-2017	Landing and search	ID-G-000937-2017	ARN ELECTRICAL	G6250-5			68706		1.00		
3	SWO-000126-2017	VP-000097-2017		ARN SHEET METAL	BHP2611222				UN-G-011540-	1.00		
4	SWO-000162-2017	Repair	ID-G-001085-2017	ARN COMPONENT	350A37-			M1045		1.00		
5	SWO-000191-2017	Transport of 1-FREL		ARN BASE						1.00		
6	SWO-000195-2017	Make		ARN SHEET METAL	L53M11192				UN-G-012652-	1.00		
7	SWO-000197-2017	A-profile, RH, P/N		ARN SHEET METAL	L53M10173				UN-G-012718-	1.00		
8				ARN BASE	429-069-							
9			D-G-000491-2016	ARN PAINT	206-031-			BCN08239				
10			D-G-002142-2017	ARN COMPONENT	350A32-			M4416				

Review Part Readiness Review Work Hold Print Part Tag Manage Part Serial Mfr. Details

**Generate Work Summary Report(s)** **View Job Log**

**Generate report for offline view** **Launch View job Log screen**

**Exhibit 3: Search package with work actuals**

**Work Package Publisher**

**Search for Work Package**

Package Source  All Request By  A/C Model #  Package Type  All

Package Name  SWO-000447-2017 Package Description  Request From Date  Request To Date

Aircraft Reg #  Work Center #  Print Job Status  All

**Search**

**Work Package List**

Package Name	Package Type	Aircraft Reg#	Description	Print Job #	Request Date	Print Job Status	Requested By	With Actuals
SWO-000447-2017	Shop Work Order		Replace bearing on T/R Blade P/N-206-016-201-127 i.a.w. TB 206-94-151. Partnumber change after bearing is replaced to P/N-206-016-201-127M	6	2/12/2018 5:37:56 AM	Succeeded	RAMCOUSER	Yes
				5	2/9/2018 10:11:56 AM	Succeeded	RAMCOUSER	Yes
				4	2/8/2018 6:28:21 AM	Requested	RAMCOUSER	No
				3	1/18/2018 3:31:09 PM	Requested	RAMCOUSER	No
				2	1/18/2018 3:15:28 PM	Requested	RAMCOUSER	No
				1	1/18/2018 12:02:21 PM	Requested	RAMCOUSER	No

**Indicates whether report is with work actuals or not**

6 Print Jobs

**Exhibit 4: Include section in view package**

Work Package Publisher |

**View Package** Print Log Pinned Packages

Package Type: Shop Work Order      Package Name: SWO-000447-2017      Print Job #: 6

A/C Model#:      A/C Reg#:      Work Actuals: Yes

Part #: 206-016-201-127      Serial #: CS2124      Component #: ID-G-002390-2017

Work Center: ARN COMPONENT      Start Date: 12/07/2017      End Date: 12/13/2017

Package Description: Replace bearing on T/R Blade P/N:206-016-201-127 I.a.w. TB 206-94-151. Partnumber change after bearing is replaced to P/N:206-016-201-127M

Task Card Details

Search:

<input type="checkbox"/>	Tally#	Tracking#	Seq#	Task#	Description	Revision	ATA#	Source Doc Type
<input checked="" type="checkbox"/>	1			6-201-127	T/R BLADES REPAIR		64-10	Other

Showing 1 to 1 of 1

Include Section

☒ Cover sheet      ☐ Tally Sheet

☒ Task execution details

☒ Discrepancy details      ☒ Part removal/installation details      ☐ Material request details      ☒ Parameter reading details      ☒ Participants Summary details

☐ Attachment

Print Package View PDF

**Indicates section for Work Actuals report**

**Exhibit 5: The Job Log screen**

Work Package Publisher |

**Print Log**

Package Type: A/C Maint. Exe. Ref. #      Package Name: LP-000305-2018

A/C Model#: B429      A/C Reg#: HANGAR

Part #: NA      Serial #: NA      Component #: NA

Work Center: ARN LINE      Date: 02/09/2018      End Date: 02/09/2018

Package Description: Search Light Inspection

**Print Details**


#	Print Job #	Package PDF	Work Actuals	Request Date	Requested By	Print Job Status	Message	Print Location	Cancelled By
1		<a href="#">LP-000305-2018_1</a>	Yes	2/12/2018 12:01:57 PM	RAMCOUSER	Succeeded	Copy PDF to repository - Success.		

New Printer Location:

**Report generated in offline mode will be available for view**




## Exhibit 6: Work actuals report (AME Packages - Cover sheet)

	<b>Work Report</b>		24-Apr-2017	Page: 1 of 28
			VP-000206-2017	
<b>Work Summary</b>				
A/C Model	A/C Reg. #	A/C Serial #	A/C TT / TC	
B206	SE+HPK	1091	0.00 (Hrs.) / 0	
Customer PO #	Customer	Our Reference #	Work Center	
SE+HPK 2017-03-27	137000	CO-000346-2017	ARN BASE	
<b>Package Description</b>				
HPK 2017-03-27 1500H, 600H and 12M Inspection - WOR7				
<b>Work Report Content</b>				
Seq. #	Description	Pages		
1.	Work Summary			
2.	Task Details			
3.	Discrepancy Details			
4.	Part Removal / Installation Details			
5.	Parameter Reading Details			
6.	Summary of Participating Personnel			
7.	CRS - Certificate of Release to Service			
8.	Attached Documents			

Work Actuals report is printed with the following key information

- Aircraft work package summary details
- Work report content


## Exhibit 7: Work actuals report (Shop Packages - Cover sheet)

	<b>Work Report</b>		07-Dec-2017	Page: 1 of 3
			SWO-000447-2017	
<b>Work Summary</b>				
Component Name	Component Part #	Component Serial #	Qty	
ID-G-002390-2017	206-016-201-127	CS2124		
Component TSN	Component TSO	A/C Model	Subject	
			REPAIR	
Connected VP #	Customer	Customer Order #	Customer PO #	
SWO-000447-2017		CO-000982-2017	Rek 1086	
Work Center	Certificate Type	Certificate No		
ARN COMPONENT	EASA-FAA	DD1234		
Order description		Work Requested		
Replace bearing on T/R Blade P/N:206-016-201-127 I.a.w. TB 206-94-151. Partnumber change after bearing is replaced to P/N:206-016-201-127M		Replace bearing on T/R Blade P/N:206-016-201-127 I.a.w. TB 206-94-151. Partnumber change after bearing is replaced to P/N:206-016-201-127M		
<b>Work Report Content</b>				
Seq. #	Description	Pages		
1.	Work Summary			
2.	Task Details			
3.	Discrepancy Details			
4.	Part Removal / Installation Details			
5.	Parameter Reading Details			
6.	Summary of Participating Personnel			
7.	CRS - Certificate of Release to Service			
8.	Attached Documents			

Work Actuals report is printed with the following key information

- Shop work package summary details
- Work report content

## Exhibit 8: Task Card and Discrepancy Details

	<b>Work Report</b>	31-Aug-2017	Page: 2 of 3
		VP-000377-2017	

Task Details				
Seq. #	Task Details	Sign-Off Comments	Mechanic	Inspector / RII
261	Replace drive link assy P/N 412-010-405-111FM, S/N A-1798, due to overhaul. <b>NST-000215-2017</b> Replace drive link assy P/N 412-010-405-111FM, S/N A-1798, due to overhaul. - Replace drive link assy P/N 412-010-405-111FM, S/N A-1798, due to overhaul. -	Drive link assy P/N 412-010-405-111FM, S/N A-1798 removed and drive link assy P/N 412-010-405-111, S/N A-4442 installed IAW T.O. 1H-412-5002-5, par. 62-45, rev. 3 - 18 NOV 2009.	Signed off 09209 06-Dec-2017	Signed off 09209 06-Dec-2017

Task details with sign off comments and sign off details

## Exhibit 9: Work Actuals report (Discrepancy Details)

Discrepancy Details				
Seq. #	Discrepancy Details	Corrective Action	Mechanic	Inspector / RII
1	TRANSCIVER - RADIO ALTIMETER <b>34-42-33-000-001</b> AMM Rev. 36 Dt. 06-Apr-2017 Crack in PIC seat observed CDP-000243-2018	To be replaced	-	-
	Replace intermediate gearbox assy P/N 412-540-007-117, S/N A435, due to 2500 hrs inspection. CDP-000244-2018		Signed off 00041383 01-Feb-2018	Signed off 00041383 01-Feb-2018

Discrepancy details with corrective actions and sign off details

## Exhibit 10: Work Actuals report (Component Replacement Details)

Part Removal / Installation Details				
Seq. #	Removal Details	Installation Details	Mechanic	Inspector / RII
1	Replace drive link assy P/N 412-010-405-111FM, S/N A-1798, due to overhaul. <b>NST-000215-2017</b> - <b>PN:</b> 412-010-405-111FM <b>SN:</b> A-1798 DRIVE LINK NCR-000754-2017 UNSER	<b>PN:</b> 412-010-405-111 <b>SN:</b> A-4442 DRIVE LINK		

List of parts attached and removed

## Exhibit 10: Work Actuals report (Parameter Reading Details)

Parameter Reading Details				
Task#	Sub Task	Parameter	Value / Eval. Response	Perf. By
		Parameter Description	Remarks	
1-50C-2000-CMM-00005049 Repair	Task 2 Subtask 1 description	Val3	901	Van 12-Jan-2017
		Torque	Torque Check	
	Task 2 Subtask 2 description	Val4	712	Loreal 12-Jul-2017
		Wind	Wind Check	

Parameter reading details recorded against Tasks are listed here along with the person, who recorded the values

**Exhibit 11: Work Actuals report (Parameter Reading Details)**

Summary of Participating Personnel			
Seq. #	Name	ID	Skill
1	James	00001	Mechanic
2	Clarke	00002	Mechanic
3	Robin	00003	Inspector

List of personnel, who participated in executing the given package are listed here.

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